

Phase I Environmental Site Assessment

Location:

1777 East Henrietta Road
Henrietta, New York

Prepared for:

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LaBella Project No. 214142

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LaBella Associates, D.P.C. (LaBella) has been contracted by Buckingham Properties LLC to perform an All Appropriate Inquiry (AAI) Phase I Environmental Site Assessment (ESA) report at 1777 East Henrietta Road, Town of Henrietta, Monroe County, New York 14623, hereinafter referred to as the "Site".

The findings of this report are based upon a preliminary assessment of the condition of the Site within the Scope of Work and objective described below as of the date of our site observations and documentation review. This assessment was prepared according to the American Society for Testing and Materials (ASTM) Standard Practice E1527-05 to satisfy the due diligence requirements set for Buckingham Properties LLC. The information contained in this report is considered privileged and confidential and is intended solely for the use of Buckingham Properties LLC, as it applies to the Site.

1.0 EXECUTIVE SUMMARY

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527 for 1777 East Henrietta Road, Town of Henrietta, Monroe County, New York 14623, the Site. Any exceptions to, or deletions from, this practice are described in Section 2.5 of this report. Based on the results of this assessment, the following Recognized Environmental Conditions (RECs) have been identified associated with the Site at this time.

SECTION # 4.1, 5.1 & 5.4 – Impacts from Manufacturing and Industrial Waste water Treatment

Based on a review of previous environmental reports, historical site operations included electroplating and vapor degreasing operations utilizing chlorinated volatile organic compounds (CVOCs) and various heavy metals. Wastewater from the plating operations was reportedly conveyed to a wastewater treatment plant (WWTP) north of the Building 1. The MCEMC lists an area in the vicinity of the waste water treatment plant settling pond as the Town of Henrietta waste disposal site 027. Treated effluent was reportedly directed via underground clay piping to an onsite detention pond located on the northeast corner of the Site. The results of previous studies identified the presence of trichloroethene (TCE) and cis-1,2-dichloroethene (DCE) in Site groundwater proximate the former WWTP and the detention pond. The most recent sampling from 2013 indicated that concentrations of CVOCs in groundwater proximate the former WWTP have decreased versus historical high concentrations but remain above New York State Department of Environmental Conservation (NYSDEC) groundwater standards. Concentrations of CVOCs in groundwater proximate the detention pond remains elevated. The most recent report completed by Stantec in June 2013 concludes that concentrations diminish quickly down gradient of the detention pond.

Although the investigations completed by others in this portion of the Site have not been submitted to the NYSDEC for review or comment, it appears that an adequate amount of subsurface information has been gathered on this portion of the Site for reasonable environmental due diligence estimates and decisions to be made.

The documents reviewed as a part of the Scope of this Phase I ESA do not indicate that portions of the facility where plating, degreasing, chemical storage, and waste storage operations were performed have been investigated. Closed trench drains were observed at the time of the Site visit, and were likely associated with wastewater disposal for plating and degreasing operations. In addition an area of soil where industrial process waste was reportedly disposed of, was excavated from the southeast portion of the Site during construction work associated with I-390. This soil was reportedly relocated to the western

portions of the Site. The potential for CVOC and metals impacts to soil and groundwater could be present in these portions of the Site.

Other areas of the Site that do not appear to have been assessed include the vicinity of wastewater piping that ran from the plating and degreasing areas to the former WWTP and the west portion of the Site where soils potentially containing plating sludge residues were historically staged.

As such, additional investigation is warranted in these areas to determine the presence and extent of impacts that may be associated with the past plating, degreasing, chemical storage, waste storage, and solid waste disposal.

A Phase II ESA Scope of Work and cost estimate is currently being prepared for these portions of the Site, and will be delivered under a separate cover.

2.0 INTRODUCTION

2.1 Purpose

This investigation was requested to identify, to the extent feasible, RECs in connection with the Site, including the identification of conditions indicative of releases and threatened releases of hazardous substances on, or in the vicinity of the Site. The AAI Phase I ESA report was conducted in general conformance with the Scope and Limitations of ASTM Standard Practice E1527-05.

The term, Recognized Environmental Condition, is defined by ASTM as the presence or likely presence of any hazardous substances [as currently defined by the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) including pollutants and contaminants], petroleum or petroleum products [excluded from the definition of hazardous substance and controlled substances; or the presence of petroleum products as defined by the Resource Conservation and Recovery Act (RCRA), the Oil Pollution Act of 1990, and the Clean Water Act (CWA)] at the Site under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures at the Site, or into the ground, groundwater or surface water of the Site.

The term is not intended to include “de minimis” conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of the appropriate regulatory agencies. Conditions determined to be de minimis are not RECs.

The term “data gap” means lack or inability to obtain information required by the standards and practices as defined in ASTM Standard Practice E1527-05 despite good faith efforts by the Environmental Analyst.

The performance of ASTM Standard Practice E1527-05 is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs and the potential liability for contamination to be present in connection with the Site recognizing reasonable limits of time and cost. It is also intended to add protection from CERCLA liability for innocent landowner defense, bona fide prospective purchaser, contiguous property owners and grants who meet certain statutory requirements.

The objective of this AAI Phase I ESA was to determine, using our professional judgment, by means of the Scope of Work hereafter described.

1. A general description of the Site.
2. The current and historical usage of the Site and adjoining properties.
3. Whether RECs exist or have the potential to exist at the Site.
4. Whether site conditions suggest further evaluation based on the presence or probable presence of such RECs.
5. Provide information which may assist the client in evaluating the fair market value of the Site.

2.2 Subsurface Risks/Unanticipated Hazardous Materials

This work for this report has been performed in accordance with generally accepted environmental engineering practices for this region. The conclusion and recommendations of this report are based upon our opinion and judgment, and are dependent upon LaBella's knowledge, information supplied by the present owner and managers of the Site, and data and information solicited from governmental agencies. LaBella makes no other warranty or representation, either expressed or implied, nor is one intended to be included as part of its services, proposals, contracts, or reports.

In addition, LaBella cannot provide guarantees, certifications, or warranties that the property is or is not free of environmental impairment without a subsurface investigation involving drilling, vapor analysis, laboratory soil analysis, groundwater monitoring well installation, and laboratory groundwater analysis. Even with such a program, the data and samples from any given soil boring or monitoring well will indicate conditions that apply only at that particular location, and such conditions may not necessarily apply to the general Site as a whole.

2.3 Scope of Work

The major components of an AAI Phase I ESA report include a visual inspection of the Site and adjoining properties; interviews and review of documents from past and present owners, occupants, managers, representatives and neighbors to the extent necessary; interviews with tribal and local government agency representatives; review of tribal, local and state records relative to the Site; and a review of tribal, local, state and federal standard environmental record sources relative to the Site. The findings and conclusions presented in this report are based on information gathered and limitations set forth in this report.

The Scope of Work performed in this assessment is limited to the areas described as follows:

1. Interview with the Senior Managing Facilities, Mr. Tom Marlowe, to evaluate the Site for the potential for environmental contamination to be present at the Site. Mr. Marlowe has reportedly been associated with the Site for approximately 25 years.
2. Interviews with and/or record reviews of each of the following to obtain information directly regarding environmental concerns at or in the immediate vicinity of the Site, which is available directly by file or through general knowledge of the individual being interviewed. Information sources include:
 - a. United States Environmental Protection Agency (USEPA)
 - b. New York State Department of Environmental Conservation (NYSDEC), Region 8; Division of Solid and Hazardous Waste, Division of Water, Legal Division
 - c. Monroe County Environmental Management Council (MCEMC)
 - d. Town of Henrietta Fire Marshall/Chief, Code Enforcement Officer, Building Inspector, Assessor, Clerk, Historian
 - e. Monroe County Health Department (MCHD)

3. Review of the following federal, state, and local environmental records and databases to aid in the identification of conditions at or related to the Site and property, adjacent to or in the immediate vicinity of the Site, including:
 - a. USEPA National Priority List (NPL) – 1.0 mile
 - b. USEPA Delisted NPL – 0.5 mile
 - c. USEPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) and Archived (No Further Remedial Action Planned – NFRAP) CERCLIS Sites – 0.5 mile
 - d. USEPA Resource Conservation and Recovery Act (RCRA) Corrective Action Sites (CORRACTS) Treatment, Storage, and Disposal Facility Listing (TSD) – 1.0 mile
 - e. USEPA RCRA non-CORRACTS TSD – 0.5 mile
 - f. USEPA RCRA Large and Small Quantity Generator Listing – Site and adjoining properties
 - g. National Response Center Emergency Response and Notification System Listing (ERNS) – Site only
 - h. Federal, state, and local Institutional Controls/Engineering Controls and Land Use Restrictions - Site only
 - i. NYSDEC Registry of Inactive Hazardous Waste Disposal Sites (IHWDS) (state equivalent of NPL Sites) – 1.0 mile
 - j. NYSDEC Registry of Brownfield Cleanup Program Sites (BCP) and Voluntary Cleanup Program Sites (VCP) – 0.5 miles
 - k. NYSDEC Hazardous Substance Waste Disposal Site Inventory (state equivalent of CERCLIS Sites) – 0.5 mile
 - l. NYSDEC Part 360 Permitted Solid Waste Disposal Facilities – 0.5 mile
 - m. Local Inventory of Waste Disposal Sites – 0.5 mile
 - n. NYSDEC Listing of Registered Petroleum Bulk Storage Facilities (PBS), Chemical Bulk Storage Facilities (CBS) and Major Oil Storage Facilities (MOSF) – Site and adjoining properties
 - o. NYSDEC Listing of Active Spills and Leaking Storage Tanks – 0.5 miles
 - p. United States Geological Survey (USGS) Topographic Quadrangle Map Pittsford, New York
 - q. Generalized Groundwater Contour Map of Monroe County
 - r. United States Department of Agriculture (USDA) Monroe County Soil Survey obtained from the Natural Resource Conservation Service (NRCS) website
 - s. Property survey map
 - t. Previous Environmental Reports (Refer to Section 5.4)
 - u. Sanborn fire insurance maps
 - v. Aerial photographs of the area
 - w. Local plat maps
 - x. Local street directories

4. Site visit on January 20, 2014 by Ms. Danielle Kaveney of LaBella to photograph the Site and to visually identify areas of concern as defined in the agreement.
5. Completion of LaBella's AAI Phase I ESA Site Reconnaissance Report.

2.4 Significant Assumptions

As a result of the unavailability or lack of receipt of information the following assumptions were made in order to complete the Scope of Work in the time frame desired by Buckingham Properties.

- Groundwater flow direction in the vicinity of the Site was estimated based on review of area topographic maps and the Generalized Groundwater Contour Map of Monroe County. Determination of site-specific groundwater flow direction typically requires installing at least three groundwater monitoring wells, surveying the wells, and collecting groundwater elevation data (refer to Section 3.2).

As stated in the Agreement, Buckingham Properties acknowledges these assumptions and hereby agrees to release and hold LaBella harmless from any liability arising from or relating to any conclusions made or not made based on these assumptions.

2.5 Limitations and Exceptions of Assessment

ASTM Standard Practice E1527-05 expressly recognized the fact that no ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. LaBella's work is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with the Site, and its Scope of Work reflects a recognition of the reasonable limits of time and cost.

The work for this report has been performed in accordance with generally accepted environmental engineering practices for this region. The conclusion and recommendations of this report are based upon LaBella's opinion and judgment, and are necessarily dependent on information supplied by the individuals, entities, and agencies described in Section 2.3. LaBella makes no other warranty or representation, either expressed or implied, nor is one intended to be included as part of its services, proposals, contracts, or reports.

The actual presence of radon, lead-based paint, lead in drinking water, mold-related issues, electromagnetic frequencies, asbestos-containing building materials (ACBM), wetlands, cultural and historic resources, ecological resources, and endangered species are not included in the Scope of Work of this assessment. Additionally, regulatory compliance, industrial hygiene, health and safety, and indoor air quality are not included in the Scope of Work of this assessment.

It is further noted that due to post 9/11 terrorist related concerns, the NYSDEC has limited the availability of petroleum bulk storage, chemical bulk storage, and major oil storage facility details, and detailed spill information to the public. However, LaBella does have access to the addresses of current PBS, CBS, and MOSF locations accessed from the database from the NYSDEC website. In addition, this information can usually be acquired by a FOIL to the regulating agency to attempt to obtain this relevant and reasonably ascertainable environmental information for AAI Phase I ESA reports. If this information is not obtainable then it will be discussed as a data gap in Section 8.2.1.

The site visit was limited to visual observations of accessible areas only. No attempt was made to observe conditions in spaces not generally accessible, including but not limited to:

1. Crawlspace
2. Attics and roofs
3. Pipe chases or plenums
4. Spaces concealed by walls, floors, or ceilings
5. Materials concealed by paneling, carpeting, or wallpaper

The site visit was also limited to visual observations within the perimeter of the property and other accessible areas only. Visual observations were limited at the time of the site visit due to snow cover.

2.6 Special Terms and Conditions

Buckingham Properties and LaBella have agreed that the Scope of Work described in Section 2.3, and the Limitations and Exceptions described in Section 2.5 above, are acceptable to you and that to the fullest extent permitted by law, LaBella shall not be liable to you for limiting its investigation to the Scope of Work described. Based on the engagement and Scope of Work agreed upon, our evaluation of the Site is as presented herein.

2.7 User Reliance

Buckingham Properties may rely upon the findings of this report and should be aware of the agreed upon Scope of Work and the limitations associated with this Scope of Work.

3.0 SITE DESCRIPTION

The Site is known as Getinge USA Inc. and consists of approximately 34.90 acres of land situated west of East Henrietta Road and south of Jefferson Road. The Site is developed with two buildings (Building 1 & Building 2). Building 1 is utilized to manufacture medical equipment and was constructed in 1960. Building 2 consists of a training facility and was constructed in 1965. Adjacent properties include Monroe Muffler and Valvoline Oil Change to the north, Double Tree Hotel to the east beyond East Henrietta Road, undeveloped land to the west, and a church and offices to the south beyond Interstate 390.

3.1 Site Location and Legal Description

The Site is addressed as 1777 East Henrietta Road, Town of Henrietta, Monroe County, New York 14623 and is comprised of one tax parcel. Property boundaries for the purpose of this assessment were obtained from the Landmax Data Systems, Inc. website. A map depicting the tax parcel that comprises the Site is located in the Figures and Photographs Appendix of this report. This information is outlined in the table below.

	Tax Account Number	Property Use Code	Acreage
Tax Parcel	162.10-1-1	710 – Manufacturing	34.90

3.2 Site and Vicinity Characteristics

The Site is located within a suburban area. According to the 7.5-minute Pittsford, New York quadrangle USGS Map, the Site consists of slightly sloping land to the north. According to the USGS map, the nearest water body is Allen Creek located approximately 2,880 feet east of the Site. Based on

interpretation of the USGS topographic map and the Generalized Groundwater Contour Map of Monroe County, groundwater flow at the Site appears to be to the northeast. According to the USDA Natural Resource Conservation Service (NRCS) website, soils at the Site consist mainly of Hilton Loam soils. Soils of this type have slopes from 0 to 8 percent and are moderately well drained soils.

3.3 Present Ownership and Use

The Site is currently owned by Getinge USA Inc and has been utilized as a manufacturing operation since 1954.

3.4 Site Improvements

3.4.1 Structures and Improvements

The Site is improved with two structures as detailed in the table below.

	Structure #1	Structure #2
Square Footage	Unknown	Unknown
Basement Type	Full	Slab-on-grade
Number of Stories	One	One
Construction Date	1955*	1965**
Reported Current Use	Manufacturing and offices	Training and meeting area
Hereinafter referred to as	Building 1	Building 2

*Based on review of the street directories, Building 1 appears constructed in at least 1955.

**Based on review of previous environmental reports, Building 2 was built in 1965.

3.4.2 Roads

The Site is bordered by the following public thoroughfares.

Direction	Public Thoroughfare
North	Jefferson Road AKA Route 252
East	East Henrietta Road AKA Route 15A
South	Interstate 390

3.4.3 Current Site Utilities

Structure	Building 1	Building 2
Heating/Cooling Source	Natural gas	Natural gas
Potable Water Source	Municipal	Municipal
Sanitary Wastewater Disposal	Municipal	Municipal
Non-Sanitary Wastewater Disposal	None	None

3.4.4 Current Use of the Adjoining Properties

The Site is bordered by the following properties.

Direction	Occupant
North beyond Jefferson Road	Commercial Properties such as Monroe Muffler
East beyond East Henrietta Road	Hotel
South beyond Interstate 390	Offices
West	RPC Photonics

Property boundaries for the purpose of this assessment were determined by the property survey/tax map supplied by Mr. Tom Marlowe, obtained from the Landmax Data Systems, Inc. website, and were visually estimated at the time of the site visit.

4.0 USER PROVIDED INFORMATION

In accordance with the ASTM E1527-05, a “User” is defined as the party seeking to complete an environmental site assessment of the property. If the user is aware of any specialized knowledge or experience that is material to RECs in connection with the property, it is the user's responsibility to communicate any information based on such specialized knowledge or experience to the environmental professional. The User Questionnaire was completed by Mr. Larry Glazer of Buckingham Properties. A copy of the User Questionnaire is included in Appendix 7.

4.1 Title Records

According to the ASTM Standard Practice E1527-05, “the user should either engage a title company or title professional to undertake a review of reasonably ascertainable land title records and lien records for environmental liens or activity and use limitations currently recorded against or relating to the property or to negotiate such an engagement of a title company or title professional as an addition to the Scope of Work to be performed by the Environmental Professional.”

ASTM Standard Practice E1527-05 User Questionnaire Question	Reported by User
Are land title records available for review?	Land title records were not provided to LaBella for review.

4.2 Environmental Liens or Activity and Use Limitations

ASTM Standard Practice E1527-05 User Questionnaire Question	Reported by User
Is the User aware of any environmental cleanup liens against the <i>property</i> that are filed or recorded under federal law?	The User did not report environmental liens currently recorded against or relating to the property. In addition, the User did not report any activity or use limitations currently recorded against or relating to the property.
Is the User aware of any AULs, such as engineering controls, land use restriction, or institutional controls that are in place at the Site and/or have been filed or recorded in a registry under federal, state, or local law?	The User is not aware of any AULs, such as engineering controls, land use restriction, or institutional controls that are in place at the Site and/or have been filed or recorded in a registry under federal, state, or local law.

4.3 Specialized Knowledge

ASTM Standard Practice E1527-05 User Questionnaire Question	Reported by User
Does the <i>User</i> of this <i>ESA</i> have any specialized knowledge or experiences related to the <i>property</i> or nearby properties? For example, is the <i>User</i> involved in the same line of business as the current or former <i>occupants</i> of the <i>property</i> or and adjoining <i>property</i> so that the <i>User</i> would have specialized knowledge of the chemicals and processes used by this type of business?	The <i>User</i> is aware the company had plating lines in the building.

4.4 Commonly Known or Reasonably Ascertainable Information

ASTM Standard Practice E1527-05 User Questionnaire Question	Reported by User
Is the <i>User</i> aware of commonly known or reasonably ascertainable information about the <i>property</i> that would help to identify conditions indicative of releases or threatened releases including: past use of the <i>Site</i> , specific chemicals currently or previously utilized, spills or chemical releases, or environmental cleanups regarding the <i>Site</i> ?	The <i>User</i> is aware that the <i>Site</i> has a spill history.
Based on the <i>User's</i> knowledge and experiences related to the <i>property</i> , is the <i>User</i> of this <i>ESA</i> aware of <i>obvious</i> indicators that point to the presence or likely presence of contamination at the <i>property</i> ?	Based on the <i>User's</i> knowledge and experiences related to the <i>Site</i> , the <i>User</i> of this <i>ESA</i> is aware that the floor drains are capped with concrete.

4.5 Valuation Reduction for Environmental Issues

ASTM Standard Practice E1527-05 User Questionnaire Question	Reported by User
Does the purchase price being paid for this <i>property</i> reasonably reflect the fair market value of the <i>property</i> ?	The <i>User</i> did not report a lower purchase price.

4.6 Reason for Performing Phase I ESA

According to ASTM 1527-05, either the *User* shall make known to the environmental professional the reason why the *User* wants to have the Phase I *ESA* preformed or, if the *User* does not identify the purpose of the Phase I *ESA*, the environmental professional shall assume the purpose is to qualify for the Landowner Liability Protections under the Brownfields Amendments. The *User* reported the Phase I *ESA* was performed as part of a purchase.

5.0 STANDARD ENVIRONMENTAL RECORD SOURCES – FEDERAL AND STATE

Federal, state, and local environmental records were reviewed as a part of this assessment, in accordance with ASTM 1527-05 standard. Listings identified within the standard search radius outlined in ASTM 1527-05 are detailed in their respective sections below. Each listing identified was reviewed by LaBella and evaluated. Copies of the regulatory records documentation are included in Appendix 1.

5.1 Site Listings

Regulatory listings were identified associated with the Site. Copies of the listings are included in Appendix 1. The listings are summarized in the table below:

Listing	Identification #
Federal RCRA SQG	USEPA Handler ID: 110000328075
Local Inventory of Solid Waste Disposal	MCEMC Registry #: HR--027
State Listed Registered PBS Facility	NYSDEC PBS Registration #8-001856
State Listed Closed/Inactive/Active Spill Site	Spill #0702502 (closed), Spill #9313918 (closed), Spill #9005293 (closed)

RCRA GENERATOR

The Site is a listed RCRA Small Quantity Generator (SQG). The presence of the Site on the listing implies that the Site generates between 100 to 1,000 kilograms of hazardous waste per month. A letter from the NYSDEC dated May 10, 2011 was obtained associated with this listing. The letter was associated with a hazardous waste compliance inspection completed at the Site. Based on the contents of the letter, no violations were observed during the inspection. As such, there are no apparent RECs associated with the current RCRA SQG listing at this time.

MCEMC Registry # HR-027

The Site is listed as a confirmed hazardous waste disposal facility (HR-027) with the MCEMC. Based on the records obtained from the MCEMC, the listings are associated with a plating operation settling pond. A copy of the MCEMC records are included in Appendix 6.

The following table summarizes the NYSDEC PBS Facility Information listing associated with the Site. The Site was occupied by MDT Biologic Company.

Tank No.	Location	Capacity (gallons)	Product Stored	Tank Type	Secondary Containment	Date Installed	Status
1	Underground	10,000	#2 Fuel Oil	Steel/Carbon Steel/Iron	None	02/01/1955	Closed – Removed
2	Underground	10,000	#2 Fuel Oil	Steel/Carbon Steel/Iron	None	02/01/1955	Closed – Removed

Based on LaBella's review of the Environmental Assessment prepared by Environ Corporation dated April 1996 (refer to Section 5.4), two 10,000-gallon fuel oil underground storage tanks (USTs) located within a concrete vault were removed from the Site in 1988. The tanks were historically located proximate the south exterior of Building 2. Such are likely associated with the registered tanks identified above (Tank 001 and Tank 002). Although no confirmatory soil samples were collected at the time of the tank removal, the NYSDEC visited the Site in 1995 to confirm the status of the tanks and subsequently

issued a closure letter. Based on the vaulted nature of the 10,000-gallon fuel oil USTs, the environmental risk associated with the historical USTs is reduced. However, Buckingham Properties LLC should be aware of the potential for localized subsurface impact to remain proximate historical UST locations. As such, should subsurface impact be encountered in the future (i.e. during site redevelopment, utility work, etc.), such should be handled properly at that time.

NYSDEC Spill #0702502 (closed)

According to the closed NYSDEC Spill Report Form #0702502, dated March 29, 2007, last updated June 5, 2007, diesel was spilled at the Site and kitty litter was applied to help contain the Spill. The Spill was cleaned and the sorbent was disposed of in the dumpster. No further action was required by the Spills Unit and the Spill was closed on June 5, 2007.

NYSDEC Spill #9313918 (closed)

According to the closed NYSDEC Spill Report Form #9313918, dated February 25, 1994, last updated February 8, 2006, an unknown amount of 12% Ethylene Oxide was released. A Hazmat team responded and found that the chemical had dissipated. A no further action letter was sent December 8, 1995 and the Spill was closed February 8, 2006.

NYSDEC Spill #9005293 (closed)

According to the closed NYSDEC Spill Report Form #9005293, dated August 13, 1990, last updated February 6, 2006, a tractor trailer leaked diesel fuel onto the parking lot. Speedi-dri was applied to the Spill and the Spill was cleaned. The Spill was closed on February 6, 2006.

Based on the nature and closed status of the spill listings, there are no apparent RECs associated with the Spill listings at the Site at this time. Refer to Section 5.4 for additional information associated with MCEMC Registry # HR-027.

5.2 **Adjoining Property Listings**

Adjacent North – Monroe Muffler (965 Jefferson Road)

Regulatory listings were identified associated with the north adjacent property addressed as 965 Jefferson Road. Copies of the listings are included in Appendix 1. The property is occupied by Monroe Muffler. The apparent flow of groundwater at the property appears to be to the northeast and away from the Site. The listings are summarized in the table below.

Listing	Identification # (Facility Name: Address)
State Listed Registered PBS Facility	NYSDEC PBS Registration #8-600388
State Listed Closed/Inactive/Active Spill Site	Spill #8080714 (closed)

The following table summarizes the NYSDEC PBS Facility Information listing associated with the property.

Tank No.	Location	Capacity (gallons)	Product Stored	Tank Type	Secondary Containment	Date Installed	Status
1	Aboveground – in contact with impervious barrier	275	Waste Oil/ Used Oil	Steel/Carbon Steel/Iron	Double-walled (Underground)	Unknown	In Service

NYSDEC Spill #8080714 (closed)

According to the closed NYSDEC Spill Report Form #8080714, dated July 14, 1980, last updated February 1, 2006, a tractor leaked 25 gallons of diesel onto the front of the lot and into the ditch. About 100 feet of the ditch was blackened. According to an inspection, no oil or oil film was visible at that time except a spot on the pavement and some dead grass. The Spill was closed July 22, 1980. Based on the nature of the Spill listing, the closure by the NYSDEC, and the apparent flow of groundwater to the northeast and away from the Site, there are no apparent RECs associated with the Monroe Muffler property at this time.

Adjacent North – Valvoline Instant Oil Change (955 Jefferson Road)

One NYSDEC PBS listing (8-600345) was identified associated with the north adjacent property, addressed as 955 Jefferson Road. A copy of the listing is included in Appendix 1. The property is occupied by Valvoline Instant Oil Change. The apparent flow of groundwater at the property appears to be to the northeast and away from the Site. The listing is summarized in the table below.

Tank No.	Location	Capacity (gallons)	Product Stored	Tank Type	Secondary Containment	Date Installed	Status
1	Aboveground – No contact (on saddles, legs, rack, cradle, etc)	275	Motor Oil	Steel/Carbon Steel/Iron	Diking (Aboveground)	08/28/2007	In Service
2	Aboveground – No contact (on saddles, legs, rack, cradle, etc)	275	Motor Oil	Steel/Carbon Steel/Iron	Diking (Aboveground)	08/28/2007	In Service
3	Aboveground – No contact (on saddles, legs, rack, cradle, etc)	275	Motor Oil	Steel/Carbon Steel/Iron	Diking (Aboveground)	08/28/2007	In Service
4	Aboveground – No contact (on saddles, legs, rack, cradle, etc)	275	Lube Oil	Steel/Carbon Steel/Iron	Impervious Underlayment	08/28/2007	In Service
5	Aboveground – No contact (on saddles, legs, rack, cradle, etc)	500	Motor Oil	Steel/Carbon Steel/Iron	Diking (Aboveground)	10/01/1987	In Service
6	Aboveground – No contact (on saddles, legs, rack, cradle, etc)	500	Motor Oil	Steel/Carbon Steel/Iron	Diking (Aboveground)	10/01/1987	In Service
7	Aboveground – No contact (on saddles, legs, rack, cradle, etc)	500	Waste Oil/Used Oil	Steel/Carbon Steel/Iron	Diking (Aboveground)	10/01/1987	In Service

There are no apparent RECs associated with the north adjacent property at this time due to the aboveground location of the tanks and the lack of listings indicative of release.

Adjacent North – Former Harris Garden (999 Jefferson Road)

One NYSDEC inactive Spill listing (#1003672) was identified associated with the north adjacent property addressed as 999 Jefferson Road. A copy of the listing is included in Appendix 1. The property is currently unoccupied. The apparent flow of groundwater at the property appears to be to the northeast and away from the Site. According to the NYSDEC Spill Report Form dated July 2, 2010, last updated July 26, 2010, monitoring wells installed at the property and identified elevated levels of VOCs. Empire Geoservices prepared an investigation report at the property which showed minor exceedances of two chlorinated compounds in one water sample. No action was necessary at that time and the Spill was declared inactive on July 26, 2010. Based on the inactivation by the NYSDEC and the apparent flow of groundwater to the northeast and away from the Site, there are no apparent RECs associated with the north adjacent property at this time.

Adjacent East – 1111 Jefferson Road

One NYSDEC inactive Spill listing (#0470062) was identified associated with the east adjacent property addressed as 1111 Jefferson Road. A copy of the listing is included in Appendix 1. The property is occupied by Double Tree by Hilton Rochester. The apparent flow of groundwater at the property appears to be to the northeast and away from the Site. According to the NYSDEC Spill Report Form, dated March 9, 2004, last updated March 20, 2004, mixed chemicals began to fume in a pool. The local fire department and MCHD responded. The pool was drained and cleaned. No further action was needed and the Spill was inactive on May 9, 2004. Based on the nature and inactive status of the spill, there are no apparent RECs associated with the east adjacent property at this time.

5.3 ASTM Standard Regulatory Database Listings

5.3.1 USEPA National Priority List (last updated January 7, 2014)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name – Federal Identification # (Address)
0	1.0 mile	No listings	No listings

5.3.2 USEPA Delisted National Priority List (last updated November 12, 2013)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name – Federal Identification # (Address)
1	0.50 mile	1	Rochester Combined Support Shop & US Fiscal Office - #NY4210022279 (1500 Henrietta Road)

Detailed Summary

Reference Number	Approximate Distance from Site (feet) – Direction	Groundwater Flow – Towards/Away From the Site	REC (Yes/No)	Additional Information/Rationale
1	1,430 – Northeast	North – Away from the Site	No	The listing does not appear to represent a REC to the Site based on the apparent flow of groundwater to the north and away from the Site and the distance of this facility from the Site.

A copy of the listing is included in Appendix 1.

5.3.3 USEPA CERCLIS (last updated November 12, 2013)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name – Federal Identification # (Address)
0	0.50 mile	No listings	No listings

5.3.4 USEPA CERCLIS NFRAP (last updated November 12, 2013)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name – Federal Identification # (Address)
0	0.50 mile	No listings	No listings

5.3.5 USEPA RCRA CORRACTS (last updated December 11, 2013)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name – Federal Identification # (Address)
1	1.0 mile	1	UCB Manufacturing Inc – 110000328084 (755 Jefferson Road)

Detailed Summary

Reference Number	Approximate Distance from Site (feet) – Direction	Groundwater Flow – Towards/Away From the Site	REC (Yes/No)	Additional Information/Rationale
1	2,430 – West	North – Away from the Site	No	The listing does not appear to represent a REC to the Site based on the apparent flow of groundwater to the north and away from the Site and the distance of this facility from the Site.

A copy of the listing is included in Appendix 1.

5.3.6 RCRA Treatment, Storage, and Disposal Facilities – non-CORRACTS (last updated December 11, 2013)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name – Federal Identification # (Address)
0	0.50 mile	No listings	No listings

5.3.7 USEPA RCRA Generators (last updated December 11, 2013)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name – Federal Identification # - SQG/LQG (Address)
1	Site and adjoining properties only	1	Getinge Sourcing LLC - #1100000328075 – SQR (1777 East Henrietta Road)

Detailed Summary

Reference Number	Approximate Distance from Site (feet) – Direction	Groundwater Flow – Towards/Away From the Site	REC (Yes/No)	Additional Information/Rationale
1	Site	Northeast	No	Refer to Section 5.1.

A copy of the listing is included in Appendix 1.

5.3.8 National Response Center ERNS (last updated January 12, 2014)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name – Federal Identification # (Address)
0	Site only	No listing	No listings

5.3.9 Federal Listed Sites with Institutional and/or Engineering Controls (last updated January 25, 2007)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name – Federal Identification # (Address)
0	Site only	No listings	No listings

5.3.10 State Listed Facilities with Institutional and/or Engineering Controls (updated bi-weekly)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name – State Identification # (Address)
0	Site only	No listings	No listings

5.3.11 State Listed Inactive Hazardous Waste Disposal Facilities (updated bi-weekly)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name – State Identification # (Address)
2	1.0 mile	1	Roehlen Engraving – 828077 (701 Jefferson Road)
		2	United Cleaners – 828152 (2199 East Henrietta Road)

Detailed Summary

Reference Number	Approximate Distance from Site (feet) – Direction	Groundwater Flow – Towards/Away From the Site	REC (Yes/No)	Additional Information/ Rationale
1	3,200 – West	North – Away from the Site	No	The listing does not appear to represent a REC to the Site based on the apparent flow of groundwater to the north and away from the Site and the distance of this facility from the Site.
2	3,885 – South	Northeast – Away from the Site	No	The listing does not appear to represent a REC to the Site based on the apparent flow of groundwater to the northeast and away from the Site and the distance of this facility from the Site.

Copies of the listings are included in Appendix 1.

5.3.12 State Listed Voluntary Cleanup Program Facilities (updated bi-weekly)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name – Federal Identification # (Address)
1	0.50 mile	1	755 Jefferson Road – V00126 (755 Jefferson Road)
		2	GMC Management Property – V00230 (99 Ridgeland Road)

Detailed Summary

Reference Number	Approximate Distance from Site (feet) – Direction	Groundwater Flow – Towards/Away From the Site	REC (Yes/No)	Additional Information/ Rationale
1	1,690 – West	East – Towards the Site	No	The listing does not appear to represent a REC to the Site based on the distance of this facility from the Site.
2	2,520 – Northeast	Northeast – Away from the Site	No	The listing does not appear to represent a REC to the Site based on the apparent flow of groundwater to the northeast and away from the Site and the distance of this facility from the Site.

A copy of the listing is included in Appendix 1.

5.3.13 State Listed Brownfield Cleanup Program Facilities (updated bi-weekly)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name – Federal Identification # (Address)
1	0.50 mile	1	Former A B Dick Facility – C828148 (811 Jefferson Road)

Detailed Summary

Reference Number	Approximate Distance from Site (feet) – Direction	Groundwater Flow – Towards/Away From the Site	REC (Yes/No)	Additional Information/ Rationale
1	1,900 – West	Northeast – Away from the Site	No	This listing does not appear to represent a REC to the Site based on the apparent flow of groundwater to the northeast and away from the Site and the distance of this facility from the Site.

A copy of the listing is included in Appendix 1.

5.3.14 State Listed Hazardous Substance Disposal Facilities (last updated 1998)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name – Federal Identification # (Address)
0	0.50 mile	No listings	No listings

5.3.15 State Listed Part 360 Solid Waste Disposal Facilities (last updated February 2006)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name – Federal Identification #
0	0.50 mile	No listings	No listings

5.3.16 Local Inventory of Solid Waste Disposal Locations (provided by the MCEMC – January 27, 2014)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name – Monroe County Identification # (Address)
8	0.50 mile	1	HR-004 (south of Mushroom Boulevard, north of Jefferson Road, west of Clay Road)
		2	HR-005 (east of Interstate 390, north of Jefferson Road)
		3	HR-006 (south of Brighton Henrietta Townline Road, west of Clay Road)
		4	HR-026 (east of East Henrietta Road, south of Jarley Road)
		5	Getinge – HR-027 (1777 East Henrietta Road)
		6	HR-041 (701 Jefferson Road) (DEC Registry Site Code 828077)
		7	HR-048 (99 Ridgeland Road) (DEC Registry Site Code V00230)
		8	HR-049 (755 Jefferson Road) (DEC Registry Code V00126)

Detailed Summary

Reference Number	Approximate Distance from Site (feet) – Direction	Groundwater Flow – Towards/Away From the Site	REC (Yes/No)	Additional Information/ Rationale
1	2,320 – Northwest	East – Away from the Site	No	This listing does not appear to represent a REC to the Site based on the apparent flow of groundwater to the east and away from the Site and the distance of this facility from the Site.
2	2,650 – Northeast	Northeast – Away from the Site	No	This listing does not appear to represent a REC to the Site based on the apparent flow of groundwater to the northeast and away from the Site and the distance of this facility from the Site.
3	2,580 – North	Northeast – Away from the Site	No	This listing does not appear to represent a REC to the Site based on the apparent flow of groundwater to the northeast and away from the Site and the distance of this facility from the Site.
4	1,320 – Northeast	East – Away from the Site	No	This listing does not appear to represent a REC to the Site based on the apparent flow of groundwater to the east and away from the Site and the distance of this facility from the Site.
5	Site	East	Yes	Refer to Section 5.1 & 5.4
6	2,500 – West	East – Towards the Site	No	This listing does not appear to represent a REC to the Site based on the distance of this facility from the Site.
7	2,520 – Northeast	Northeast – Away from the Site	No	This listing does not appear to represent a REC to the Site based on the apparent flow of groundwater to the northeast and away from the Site and the distance of this facility from the Site.
8	1,690 – West	East – Towards the Site	No	This listing does not appear to represent a REC to the Site based on the distance of this facility from the Site.

Copies of the listings are included in Appendix 6.

5.3.17 NYSDEC Major Oil Storage Facilities (updated nightly)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name: Address – MOS Identification #
0	Site and adjoining properties only	No listings	No listings

5.3.18 NYSDEC Chemical Bulk Storage Facilities (updated nightly)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name: Address – CBS Identification #
0	Site and adjoining properties only	No listings	No listings

5.3.19 NYSDEC Petroleum Bulk Storage Facilities (updated nightly)

Listing Summary

Number of Listed Sites	Search Radius	Reference Number	Facility Name: Address – PBS Identification #
3	Site and adjoining properties only	1	Monroe Muffler/Brake #3: 965 Jefferson Road – #8-600288
		2	MDT Biologic Company: 1777 East Henrietta Road – 8-001856
		3	Valvoline Instant Oil Change 2020: 955 Jefferson Road – 8-600345

Detailed Listings

Reference Number	Distance from Site (feet) – Direction	Overburden Groundwater Flow Direction	REC (Yes/No)	Additional Information and/or Rationale
1	Adjoining north	Northeast – Away from the Site	No	Refer to Section 5.2
2	Site	Northeast	No	Refer to Section 5.1 & 5.4
3	Adjoining north	Northeast – Away from the Site	No	Refer to Section 5.2

Copies of the NYSDEC PBS Facility Information Reports are included in Appendix 1.

5.3.20 NYSDEC Active and Closed/Inactive Spill Listings (updated bi-weekly)

Listing Summary

Number of Listed Sites	Search Radius	Listing Number	Facility Name: Address – Spill # (status)
0 active	Active listings: 0.50 mile	1	Corner of 15A and Wild Briar – Spill #0485297 (inactive)

13 closed/inactive	Closed/inactive listings: Site and adjoining properties only	2	Getinge Site: 1777 East Henrietta Road – Spill #0702502 (closed), M D T Castle Company – Spill #9313918 (closed), Spill #9005293 (closed)
		3	Former Harris Garden: 955 Jefferson Road – Spill #1003672 (inactive)
		4	Jefferson Road and Route 15 – Spill #8906856 (closed), Spill #9204332 (closed), Spill #9870586 (inactive), Spill #9970416 (inactive), Spill #8300354 (inactive), Spill #8705509 (closed)
		5	Holidome: 1111 Jefferson Road – Spill #0470062 (inactive)
		6	Monroe Muffler: 965 Jefferson Road – Spill #8080714 (closed)

Detailed Summary

Reference Number	Approximate Distance from Site (feet) – Direction	Overburden Groundwater Flow Direction	REC (Yes/No)	Additional Information and/or Rationale
1	South*	Northeast – Away from the Site	No	This listing does not appear to represent a REC to the Site based on the apparent flow of groundwater to the northeast and away from the Site.
2	Site	Northeast	No	Refer to Section 5.1
3	Adjoining north	Northeast – Away from the Site	No	Refer to Section 5.2
4	Northeast*	Northeast – Away from the Site	No	These listings do not appear to represent RECs to the Site based on the apparent flow of groundwater to the northeast and away from the Site.
5	250 – East	Northeast – Away from the Site	No	Refer to Section 5.2
6	Adjoining north	Northeast – Away from the Site	No	Refer to Section 5.2

*Exact location of Spill unknown due to vague address on Spill Report form.

Copies of the listings are included in Appendix 1.

5.3.21 Assessment of the Potential for Soil Vapor Intrusion

Vapor intrusion is the entry of VOCs to indoor air from underlying contamination in soil and groundwater. Based on the results of this assessment, the Site has been utilized as a manufacturing facility for medical equipment since at least 1955 and reportedly used chlorinate solvents in the operations. As chlorinated solvents have been detected in groundwater samples collected from proximate Building 2 as recently as 2013, there is the potential for soil vapor intrusion within Building 2. Although the subsurface impact identified by the previous environmental investigations does not identify subsurface impact proximate Building 1, subsurface sampling conducted at the Site has been primarily limited to proximate the former wastewater treatment plant and detention pond located on the north portion of the Site. As such, there are no apparent soil vapor intrusion concerns associated with Building 1 at this time. However, should subsurface impact be identified proximate or beneath Building 1 in the future, the potential for soil vapor intrusion should be evaluated at that time.

5.4 Additional Environmental Record Sources

5.4.1 Review of Previous Environmental Reports

LaBella reviewed the following environmental reports. Copies of the reports are included in Appendix 8.

- Phase I Environmental Site Assessment report prepared by ENVIRON Corporation dated April 1996
- Phase II Environmental Site Assessment report prepared by ENVIRON Corporation dated April 1996
- Phase III Environmental Assessment report prepared by ENVIRON Corporation dated May 1996
- Detention Pond Investigation Report prepared by Stantec dated June 13, 2013

Phase I Environmental Site Assessment

Based on the contents of the report, various environmental issues were found at the Site including:

- A former wastewater treatment system from 1955 until at least 1960 was located at the west portion of the Site. The system may have discharged chlorinated solvents into the ground.
- Reportedly, a vapor degreaser was utilized at the Site that used 1,1,1-trichloroethane (TCA) as the degreasing agent. A trench was located in the room the degreaser was utilized and there is a potential for chlorinated solvents to have been released into the ground.
- An outdoor hazardous waste storage area that does not have any secondary containment is located on the north side of the facility.
- Reportedly, the facility disposed of plating/sludge at an area near Interstate 390. The soil removed for the highway was reportedly stockpiled in the west portion of the Site.
- Potential asbestos containing insulation was reported at the facility.
- Air permits need to be updated and/or modified.
- An employee exposure assessment needs to be conducted to ensure no chemicals were exposed to the employees.
- Two underground storage tanks were removed in 1988 without any soil samples. However, NYSDEC issued a closure letter for the tanks (refer to Section 5.1).

Phase II Environmental Site Assessment

According to the report, low levels of tetrachloroethene (PCE) was detected in a soil sample collected from proximate the former sand filter beds associated with the former wastewater treatment system. A groundwater collected from down gradient of the detention pond detected concentrations of trichloroethene (TCE) up to 1,500 micrograms per liter ($\mu\text{g/l}$) and cis-1, 2-dichloroethene (cis-1, 2-DCE) at 48 $\mu\text{g/l}$. Another groundwater sample collected from proximate the former wastewater treatment system filter beds contained TCE at concentrations up to 16 $\mu\text{g/l}$ and cis-1, 2-DCE at 63 $\mu\text{g/l}$.

Phase III Environmental Site Assessment

Based on the contents of the report, monitoring well MW01 was installed proximate the detention pond and was found to contain TCE at concentrations of up to 1,000 $\mu\text{g/l}$ and cis-1, 2-DCE at concentrations of up to 14 $\mu\text{g/l}$. MW07 was installed proximate the former wastewater treatment system sand filter beds and groundwater samples collected identified concentrations of TCE of 200 $\mu\text{g/l}$ and cis-1, 2-DCE of 560 $\mu\text{g/l}$. Chlorinated VOCs were not detected above NYSDEC standards in any other groundwater samples collected, suggesting groundwater flow is relatively slow proximate MW01 and MW07.

Detention Pond Investigation

Based on the contents of the report, treated effluent water from the wastewater treatment system was discharged to the detention pond which currently receives stormwater runoff. MW01 located proximate the detention pond reportedly contained TCE concentrations of 2,900 µg/l, cis-1, 2-DCE at 35.9 µg/l, and vinyl chloride at 2.2 µg/l. Based on the results from the report, Stantec concluded that the source of impacts found in MW01 may be localized due to the low level of groundwater impacts down gradient from MW01.

5.4.2 Other Records

The property survey map provided by Mr. Tom Marlowe was reviewed. According to the map, the Site contains 34.89 acres and two buildings. Building 1 contains offices and a warehouse. A detention pond located in the northeast portion of the Site. There are two accessible ways to the Site, from Jefferson Road or from East Henrietta Road. A copy of the property map is included in Appendix 1.

5.5 Historical Use Information on the Property and Adjoining Properties

LaBella attempted to review reasonably ascertainable and readily available standard sources of historical information as defined by the ASTM Standard Practice E1527-05 in order to identify all obvious usages of the Site back to the first developed use or 1940, whichever is earlier (i.e., the historical research objective according to ASTM). Uses of the properties adjoining the Site are identified in this report only to the extent that this information is revealed in the course of researching the Site itself and were determined at the discretion of the Environmental Analyst. As such, LaBella reviewed only as many of these sources as necessary to achieve the historical research objective. It should be noted that the lack of availability of reasonably ascertainable and readily available standard ASTM required sources have the potential to affect the findings of this assessment and can impact the ability of the Environmental Professional or Analyst to identify recognized environmental conditions and may result in a data failure (defined in Section 8.2.1 of this report). A data failure may represent a significant data gap. Data failures and data gaps are identified, defined, and evaluated for their significance in Section 8.2 of this report.

Standard historical sources LaBella attempted to review are outlined in the table below.

Section	Historical Source	Date(s)	Source/Comments
5.5.1	Sanborn Fire Insurance Maps	Not consulted	Sanborn map coverage does not appear to include the Site and surrounding area.
5.5.2	Aerial Photographs	1930, 1951, 1961, 1970, 1980, 1988, 1993, 1999, 2002, and 2009	Monroe County Maps and Google Earth
5.5.3	Property Tax Files	Not applicable	Town of Henrietta
5.5.4	Recorded Land Title Records	Not consulted	Not provided to LaBella for review.
5.5.5	Historical Plat Maps	1872, 1902, and 1924	Monroe County Public Library
5.5.6	Local Street Directories	1955, 1960, 1966, 1971, 1976-77, 1983, 1989, 1994, 1999, 2005, and 2011	Monroe County Public Library
5.5.7	Building Department Records	Not applicable	Town of Henrietta

5.5.1 Sanborn Fire Insurance Maps

Sanborn fire insurance maps do not appear to provide coverage to the Site and surrounding properties. As such, Sanborn fire insurance maps were not reviewed as part of this Phase I ESA. A copy of the “No Coverage” letter obtained from Environmental Data Resources Inc. is included in Appendix 3.

5.5.2 Aerial Photography

The table below outlines observations obtained from the review of aerial photographs.

Date	Observations
1930	The Site and adjacent properties appear to be utilized agriculturally. An apparent structure is located in the east portion of the Site near East Henrietta Road appears to be a residence.
1951	The Site appears to include an airport. Structures are located in the east portion of the Site and the north central portion. The adjacent properties appear undeveloped and utilized as agricultural land.
1961	Building 1 appears developed. The current detention pond is located in the northeast portion of the Site as well as another pond located south of Building 1. The northeast and southeast adjacent properties appear developed. The west and east adjacent properties appear undeveloped.
1970	Building 1 and Building 2 appear developed with an addition to the northeast side of Building 1. The current detention pond and pond south of Building 1 are apparent. The north and southeast adjacent properties appear developed. The east and west adjacent properties appear to be utilized agriculturally.
1980	Building 1 and Building 2 appear developed. Interstate 390 is constructed south of the Site. The north, west, and southeast adjacent properties appear developed.
1988, 1993, 1999, and 2009	The Site appears developed with additions to Building 2. The pond south of Building 1 is not evident. The adjacent properties appear developed with commercial facilities, except the west adjacent property which is undeveloped.

Copies of the aerial photographs are included in Appendix 3.

5.5.3 Property Tax files

Review of the Town of Henrietta’s assessment file for the Site indicated the Site is currently owned by Getinge/Castle Inc. In addition, limited assessment information was obtained from the Landmax Data Systems, Inc. website. This information is outlined in Sections 3.1 and 3.4.1. Copies of these records are included in Appendix 6.

5.5.4 Recorded Land Title Records

Title records were not provided for review and as such were not reviewed as part of this Phase I ESA report. Refer to Section 4.1 for additional details. The lack of land title records available for review has resulted in a data failure. Refer to Section 8.2.1 for additional information.

5.5.5 Historical Atlases

1872 Plat Map

Review of the map indicates the Site was part of a larger parcel owned by J. Harlet Suggett. An apparent residential dwelling is depicted in the east portion of the Site. Apparent residential structures are located north beyond what is now Jefferson Road and southwest beyond East Henrietta Road near Castle Road.

1902 Plat Map

The map indicates the Site was undeveloped and part of a larger parcel owned by Martha E. L. Apparent residential structures are located north beyond what is now Jefferson Road, southwest beyond East Henrietta Road near East Avenue (now Castle Road), and west near Clay and Jefferson Roads.

1924 Plat Map

The Site is part of a larger parcel, containing 107 acres of land, owned by Mrs. Mattie Brininstool. Four structures are located on the east portion of the Site near East Henrietta Road. Apparent residential dwellings are located north beyond what is now Jefferson Road, southwest beyond East Henrietta Road near Chase Road (now Castle Road), and west near Clay and Jefferson Roads.

Copies of the plat maps are included in Appendix 2.

5.5.6 Local Street Directories

Listings identified associated with the Site in the Polk Rochester Suburban street directories are detailed in the table below.

Year	Historic Use
1955, 1960, 1966, 1971, and 1976-77,	Wilmont Castle Company (physician, hospital, and dental supplies and equipment)
1983	Castle Division of Sybron research
1989, 1994, and 1999	MDT Biologic Co-Castle Brand research
2005 and 2011	Getinge USA INC (physicians and surgeons equipment)

Review of the street directories indicated that from the south adjacent property was utilized as an office space and nursery from at least 1966 to at least 1983. From at least 1989 until at least 2005, the south adjacent property was utilized as a church. The north adjacent property appears to be occupied by commercial businesses since at least 1955 such as GMC Sales and Services, Burch Tire Corporation and Auto Brake, Kwiki Automatic Car Wash, Monroe Muffler Brake, and Valvoline Instant Oil Change. The east adjacent property was listed as a hotel since 1989. Copies of the street directories are included in Appendix 2.

5.5.7 Building Department Records

A FOIL request was submitted to the Town of Henrietta Building Department on January 13, 2014. A response received from the Town of Henrietta on January 24, 2014.

The following permits were issued relating to building additions.

Permit Number	Date and Description
I-1221	11/25/1975: Addition of a masonry and steel structure.
I-1527	12-18-1978: Addition of a one story concrete structure.
I-1607	9-22-1980: Addition of a one story masonry structure.

Copies of the building permits are included in Appendix 6.

5.5.8 Summary of Historical Information

Based on the review of readily available historical information, it appears that the Site was developed in at least 1872 and a portion of a larger parcel. In 1924, several buildings appear to be located on the east portion of the Site. The Site was utilized agriculturally in 1930 and there was a house located in the east

portion of the Site. The Site appeared to be an airport in 1951 and Building 1 was constructed in at least 1955 as Wilmont Castle Company. The Site has been utilized as a manufacturing facility for medical equipment since at least 1955. Building 2 was constructed in at 1965 based on review of the previous environmental reports (refer to Section 5.4). The Site is currently known as Getinge USA Inc since at least 2005. The north adjacent properties appear developed in at least 1955 with commercial buildings. The east adjacent property was developed in at least 1988 as a hotel.

6.0 SITE RECONNAISSANCE

Conducted by: Ms. Danielle Kaveney, Environmental Engineer

Date of site visit: January 20, 2014

Interviewee: Mr. Tom Marlowe, Senior Managing Facilities

A copy of the interview record is included as Appendix 4. Representative photographs from the site visit are included in the Figures and Photographs section of this report. Site visit limitations are outlined in Section 2.5 above.

6.1 Interior Observations

6.1.1 Historical Usage

No apparent indicators (i.e., signs, equipment, etc.) were observed in the interior of the Site Buildings at the time of the site visit which would be indicative of historical usages of the Site.

6.1.2 Hazardous Substances and Petroleum Products in Connection with Identified Usages

Hazardous Substances

Apparent hazardous substances were observed in the interior of the Site Buildings at the time of the site visit. The type, approximate quantity, and storage conditions as observed at the time of the site visit are outlined in the table below.

Reported Product	Approximate Quantity and Container Type	Storage Condition	Leaking – Yes/No
Cleaning supplies	About six plastic containers	Pallet on concrete floor	No
Paints	About 25 metal containers	Metal shelves	No
Oakite 31	About four plastic containers	Pallet on concrete floor	No
Iron phosphate	Plastic drums	Pallets on concrete floor	No

Oakite 31 is used to clean and remove oxides from metals. The iron phosphate is used to clean the boilers.

Petroleum Products

Apparent petroleum products were observed at the time of the site visit. The type, approximate quantity, and storage conditions as observed at the time of the site visit are outlined in the table below.

Reported Product	Approximate Quantity and Container Type	Storage Condition	Leaking – Yes/No
Hydraulic Oil	Five 55-gallon drums	Plastic barrels on concrete floor	No

The hydraulic oil is used to lube the manufactured materials.

6.1.3 Storage Tanks

No apparent storage tanks were observed in the interior of the Site Buildings at the time of the site visit. In addition, no records were readily available or reasonably ascertainable under the Scope of Work of this assessment as of the date of this report submission that indicated storage tanks have been installed, removed, closed in place, or abandoned within the interior portions of the Site.

6.1.4 Odors

Noted	Additional Information
Yes	A strong odor of paints was observed in the painting section of Building 1. This is due to the amount of paint in the area. According to Mr. Marlowe, the painting material and machinery will be gone by the end of the month.

6.1.5 Pools of Liquid(s)

Observed	Additional Information
No	No apparent pools, sumps, or standing water containing liquids likely to be hazardous substances or petroleum products were observed in the interior of the Site Buildings at the time of the site visit.

6.1.6 Unidentified Substance Containers

No apparent unidentified substance containers were observed in the interior of the Site Buildings at the time of the site visit.

6.1.7 Heating and Cooling

Fuel Source	Additional Information
Natural Gas	The Site Building is heated with natural gas. Two 10,000-gallon fuel oil USTs were removed from the Site in 1988. Refer to Section 5.1 and 5.4 for additional information.

6.1.8 Stains and Corrosion

Observed	Additional Information
Yes	Minor stains were observed in the basement of Building 1. The stains are most likely associated with dirt. As such, the stains do not appear to be a REC at this time.

6.1.9 Drains and Sumps

Observed - Type	Additional Information
Yes – Drains and sumps	<p>Trench drains and floor drains are located in the Site Buildings. The trench drains are sealed; however, based on information obtained from the previous reports (refer the Section 5.4) the trench drains historically discharged to the detention pond. The floor drains reportedly discharge to the public sewer system. No leaks, stains, spills, or unusual odors were noted in the vicinity of the trench drains/floor drains at the time of the site visit. As such, there are no apparent RECs associated with the trench drains or floor drains at this time.</p> <p>Three sumps are located in Building 1. The sumps reportedly collect stormwater and condensate from the boilers. The sumps reportedly pump stormwater to the detention pond. As such, there are no apparent RECs associated with the sump at this time.</p>

6.1.10 Polychlorinated Bi-phenyls (PCBs) Containing Equipment

No apparent electrical or hydraulic equipment potentially containing PCBs were observed in the interior portion of the Site Buildings at the time of the site visit.

6.1.11 Elevators and Lifts

A hydraulic elevator with underground components is located in Building 1. According to Mr. Marlowe, the elevator was installed in 1964. The reservoir associated with the elevator appeared to be in good condition. No NYSDEC reported Spills were identified associated with the elevator. As such, there are no apparent RECs related to the elevator at the Site at this time.

6.2 Exterior Observations

6.2.1 Historical Usage

No apparent indicators (i.e., signs, equipment, etc.) were observed on the exterior portion of the Site at the time of the site visit which would indicate historical usages of the Site.

6.2.2 Hazardous Substances and Petroleum Products in Connection with Identified Usages

No apparent hazardous substances or petroleum products were observed on the exterior portion of the Site Buildings at the time of the site visit.

6.2.3 Storage Tanks

No apparent storage tanks were observed in the exterior of the Site at the time of the site visit. However, two 10,000-gallon fuel oil USTs were removed from the Site in 1988. Refer to Section 5.1 and 5.4 for additional information.

6.2.4 Odors

Noted	Additional Information
No	No apparent strong, pungent, or noxious odors were noted on the exterior portion of the Site at the time of the site visit.

6.2.5 Pools of Liquid(s)

Observed	Additional Information
No	No apparent pools, sumps, or standing water containing liquids likely to be hazardous substances or petroleum products were noted on the exterior portion of the Site at the time of the site visit.

6.2.6 Unidentified Substance Containers

No apparent unidentified substance containers were observed on the exterior portion of the Site at the time of the site visit.

6.2.7 Pits, Ponds, or Lagoons

Observed on the Site – Type	Additional Information
Yes – Detention Pond	A detention pond is located on the northeast portion of the Site. The detention pond acquires stormwater from the Site.

6.2.8 Stained Soil or Pavement

Observed on the Site - Type	Additional Information
No	No apparent stained soils or pavement were observed at the Site at the time of the site visit. As such, there are no apparent RECs related to stained soils or pavement at the Site at this time.

6.2.9 Stressed Vegetation

Observed on the Site	Additional Information
No	No apparent stressed vegetation was observed at the time of the site visit. As such, there are no apparent RECs related to stressed vegetation at the Site at this time.

6.2.10 Solid Waste

Observed on the Site	Additional Information
Yes	Approximately five dumpsters are located throughout the Site. A 40 yard trash compactor is located in Building 1. A locked off section of Building 1 contains hazardous material which is picked up by Clean Harbor. No stains, odors, or leaks were observed at the dumpsters or hazardous area at the time of the site visit.

6.2.11 Wastewater

Observed on the Site	Additional Information
Yes	Stormwater drains are located at various areas in the parking lot of the Site. The drains reportedly discharge to the public system. As such, wastewater does not appear to be a REC to the Site at this time.

6.2.12 Wells

Observed on the Site - Type	Additional Information
No	One groundwater monitoring well (MW03) was observed located north of Building 1. Such appears to be associated with groundwater monitoring summarized in Section 5.4.

6.2.13 Septic Systems

Observed on the Site	Additional Information
No	No apparent indications of on-Site septic systems or cesspools were observed on the Site at the time of the site visit. As such, there are no apparent RECs related to septic systems at the Site at this time.

6.2.14 Polychlorinated Bi-phenyls (PCBs) Containing Equipment

Equipment potentially containing PCBs was observed on the exterior portion of the Site at the time of the site visit. The equipment is detailed in the table below.

Type	Quantity	Owner	Location	Leaking
Pad mounted transformer	1	Rochester Gas & Electric	South side of Building 1	No

The pad mounted transformer did not appear to be leaking at the time of the site visit. Based on the condition of the transformer, there are no apparent RECs related to the presence of the transformer on the Site at this time.

7.0 INTERVIEWS

7.1 Facility Manager

Mr. Tom Marlowe, Senior Facilities Manager, was interviewed as part of this assessment. According to information obtained through the interview, the Site no longer uses TCE for plating or TCA as a degreasing agent. The only hazardous materials at the Site are iron phosphate and hydraulic oil. There is a paint booth located in Building 1 which is reportedly being removed from the facility within the next month. All paint operations and machinery will be removed. Mr. Marlowe reported that the air emissions have not changed from the previous Environmental Site Assessments and they need to be modified. The Site formerly had a wastewater treatment plant from 1955 until 1958. Monitoring wells were installed throughout the Site in 2013; however, no remediation has been established since such little contamination was found. According to Mr. Marlowe, when the floors are cleaned, the wastewater is shipped offsite in plastic containers. The notes from the interview are included in Appendix 5.

7.2 Local Government Officials

A FOIL request was submitted to the Town of Henrietta on January 13, 2014 requesting copies of fire marshal, assessment, environmental, and building department records on file for the Site.

Department of Assessment and Taxation

Information obtained from the review of the Town of Henrietta's files is outlined in the table below.

Category	Comment
Address	1777 East Henrietta Road
Tax identification number	162.10-1-1
Acreage	34.90
Zoning code	Unknown
Owner	Getinge/Castle Inc.

Records obtained from the Town of Henrietta Department of Assessment and Taxation are outlined in Section 5.3.3.

Fire Marshal

Fire records related to the removal of two 10,000 gallon UST dated April 25, 1988 are on file for the Site. Refer to Section 5.1 and 5.4 for additional information. Copies of records obtained from the Town of Henrietta are included in Appendix 6.

7.3 Tribal Records

There do not appear to be any Native American Sovereign Territories in Monroe County. In accordance with ASTM Standard Practice E1527-05, tribal records will only be reviewed if the subject Site falls on or within one mile of Native American Sovereign Territories. Therefore, tribal government representatives were not contacted as part of this AAI Phase I ESA report.

7.4 New York State Department of Environmental Conservation

A FOIL request was submitted to the NYSDEC on January 13, 2014. A response was received on February 4, 2014. According to the NYSDEC, environmental permits and PBS records are on file for the Site. The PBS records regard the two underground storage tanks that were located at the Site. As of the

date of this report, the environmental permits were not reviewed. A copy of the FOIL request and response is included in Appendix 6.

7.5 Monroe County Health Department

A FOIL request was submitted to the MCHD and the MCEMC on January 13, 2014. A response was received on January 27, 2014. According to MCEMC, there are eight waste disposal sites within a half mile radius of the Site (refer to Sections 5.1 and 5.3.16). In addition, records for Spill 0702502 and Spill 9313918 were reviewed describing the cleanup process at the Site. Copies of the FOIL request and response are included in Appendix 6.

8.0 FINDINGS, OPINIONS AND CONCLUSIONS

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527 for 1777 East Henrietta Road, Town of Henrietta, Monroe County, New York 14623, the Site.

8.1 Findings

Any exceptions to, or deletions from, this practice are described in Section 2.5 of this report. Based on the results of this assessment, the following RECs have been identified associated with the Site at this time.

SECTION # 4.1, 5.1 & 5.4 – Impacts from Manufacturing and Industrial Waste water Treatment

Based on a review of previous environmental reports, historical site operations included electroplating and vapor degreasing operations utilizing chlorinated volatile organic compounds (CVOCs) and various heavy metals. Wastewater from the plating operations was reportedly conveyed to a wastewater treatment plant (WWTP) north of the Building 1. The MCEMC lists an area in the vicinity of the waste water treatment plant settling pond as the Town of Henrietta waste disposal site 027. Treated effluent was reportedly directed via underground clay piping to an onsite detention pond located on the northeast corner of the Site. The results of previous studies identified the presence of trichloroethene (TCE) and cis-1,2-dichloroethene (DCE) in Site groundwater proximate the former WWTP and the detention pond. The most recent sampling from 2013 indicated that concentrations of CVOCs in groundwater proximate the former WWTP have decreased versus historical high concentrations but remain above New York State Department of Environmental Conservation (NYSDEC) groundwater standards. Concentrations of CVOCs in groundwater proximate the detention pond remains elevated. The most recent report completed by Stantec in June 2013 concludes that concentrations diminish quickly down gradient of the detention pond.

Although the investigations completed by others in this portion of the Site have not been submitted to the NYSDEC for review or comment, it appears that an adequate amount of subsurface information has been gathered on this portion of the Site for reasonable environmental due diligence estimates and decisions to be made.

The documents reviewed as a part of the Scope of this Phase I ESA do not indicate that portions of the facility where plating, degreasing, chemical storage, and waste storage operations were performed have been investigated. Closed trench drains were observed at the time of the Site visit, and were likely associated with wastewater disposal for plating and degreasing operations. In addition an area of soil where industrial process waste was reportedly disposed of, was excavated from the southeast portion of the Site during construction work associated with I-390. This soil was reportedly relocated to the western

portions of the Site. The potential for CVOC and metals impacts to soil and groundwater could be present in these portions of the Site.

Other areas of the Site that do not appear to have been assessed include the vicinity of wastewater piping that ran from the plating and degreasing areas to the former WWTP and the west portion of the Site where soils potentially containing plating sludge residues were historically staged.

As such, additional investigation is warranted in these areas to determine the presence and extent of impacts that may be associated with the past plating, degreasing, chemical storage, waste storage, and solid waste disposal.

A Phase II ESA Scope of Work and cost estimate is currently being prepared for these portions of the Site, and will be delivered under a separate cover.

8.1.1 Additional Findings

Based on the results of this assessment, apparent Historic Recognized Environmental Conditions or de minimis conditions have been identified associated with the Site at this time.

SECTION # 5.1, 5.4, & 7.4 – Historical 10,000 Gallon #2 Fuel Oil Underground Storage Tank

Based on review of the Environmental Assessment prepared by Environ Corporation dated April 1996 (refer to Section 5.4), two 10,000-gallon fuel oil USTs located within a concrete vault were removed from the Site in 1988. The tanks were historically located proximate the south exterior of Building 2. Although no confirmatory soil samples were collected at the time of the tank removal, the NYSDEC visited the Site in 1995 to confirm the status of the tanks and subsequently issued a closure letter. Based on the vaulted nature of the 10,000-gallon fuel oil USTs, the environmental risk associated with the historical USTs is reduced. However, Buckingham Properties LLC should be aware of the potential for localized subsurface impact to remain proximate historical UST locations. As such, should subsurface impact be encountered in the future (i.e. during site redevelopment, utility work, etc.), such should be handled properly at that time.

8.2 Data Failures and Data Gaps

8.2.1 Data Failures

ASTM 1527-05 defines a data failure as a failure to achieve the historical research objectives of AAI even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. Specifically, the historical research objectives include identifying all obvious uses of the Site from the present, back to the Site's first developed use, or back to 1940, whichever is earlier.

A data failure was encountered within the scope of this assessment as the use first developed use of the Site was not determined. However, as the Site appears to have been utilized residually in at least 1872, it is unlikely that use of the Site prior to 1872 would be indicative of environmental concern. As such, this data failure does not appear significant.

8.2.2 Data Gaps

ASTM 1527-05 defines a data gap as a lack of or an inability to obtain information required by this practice despite *good faith* efforts by the *environmental professional* to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to site reconnaissance, interviews, data failure, or lack of a User Questionnaire.

Data gaps were encountered within the Scope of Work of this assessment. The first data gap includes the historical data failure discussed above. This data gap does not appear significant. The second data gap is associated with the limited visual inspection of the Site grounds due to snow cover. This data gap does not appear to be significant based on the review of available historical information and interviews.

8.3 Opinion of Findings

Based on the findings of this assessment, further investigation appears warranted at this time.

9.0 DEVIATIONS

No deviations were made to the report, other than the Limitations and Exceptions as stated in Section 2.5.

10.0 ADDITIONAL SERVICES

No additional services were provided or agreed upon as part of this assessment.

11.0 REFERENCES

We declare that, to our knowledge and belief, we meet the definition of Environmental Professional as defined in ASTM Standard Practice E1527-05. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting at the subject property.

We have developed and performed the Scope of Work for this assessment in conformance with the standards, practices, and limitations set forth in ASTM Standard Practice E1527-05.

A copy of all information collected during this assessment including photographs, maps, notes, and other material will be kept on file at the offices of LaBella. This information is available at your request.

12.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

We declare that, to our knowledge and belief, we meet the definition of Environmental Professional as defined in ASTM Standard Practice E1527-05. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting at the subject property.

We have developed and performed the Scope of Work for this assessment in conformance with the standards, practices, and limitations set forth in ASTM Standard Practice E1527-05.



Adam Zebrowski
Phase I Program Manager
Environmental Professional

The following representatives of LaBella Associates, D.P.C. assisted in the completion of this report:



Danielle Kaveney
Environmental Engineer

AKZ/DJK/nz

13.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Gregory Senecal, CHMM | Director, Environmental Services (Environmental Professional)

As Director of Environmental Services, Greg is responsible for the direction of all environmental investigation related projects undertaken by the firm. Greg has more than 20 years experience scoping, scheduling, and reviewing Phase I Environmental Site Assessments, Phase II Environmental Site Assessments, and remedial efforts undertaken by the firm.

Greg is a Certified Hazardous Materials Manager and has extensive experience in the field of Environmental Management relating to Phase I and Phase II Environmental Site Assessments, remediation, and environmental compliance evaluations. Mr. Senecal has conducted or supervised over 1,500 Phase I Environmental Site Assessments and over 600 Phase II Environmental Site Assessments during his time with LaBella.

PHASE I ESA TEAM

Adam Zebrowski | Phase I ESA Program Manager (Environmental Professional)

Adam is the Phase I ESA Program Manager for LaBella Associates responsible for the coordination and successful completion of Phase I Environmental Site Assessments. Working with financial institutions, attorneys and private developers, Adam provides efficient analysis and completion of environmental reports required for property transactions. The site assessments include evaluation of environmental liability associated with properties such as warehouses, gas stations, auto repair facilities, manufacturing facilities, farms, commercial properties, and residential homes.

In addition, Adam has experience managing Phase II ESAs and other projects including: remediation, underground storage tank (UST) removal, vapor intrusion, geophysical surveys, and tank tightness testing. He is very familiar with regulatory criteria/compliance for projects within several states.

Emily Gillen | Environmental Analyst (Environmental Professional)

Emily is an Environmental Analyst with six years of experience conducting Phase I and Phase II Environmental Site Assessments and remedial projects. Current work includes soil and groundwater sampling, soil vapor analysis, petroleum storage tank removals, and review and evaluation of analytical groundwater monitoring data. From these experiences, she commands a solid understanding of both state and federal regulations.

Chris Kibler | Environmental Analyst (Environmental Professional)

Chris is an Environmental Analyst responsible for the coordination and successful completion of Phase I and II Environmental Site Assessments (ESAs). Working with financial institutions, attorneys, private developers and municipalities, he conducts ESAs in support of real estate transactions and brownfield redevelopment initiatives. Mr. Kibler's experience includes historical and regulatory records review; field sampling and data collection using a variety of techniques and equipment; the review and evaluation of field and laboratory analytical data; and the preparation of technical reports defining potential environmental liabilities and, if warranted, remedial options.

Michael Winderl, Jr. | Environmental Analyst

Michael is an Environmental Analyst responsible for preparing Phase I Environmental Site Assessments. His duties include regulatory records searches, site visits, interviews with property owners and municipal entities, and historical research for assessments completed in New York State.

Danielle Kaveney, EIT | Environmental Engineer

Danielle is an Environmental Engineer responsible for preparing Phase I Environmental Site Assessments. Working with financial institutions, attorneys and private developers, Danielle provides efficient analysis and completion of environmental reports required for property transactions.

Ben Stracuzzi | Environmental Analyst

Ben is an Environmental Analyst responsible for the coordination and successful completion of Phase I Environmental Site Assessments. Working with financial institutions, attorneys and private developers, Ben conducts regulatory records searches, site visits, interviews with property owners and municipal entities, and historical research for assessments completed in New York State.

Gabrielle Rinaldi | Environmental Analyst

Gabrielle is an Environmental Analyst and is responsible for the preparation of Phase I Environmental Site Assessments. The site assessments include evaluation of environmental liability associated with properties, and Gabrielle provides efficient analysis and completion of environmental reports for financial institutions, attorneys and private developers.

Andrew T. Benkelman | Environmental Engineer

Andy is an Environmental Engineer with over four years of experience performing Phase I and II Environmental Site Assessments, Remedial Investigations, Remedial Alternatives Analyses, remedial design and remedial construction oversight. His experience includes the planning and execution of field data collection programs, data management and evaluation, and technical report preparation.

PHASE II ESA TEAM

Dennis Porter, CHMM | Phase II ESA Program Manager (Environmental Professional)

Dennis is the Phase II Environmental Site Assessment and Remediation Program Manager and is a Certified Hazardous Materials Manager. He has managed numerous Phase I and II Environmental Site Assessments, Remedial Investigations, Feasibility Studies, industrial hygiene studies, project monitoring and asbestos sampling surveys. Mr. Porter also has significant experience in Brownfield Redevelopment and completed numerous Site Redevelopment Projects under the NYSDEC's Brownfield Cleanup Program.

Robert Napieralski, CPG | Western NY Regional Manager (Environmental Professional)

Rob has more than 22 years of professional consulting experience for public and private sector clients involving a wide range of environmental, infrastructure and transportation projects. His background includes extensive experience with: environmental due diligence assessments, brownfield investigation, remediation and redevelopment, regulatory compliance and permitting, solid waste management facility permitting and monitoring, municipal infrastructure planning, design and construction, SEQRA/NEPA compliance and documentation, and Locally Administered, federally funded transportation projects. Responsibilities include project management, business development and client management.

Daniel Noll, PE | Remedial Design Engineer (Environmental Professional)

With more than 14 years of environmental engineering experience, Dan has served a variety of clients including developers, financial institutions, industrial clients, and municipalities. Dan has managed numerous Phase II Environmental Site Assessments and remediation projects such as groundwater monitoring programs, soil vapor investigations, test pit investigations, geo-probe investigations, underground storage tank removals, soil removals, bio-cell remediations, and in-situ groundwater remediation. Additionally, Dan has experience with the design and installation oversight of mitigation systems.

Dan Riker, PG | Sr. Hydrogeologist (Environmental Professional)

Dan is a Sr. Hydrogeologist and Project Manager with more than 18 years of experience conducting preliminary site assessments, Phase I and II Environmental Site Assessments, treatment technology assessments, site characterization, remedial investigations, remedial design, and brownfield cleanup projects. Responsibilities also include coordination with State and Federal regulatory agencies as well as subconsultants.

David Engert, CHMM | Sr. Environmental Geologist (Environmental Professional)

Dave has more than 14 years of experience as a Geologist and Project Manager. Dave has managed numerous Phase I and Phase II Environmental Site Assessments, soil and groundwater remediation projects, groundwater monitoring programs and vapor intrusion investigations for both public and private sector clients. Additionally, Dave has managed Brownfield projects through the New York State Brownfield Cleanup Program.

Jason Jaskowiak, EIT | Environmental Engineer (Environmental Professional)

Jason is an Environmental Engineer with five years of environmental consulting experience. Project experience includes: waterworks business operations plan development, drinking water modeling, traffic control plans, transportation analysis, sanitary sewer evaluation studies, sampling plans, stormwater illicit discharge survey's, GIS data collection and editing, waste water analysis (TSS, VSS, BOD, pH, TDS, alkalinity), stormwater modeling and design, septic design, permitting, Phase I research, Grant applications, site exploration supervision and soil sampling data analysis.

Kyle Miller | Sr. Environmental Geologist (Environmental Professional)

Kyle is a Senior Environmental Geologist with over 17 years of experience conducting Phase I and Phase II Environmental Site Assessments, environmental investigations, and remedial projects. He has performed numerous site assessments for potential subsurface contamination including test pits, supervision of well installation and sampling, soil vapor analysis, petroleum storage tank removals, and review and evaluation of analytical groundwater monitoring wells.

Michael Pelychaty | Environmental Geologist (Environmental Professional)

Mike is an environmental geologist with over 15 years of experience in the field of Environmental Management relating to Phase I and Phase II Environmental Site Assessments, Remedial Investigations, Brownfield Remedial Investigations and Corrective Actions.

Jennifer Gillen, MS | Environmental Geologist

Jennifer primarily serves as Environmental Geologist responsible for performing Phase I Environmental Site Assessments and Transaction Screens. She has experience conducting Phase I ESA's throughout New York State, Massachusetts and Pennsylvania. These site assessments include assessment of environmental liability associated with properties such as warehouses, gas stations, auto repair facilities, colleges, universities, hospitals, manufacturing facilities, farms, commercial properties, and residential homes. Additionally, Jennifer has been involved in the planning and completion of numerous Phase II investigations and two Brownfield Opportunity Area Studies. From these experiences, she commands a solid understanding of both state and federal regulations and is proficient in GIS mapping.

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FIGURES AND PHOTOGRAPHS



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NOT TO SCALE

FIGURE 1 SITE LOCATION MAP

1777 East Henrietta Road
Henrietta, New York 14623

LABELLA

PROJECT NO. 214142



FIGURE 3 SITE SKETCH

1777 East Henrietta Road
Henrietta, New York 14623

ABELLA

PROJECT NO. 214142



Site



Offices in Building 1



Office in Building 1



Power system in Building 1



Bathroom in Building 1



Floor Drain in Bathroom in Building 1

Phase I Environmental Site Assessment

1777 East Henrietta Road
Henrietta, New York 14623



Drain in Building 1



Floor drain in janitor closet in Building 1



Trash compactor in Building 1



Cleaning chemicals in Building 1



Oil/lube in Building 1



Sump pump in Building 1



Hydraulic Oil in Building 1



Machines in Building 1



Manufacturing area in Building 1



Liquid oxygen scavenger and salt in Building 1



Liquid oxygen scavenger in Building 1



Boiler in Building 1

Phase I Environmental Site Assessment

1777 East Henrietta Road
Henrietta, New York 14623

ABELLA



Paint chemicals in Building 1



Wash station in Building 1



Parts cleaner in Building 1



Paints in Building 1



Emergency eyewash area in Building 1



Plugged trench drain in Building 1



Gas tanks for welding in Building 1



Water after washing floors in Building 1



Cleaning chemicals in Building 1



Elevator components in Building 1



Minor staining on floor in basement in Building 1



Storage in basement in Building 1



Floor drain in Building 1



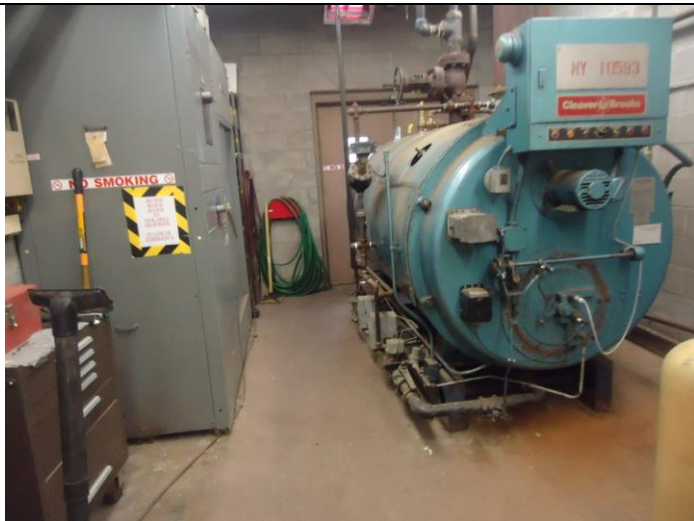
Room in Building 2



Kitchen in Building 2



Training area and machines in Building 2



Boiler in Building 2



Floor drain in Building 2



Chemicals in Building 2



Chemicals in Building 2



Dumpster



Transformer



Monitoring well 3



Detention pond

Phase I Environmental Site Assessment

1777 East Henrietta Road
Henrietta, New York 14623



Fill dirt from I 390 area in west side of Site



Fill dirt from the Site located in west portion of Site



North side of Building 1



North side of Building 1



West side of Building 1



South side of Building 1

Phase I Environmental Site Assessment

1777 East Henrietta Road
Henrietta, New York 14623



South side of Building 1



East side of Building 1



South side of Building 2



South side of Building 2



East side of Building 2



North side of Building 2

Phase I Environmental Site Assessment

1777 East Henrietta Road
Henrietta, New York 14623



North side of Building 2



West side of Building 2



East adjacent property – Hotel



North adjacent properties – Commercial (Monroe Muffler, Collision Center, Valvoline)



South adjacent – I 390

Phase I Environmental Site Assessment

1777 East Henrietta Road
Henrietta, New York 14623



T.M.P. 182.09-01-012
N/F "UNILAND DEVELOPMENT COMPANY"

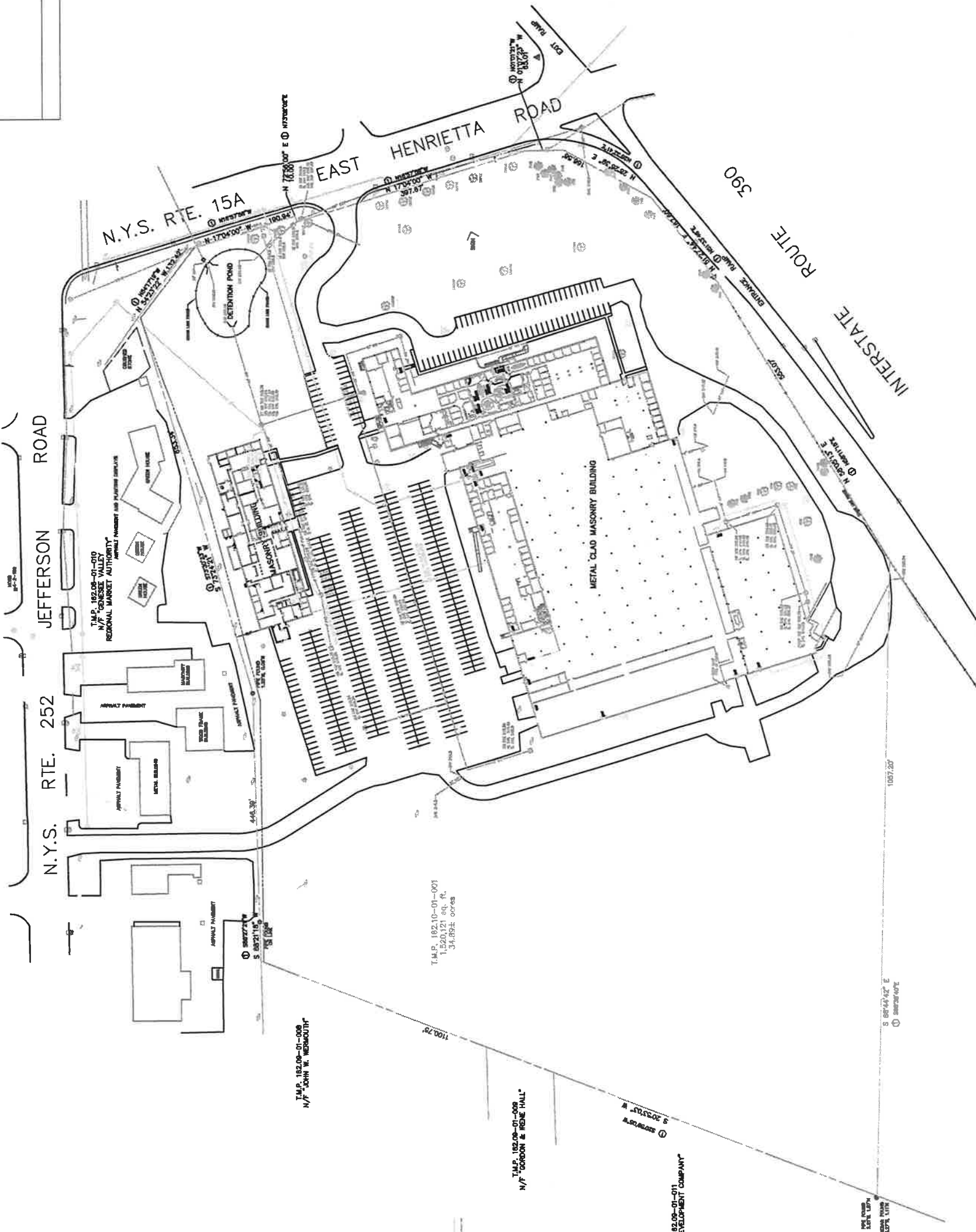


GETTIGE, USA
1777 EAST HENRIETTA ROAD
P.O. BOX 23077
ROCHESTER, NEW YORK 14692-3077
PARTS OF LOTS 5 & 8 IN THE THIRD RANGE, TOWNSHIP 12
RANGE 7, TOWN OF HENRIETTA, MONROE COUNTY, NEW YORK
BOUNDARY AND TOPOGRAPHIC MAP

DATE	12/14/93
SCALE	1"=100'
PROJECT NO.	1885-014
PROJECT	FB 2708
ARCHITECTS / ENGINEERS	18851401.DWG
1885 PTH/ROD-W/STON ROAD, PTH/ROD N.Y. 14634	

NO.	REVISION	DATE	BY
1	ROAD NAME ADJUST	7/9/93	J.L.

THIS MAP WAS PREPARED BY THE ARCHITECTS / ENGINEERS FOR THE PURPOSE OF SHOWING THE PROPOSED LAYOUT OF THE PROJECT AND THE EXISTING CONDITIONS. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF THE ARCHITECTS / ENGINEERS.



LOCAL
8.500



APPENDIX 1

Regulatory Records



Superfund

<http://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0204111>
Last updated on Wednesday, January 15, 2014

You are here: [EPA Home](#) | [Superfund](#) | [Sites](#) | [Superfund Information Systems](#) | [Search Superfund Site Information](#)

Search Superfund Site Information

The Superfund Program is in the process of deploying a new information system, the Superfund Enterprise Management System (SEMS) which is replacing CERCLIS. CERCLIS was frozen as of November 12, 2013. Updated data will become available in early 2014 when SEMS is fully operational.

ROCHESTER COMBINED SUPPORT SHOP & U.S. FISCAL OFFICE

Site Information

[Site Info](#) | [Aliases](#) | [Operable Units](#) | [Contacts](#)
[Actions](#) | [Contaminants](#) | [Site-Specific Documents](#)

This site has been archived from the inventory of active sites.

Site Name: ROCHESTER COMBINED SUPPORT SHOP & U.S. FISCAL OFFICE

Street: 1500 HENRIETTA ROAD

City / State / ZIP: ROCHESTER, NY 14623

NPL Status: Not on the NPL

Non-NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

EPA ID: NY4210022279

EPA Region: 02

County: MONROE

Federal Facility Flag: Federal Facility

[Return to Search Results](#)

[Return to Search Superfund Site Information](#)

[OSWER Home](#) | [Superfund Home](#)

URL: <http://cumulis.epa.gov>

This page design was last updated on Tuesday, June 23, 2009

Content is dynamically generated by ColdFusion



Envirofacts

FRS Facility Detail Report



UCB MANUFACTURING INC

755 JEFFERSON ROAD
ROCHESTER, NY 14623-3233
EPA Registry Id: 110000328084

Facility Registry Service Links

- Search
 - [FRS Facility Query](#)
 - [FRS EZ Search](#)
 - [Organization Search](#)
- [FRS Physical Data Model](#)
- [FRS Geospatial Model](#)
- [Contact Us](#)
- [Facility Registry Service \(FRS\) Home](#)

[Report an Error](#)

Legend

- ★ Selected Facility
- EPA Facility of Interest
- State/Tribe Facility of Interest

The facility locations displayed come from the FRS Spatial Coordinates tables. They are the best representative locations for the displayed facilities based on the accuracy of the collection method and quality assurance checks performed against each location. The North American Datum of 1983 is used to display all coordinates.



Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests
EMISSION INVENTORY SYSTEM (EIS)	8275911	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY	EIS		
INTEGRATED COMPLIANCE INFORMATION SYSTEM	27693	FORMAL ENFORCEMENT ACTION	ICIS	08/15/1995	ICIS-02-1992-0141 FORMAL ENFORCEMENT ACTION
AIR FACILITY SYSTEM	3605500120	AIR SYNTHETIC MINOR (Y)	AIRS/AFS	10/13/2011	
TOXIC RELEASE INVENTORY SYSTEM	14623PNNWL755JE	TRI REPORTER	TRI REPORTING FORM	07/02/2013	
BIENNIAL REPORTERS	NYD002219756	HAZARDOUS WASTE BIENNIAL REPORTER	RCRAINFO	12/31/2009	
NATIONAL COMPLIANCE DATABASE	D02#505	COMPLIANCE ACTIVITY	NCDB		
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	NYD002219756	SQG (Y)	RCRAINFO	10/30/2013	
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	NYR00E868	ICIS-NPDES NON-MAJOR	ICIS	03/15/2010	ICIS- ENFORCEMENT/COMPLIANCE ACTIVITY

Additional EPA Reports: [MyEnvironment](#) [Enforcement and Compliance](#) [Site Demographics](#) [Facility Coordinates Viewer](#) [Environmental Justice Map](#) [Viewer](#) [Watershed Report](#)

Standard Industrial Classification Codes (SIC)

National Industry Classification System Codes (NAICS)

Data Source	SIC Code	Description	Primary	Data Source	NAICS Code	Description	Primary
NPDES	2834	PHARMACEUTICAL PREPARATIONS		AIRS/AFS	325412	PHARMACEUTICAL PREPARATION MANUFACTURING	
ICIS	2834	PHARMACEUTICAL PREPARATIONS		EIS	325412	PHARMACEUTICAL PREPARATION MANUFACTURING	
AIRS/AFS	2834	PHARMACEUTICAL PREPARATIONS		RCRAINFO	325412	PHARMACEUTICAL PREPARATION MANUFACTURING	
AIRS/AFS	PRIV			TRIS	325412	PHARMACEUTICAL PREPARATION MANUFACTURING	
				AIRS/AFS	ATELY		

Facility Codes and Flags

Facility Mailing Addresses

EPA Region	Duns Number	Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
02							

Congressional District Number	29	OWNER	UCB MANUFACTURING INC	ROCHESTER	NY	14623	NPDES
Legislative District Number	NY	OPERATOR	755 JEFFERSON RD	ROCHESTER	NY	14623	RCRAINFO
HUC Code/Watershed	04130003 / LOWER GENESEE	REGULATORY CONTACT	755 JEFFERSON RD	ROCHESTER	NY	14623	RCRAINFO
US Mexico Border Indicator		OWNER	755 JEFFERSON RD	ROCHESTER	NY	14623	RCRAINFO
Federal Facility	NO	FACILITY MAILING ADDRESS	755 JEFFERSON ROAD	HENRIETTA	NY	144670000	AIRS/AFS
Tribal Land	NO	FACILITY MAILING ADDRESS	755 JEFFERSON RD	ROCHESTER	NY	14623	TRIS
Alternative Names		FACILITY MAILING ADDRESS	755 JEFFERSON RD	ROCHESTER	NY	14623	RCRAINFO
Alternative Name	Source of Data	Contacts					
CELLTECH MFG. INC.	TRI REPORTING FORM	Affiliation Type	Full Name	Office Phone	Information System	Mailing Address	
UNITHER MANUFACTURING LLC	RCRAINFO	COMPLIANCE CONTACT	RICH ROTE		AIRS/AFS		
MEDEVA PHARMACEUTICALS INC	AIR VOLUNTARY SUBMISSION	PUBLIC CONTACT	JESSICA A WOJICK	5854759000	TRIS		
FISONS CORPORATION CELLTECH MANUFACTURING INCORPORATED	TRI REPORTING FORM	REGULATORY CONTACT	JESSICA A WOJICK	5852745430	RCRAINFO	View	
UCB MANUFACTURING INC	TRI REPORTING FORM						
FISON CORP.	NCDB						
FISONS CORPORATION	AIR VOLUNTARY SUBMISSION						

Organizations

Affiliation Type	Name	DUNS Number	Information System	Mailing Address
OWNER/OPERATOR		059721944	AIRS/AFS	
OWNER/OPERATOR		059721944	TRIS	
PARENT COMPANY	UCB INC		TRIS	
OWNER	UNITHER MANUFACTURING CO		RCRAINFO	View
OWNER	UCB MANUFACTURING INC		NPDES	View
OWNER	UCB MANUFACTURING INC		RCRAINFO	View
OPERATOR	UNITHER MANUFACTURING CO		RCRAINFO	View
OPERATOR	UCB MANUFACTURING INC		RCRAINFO	

Query executed on: JAN-15-2014

Additional Information for CERCLIS or TRI sites:

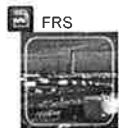
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EXIT



Envirofacts

FRS Facility Detail Report

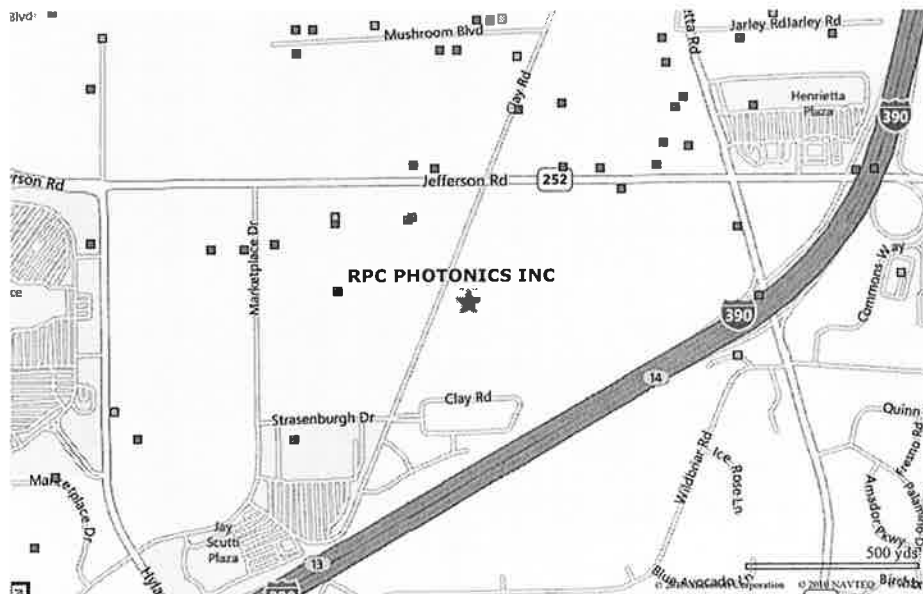


RPC PHOTONICS INC

330 CLAY RD
ROCHESTER, NY 14623
EPA Registry Id: 110015667456

Facility Registry Service Links

- Search
 - [FRS Facility Query](#)
 - [FRS EZ Search](#)
 - [Organization Search](#)
- [FRS Physical Data Model](#)
- [FRS Geospatial Model](#)
- [Contact Us](#)
- [Facility Registry Service \(FRS\) Home](#)

Report
on
Error

Legend

- ★ Selected Facility
- EPA Facility of Interest
- State/Tribe Facility of Interest

The facility locations displayed come from the FRS Spatial Coordinates tables. They are the best representative locations for the displayed facilities based on the accuracy of the collection method and quality assurance checks performed against each location. The North American Datum of 1983 is used to display all coordinates.

Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	NYR000117812	SQG (Y)	RCRAINFO	04/22/2010	
NEW YORK - FACILITY INFORMATION SYSTEM	8-2632-00256	STATE MASTER	FIS		FIS-8-2632-00256/00001 AIR FACILITY REGISTRATION

Additional EPA Reports: [MyEnvironment](#) [Enforcement and Compliance](#) [Site Demographics](#) [Facility Coordinates Viewer](#) [Environmental Justice Map](#)

Standard Industrial Classification Codes (SIC)

National Industry Classification System Codes (NAICS)

Data Source	SIC Code	Description	Primary	Data Source	NAICS Code	Description	Primary
FIS	3827	OPTICAL INSTRUMENTS AND LENSES		RCRAINFO	54171	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES	

Facility Codes and Flags

EPA Region	02
Duns Number	
Congressional District Number	29
Legislative District Number	NY
HUC Code/Watershed	04130003 / LOWER GENESEE
US Mexico Border Indicator	
Federal Facility	NO
Tribal Land	NO

Alternative Names

Alternative Name	Source of Data
RPC PHOTONICS INC	FIS
R P C PHOTONICS	RCRAINFO

Organizations

Affiliation Type	Name	DUNS Number	Information System	Mailing Address
OPERATOR	J KELLY LEE		RCRAINFO	View

Facility Mailing Addresses

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
REGULATORY CONTACT	330 CLAY RD	ROCHESTER	NY	14623	RCRAINFO
FACILITY MAILING ADDRESS	330 CLAY RD	ROCHESTER	NY	14623	RCRAINFO
OPERATOR	UNKNOWN	UNKNOWN	NY	99999	RCRAINFO
LEGALLY RESPONSIBLE PARTY	330 CLAY RD	ROCHESTER	NY	14623	FIS
LEGALLY RESPONSIBLE PARTY	HP-ME-02-06	CORNING	NY	14831	FIS
OWNER	UNKNOWN	UNKNOWN	NY	99999	RCRAINFO

Contacts

Affiliation Type	Full Name	Office Phone	Information System	Mailing Address
LEGALLY RESPONSIBLE PARTY			FIS	View
REGULATORY CONTACT	MARK HIRSCHLER	5852722868	RCRAINFO	View
LEGALLY RESPONSIBLE PARTY		5852722868	FIS	View

OWNER	JAY BIRNBAUM CO		RCRAINFO	View				
AIR PERMITTING FACILITY OWNER CONTACT					MARK HIRSCHLER	5852722868	FIS	



Envirofacts

FRS Facility Detail Report



GETINGE SOURCING LLC

1777 EAST HENRIETTA ROAD
ROCHESTER, NY 14623-3133
EPA Registry Id: 110000328075

Facility Registry Service Links

- Search
 - FRS Facility Query
 - FRS EZ Search
 - Organization Search
- FRS Physical Data Model
- FRS Geospatial Model
- Contact Us
- Facility Registry Service (FRS) Home

Report an Error



Legend

- ★ Selected Facility
- EPA Facility of Interest
- State/Tribe Facility of Interest

The facility locations displayed come from the FRS Spatial Coordinates tables. They are the best representative locations for the displayed facilities based on the accuracy of the collection method and quality assurance checks performed against each location. The North American Datum of 1983 is used to display all coordinates.

Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests
AIR FACILITY SYSTEM	3605500023	AIR SYNTHETIC MINOR (Y)	AIRS/AFS	07/17/2009	
BIENNIAL REPORTERS	NYD002215739	HAZARDOUS WASTE BIENNIAL REPORTER	RCRAINFO	12/31/2005	
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	NYR00E620	ICIS-NPDES NON-MAJOR	ICIS	10/23/2008	ICIS-ENFORCEMENT/COMPLIANCE ACTIVITY
TOXIC RELEASE INVENTORY SYSTEM	14623MOTBL1777E	TRI REPORTER	TRI REPORTING FORM	06/21/2013	
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	NYD002215739	SQG (Y)	RCRAINFO	06/26/2008	
NEW YORK - FACILITY INFORMATION SYSTEM	8-2632-00068	STATE MASTER	FIS		
EMISSION INVENTORY SYSTEM (EIS)	8275811	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY	EIS		

Additional EPA Reports: [MyEnvironment](#) [Enforcement and Compliance](#) [Site Demographics](#) [Facility Coordinates Viewer](#) [Environmental Justice Map](#)

Standard Industrial Classification Codes (SIC)

National Industry Classification System Codes (NAICS)

Data Source	SIC Code	Description	Primary	Data Source	NAICS Code	Description	Primary
AIRS/AFS	3841	SURGICAL AND MEDICAL INSTRUMENTS AND APPARATUS		AIRS/AFS	339113	SURGICAL APPLIANCE AND SUPPLIES MANUFACTURING	
NPDES	3841	SURGICAL AND MEDICAL INSTRUMENTS AND APPARATUS		AIRS/AFS	ATELY		
AIRS/AFS	PRIV			RCRAINFO	339112	SURGICAL AND MEDICAL INSTRUMENT MANUFACTURING	
				EIS	339112	SURGICAL AND MEDICAL INSTRUMENT MANUFACTURING	
				RCRAINFO	339113	SURGICAL APPLIANCE AND SUPPLIES MANUFACTURING	
				TRIS	339113	SURGICAL APPLIANCE AND SUPPLIES MANUFACTURING	

Facility Codes and Flags

EPA Region	02	Affiliation Type	Facility Mailing
Duns Number		Delivery Point	1777 EAST HENRIETTA
Congressional District Number	29	City Name	HENRIETTA
Legislative District Number	NY	State	NY
HUC Code/Watershed	04130003 / LOWER GENESEE	Postal Code	144670000
		Information System	AIRS/AFS

Facility Mailing Addresses

Query executed on: JAN-13-2014

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Environmental Site Remediation Database Search Details

Site Record

Administrative Information

Site Name: Roehlen Engraving

Site Code: 828077

Program: State Superfund Program

Classification: 04

EPA ID Number:

Location

DEC Region: 8

Address: 701 JEFFERSON ROAD

City: HENRIETTA Zip: 14623

County: MONROE

Latitude: 43.086459730

Longitude: -77.623927630

Site Type: STRUCTURE

Estimated Size: 0.050 Acres

Site Owner(s) and Operator(s)

Current Owner Name: Benderson Development Corporation

Current Owner(s) Address: 570 Delaware Avenue
Buffalo, NY, 14202

Owner(s) during disposal: Standex International Corporation

Site Document Repository

Name: Henrietta Public Library

Address: 455 Calkins Road
Henrietta, NY 14467

Hazardous Waste Disposal Period

From: 1969 **To:** 1989

Site Description

The site is located in a commercial/industrial area in the Town of Henrietta. The nearest water body is Red Creek which is approximately 1 mile southwest of the site. The area is served by

public water. Roehlen Engraving was a manufacturer of specialty engraving plates and rolls. Part of the manufacturing process involved plating the finished products with chromium. The facility is now inactive. Past usage of plating chemicals and solvents contaminated on-site soil and groundwater with chromium and volatile organic compounds. On-site investigations performed in 1988 and 1989 revealed the presence of hexavalent chromium and volatile organics in the groundwater, and chromium contaminated soils beneath the building.

Summary of Project Completion Dates

Projects associated with this site are listed in the [Project Completion Dates](#) table and are grouped by Operable Unit (OU). A site can be divided into a number of operable units depending on the complexity of the site and the number of issues associated with a site. Sites are often divided into operable units based on the media to be addressed (such as groundwater or contaminated soil), geographic area, or other factors.

Contaminants of Concern (Including Materials Disposed)

Type of Waste	Quantity of Waste
HEXAVALENT CHROMIUM (F006)	UNKNOWN
TRICHLOROETHYLENE (TCE)	UNKNOWN

Site Environmental Assessment

The RI identified the extent of contamination and the preferred remedial alternative was selected in the spring of 1994. Contamination was limited to the area of the chrome plating operations and a small area of the employee parking lot. The soil removal was completed, and the groundwater pump-and-treat system was operated from 1995 to 2006. The property was sold in 2006, the pump & treat system was shutdown and the building demolished. A soil removal in the former chrome plating area was completed in November 2008. The soil cleanup level for chromium (35 ppm) was achieved. Evaluation of residual groundwater contamination indicated that contamination was limited to the former chrome plating area of the site (approximately 1000 sq. ft. area). Levels of chromium in groundwater ranged from non-detect (ND) to 15 ppm. Pre-excavation VOC concentrations were over 500 ppb total cVOCs. Post excavation cVOC concentrations have ranged from 9 to 25 ppb. A molasses injection was completed at the site in September 2009. Post-injection sampling has shown reductions in total chromium concentrations to 200 ppb. Total cVOC concentrations have remained consistent.

Site Health Assessment

Exposure to site-related contaminants in drinking water is not expected since homes and businesses near the site are connected to public water and no drinking water wells are known to exist within one mile of the site. Remediation of contaminated soil was completed in October 1995. Long-term groundwater treatment and monitoring is ongoing. These measures will minimize the potential for public exposure to site-related contaminants. NYSDOH and NYSDEC will evaluate the need to conduct additional investigations to determine the potential for soil vapor intrusion into structures on or near the site.

For more Information: [E-mail Us](#)

[Refine Current Search](#)



Environmental Site Remediation Database Search Details

Site Record

Administrative Information

Site Name: United Cleaners

Site Code: 828152

Program: State Superfund Program

Classification: P *

EPA ID Number:

Location

DEC Region: 8

Address: 2199 East Henrietta Rd.

City:Henrietta **Zip:** 14623

County:MONROE

Latitude: 43.073000000

Longitude: -77.609000000

Site Type:

Estimated Size: 3.900 Acres

Site Owner(s) and Operator(s)

Current Owner Name: Frontier Center, LLC

Current Owner(s) Address: 2199 E. Henrietta Rd.
Henrietta, NY, 14623

Current On-Site Operator: United Cleaners

Stated Operator(s) Address: 2199 East Henrietta Rd
Henrietta, NY 13204

Site Description

Location: The United Cleaners site is a dry cleaning business located in the Town of Henrietta, Monroe County. The site is approximately 0.3 miles northwest from the intersection of West Henrietta Rd and Calkins Rd. **Site Features:** The dry cleaning operations are located at the center of a commercial building in Suburban Plaza, consisting of a 14.6 acre parcel containing a variety of business establishments (Tax Parcel ID 162.18-2-1.111). The site is defined in the consent order as the boundaries of the commercial structure containing the United Cleaners

operations and the site property between this building and the western property boundary. United Cleaners is located at the center of the north-south oriented building. The United Cleaners space is approximately 75 by 30 ft. Residential properties are within 200 ft west of the dry cleaner. Also bordering the property is a combination of residential and commercial property to the north, residential property across West Henrietta Rd to the east, and by commercial property to the south. Current use/Zoning: The site is currently zoned for commercial use. Two commercial structures are on the property. Historic Use: The Suburban Plaza property was developed in approximately 1959. It is reported that dry cleaning has been performed at this site since 1993. Site contamination is related to the dry cleaning operations. The operations converted their dry cleaning process from chlorinated solvents to petroleum distillates. Site Geology/Hydrogeology: The site soils was determined to consist of silts-clays with variable amounts of sand and gravel to approximately 50 feet below ground which was the extent of the soil borings installed during the site investigations. Bedrock was not encountered during the investigation. The depth to groundwater was determined to vary between 2 to 10 feet below ground surface in shallow wells and 25 to 30 feet below ground surface in the deeper wells. Due to the nature of the soils, silty clays at 6 to 10 feet below ground surface, there appears to be confinement of contaminated groundwater to a shallower zone and the limiting of downward movement of contaminants.

Summary of Project Completion Dates

Projects associated with this site are listed in the [Project Completion Dates](#) table and are grouped by Operable Unit (OU). A site can be divided into a number of operable units depending on the complexity of the site and the number of issues associated with a site. Sites are often divided into operable units based on the media to be addressed (such as groundwater or contaminated soil), geographic area, or other factors.

Contaminants of Concern (Including Materials Disposed)

Type of Waste	Quantity of Waste
ACETONE	UNKNOWN
CHLOROETHANE	UNKNOWN
CHLOROFORM	UNKNOWN
DICHLOROETHYLENE	UNKNOWN
TETRACHLOROETHYLENE (PCE)	UNKNOWN
TRICHLOROETHENE (TCE)	UNKNOWN
VINYL CHLORIDE	UNKNOWN

Site Environmental Assessment

This section summarizes the assessment of existing and potential future environmental impacts presented by the site. Based upon the investigation conducted to date the primary contaminants of concern at the site include perchloroethylene, trichloroethylene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, acetone, and vinyl chloride. These contaminants have been found in shallow soils and groundwater primarily at two locations, underneath the dry cleaning operations and in an area to the west of the site. Soils The highest levels of contaminants were identified in soil located in borings B-17 and B-19, 100 +/- feet west of the dry cleaner at the edge of the pavement/drainage ditch. Disposal of dry cleaning wastewater is suspected. Concentrations of acetone, PCE, TCE, vinyl chloride and cis-1,2-DCE exceed the 375-6.8(a) unrestricted use and protection of groundwater SCOs but not the residential SCOs. Acetone also exceeded the protection of groundwater and unrestricted SCOs in borings B3, B12, B13, B14, and B15 (0-4 ft bgs) which are located in the vicinity of the dry cleaning operations. Acetone was also detected in this range in soil boring HA-107 (100 ft to the NW). Vinyl chloride was detected in this range in soil boring B3. The highest concentrations were of PCE at 2.21 and 1.7 ppm in B-17 and B-19, respectively. These concentrations were found in the soil sample collected from 0-4 feet bgs and additional samples analyzed from 6-8 ft bgs were non-detect for these compounds. Groundwater- Sixteen groundwater monitoring wells were installed with the highest levels of contamination identified in a monitoring well located at the center of drainage ditch on the western property line. The primary contaminants in that well were cis-DCE (758 ppb), TCE (426 ppb), and PCE (349 ppb). Higher levels of contamination were identified in shallow wells (screened less than 20 ft bgs). These contaminants were also identified above groundwater standards in the monitoring wells under and adjacent to the dry cleaning operations at concentration of cis-DCE ranging from 7 to 191 ppb. Cis-DCE was detected in the area of the Interim Remedial Measure (IRM) soil excavation at concentrations ranging from 420 ppb prior to the IRM to 15 ppb following the IRM. Contaminants were also identified in a monitoring in the public area of a residential subdivision to the west at concentrations of 131 - 210 ppb of cis-DCE. These detections led to the investigation of two adjacent residential properties for soil vapor intrusion concerns. Based on the results of this sampling, two additional monitoring wells were installed further west into the residential neighborhood. Groundwater samples from these wells did not identify site-related contamination. Deeper wells screened 30-45 ft bgs did not show significant levels of contamination with only detecting cis-DCE slightly above standards. On-Site Soil Vapor Intrusion- Soil vapor intrusion testing was performed for the commercial building containing the United Cleaners operations. The results of indoor air and sub-slab vapor samples collected

from adjacent building spaces in March 2009 indicated a need for mitigation in the building based on detections of TCE and PCE. A sub-slab depressurization (SSD) system was installed during 2009 consisting of 10 suction fans and 30 sub-slab collection points. The SSD system is designed to mitigate indoor air exposures throughout the entire commercial building containing the United Cleaners operations. Off-Site Soil Vapor Intrusion- Based on the results of groundwater sampling two adjacent homes were evaluated for soil vapor intrusion impacts. During 2009 and 2010 samples of indoor air, sub-slab vapor, and sump water were collected from these properties on two occasions. Sump samples from one property contained concentrations of cis-DCE that exceeded the groundwater standard and ranged from 7 - 15 ppb. Cis-DCE was detected in the sump from the other property below the groundwater standard. Chloroform was detected above the groundwater standard in one sump water sample at 99 ppb. Sub-slab vapor and indoor air samples detected TCE in one sample at 0.26 ppb. The results of sampling did not require further action based on NYSDOH guidance.

Site Health Assessment

As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns.

*** Class P Sites:** "DEC offers this information with the caution that it should not be used to form conclusions about site contamination beyond what is implied by the classification of this site, namely, that there is a potential for concern about site contamination. Information regarding a Class P site (potential Registry site) is by definition preliminary in nature and unverified because the DEC's investigation of the site is not yet complete. Due to the preliminary nature of this information, significant conclusions or decisions should not be based solely upon this summary."

[For more Information: E-mail Us](#)

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NEW YORK STATE
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

Environmental Site Remediation Database Search Details

Site Record

Administrative Information

Site Name: 99 Ridgeland Road (GMC Management Proper

Site Code: V00230

Program: Voluntary Cleanup Program

Classification: C

EPA ID Number:

Location

DEC Region: 8

Address: 99 Ridgeland Road

City:Henrietta **Zip:** 14623

County:MONROE

Latitude: 43.090291610

Longitude: -77.602450100

Site Type:

Estimated Size: 1.250 Acres

Institutional And Engineering Controls

Control Type:

Deed Restriction

Control Elements:

Building Use Restriction

Ground Water Use Restriction

Landuse Restriction

Soil Management Plan

Vapor Mitigation

Site Owner(s) and Operator(s)

Current Owner Name: GMC Management Corp.

Current Owner(s) Address: 99 Ridgeland Road
Henrietta,NY, 14623

Site Document Repository

Name: Henrietta Public Library

Address: 455 Calkins Road
Henrietta, NY 14623

Site Description

Location: The 99 Ridgeland Road (GMC Management Property) site is located in a suburban area in the Town of Henrietta, Monroe County. **Site Features:** The main site features include an 11,000 square foot building, an asphalt parking area east of the building and grass covered areas south and west of the building. **Current Zoning/Uses:** The site is currently zoned for Industrial use. Surrounding parcels are currently used for a combination of commercial, light industrial, and utility right-of-ways. Interstate 390 is located just west of the site. The nearest residential area is approximately 1000 ft northwest of the site. **Historical Uses:** American Siepmann Corporation (ASC) and related companies were former tenants at the Site from 1983 to 1992. ASC distributed grinding and polishing machines, etch making equipment and related supplies. Prior uses that appear to have led to site contamination include cleaning equipment with solvents, including trichloroethene (TCE). In 1993, chlorinated solvent contamination was discovered in soil and groundwater along the east side of the building and 185 tons of contaminated soil were later removed from the area. Groundwater sampling indicated the continued presence of chlorinated solvents in the groundwater. Based on this information, ASC entered the Voluntary Cleanup Program (VCP) in 1999. **Site Geology And Hydrogeology:** Soils are generally a dense mix of silty sand, gravel, and clay. Depth to groundwater is typically about 5 ft below ground surface and groundwater generally flows to the southwest.

Summary of Project Completion Dates

Projects associated with this site are listed in the Project Completion Dates table and are grouped by Operable Unit (OU). A site can be divided into a number of operable units depending on the complexity of the site and the number of issues associated with a site. Sites are often divided into operable units based on the media to be addressed (such as groundwater or contaminated soil), geographic area, or other factors.

Contaminants of Concern (Including Materials Disposed)

Type of Waste	Quantity of Waste
TRICHLOROETHENE (TCE)	UNKNOWN
Hazardous Substances	UNKNOWN

Site Environmental Assessment

Nature And Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were trichloroethene and associated degradation products in groundwater. Site management, including periodic groundwater monitoring, is conducted to verify that the remedy remains effective.

Site Health Assessment

The site has been sufficiently investigated and remedies are in place. Potential human exposures to site-related contaminants have been mitigated. The nearest residential property is approximately 1000 feet northwest (upgradient) from the site. Since homes and businesses in the area are supplied with public water, exposure to site-related contaminants in drinking water is not expected. The site remedy includes deed restrictions which limit the future use of the site. A soil management plan has been implemented to prevent the unauthorized disturbance of potentially contaminated subsurface soil. The use of groundwater for potable or industrial purposes is prohibited. The potential for the intrusion of soil vapors in the site building has been addressed through the installation of a subslab depressurization system.

For more Information: E-mail Us

Refine Current Search



Environmental Site Remediation Database Search Details

Site Record

Administrative Information

Site Name: 755 Jefferson Road

Site Code: V00126

Program: Voluntary Cleanup Program

Classification: A

EPA ID Number:

Location

DEC Region: 8

Address: 755 Jefferson Road

City: Rochester **Zip:** 14623

County: MONROE

Latitude: 43.085839240

Longitude: -77.621739070

Site Type:

Estimated Size: 40.150 Acres

Institutional And Engineering Controls

Control Type:

Deed Restriction

Control Elements:

Ground Water Use Restriction

Landuse Restriction

Monitoring Plan

O&M Plan

Site Management Plan

Soil Management Plan

Site Owner(s) and Operator(s)

Site Document Repository

Name: Henrietta Public Library

Address: 455 Calkins Road

Henrietta, NY 14623

Site Description

This approximately 40-acre site is located in a highly developed commercial area of the Town of Henrietta. It is bordered by mixed industrial and commercial land use and some multi-family residential housing within a one mile radius. Since the 1950's, the site has been used to manufacture pharmaceuticals. Contamination is primarily attributed to past release(s) of methylene chloride, used in the manufacturing process. The Remedial Investigation identified two discrete areas of contamination; the Building 2 Sump Area (B2SA) and the Methylene Chloride Area (MCA). Soils in the B2SA were contaminated with PAHs and metals, which were associated with the former use of a neutralization tank and sump in the basement of Building 2. Removal of contaminated soil was completed in the B2SA in 2005 to unrestricted levels. A Final Engineering Report for the B2SA was submitted in March 2006. The MCA is a portion of the site that is impacted with methylene chloride in soils and groundwater emanating from the location of a former above ground storage tank used to store the compound. The methylene chloride contamination extends under a portion of Building 3. A multi-phase extraction system was installed in the MCA, including extraction wells under the manufacturing building. Full-scale system start-up occurred in 2006. Operation of the system was discontinued in August 2010 after it had been demonstrated that methylene chloride removal was approaching asymptotic rates. A total of 138 pounds of methylene chloride was removed during system operation. Methylene chloride concentrations in site groundwater have been reduced from a high of 9,100,000 ppb in March 2002 to 22 ppb in December 2011. The maximum concentration of methylene chloride remaining in site soils was 90 ppm during post remedial soil sampling completed in January 2011. The MCA FER was submitted in January 2008. The Site Management Plan was approved in August 2011. The Deed Restriction was filed in January 2012. An MCA OM&M FER and a Site-Wide Petition for Remedial Closeout were submitted in March 2012. The FER Documents were approved in May 2012. The Release letter was issued on July 13, 2012. Site Management, including groundwater monitoring, is ongoing.

Summary of Project Completion Dates

Projects associated with this site are listed in the [Project Completion Dates](#) table and are grouped by Operable Unit (OU). A site can be divided into a number of operable units depending on the complexity of the site and the number of issues associated with a site. Sites are often divided into operable units based on the media to be addressed (such as

groundwater or contaminated soil), geographic area, or other factors.

Contaminants of Concern (Including Materials Disposed)

Type of Waste	Quantity of Waste
Hazardous Substances	UNKNOWN
METHYLENE CHLORIDE	UNKNOWN

Site Environmental Assessment

The primary contaminants of concern identified during the RI include methylene chloride, PAHs, and some metals, including chromium, copper, mercury, and zinc. Investigations indicate the groundwater contaminant plume has not migrated off-site. Exceedances of standards, criteria, and guidance included methylene chloride in soils and groundwater, and PAHs and certain metals in soils. The site presented an environmental threat due to the potential for on-going releases from the source area into groundwater. PAHs and metals have been removed to acceptable levels in the Building 2 Sump Area. The remedial system in the Methylene Chloride Area significantly reduced source area concentrations.

Site Health Assessment

People are not drinking site-related contaminants in the groundwater since the area is served by a public water supply not affected by this contamination. Direct contact with contaminants in the soil is unlikely because the majority of the site is covered with buildings and pavement. Volatile organic compounds in the soil may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Soil vapor intrusion is not a concern at the on-site building due to the current use of volatile organic compounds in the manufacturing process within the building. An evaluation of the potential for soil vapor intrusion to occur will be completed should the current use of the site change.

For more Information: [E-mail Us](#)

[Refine Current Search](#)



Environmental Site Remediation Database Search Details

Site Record

Administrative Information

Site Name: Former A B Dick Facility

Site Code: C828148

Program: Brownfield Cleanup Program

Classification: A

EPA ID Number:

Location

DEC Region: 8

Address: 811 Jefferson Road

City: Rochester **Zip:** 14623

County: MONROE

Latitude: 43.085666667

Longitude: -77.619555556

Site Type: STRUCTURE

Estimated Size: 12.210 Acres

Site Owner(s) and Operator(s)

Current Owner Name: 811 Jefferson Road LLC

Current Owner(s) Address: Kaman, Berlove, Marafioti, Jacobstein & Goldman
Rochester, NY, 14623

Site Document Repository

Name: Henrietta Public Library

Address: 455 Calkins Road
Henrietta, NY 14623

Site Description

Location: The AB Dick site is an approximately 12.2 acre parcel located in a suburban area at 811 Jefferson Road, Henrietta, in Monroe County. The site is just west of the intersection of Jefferson Road and Clay Road. **Site Features:** Previously, the main site features included an asphalt parking lot and an approximately 167,200 sq. ft slab on grade building that was constructed in 1955-1956 with additions in 1968 and 1979. The building was demolished and

all waste and demolition debris were removed in early 2007. A portion of the former building slab and a contiguous portion of the asphalt parking lot pavement, which together cover about 3 acres in the southwest corner of the Site, were left in place. The remainder of the site is grass covered.

Current Zoning and Land Use: The site is currently inactive, and is zoned for industrial use. Land use in the area surrounding the site is primarily commercial, although both industrial and residential properties are present in the area. The nearest residential property is on the east side of Clay Road directly across from the site.

Past Use of the Site: Between 1955 and 2005 the site was used to manufacture photocopy imaging equipment. Operators included the AB Dick Company, Itek Corporation, Photostat Corporation, and Silver Acquisition Corp, Inc. (also known as ABDI International Inc.). Past operations that appear to have led to site contamination include chemical stripping, material storage including an underground storage tank, and discharges to drainage ditches. In 1971, AB Dick notified the Town of Henrietta that one catch basin was previously used by employees to discharge industrial wastewater that should have been discharged to the sanitary sewer system. In 1998, contaminated soil was encountered during removal of an underground concrete tank that was connected to a floor drain in the buildings hazardous material storage room. The former tank was located adjacent to the south wall of the hazardous materials storage room addition at the southwest corner of the facility building. A spill notification was submitted to DEC. AB Dick completed a follow-up subsurface investigation in 1998 and determined that residual subsurface impacts from the release at the tank appeared to be limited to the top two feet of soil and in the immediate area of the tank excavation. Impacted soils were excavated and the spill was closed. A subsurface investigation completed in 2006 identified VOC contaminated soil in two locations. Contaminants included both chlorinated and non-chlorinated VOCs including tetrachloroethene, trichloroethene, xylene, toluene and ethylbenzene. The VOCs detected in soil at both locations also appeared to be sources of groundwater contamination. Contaminant impacts were also identified in the drainage ditch along the southern property line. Contaminants included volatile organic compounds, polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and several metals including cadmium, copper, silver and zinc. Based on these results, 811 Jefferson Road LLC (the site owners) entered the Brownfield Cleanup Program in 2007 to investigate and remediate the site.

Site Geology and Hydrogeology: The site is relatively flat and slopes gently down toward the west. Subsurface soils consist of several feet of fill material followed by red-brown upper glacial till to a depth of approximately 17 feet. Below the upper till is a gray-brown lower till down to approximately 57 feet. The till is underlain by a clayey unit with some silt that is present from approximately 57 to approximately 64 feet. The clayey unit is underlain by a variable sand unit (with silty sand and sand and gravel layers) to the top of weathered shale bedrock at 70 to 76 feet. Groundwater

generally occurs within 1 to 5 feet of ground surface and flows radially away from the center of the site. Stormwater runoff from the central, south and west portions of the site drains to an off-site stormwater drainage ditch located along the south site boundary. Roof drains from the former building also drained to this ditch. The ditch leads to an underground culvert that runs to the southwest. Stormwater runoff from the east side of the site flows to the center of the two topographic lows at which eventually discharge to the drainage ditch located along the south site boundary. Stormwater runoff from the northern edge of the site drains to Jefferson Road storm sewer catch basins.

Contaminants of Concern (Including Materials Disposed)

Type of Waste	Quantity of Waste
BENZO(A)PYRENE	UNKNOWN
BENZO(B)FLUORANTHENE	UNKNOWN
BENZO[K]FLUORANTHENE	UNKNOWN
CADMIUM	UNKNOWN
COPPER	UNKNOWN
DIBENZ[A,H]ANTHRACENE	UNKNOWN
DICHLOROETHYLENE	UNKNOWN
ETHYLBENZENE	UNKNOWN
indeno(1,2,3-cd)pyrene	UNKNOWN
PCB-AROCLOR 1254	UNKNOWN
SILVER	UNKNOWN
TETRACHLOROETHYLENE (PCE)	UNKNOWN
TOLUENE	UNKNOWN
TRICHLOROETHENE (TCE)	UNKNOWN
VINYL CHLORIDE	UNKNOWN
XYLENE (MIXED)	UNKNOWN
ZINC	UNKNOWN

Site Environmental Assessment

Nature and Extent of Contamination: Based upon the investigations conducted to date, there are two primary areas of concern at the site. Area 1 is located near the southwest corner of the former building in the vicinity of industrial cleaning operations, storage areas including a former underground tank, and sub-floor piping. The primary contaminants of concern for Area 1 include the non-chlorinated VOCs xylene, and ethylbenzene and the chlorinated VOCs trichloroethene (TCE) and tetrachloroethene (PCE). Area 1 Soil The non-chlorinated VOCs are found in shallow soil while the chlorinated VOCs are found in both the shallow and deeper

soils. Concentrations of xylene found in Area 1 (up to approximately 1100 ppm) significantly exceed the soil cleanup objective (SCO) for unrestricted use (0.26 ppm). Concentrations of toluene found on in Area 1 (up to approximately 5 ppm) moderately exceed the SCO for unrestricted use (0.7 ppm). Concentrations of ethylbenzene found in Area 1 (up to approximately 230 ppm) significantly exceed the SCO for unrestricted use (1 ppm). Concentrations of TCE found in Area 1 (up to 1400 ppm) significantly exceed the SCO for unrestricted use (0.47 ppm). Concentrations of PCE found in Area 1 (up to 16 ppm) moderately exceed the SCO for unrestricted use (1.3 ppm). Area 1 Groundwater Chlorinated and non-chlorinated VOCs are also found in groundwater significantly exceeding groundwater standards (typically 5 ppb), with a maximum total non-chlorinated VOC concentration of about 5,300 ppb and a maximum total chlorinated VOC concentration of 669,000 ppb. Chlorinated VOCs are estimated to have migrated about 300 feet down-gradient to the west near the property boundary. The non-chlorinated solvents do not appear to have migrated significantly beyond the source area. Vertically, significant groundwater impacts are present to depths of 77 feet below ground. Area 2 is the off-site drainage ditch located at the southern boundary of the site. The ditch collects stormwater runoff from the central, south and west portions of the site. Roof drains from the former building also drained to this ditch. The primary contaminants of concern for Area 2 include chlorinated VOCs, PAHs, PCBs, and several metals (cadmium, copper, silver and zinc). Area 2 Soil The PCBs, PAHs, and metals are found in shallow soil while the chlorinated VOCs are found in both the shallow and deeper soils. Concentrations of TCE found in Area 2 (up to 6,900 ppm) significantly exceed the SCO for unrestricted use (0.47 ppm). Concentrations of PCE found in Area 2 (up to 28 ppm) moderately exceed the SCO for unrestricted use (1.3 ppm). Concentrations of PCBs found in Area 2 (up to approximately 7 ppm) moderately exceed the soil cleanup objective (SCO) for unrestricted use (0.1 ppm). Concentrations of cadmium found on in Area 2 (up to approximately 55 ppm) moderately exceed the SCO for unrestricted use (2.5 ppm). Concentrations of copper found in Area 2 (up to approximately 803 ppm) moderately exceed the SCO for unrestricted use (50 ppm). Concentrations of silver found in Area 2 (up to approximately 91 ppm) moderately exceed the SCO for unrestricted use (2 ppm). Concentrations of multiple PAHs in Area 2 exceed the SCO for unrestricted use (typically 1 ppm) with a maximum total PAH concentration of approximately 369 ppm. Area 2 Surface Water The drainage ditch does not contain continuously flowing water. Rather there are areas where the water pools between precipitation events. Surface water samples from the drainage ditch indicated the potential presence of several metals exceeding Class D surface water standards. Concentrations of cadmium (up to approximately 18 ppb) moderately exceed the Class D surface water standard (9.2 ppb). Concentrations of copper (up to approximately 354 ppb) moderately exceed the

Class D surface water standard (28 ppb). Concentrations of silver (up to approximately 22 ppb) moderately exceed the Class D surface water standard (16 ppb). Concentrations of zinc (up to approximately 1970 ppb) moderately exceed the Class D surface water standard (160 ppb). Results from a subsequent surface water sampling event for these metals were below the surface water standards. Area 2 Groundwater Chlorinated VOCs associated with Area 2 are also found in groundwater significantly exceeding groundwater standards (typically 5 ppb), with a maximum total chlorinated VOC concentration of 700,000 ppb. Chlorinated VOCs have migrated from the drainage ditch about 140 feet down-gradient to the southwest. The drainage ditch and the groundwater plume are both located off-site on an adjacent industrial property. Vertically, slight groundwater impacts are present to depths of 74 feet below ground. Soil Vapor - Soil vapor samples were collected from around the perimeter of the site. The highest concentrations of chlorinated solvents were detected near the western site boundary adjacent to another industrial facility. Chlorinated solvents were not detected in the off-site groundwater downgradient of the impacted soil vapor location. Significant Threat: The site presents a significant environmental threat due to the ongoing releases of contaminants from source areas into groundwater.

Site Health Assessment

People are not drinking contaminated groundwater associated with the site because the area is served by a public water supply that obtains its water from a different source not affected by this contamination. The site is not fenced and people who enter the site could contact contaminants in the soil by walking on the soil, digging or otherwise disturbing the soil. Volatile organic compounds in the groundwater may move into the soil vapor (air between soil particles), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The site is vacant; therefore, inhalation of site-related contaminants due to soil vapor intrusion does not represent a current concern. However, the potential exists for the inhalation of site-related contaminants due to soil vapor intrusion for any future on-site building development and occupancy. Further evaluation is needed to determine whether soil vapor intrusion is a concern for off-site buildings.

For more Information: [E-mail Us](#)

[Refine Current Search](#)



Bulk Storage Database Search Details

Facility Information

Site No.: 8-600388

Status: Active

Expiration Date: 07/05/2016

Site Type: PBS

Site Name: MONRO MUFFLER/BRAKE #3

Address: 965 JEFFERSON ROAD

Locality: ROCHESTER

State: NY

Zipcode: 14623

County: MONROE

Owner(s) Information

Facility Owner: MONRO MUFFLER BRAKE, INC

200 HOLLEDER PARKWAY . ROCHESTER, NY. 14615-3808

Mail Contact: MONRO MUFFLER BRAKE, INC

200 HOLLEDER PARKWAY . ROCHESTER, NY. 14615-3808

Tank Information

1 Tanks Found

Tank No	Tank Location	Status	Capacity (Gal.)
001	Aboveground - in contact with impervious barrier	In Service	275

[Refine Current Search](#)



Bulk Storage Database Search Details

Tank Information

Site No: 8-600388

Site Name: MONRO MUFFLER/BRAKE #3

Tank No: 001

Tank Location: Aboveground - in contact with impervious barrier

Tank Status: In Service

Tank Install Date:

Tank Closed Date:

Tank Capacity: 275 gal.

Product Stored: Waste Oil/Used Oil

Percentage: 100%

Tank Type: 01 - Steel/Carbon Steel/Iron

Tank Internal Protection: None

Tank External Protection: Painted/Asphalt Coating

Tank Secondary Containment: Double-Walled (Underground)

Tank Leak Detection: Interstitial - Manual Monitoring

Overfill: Float Vent Valve

Spill Prevention: None

Dispenser: Suction Dispenser

Pipe Location: No Piping

Pipe Type: No Piping

Pipe External Protection: None

Piping Secondary Containment: None

Piping Leak Detection: None

Tank Next Test Due:

Tank Last Test:

Tank Test Method: Testing Not Required

[Refine Current Search](#)

[Back to Facility Info](#)



Bulk Storage Database Search Details

Facility Information

Site No.: 8-060437
Status: Unregulated
Expiration Date: 12/02/1996
Site Type: PBS
Site Name: ITEK GRAPHIX DISTRIBUTION CENTER
Address: 330 CLAY ROAD
Locality: ROCHESTER
State: NY
Zipcode: 14623
County: MONROE

Owner(s) Information

Facility Owner: WILSON ENTERPRISES
929 MIDTOWN TOWER . ROCHESTER , NY. 14604
Mail Contact: WILSON ENTERPRISES
929 MIDTOWN TOWER . ROCHESTER , NY. 14604

Tank Information

1 Tanks Found

Tank No	Tank Location	Status	Capacity (Gal.)
001	Underground	Closed - Removed	10000

[Refine Current Search](#)



Bulk Storage Database Search Details

Tank Information

Site No: 8-060437

Site Name: ITEK GRAPHIX DISTRIBUTION CENTER

Tank No: 001

Tank Location: Underground

Tank Status: Closed - Removed

Tank Install Date: 09/01/1976

Tank Closed Date: 02/01/1992

Tank Capacity: 10000 gal.

Product Stored: #2 Fuel Oil (On-Site Consumption)

Percentage: 100%

Tank Type: 01 - Steel/Carbon Steel/Iron

Tank Internal Protection: None

Tank External Protection: Painted/Asphalt Coating

Tank Secondary Containment: None

Tank Leak Detection: None

Overfill: None

Spill Prevention: None

Dispenser: Suction Dispenser

Pipe Location: Aboveground/Underground Combination

Pipe Type: Steel/Carbon Steel/Iron

Pipe External Protection: None

Piping Secondary Containment: None

Piping Leak Detection: None

Tank Next Test Due:

Tank Last Test: 12/01/1988

Tank Test Method: SoilTest Ainlay Tank 'Tegrity Tester

[Refine Current Search](#)

[Back to Facility Info](#)



Bulk Storage Database Search Details

Facility Information

Site No.: 8-001856

Status: Unregulated

Expiration Date: 04/15/1991

Site Type: PBS

Site Name: MDT BIOLOGIC COMPANY

Address: CASTLE CO/DIVISION OF SYBRON 1777 EAST HENRIETTA ROAD

Locality: ROCHESTER

State: NY

Zipcode: 14623

County: MONROE

Owner(s) Information

Facility Owner: MDT BIOLOGIC/CASTLE CO/DIVISION OF SYBRON
1777 EAST HENRIETTA ROAD . ROCHESTER , NY. 14623

Mail Contact: MDT BIOLOGIC CO
CASTLE CO/DIVISION OF SYBRON . ROCHESTER , NY. 14623

Tank Information

2 Tanks Found

Tank No	Tank Location	Status	Capacity (Gal.)
001	Underground	Closed - Removed	10000
002	Underground	Closed - Removed	10000

[Refine Current Search](#)



Bulk Storage Database Search Details

Tank Information

[Next Tank](#)[Last Tank](#)

Site No: 8-001856

Site Name: MDT BIOLOGIC COMPANY

Tank No: 001

Tank Location: Underground

Tank Status: Closed - Removed

Tank Install Date: 02/01/1955

Tank Closed Date: 05/01/1988

Tank Capacity: 10000 gal.

Product Stored: #2 Fuel Oil (On-Site Consumption)

Percentage: 100%

Tank Type: 01 - Steel/Carbon Steel/Iron

Tank Internal Protection: None

Tank External Protection: None

Tank Secondary Containment: Vault (w/o access)

Tank Leak Detection: Other

Overfill: Product Level Gauge (A/G)

Spill Prevention: None

Dispenser: Suction Dispenser

Pipe Location: Underground/On-ground

Pipe Type: Steel/Carbon Steel/Iron

Pipe External Protection: None

Piping Secondary Containment: None

Piping Leak Detection: None

Tank Next Test Due:

Tank Last Test:

Tank Test Method: Testing Not Required

[Refine Current Search](#)

[Back to Facility Info](#)



Bulk Storage Database Search Details

Tank Information

[First Tank](#)[Previous Tank](#)

Site No: 8-001856

Site Name: MDT BIOLOGIC COMPANY

Tank No: 002

Tank Location: Underground

Tank Status: Closed - Removed

Tank Install Date: 02/01/1955

Tank Closed Date: 05/01/1988

Tank Capacity: 10000 gal.

Product Stored: #2 Fuel Oil (On-Site Consumption)

Percentage: 100%

Tank Type: 01 - Steel/Carbon Steel/Iron

Tank Internal Protection: None

Tank External Protection: None

Tank Secondary Containment: Vault (w/o access)

Tank Leak Detection: Other

Overfill: Product Level Gauge (A/G)

Spill Prevention: None

Dispenser: Suction Dispenser

Pipe Location: Underground/On-ground

Pipe Type: Steel/Carbon Steel/Iron

Pipe External Protection: None

Piping Secondary Containment: None

Piping Leak Detection: None

Tank Next Test Due:

Tank Last Test:

Tank Test Method: Testing Not Required

[Refine Current Search](#)

[Back to Facility Info](#)



Bulk Storage Database Search Details

Facility Information

Site No.: 8-600345
Status: Active
Expiration Date: 01/22/2016
Site Type: PBS
Site Name: VALVOLINE INSTANT OIL CHANGE 2020
Address: 955 JEFFERSON ROAD
Locality: ROCHESTER
State: NY
Zipcode: 14623
County: MONROE

Owner(s) Information

Facility Owner: VALVOLINE, DIVISION OF ASHLAND INC.
 3499 BLAZER PARKWAY . LEXINGTON, KY. 40509
Mail Contact: VALVOLINE INSTANT OIL CHANGE
 3499 BLAZER PARKWAY . LEXINGTON, KY. 40509

Tank Information

7 Tanks Found

Tank No	Tank Location	Status	Capacity (Gal.)
001	Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)	In Service	275
002	Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)	In Service	275
003	Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)	In Service	275
004	Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)	In Service	275
005	Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)	In Service	500
006	Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)	In Service	500
007	Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)	In Service	500

[Refine Current Search](#)



Bulk Storage Database Search Details

Tank Information

[Next Tank](#)[Last Tank](#)

Site No: 8-600345

Site Name: VALVOLINE INSTANT OIL CHANGE 2020

Tank No: 001

Tank Location: Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)

Tank Status: In Service

Tank Install Date: 08/28/2007

Tank Closed Date:

Tank Capacity: 275 gal.

Product Stored: Motor Oil

Percentage: 100%

Tank Type: 01 - Steel/Carbon Steel/Iron

Tank Internal Protection: None

Tank External Protection: Painted/Asphalt Coating

Tank Secondary Containment: Diking (Aboveground)

Tank Leak Detection: None

Overfill: Product Level Gauge (A/G)

Spill Prevention: None

Dispenser: Suction Dispenser

Pipe Location: Aboveground

Pipe Type: Steel/Carbon Steel/Iron

Pipe External Protection: None

Piping Secondary Containment: Diking (Aboveground)

Piping Leak Detection: None

Tank Next Test Due:

Tank Last Test:

Tank Test Method: Testing Not Required

[Refine Current Search](#)

[Back to Facility Info](#)



Bulk Storage Database Search Details

Tank Information

[First Tank](#)[Previous Tank](#)[Next Tank](#)[Last Tank](#)

Site No: 8-600345

Site Name: VALVOLINE INSTANT OIL CHANGE 2020

Tank No: 002

Tank Location: Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)

Tank Status: In Service

Tank Install Date: 08/28/2007

Tank Closed Date:

Tank Capacity: 275 gal.

Product Stored: Motor Oil

Percentage: 100%

Tank Type: 01 - Steel/Carbon Steel/Iron

Tank Internal Protection: None

Tank External Protection: Painted/Asphalt Coating

Tank Secondary Containment: Diking (Aboveground)

Tank Leak Detection: None

Overfill: Product Level Gauge (A/G)

Spill Prevention: None

Dispenser: Suction Dispenser

Pipe Location: Aboveground

Pipe Type: Steel/Carbon Steel/Iron

Pipe External Protection: None

Piping Secondary Containment: Diking (Aboveground)

Piping Leak Detection: None

Tank Next Test Due:

Tank Last Test:

Tank Test Method: Testing Not Required

[Refine Current Search](#)

[Back to Facility Info](#)



Bulk Storage Database Search Details

Tank Information

[First Tank](#)[Previous Tank](#)[Next Tank](#)[Last Tank](#)

Site No: 8-600345

Site Name: VALVOLINE INSTANT OIL CHANGE 2020

Tank No: 003

Tank Location: Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)

Tank Status: In Service

Tank Install Date: 08/28/2007

Tank Closed Date:

Tank Capacity: 275 gal.

Product Stored: Motor Oil

Percentage: 100%

Tank Type: 01 - Steel/Carbon Steel/Iron

Tank Internal Protection: None

Tank External Protection: Painted/Asphalt Coating

Tank Secondary Containment: Diking (Aboveground)

Tank Leak Detection: None

Overfill: Product Level Gauge (A/G)

Spill Prevention: None

Dispenser: Suction Dispenser

Pipe Location: Aboveground

Pipe Type: Steel/Carbon Steel/Iron

Pipe External Protection: None

Piping Secondary Containment: Diking (Aboveground)

Piping Leak Detection: None

Tank Next Test Due:

Tank Last Test:

Tank Test Method: Testing Not Required

[Refine Current Search](#)

[Back to Facility Info](#)



Bulk Storage Database Search Details

Tank Information

[First Tank](#)[Previous Tank](#)[Next Tank](#)[Last Tank](#)

Site No: 8-600345

Site Name: VALVOLINE INSTANT OIL CHANGE 2020

Tank No: 004

Tank Location: Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)

Tank Status: In Service

Tank Install Date: 08/28/2007

Tank Closed Date:

Tank Capacity: 275 gal.

Product Stored: Lube Oil

Percentage: 100%

Tank Type: 01 - Steel/Carbon Steel/Iron

Tank Internal Protection: None

Tank External Protection: Painted/Asphalt Coating

Tank Secondary Containment: Impervious Underlayment

Tank Leak Detection: Impervious Barrier/Concrete Pad (A/G)

Overfill: Product Level Gauge (A/G)

Spill Prevention: Other

Dispenser: Suction Dispenser

Pipe Location: Aboveground

Pipe Type: Flexible Piping

Pipe External Protection: None

Piping Secondary Containment: Diking (Aboveground)

Piping Leak Detection: Other

Tank Next Test Due:

Tank Last Test:

Tank Test Method: Testing Not Required

[Refine Current Search](#)

[Back to Facility Info](#)



Bulk Storage Database Search Details

Tank Information

[First Tank](#)[Previous Tank](#)[Next Tank](#)[Last Tank](#)

Site No: 8-600345

Site Name: VALVOLINE INSTANT OIL CHANGE 2020

Tank No: 005

Tank Location: Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)

Tank Status: In Service

Tank Install Date: 10/01/1987

Tank Closed Date:

Tank Capacity: 500 gal.

Product Stored: Motor Oil

Percentage: 100%

Tank Type: 01 - Steel/Carbon Steel/Iron

Tank Internal Protection: None

Tank External Protection: Painted/Asphalt Coating

Tank Secondary Containment: Diking (Aboveground)

Tank Leak Detection: None

Overfill: Product Level Gauge (A/G)

Spill Prevention: None

Dispenser: Suction Dispenser

Pipe Location: Aboveground

Pipe Type: Steel/Carbon Steel/Iron

Pipe External Protection: None

Piping Secondary Containment: Diking (Aboveground)

Piping Leak Detection: None

Tank Next Test Due:

Tank Last Test:

Tank Test Method: Testing Not Required

[Refine Current Search](#)

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Bulk Storage Database Search Details

Tank Information

[First Tank](#)[Previous Tank](#)[Next Tank](#)[Last Tank](#)

Site No: 8-600345

Site Name: VALVOLINE INSTANT OIL CHANGE 2020

Tank No: 006

Tank Location: Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)

Tank Status: In Service

Tank Install Date: 10/01/1987

Tank Closed Date:

Tank Capacity: 500 gal.

Product Stored: Motor Oil

Percentage: 100%

Tank Type: 01 - Steel/Carbon Steel/Iron

Tank Internal Protection: None

Tank External Protection: Painted/Asphalt Coating

Tank Secondary Containment: Diking (Aboveground)

Tank Leak Detection: None

Overfill: Product Level Gauge (A/G)

Spill Prevention: None

Dispenser: Suction Dispenser

Pipe Location: Aboveground

Pipe Type: Steel/Carbon Steel/Iron

Pipe External Protection: None

Piping Secondary Containment: Diking (Aboveground)

Piping Leak Detection: None

Tank Next Test Due:

Tank Last Test:

Tank Test Method: Testing Not Required

[Refine Current Search](#)

[Back to Facility Info](#)



Bulk Storage Database Search Details

Tank Information

[First Tank](#)[Previous Tank](#)

Site No: 8-600345

Site Name: VALVOLINE INSTANT OIL CHANGE 2020

Tank No: 007

Tank Location: Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)

Tank Status: In Service

Tank Install Date: 10/01/1987

Tank Closed Date:

Tank Capacity: 500 gal.

Product Stored: Waste Oil/Used Oil

Percentage: 100%

Tank Type: 01 - Steel/Carbon Steel/Iron

Tank Internal Protection: None

Tank External Protection: Painted/Asphalt Coating

Tank Secondary Containment: Diking (Aboveground)

Tank Leak Detection: None

Overfill: Product Level Gauge (A/G)

Spill Prevention: None

Dispenser: Gravity

Pipe Location: Aboveground

Pipe Type: Steel/Carbon Steel/Iron

Pipe External Protection: None

Piping Secondary Containment: Diking (Aboveground)

Piping Leak Detection: None

Tank Next Test Due:

Tank Last Test:

Tank Test Method: Testing Not Required

[Refine Current Search](#)

[Back to Facility Info](#)



NYSDEC SPILL REPORT FORM



DEC REGION:	8	SPILL NUMBER:	0485297
SPILL NAME:	CORNER OF ROUTE 15A AND WILD BRIAR	DEC LEAD:	CAHETTEN
SPILL DATE:	12/09/2004	SPILL TIME:	3:00 pm
CALL RECEIVED DATE:	12/09/2004	RECEIVED TIME:	4:20 pm

SPILL LOCATION

PLACE:	CORNER OF ROUTE 15A AND WILD BRIAR	COUNTY:	Monroe
STREET:	ROUTE 15A	TOWN/CITY:	Henrietta
		COMMUNITY:	HENRIETTA
CONTACT:	TIM SEELER	CONTACT PHONE:	(585) 734-9740
CONT. FACTOR:	Unknown	SPILL REPORTED BY:	Other
FACILITY TYPE:	Gasoline Station	WATERBODY:	

CALLER REMARKS:

WHILE PERFORMING A TEST PIT INVESTIGATION, PETROLEUM WAS ENCOUNTERED ON THE GROUNDWATER. A PHASE I INVESTIGATION HAD INDICATED THE SITE WAS A FORMER GASOLINE STATION.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
UNKNOWN PETROLEUM	Petroleum		0 G	Soil,
UNKNOWN PETROLEUM	Petroleum		0 G	GW,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
JAMES ANDREWS	NY	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
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DEC REMARKS:

12/9/04: SEELER STATES THE SITE WAS A FORMER GAS STATION LOCATED ADJACENT TO ROUTE 390 JUST SOUTH OF THE ROUTE 390 RAMP. THEY HAD DONE A PREVIOUS INVESTIGATION AND FOUND BTEX CONTAMINATION AT THE FRONT OF THE PROPERTY WHERE THEY BELIEVE THE DISPENSER ISLANDS WERE LOCATED. IN A TEST PIT INVESTIGATION PERFORMED TODAY, WASTE OIL OR FUEL OIL WAS ENCOUNTERED FLOATING ON THE GROUNDWATER, WHICH WAS PRESENT AT 4-5 FT. BELOW GROUND SURFACE. A SAMPLE OF THE SOIL AND GROUNDWATER WAS TAKEN. THEY WILL PUMP THE OIL OFF THE WATER TOMORROW AND PLACE IT IN DRUMS. AN INVESTIGATION AND REMEDIAL ACTION PLAN WILL BE DEVELOPED AND SUPPLIED TO THE DEPARTMENT. COPY OF SPILL FAXED TO MCHD AT 1700 HRS.

02/08/05: DEPT REVIEWS PHASE II REPORTS SUBMITTED BY SEELER FOR THE SITE. TEST PIT INVESTIGATION PERFORMED. PETROLEUM IMPACTS TO SOIL AND GROUNDWATER WERE IDENTIFIED. THE SITE WAS A FORMER GASOLINE SERVICE STATION FROM 1958 TO 1980. NO UNDERGROUND TANKS WERE ENCOUNTERED DURING THE INVESTIGATION. GROUNDWATER WAS ENCOUNTERED FROM 5 1/2 TO 9 FEET BELOW GROUND SURFACE. THE FUTURE USE OF SITE IS THE CONSTRUCTION OF AN OFFICE BUILDING WITH BASEMENT AND PARKING AREA. SEELER PROPOSES TO EXCAVATE AND DISPOSE OF THE IDENTIFIED PETROLEUM IMPACTED SOILS WITH PID READINGS OF 5PPM OR GREATER. GROUNDWATER ENCOUNTERED DURING THE REMOVAL OF IMPACTED SOILS

Created On: 12/09/2004

Date Printed: 1/13/2014

Last Updated: 03/22/2013



NYSDEC SPILL REPORT FORM



DEC REGION: 8 **SPILL NUMBER:** 0485297
SPILL NAME: CORNER OF ROUTE 15A AND WILD BRIAR **DEC LEAD:** CAHETTEN

WILL HAVE FREE PETROLEUM REMOVED BY ABSORBENT PADS. THE GROUNDWATER IS TO BE REMEDIATED THROUGH NATURAL ATTENUATION. THE EXTENT OF CONTAMINATION HAS NOT BEEN COMPLETELY IDENTIFIED. THE FOOT PRINT OF THE PROPOSED NEW CONSTRUCTION SHOULD BE SHOWN IN RELATION TO THE IDENTIFIED CONTAMINATION. IT MAY BE NECESSARY TO TREAT WATER IF A SUMP IS PLACED IN THE BASEMENT OF THE PROPOSED STRUCTURE. JOE ALBERT OF MCHD MUST APPROVE PROPOSED REMEDIATION AND CONSTRUCTION.

08/29/05: DEPT SENDS AN APPROVAL LETTER TO SEELER APPROVING THEIR RECOMMENDED REMEDIAL ACTIONS FOR THE SITE. SEELER SUBMITTED A SUMMARY REPORT AND RAP FOR THE SITE IN LETTER FORM DATED 7/25/05.

10/13/05: SEELER HAD SUBMITTED A REQUEST FOR CLOSURE BASED ON THE FACT THAT IMPACTED SOILS OUTLINED IN THE RAP HAD BEEN EXCAVATED AND DISPOSED OF AT MILL SEAT LANDFILL. APPROXIMATELY 44 TONS OF SOIL WAS DISPOSED OF PROPERLY. DEPT CANNOT ISSUE NFA LETTER DUE TO THE FACT THAT J.ALBERT OF MCHD HAD NOT BEEN KEPT APPRAISED OF THE REMEDIAL ACTION AND HIS CONCERNS OVER FUGATIVE PETROLEUM VAPORS IMPACTING PROPOSED BLDG WERE NOT ADDRESSED. ALBERT HAS REQUIRED THAT A VAPOR MITIGATION SYSTEM BE INSTALLED BENEATH THE FLOOR OF THE PROPOSED STRUCTURE AND THAT IT BE APPROVED BY AN ENGINEER. CLOSURE WILL BE GRANTED UPON THE SATISFACTION OF THE HEALTH DEPT.

03/4/13: THE DEPT RECEIVES LETTER DATED FEB 28,2013 FROM JEFF KOSMALA OF MCHD, APPROVING THE SOIL VAPOR INTRUSION SYSTEM INSTALLED BENEATH THE BUILDING CONSTRUCTED AT 20 WILDBRIAR ROAD. SEELER ENGINEERING PROVIDED THE COUNTY HEALTH DEPT WITH PLAN DRAWINGS AND SYSTEM NEGATIVE PRESSURE TEST RESULTS AS ORIGINALLY REQUESTED BY JOE ALBERT OF THE HEALTH DEPT. KOSMALA APPROVES THE VAPOR INTRUSION SYSTEM, THUS SATISFYING ALL REMEDIAL WORK REQUESTED BY THE NYSDEC AND MCHD. NO FURTHER ACTIONS ARE REQUIRED, THE SPILL WILL BE CLOSED. CLOSURE LETTER FORWARDED TO SEELER.

03/19/13 CLOSURE LETTER ISSUED. PAPER FILE REMOVED PER FILE RETENTION POLICY.

PIN

T & A

COST CENTER

CLASS: B3 **CLOSE DATE:** 03/19/2013 **MEETS STANDARDS:** False



NYSDEC SPILL REPORT FORM



DEC REGION:	8	SPILL NUMBER:	0508296
SPILL NAME:	WEGMANS	DEC LEAD:	CAHETTEN
SPILL DATE:	10/11/2005	SPILL TIME:	10:00 pm
CALL RECEIVED DATE:	10/11/2005	RECEIVED TIME:	10:32 pm

SPILL LOCATION

PLACE:	WEGMANS	COUNTY:	Monroe
STREET:	330 CLAY ROAD	TOWN/CITY:	Henrietta
		COMMUNITY:	HENRIETTA
CONTACT:	SUSIE RONCONE	CONTACT PHONE:	(585) 429-3583

CONT. FACTOR:	Tank Failure	SPILL REPORTED BY:	Other
FACILITY TYPE:	Commercial Vehicle	WATERBODY:	

CALLER REMARKS:

A REFRIGERATION UNIT TANK LEAKED 6 GALLONS OF DIESEL TO THE GROUND. MARCOR WILL BE RESPONDING FOR CLEANUP. FAXED TO MCHD ON 10/12/05 AT 1220 HRS.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
Diesel	Petroleum	6 G	0 G	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
WEGMANS FOOD MARKETS INC	1500 BROOKS AVENUE ROCHESTER NY 14603	SUSIE RONCONE
		585-464-4742

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
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DEC REMARKS:

10/12/05: CH TELCON WITH RONCONE OF WEGMANS. A TANK LEAK OCCURRED ON A REFRIGERATION UNIT TANK. THE AMOUNT WAS DETERMINED BY THE SIZE OF THE TANK AND THE AMOUNT OF FUEL ON THE PAVEMENT. SPILL WAS CONTAINED WITH SPEEDY DRY AND A CONTAINER PLACED UNDER THE TANK TO CATCH THE REMAINING FUEL. MARCOR RESPONDED AND CLEANED UP AND DISPOSED OF THE SPEEDY DRY. NO FURTHER ACTION IS NEEDED BY SPILLS.

PIN

T & A

COST CENTER

CLASS:	D4	CLOSE DATE:	10/12/2005	MEETS STANDARDS:	True
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Created On: 10/12/2005

Date Printed: 1/13/2014

Last Updated: 10/20/2005



NYSDEC SPILL REPORT FORM



DEC REGION:	8	SPILL NUMBER:	0702502
SPILL NAME:	GETINGE SITE	DEC LEAD:	tghall
SPILL DATE:	05/29/2007	SPILL TIME:	9:00 am
CALL RECEIVED DATE:	05/30/2007	RECEIVED TIME:	4:43 pm

SPILL LOCATION

PLACE:	GETINGE SITE	COUNTY:	Monroe
STREET:	1777 EAST HENRIETTA RD	TOWN/CITY:	Henrietta
		COMMUNITY:	HENRIETTA
CONTACT:	SCOT LESNICK	CONTACT PHONE:	(585) 272-5280

CONT. FACTOR:	Deliberate	SPILL REPORTED BY:	Responsible Party
FACILITY TYPE:	Commercial/Industrial	WATERBODY:	

CALLER REMARKS:

APPEARS TO BE TAMPERED WITH OVER THE WEEKEND; CASE FILED WITH MONROE COUNTY SHERIFFS; MOSTLY ON PAVEMENT; KITTY LITTER APPLIED TO HELP CONTAIN AND CLEAN;

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
Diesel	Petroleum		0 G	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
GETINGE SITE	1777 EAST HENRIETTA RD RODCHESTER NY	SCOT LESNICK
		(585) 272-5280

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
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DEC REMARKS:

05/31/2007: HALL INSPECTS SITE. CLEANUP COMPLETE. SPENT SORBENT DISPOSED OF IN COMMERCIAL DUMPSTER. REPORT FAXED TO MCHD 1005 HRS. NO FURTHER ACTION REQUIRED BY SPILLS UNIT AT THIS TIME-CLOSED.

PIN

T & A

COST CENTER

CLASS:	C3	CLOSE DATE:	06/05/2007	MEETS STANDARDS:	True
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NYSDEC SPILL REPORT FORM



DEC REGION:	8	SPILL NUMBER:	1003672
SPILL NAME:	FORMER HARRIS GARDEN	DEC LEAD:	PRMILLER
SPILL DATE:	07/02/2010	SPILL TIME:	12:00 pm
CALL RECEIVED DATE:	07/02/2010	RECEIVED TIME:	2:41 pm

SPILL LOCATION

PLACE:	FORMER HARRIS GARDEN	COUNTY:	Monroe
STREET:	999 JEFFERSON ROAD	TOWN/CITY:	Henrietta
		COMMUNITY:	HENRIETTA
CONTACT:	BILL MULLIGAN	CONTACT PHONE:	(585) 424-4600
CONT. FACTOR:	Unknown	SPILL REPORTED BY:	Other
FACILITY TYPE:	Commercial/Industrial	WATERBODY:	

CALLER REMARKS:

AFTER INSTALLING MONITORING WELLS, SAMPLES OF WATER SHOWED ELEVATED VINYL CHLORIDE AND 1,2, DICHLOROETHANE.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
VINYL CHLORIDE	Hazardous Material	0 G	0 G	GW,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
FORMER HARRIS GARDEN	999 JEFFERSON ROAD ROCHESTER NY 14623	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
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DEC REMARKS:

07/02/10 EMPIRE TO SUBMIT SITE INVESTIGATION REPORT BASED ON FINDINGS. REPORT FAXED TO MCHD AT 1424 HRS.

07/09/10 SITE INVESTIGATION REPORT RECEIVED FROM EMPIRE GEOSERVICES.

07/26/2010: REVIEWED PHASE II REPORT SUBMITTED BY EMPIRE. MINOR EXCEEDANCES OF 2 CHLORINATED COMPOUNDS DETECTED IN ONE WATER SAMPLE. NO ACTION APPEARS NECESSARY AT THIS TIME AND REPORT FORWARDED TO HWR FOR EVALUATION.

PIN

T & A

COST CENTER

CLASS: B5 CLOSE DATE: 07/26/2010 MEETS STANDARDS: False

Created On: 07/02/2010

Date Printed: 1/13/2014

Last Updated: 07/26/2010



NYSDEC SPILL REPORT FORM



DEC REGION:	8	SPILL NUMBER:	8906856
SPILL NAME:	JEFFERSON ROAD & ROUTE 15	DEC LEAD:	CAHETTEN
SPILL DATE:	10/12/1989	SPILL TIME:	1:15 pm
CALL RECEIVED DATE:	10/12/1989	RECEIVED TIME:	1:30 pm

SPILL LOCATION

PLACE:	JEFFERSON ROAD & ROUTE 15	COUNTY:	Monroe
STREET:	JEFFERSON RD & HENRIETTA	TOWN/CITY:	Henrietta
		COMMUNITY:	HENRIETTA
CONTACT:		CONTACT PHONE:	

CONT. FACTOR:	Unknown	SPILL REPORTED BY:	Fire Department
FACILITY TYPE:	Unknown	WATERBODY:	

CALLER REMARKS:

SPILL OF OIL AT INTERSECTION BY UNKNOWN VEHICLE 20' X 30' AREA.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
Motor Oil	Petroleum	0	0	Soil,
Waste Oil/Used Oil	Petroleum	10 G	0 G	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
UNKNOWN	NY	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
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DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CH"
10/12/89: 10/12/89 OIL IS BEING PICKED UP W/KITTY LITTER BY FIRE DEPT. NO RESPONSE NECESSARY.

PIN

T & A

COST CENTER

CLASS:	CLOSE DATE:	10/12/1989	MEETS STANDARDS:	True
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NYSDEC SPILL REPORT FORM



DEC REGION:	8	SPILL NUMBER:	9204332
SPILL NAME:	ROUTE 15A & ROUTE 252	DEC LEAD:	JRMARCHI
SPILL DATE:	07/12/1992	SPILL TIME:	6:43 pm
CALL RECEIVED DATE:	07/12/1992	RECEIVED TIME:	6:45 pm

SPILL LOCATION

PLACE:	ROUTE 15A & ROUTE 252	COUNTY:	Monroe
STREET:	ROUTE 15A & ROUTE 252	TOWN/CITY:	Henrietta
		COMMUNITY:	HENRIETTA
CONTACT:		CONTACT PHONE:	
CONT. FACTOR:	Unknown	SPILL REPORTED BY:	Fire Department
FACILITY TYPE:	Unknown	WATERBODY:	

CALLER REMARKS:

FIRE DEPT REPORT THAT OIL SLICK ON DRAINAGE POND LOCATED AT INTERSECTION OF RT 15A & RT 252.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
UNKNOWN PETROLEUM	Petroleum	0 G	0 G	SW,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
UNKNOWN	NY	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
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DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "JM"

07/12/92: FIRE DEPT ON SCENE. NO SOURCE IDENTIFIED. NO ODORS IN STORM SEWERS. JM TO FOLLOW-UP.

07/13/92: JM ON SITE; SLIGHT SHEEN ON WATER IN DITCH. NO RECOVERABLE PETROLEUM. NO CLEANUP NECESSARY.

7/27/92: B.ASHMAN STATES NO PRODUCT HAD BEEN DISPLACED FROM TANKS.

7/27/92 PROD STATES THEY DEWATERED EXCAVATION AND STAGED WATER IN SKID TANK, WATER REMAINS IN TANKS TO DATE.

02/08/06: PAPER FILE REMOVED PER FILE RETENTION POLICY.

PIN

T & A

COST CENTER

CLASS: D6 CLOSE DATE: 07/13/1992 MEETS STANDARDS: True

Created On: 07/16/1992

Date Printed: 1/13/2014

Last Updated: 02/08/2006



NYSDEC SPILL REPORT FORM



DEC REGION:	8	SPILL NUMBER:	9313918
SPILL NAME:	M D T CASTLE COMPANY	DEC LEAD:	TPWALSH
SPILL DATE:	02/25/1994	SPILL TIME:	5:00 am
CALL RECEIVED DATE:	02/25/1994	RECEIVED TIME:	5:57 am

SPILL LOCATION

PLACE:	M D T CASTLE COMPANY	COUNTY:	Monroe
STREET:	1777 EAST HENRIETTA ROAD	TOWN/CITY:	Henrietta
		COMMUNITY:	HENRIETTA
CONTACT:		CONTACT PHONE:	

CONT. FACTOR:	Equipment Failure	SPILL REPORTED BY:	Fire Department
FACILITY TYPE:	Commercial/Industrial	WATERBODY:	

CALLER REMARKS:

3129 EAST HENRIETTA RD COMMAND POST; 2 DEPUTY SHERIFFS WERE OVERCOME UPON ENTERING BLDG TO INVESTIGATE BURGLER ALAM. HAZMAT TEAM & GIZZI OF MCHD RESPONDED. UNKNOWN AMT OF 12% ETHYLENE OXIDE WAS LOST.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
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POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
M D T CASTLE COMPANY	1777 EAST HENRIETTA ROAD HENRIETTA NY	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
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DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TW"

02/25/94: HAZMAT TEAM FOUND NO MEASURABLE AMOUNT OF MATERIAL IN AIR. IT HAD DISIPATED. NO RESPONSE NEEDED BY NYSDEC. DEPUTIES TREATED & RELEASED.

09/28/95: This is additional information about material spilled from the translation of the old spill file: ETHYLENE OXIDE 12%.

12/08/95 NO CLEANUP NEEDED. NO FURTHER ACTION REQUIRED AT THIS TIME.

02/08/06: PAPER FILE REMOVED PER FILE RETENTION POLICY.

PIN

T & A

COST CENTER

Created On: 02/28/1994

Date Printed: 1/13/2014

Last Updated: 02/08/2006



NYSDEC SPILL REPORT FORM



DEC REGION:	<u>8</u>	SPILL NUMBER:	<u>9313918</u>
SPILL NAME:	<u>M D T CASTLE COMPANY</u>	DEC LEAD:	<u>TPWALSH</u>
CLASS:	A3	CLOSE DATE:	12/08/1995
		MEETS STANDARDS:	True



NYSDEC SPILL REPORT FORM



DEC REGION:	8	SPILL NUMBER:	9870586
SPILL NAME:	JEFFERSON ROAD NEAR 15A	DEC LEAD:	JRMARCHI
SPILL DATE:	03/18/1999	SPILL TIME:	2:00 pm
CALL RECEIVED DATE:	03/18/1999	RECEIVED TIME:	2:30 pm

SPILL LOCATION

PLACE:	JEFFERSON ROAD NEAR 15A	COUNTY:	Monroe
STREET:	JEFFERSON ROAD NEAR 15A	TOWN/CITY:	Henrietta
		COMMUNITY:	HENRIETTA
CONTACT:		CONTACT PHONE:	

CONT. FACTOR:	Unknown	SPILL REPORTED BY:	Local Agency
FACILITY TYPE:	Unknown	WATERBODY:	

CALLER REMARKS:

DOT WAS UNPLUGGING A DROP INLET IN FRONT OF JEFFERSON ROAD. WATER COMING FROM THE DROP INLET HAD SOME PETROLEUM ON THE SURFACE. UNKNOWN AS TO THE AMOUNT OF PETROLEUM. DOT IS IN THE PROCESS OF STOPPING THE FLOOD OF WATER. FAXED TO MCHD ON 03/19/99 AT 1500 HRS.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
UNKNOWN PETROLEUM	Petroleum	0 G	0 G	SW,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
UNKNOWN	NY	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
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DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "JM"
JM SPOKE TO MARK LESZCZYNSKI OF THE MONROE COUNT HEALTH DEPT. HE IS TO RESPOND TO EVALUATE THE AMOUNT OF PETROLEUM AND THE NEED FOR A CLEANUP.

10/03/2001 BASED ON REVIEW OF DATABASE, NO FURTHER ACTION IS NEEDED BY SPILLS.

03/28/08: PAPER FILE REMOVED PER FILE RETENTION POLICY.

PIN

T & A

COST CENTER

CLASS:	C1	CLOSE DATE:	10/03/2001	MEETS STANDARDS:	False
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Created On: 03/18/1999

Date Printed: 1/13/2014

Last Updated: 03/28/2008



NYSDEC SPILL REPORT FORM



DEC REGION:	8	SPILL NUMBER:	9970416
SPILL NAME:	JEFFERSON/HENRIETTA ASSOC	DEC LEAD:	TPWALSH
SPILL DATE:	10/07/1999	SPILL TIME:	8:00 am
CALL RECEIVED DATE:	10/07/1999	RECEIVED TIME:	11:49 am

SPILL LOCATION

PLACE:	JEFFERSON/HENRIETTA ASSOC	COUNTY:	Monroe
STREET:	EAST HENRIETTA/JEFFERSON	TOWN/CITY:	Henrietta
		COMMUNITY:	HENRIETTA
CONTACT:	DAVID DWORKIN	CONTACT PHONE:	(716) 244-3575

CONT. FACTOR:	Unknown	SPILL REPORTED BY:	Other
FACILITY TYPE:	Commercial/Industrial	WATERBODY:	

CALLER REMARKS:

WHILE DIGGING FOR FOOTING TRENCH,, CONTAMINATED SOILS WERE ENCOUNTERED. LABELLA TO DIG TEST HOLE AND DELINEATE SPILL. FAXED TO MCHD ON 10/07/1999 AT 1203 HRS.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
Gasoline	Petroleum	0 G	0 G	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
JEFFERSON/HENRIETTA ASSOC	850 CLINTON SQUARE ROCHESTER NY 14604-	DAVID DWORKIN
		(716) 244-3575

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
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DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TW"

3/25/05: DD/TW FILE AND DATABASE REVIEW. CONTAMINATED SOIL WAS REMOVED AND STOCKPILED; TREATED IN BIOCELL. SUBSURFACE CLOSURE SAMPLES ACCEPTABLE, AS WELL AS BIOCELL POST-TREATMENT SAMPLES. DEC LETTER DATED 5/7/2004 GIVING PERMISSION TO TAKE TREATED SOIL OFF THE PROPERTY. DD CONTACTED GREG SENEAL AT LABELLA ASSOCIATES (585-454-6110); ALL OF SOIL HAS BEEN TAKEN OFF-SITE. HE THOUGHT DEC MAY HAVE ISSUED A NO FURTHER ACTION LETTER (LETTER NOT FOUND IN FILE BY DD). NO FURTHER ACTIONS REQUIRED BY SPILLS AT THIS TIME - SPILL FILE CLOSED.

02/27/08: PAPER FILE REMOVED PER FILE RETENTION POLICY.

PIN

T & A

COST CENTER

CLASS:	B3	CLOSE DATE:	03/25/2005	MEETS STANDARDS:	False
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Created On: 10/07/1999

Date Printed: 1/13/2014

Last Updated: 02/27/2008



NYSDEC SPILL REPORT FORM



DEC REGION:	8	SPILL NUMBER:	0470062
SPILL NAME:	HOLIDOME	DEC LEAD:	JRMARCHI
SPILL DATE:	05/09/2004	SPILL TIME:	10:00 am
CALL RECEIVED DATE:	05/09/2004	RECEIVED TIME:	11:30 am

SPILL LOCATION

PLACE:	HOLIDOME	COUNTY:	Monroe
STREET:	1111 JEFFERSON ROAD	TOWN/CITY:	Henrietta
		COMMUNITY:	HENRIETTA
CONTACT:		CONTACT PHONE:	(585) 475-1510

CONT. FACTOR:	Human Error	SPILL REPORTED BY:	Health Department
FACILITY TYPE:	Commercial/Industrial	WATERBODY:	

CALLER REMARKS:

WHEN MIXING CHEMICALS TO WHIRLPOOL, MATERIALS Began to Fume. THE LOCAL FIRE DEPARTMENT RESPONDED. ONE PERSON WAS IMPACTED. JM SPOKE TO CHRIS MAUER OF MCHD. THE ROOM IS BEING VENTED, AND THE POOL IS BEING DRAINED. WILL BE FILLED AND DRAINED AGAIN. NO FURTHER ACTION IS NEEDED BY SPILLS. FAXED TO MCHD ON 05/10/2004 AT 0954 HRS

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
HYDROGEN CHLORIDE	Hazardous Material	0 G	0 G	Air,
BROMINE	Hazardous Material	0 G	0 G	Air,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
HOLIDOME	1111 JEFFERSON ROAD HENRIETTA ZZ	(585) 475-1510

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
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DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "JM"

PIN

T & A

COST CENTER

CLASS:	C3	CLOSE DATE:	05/09/2004	MEETS STANDARDS:	False
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NYSDEC SPILL REPORT FORM



DEC REGION:	8	SPILL NUMBER:	8080714
SPILL NAME:	MONROE MUFFLER	DEC LEAD:	PCLINDEN
SPILL DATE:	07/14/1980	SPILL TIME:	3:30 pm
CALL RECEIVED DATE:	07/14/1980	RECEIVED TIME:	3:30 pm

SPILL LOCATION

PLACE:	MONROE MUFFLER	COUNTY:	Monroe
STREET:	ROUTE 15A & JEFFERSON RD	TOWN/CITY:	Henrietta
		COMMUNITY:	HENRIETTA
CONTACT:		CONTACT PHONE:	

CONT. FACTOR:	Unknown	SPILL REPORTED BY:	Citizen
FACILITY TYPE:	Unknown	WATERBODY:	ROADSIDE DITCH

CALLER REMARKS:

UNKNOWN TRACTOR PARKING OVERNIGHT AT LOT LEAKED 25 GALLONS OF DIESEL ONTO FRONT OF LOT INTO DITCH. ABOUT 100' DITCH BLACKENED.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
Diesel	Petroleum	25 G	0 G	Air,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
	Update ZZ	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
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DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead DEC Field was "PL"
PER INSPECTION OF ANDY SMITH DOT IN FRONT OF JOE'S TIRE MART NO OIL OR OIL FILM WAS VISABALE AT THAT TIME, SPOT ON PAVEMENT & SOME DEAD GRASS.

02/01/06 PAPER FILE REMOVED PER FILE RETENTION POLICY.

<u>PIN</u>	<u>T & A</u>	<u>COST CENTER</u>
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CLASS:	C3	CLOSE DATE:	07/22/1980	MEETS STANDARDS:	True
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NYSDEC SPILL REPORT FORM



DEC REGION:	8	SPILL NUMBER:	8300354
SPILL NAME:	ROUTE 15A & JEFFERSON RD	DEC LEAD:	PCLINDEN
SPILL DATE:	05/17/1983	SPILL TIME:	12:05 pm
CALL RECEIVED DATE:	05/18/1983	RECEIVED TIME:	10:00 am

SPILL LOCATION

PLACE:	ROUTE 15A & JEFFERSON RD	COUNTY:	Monroe
STREET:	ROUTE 15A & JEFFERSON RD	TOWN/CITY:	Henrietta
		COMMUNITY:	HENRIETTA
CONTACT:		CONTACT PHONE:	

CONT. FACTOR:	Unknown	SPILL REPORTED BY:	Citizen
FACILITY TYPE:	Unknown	WATERBODY:	

CALLER REMARKS:

DRAINAGE DITCH AT JUNCTION OF ROUTE 15A AND JEFFERSON ROAD HAS OIL AND WASTEWATER POOLED AT OUTFALL OF THREE STORM SEWERS. SOURCE OF SPILL IS UNKNOWN. PROBLEM HAS BEEN PERIODIC OF THE YEARS - COULD BE ANYTHING FROM PARKING LOT RUNOFF TO FLOOR DRAIN DISCHARGES FROM LARGE AREA.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
Waste Oil/Used Oil	Petroleum	0 G	0 G	Sewer,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
UNKNOWN	NY	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
----------	-----------	----------	-------	--------	-------------	-----------	---------------

DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "PL"
INSPECTION OF TRUCK STOPS OF AMERICAL REVEALED INOPERATIVE OIL-WATER SEPARATOR.

05/26/83 PAUL LINDENFELSER ISSUED LETTER. NO FURTHER ACTION NEEDED.

09/20/04 PAPER FILE REMOVED PER FILE RETENTION POLICY.

PIN

T & A

COST CENTER

CLASS: C3 CLOSE DATE: 06/03/1983 MEETS STANDARDS: False

Created On:

Date Printed: 1/13/2014

Last Updated: 09/20/2004

16



NYSDEC SPILL REPORT FORM



DEC REGION:	8	SPILL NUMBER:	8705509
SPILL NAME:	GRIFFITH OIL	DEC LEAD:	PCLINDEN
SPILL DATE:	09/29/1987	SPILL TIME:	12:00 pm
CALL RECEIVED DATE:	09/30/1987	RECEIVED TIME:	8:50 am

SPILL LOCATION

PLACE:	GRIFFITH OIL	COUNTY:	Monroe
STREET:	ROUTE 15A & JEFFERSON RD	TOWN/CITY:	Henrietta
		COMMUNITY:	HENRIETTA
CONTACT:		CONTACT PHONE:	

CONT. FACTOR:	Tank Overfill	SPILL REPORTED BY:	DEC
FACILITY TYPE:	Commercial/Industrial	WATERBODY:	

CALLER REMARKS:

SUSPECT OVERFILL OF UNDERGROUND TANK LEADING APPARENTLY TO SPRAYING OF DIESEL FUEL FROM VENT ONTO DOWNWIND VEHICLES.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
Diesel	Petroleum	5 G	0 G	GW,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
GRIFFITH OIL	NY	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
----------	-----------	----------	-------	--------	-------------	-----------	---------------

DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "PL"

// : ECO SINCLAIR FOUND 3 CARS AND 1 PICKUP SPRAYED WITH DIESEL, WET VENT PIPE AND CARS DOWNWIND.

// : ECO SINCLAIR REPORTS NO ENVIRONMENTAL CLEANUP NECESSARY ALTHOUGH SOME MIGHT BE REQUIRED OF CARS.

PIN

T & A

COST CENTER

CLASS:	CLOSE DATE:	10/27/1987	MEETS STANDARDS:	True
--------	-------------	------------	------------------	------

Created On: 09/30/1987

Date Printed: 1/13/2014

Last Updated: 10/27/1987



NYSDEC SPILL REPORT FORM



DEC REGION: 8 SPILL NUMBER: 9005293
SPILL NAME: CASTLE COMPANY DEC LEAD: MAGER
SPILL DATE: 08/13/1990 SPILL TIME: 12:10 pm
CALL RECEIVED DATE: 08/13/1990 RECEIVED TIME: 12:24 pm

SPILL LOCATION

PLACE: CASTLE COMPANY COUNTY: Monroe
STREET: EAST HENRIETTA ROAD TOWN/CITY: Henrietta
COMMUNITY: HENRIETTA
CONTACT: CONTACT PHONE:

CONT. FACTOR: Tank Failure SPILL REPORTED BY: Fire Department
FACILITY TYPE: Commercial Vehicle WATERBODY:

CALLER REMARKS:

A RED STAR EXPRESS TRACTOR TRAILER TRUCK'S SADDLE TANK LEAKED DIESEL FUEL ONTO PARKING LOT.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
Diesel	Petroleum	3 G	0 G	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
RED STAR EXPRESS	ZZ	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
----------	-----------	----------	-------	--------	-------------	-----------	---------------

DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead DEC Field was "DM"
08/13/90: FIRE DEPT PUT DOWN SPEEDI-DRI AND IS TRACKING DOWN THE TRUCK WHICH HAD LEFT THE SCENE.
02/06/06 PAPER FILE REMOVED PER FILE RETENTION POLICY.

PIN	T & A	COST CENTER
-----	-------	-------------

CLASS: C3 CLOSE DATE: 08/13/1990 MEETS STANDARDS: True

APPENDIX 2

Historical Information



1777 East Henrietta

1777 East Henrietta

Rochester, NY 14623

Inquiry Number: 3831066.1

January 15, 2014

Certified Sanborn® Map Report

Certified Sanborn® Map Report

1/15/14

Site Name:

1777 East Henrietta
1777 East Henrietta
Rochester, NY 14623

Client Name:

La Bella Associates, PC
300 State Street
Rochester, NY 14614

EDR Inquiry # 3831066.1

Contact: Danielle Kaveney



The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by La Bella Associates, PC were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: 1777 East Henrietta
Address: 1777 East Henrietta
City, State, Zip: Rochester, NY 14623
Cross Street:
P.O. # NA
Project: 214142 1777 East Henrietta
Certification # F6FD-46A6-B0C5



Sanborn® Library search results
Certification # F6FD-46A6-B0C5

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

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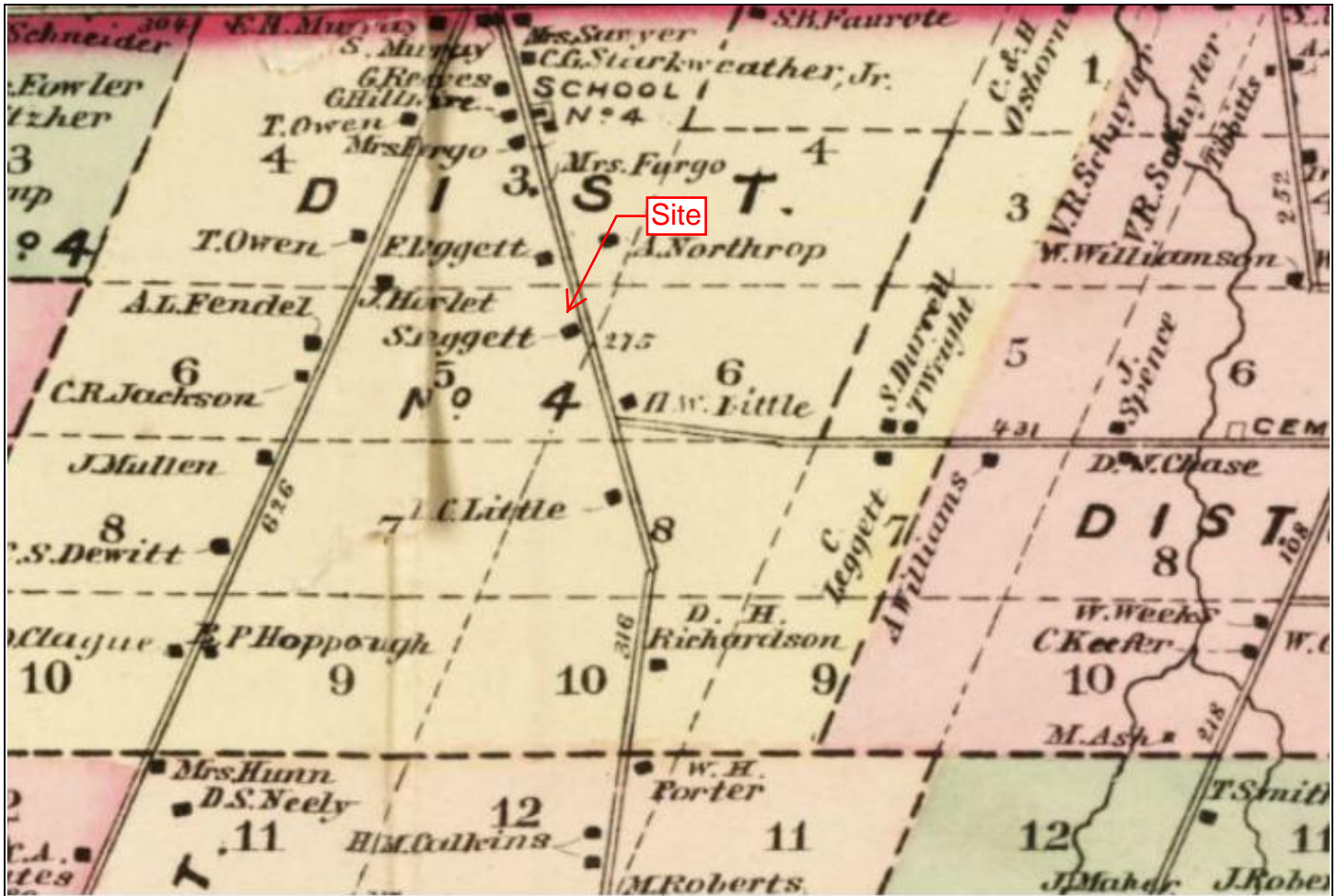
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1872 Plat Map



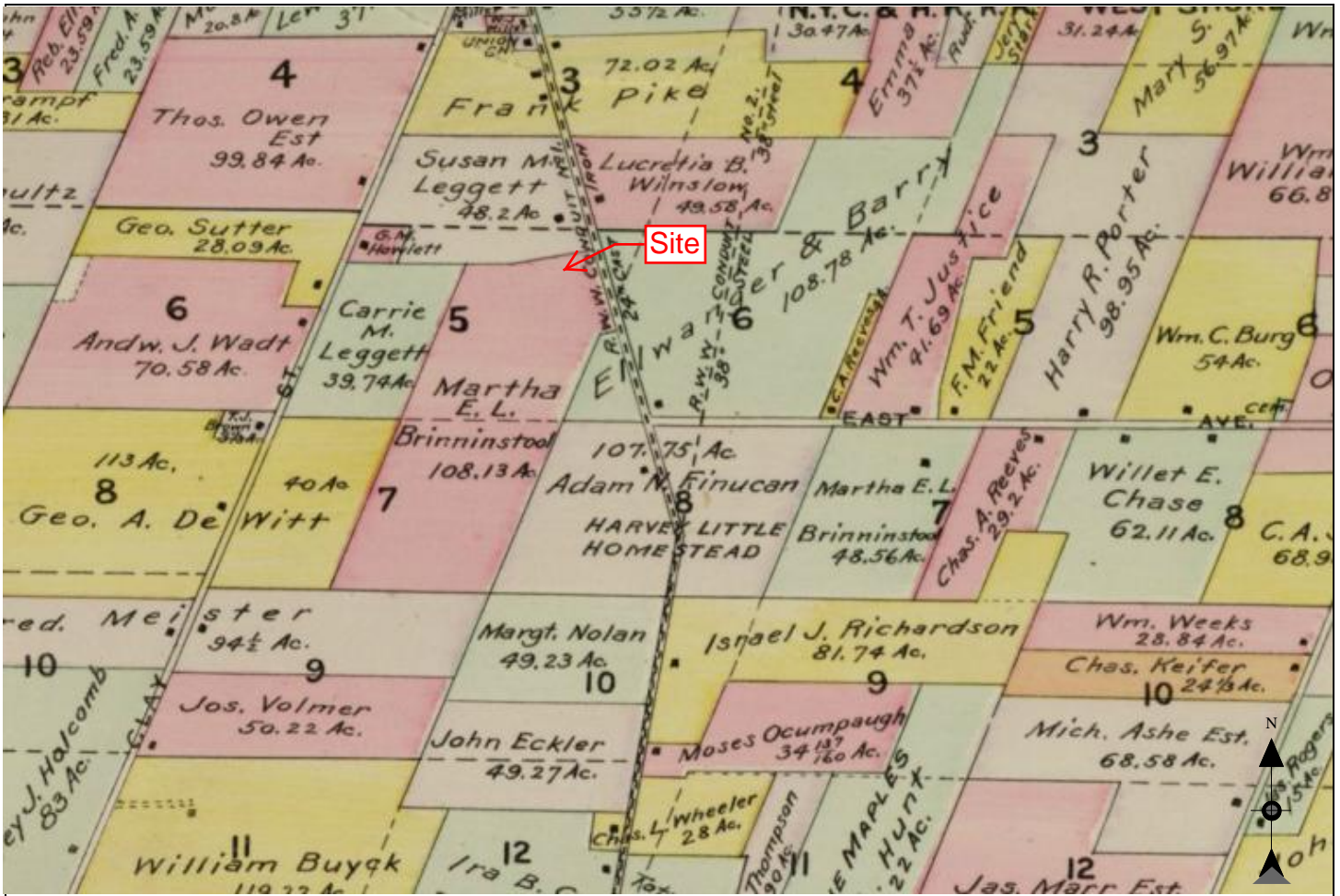
Monroe County Library

Phase I Environmental Site Assessment

1777 East Henrietta Road
Henrietta, New York 14623

LABELLA

1902 Plat Map



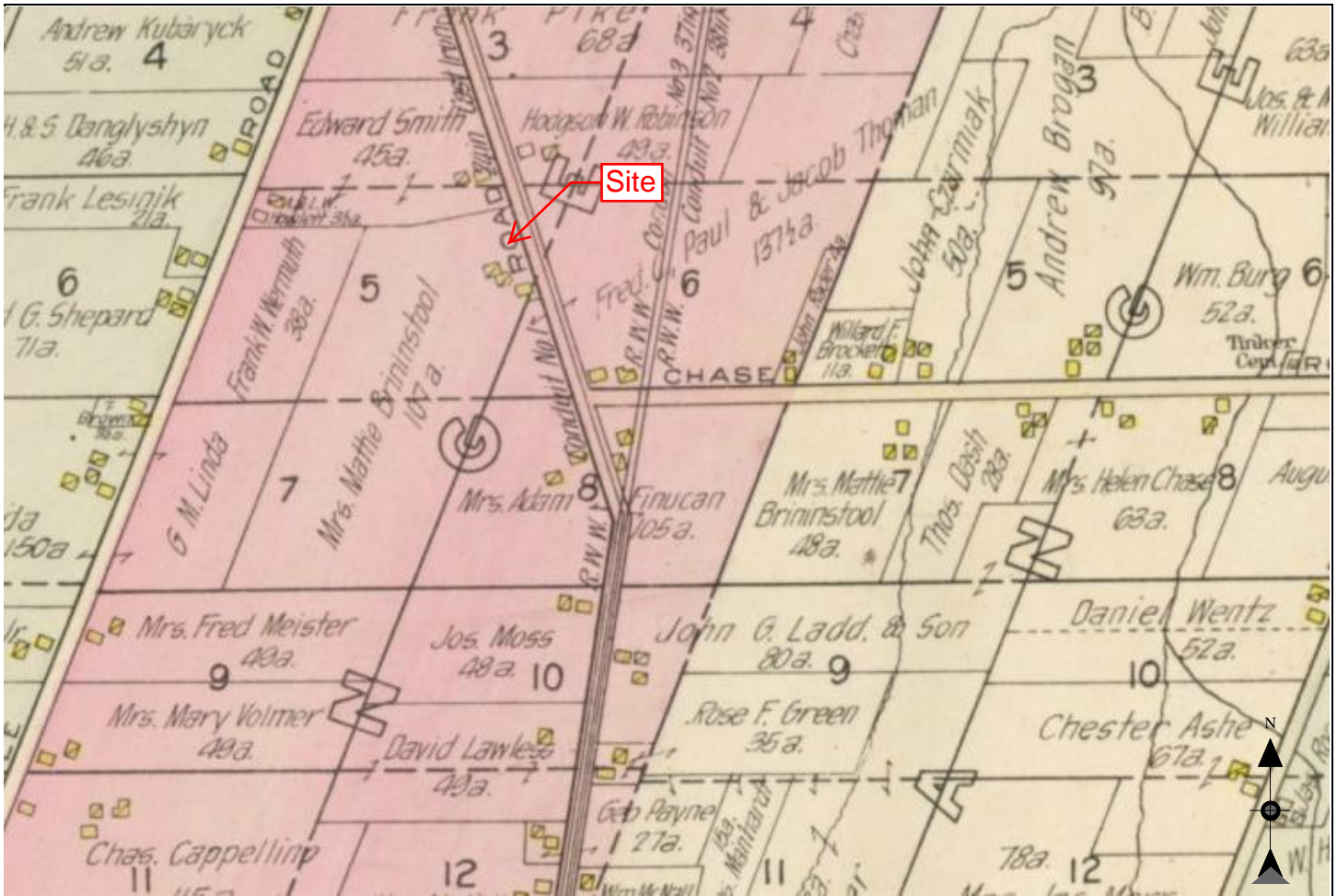
Monroe County Library

Phase I Environmental Site Assessment

1777 East Henrietta Road
Henrietta, New York 14623

ABELLA

1924 Plat Map



Monroe County Library

Phase I Environmental Site Assessment

1777 East Henrietta Road
Henrietta, New York 14623

LABELLA

2011

CHASE banks
HENRIETTA TIRE & MUFFLER auto rpr & serv
SEASONALL AUTOMOTIVE CTR auto diagnostic serv
1635 2 LOOK AH HOKAA cigar cigarette & tobacco dirs
2 VIDEO BARN video tapes discs & cassettes
3 N Y GOLD & DIAMOND gold silver & platinum-buyers
3 WINDOW SOURCE OF ROCHESTER windows
1663 EMPIRE VISION CTR INC optical goods-retail
QIN CHUAN OD optometrists od
+ JEFFERSON RD BEGINS
1777 GETINGE USA INC physicians & surgeons equip
Sheppard Frances [5]
• ZIP CODE 14623 CAR-RT C027
1900 HERITAGE CHRISTIAN SVC non-profit org
1920 CREATIVE EDGE HAIR STUDIO beauty salons
1940 Smith Danielle M
1950 - 1960 No Current Listing (2 Hses)
1970 Citron Malissa
Speranza Nita L [7] ▲
Speranza Dena
1980 Foote Clifford B III & Jean M [17] ▲
2000 Bentley Amanda E [10]
2001 LONGLEY JONES MANAGEMENT CORP apartments
4 Recktenwald Taylor
5 WEDGEWOOD WEST-RENTAL OFFICE apartments
2003 4 Lapham Kirt F III [13]
2005 1 Thao Mac
5 Bradt James G [25]
2007 2 Lupton Kellie [2]

2011

NEW NEIGHBOR
JEFFERSON RD Cont'd
941 FEDEX OFFICE PRINT & SHIP CTR business serv centers
942 BOSTON MARKET restaurants
943 SUPERCUTS beauty salons
945 SUNRISE STEAKHOUSE restaurants
950 TACO BELL restaurants
951 SHERWIN-WILLIAMS paint-retail
VERIZON WIRELESS cellular telephones
955 INSTANT OIL CHANGE auto lubrication serv
965 MONRO MUFFLER BRAKE & SVC mufflers & exhaust sys-engine
975 ROCHESTER COLLISION CTR INC auto body-rpr & painting
1000 Morcho Kenneth [5]
MALCHO'S MOBIL serv stations-gasoline & oil
1100 BATTERIES PLUS batteries-storage-retail
GUITAR CENTER musical instruments-dirs
HENRIETTA PLAZA shopping centers & malls
1 BURGER KING restaurants
3 GRAND SUPER BUFFET restaurants
4 CITIZENS BANK banks
4 FIVE GUYS BURGERS & FRIES restaurants
6 COST CUTTERS beauty salons
7 CRICKET WIRELESS cellular telephones
10 BIG LOTS variety stores
11 LIBERTY TAX SVC tax return preparation/filing
12 RADIO SHACK electronic equip/supl-retail
13 SUBWAY restaurants
16 MARKETVIEW LIQUOR liquors-retail
16 STARBUCKS coffee shops
17 SCOTT'S HALLMARK gift shops
18 NAIL STUDIO & SPA manicuring
19 BLOCKBUSTER VIDEO video tapes & discs
22 WOODCRAFT SUPPLY woodworkers
23B JOE'S BROOKLYN PIZZA pizza
25 PITA PIT restaurants
26 MOE'S SOUTHWEST GRILL restaurants
26 TOPS FRIENDLY MARKET grocers-retail
1111 DOUBLETREE hotels & motels
ZACH'S STEAK & SEAFOOD GRILLE restaurants
1175 PERKINS RESTAURANT & BAKERY restaurants
• ZIP CODE 14623 CAR-RT C004
1180 OUTBACK STEAKHOUSE restaurants
SAGE SOFTWARE HEALTHCARE INC computer software
Simpson Chad
Smith Ty
SUTHERLAND GROUP nonclassified establishments
Yohannes Thomas [3]
1200 FIRST CHOICE MEDICAL URGENT emergency minor medical
facili

2005

HENRIETTA TIRE & MUFFLER auto rpr &
GLOBAL ONE TELECOM cellular telephones
WIRELESS cellular telephones-equip/supl
SIGN-A-RAMA signs
C VIDEO BARN video tapes discs & cassettes
ATLANTA BREAD CO restaurants
• ZIP CODE 14623 CAR-RT C003
1777 GETINGE USA INC physicians & surgeons
equip
Hommel Craig J [5]
• CASTLE RD INTERSECTS
• WILDBRIAR RD INTERSECTS
• ZIP CODE 14623 CAR-RT C001
1940 - 1960 No Current Listing (3 Hses)
1970 Speranza Nita
1980 Herzog Jean
2000 Primons Octoria L
Primous Pamela M [2]
• ZIP CODE 14623 CAR-RT C003
2001 Stemer Brandon
1 - 3 No Current Listing (3 Apts)
4 Dickens Janet M [5]
5 WEDGEWOOD WEST-RENTAL OFFICE
apartments
6 No Current Listing
7

2005

939 LINCARE oxygen
940 ECONO LODGE hotels & motels
941 FED EX KINKO'S OFC & PRINT CTR printers
942 BOSTON MARKET restaurants
DUNKIN DONUTS bagels
943 SUPERCUTS beauty salons
945 HOOTERS restaurants
950 TACO BELL restaurants
UNITED AUTO RECYCLING junk-dirs
951 FRONTIER CELLULAR cellular telephones
SHERWIN-WILLIAMS PAINTS paint-retail
VERIZON WIRELESS cellular telephones
955 INSTANT OIL CHANGE auto lubrication serv
VALVOLINE INSTANT OIL CHANGE auto rpr
& serv
965 MONRO MUFFLER BRAKE & SVC auto rpr &
serv
975 GRAPHIC SHOP graphic designers
INSTALLSHOP auto customizing
ROCHESTER AUTO ACCESSORIES auto
customizing
ROCHESTER COLLISION CTR INC auto
body-rpr & painting
999 HARRIS GARDEN CTR garden centers
1000 LARRY'S MOBIL MART serv stations-
gasoline & oil
Scalone Lawrence
• E HENRIETTA RD INTERSECTS
1100 BIG LOTS retail shops
BLOCKBUSTER VIDEO video tapes & discs
BURGER KING restaurants
CINGULAR WIRELESS cellular telephones
COST CUTTERS FAMILY HAIR CARE
beauty salons
Grove Laurie A [2]
GUITAR CENTER musical instruments-dirs
LA WEIGHT LOSS CTR
establishments
L V NAILS manicuring
MUXWORTHY OUTDOOR
furniture-outdoor
PAUL'S TEACHERS PE
materials
PERINTON DANCE CO
PROFESSIONAL SKILL
ROYAL BEAUTY SUPP
equip/supl
SHUJZ shoes-retail
SKI CO MOUNTAIN SF
retail
SMALL WONDER'S cor
SPY OUTLET investig
TILE CREATIONS BY
TULLY'S GOOD TIME
1240 BUSINESS STRATEG
newspapers
C T HORIZONS intern
CASLON & CO INC m
MCS INC nonclassifi
REKHA JAIN attorney
TCN VIRTUALTEC H
mgmt consultants
WILCOMP LLC comp
1260 MANITOU CONCRE
MANITOU CONSTRI
mixed concrete-mfrs
1270 Rossi Andrina
UNCLE BOB'S SELF
household & comme
1280 FORD RENT A CAR
GENESEE TRUCK I
lease
1300 Puderbach Nicole C
RESIDENCE INN-R
motels
1350 XEROX CORP cop
+ SAGINAW DR INTER

Phase I Environmental Site Assessment

1777 East Henrietta Road
Henrietta, New York 14623

LABELLA

2005

JEFFERSON RD

JEFFERSON RD Cont'd

721-2385
serv/supl
292-1906
ruits &
424-4010
475-0210
272-9470
retail
424-4282
rpr &
427-7770
475-9810
s-whol
272-0850
mlfrs
292-0790
s-us
424-2690
TN
424-2092
t & rug
427-0077
oriental
272-7020
LC
427-8040
27-9309
272-9408
sl
75-9020
s
92-5340
rpr
27-8290
44-5150

MARKETVIEW LIQUOR liquors-retail
OFFICE DEPOT office suppl585-427-2480
PITA PIT restaurants585-475-1040
RADIO SHACK electronic equip/supl-retail
SCOTT'S HALLMARK SHOP gift shops
STARBUCKS coffee shops585-424-2190
SUBWAY SANDWICHES & SALADS
restaurants585-424-5630
TOPS FRIENDLY MARKET grocers-retail
WOODCRAFT woodworkers585-292-9690
YANGTZE ASIAN BUFFET & BISTRO
restaurants585-427-2178
6 HOUSEHOLD FINANCE financing
1111 HOLIDAY INN ROCHESTER-SOUTH hotels
& motels585-475-1510
ZACH'S STEAK & SEAFOOD GRILLE
restaurants585-427-0416
1150 KRISPY KREME DOUGHNUTS doughnuts
RESTAURANT restaurants585-424-7370
• ZIP CODE 14623 CAR-RT C004
1175 PERKINS FAMILY RESTAURANT
restaurants585-475-1770
1180 OUTBACK STEAKHOUSE restaurants
SUTHERLAND GROUP LTD business mgmt
consultants585-586-5757
1190 STAPLES THE OFFICE SUPERSTORE
office suppl585-292-0290
+ COMMONS WAY INTERSECTS
1200 ARTHUR MURRAY DANCE STUDIO
dancing instruction585-424-4310
PARAMOUNT CORP BUILDING SVC janitor
serv585-427-2730
1225 ABBOTT'S FROZEN CUSTARD ice cream
parlors585-424-2350

2005

WILDBRIAR RD Cont'd

+ ANTOINETTE DR BEGINS

• ZIP CODE 14623 CAR-RT C022

32 BIBLICAL COUNSELING CTR counseling serv
VICTORY BAPTIST CHURCH churches
40 ARCHITECTURE UNLIMITED architects
GARDNER PLUS ARCHITECTS architects
METRIX MARKETING INC marketing
consultants
48 Zimmerlin Ann A [19] ▲585-334-4273
49 MARION SIMON RESEARCH SVC INC market
research & analysis585-359-1510
56 Williams Richard M & Sharon H [26] ▲
57 Lawrence Philemon E [7] ▲
Lawrence Sonia R
64 No Current Listing
65 Loi Cho [22] ▲585-334-8258
Loi Eric585-334-8258
72 Winters Cory J & Teresa A [8] ▲
73 Fields Cassandra C [2]
Outlaw Wilhelmen F [21] ▲585-334-0655
80 Haitz Deborah A [15] ▲
Haitz Erica A
85 Steidle Robert L & Linda K [22] ▲

1999

E HENRIETTA RD

DUXBURY DESIGN drying pit

ASSOC real est
MS CAC indivl
ymt cnsling svcs
AL INSURANCE
ckaged sftware
AN & YALE
COUNTING
supply
vm O ▲
apmnt bldg
-RT C042
SBIAN UNION
E CENTER child
NITY COLLEGE
RT C011
NET INC elec
E SYSTEMS
R cmprts periph
cmpr prgm sv

HALF DOLLAR TAVERN drinking
places
Messuro Michael
PAD BUSINESS FORMS statnry
ofc suppl
P C INNOVATIONS cmpr mnt
+ ALLIANCE DR INTERSECTS
1567 FASTENAL COMPANY indus suppl
1575 CHASE MANHATTAN BANK natl
cmmlrcl banks
1601 SEASONALL AUTOMOTIVE
CENTER auto rpr
+ JEFFERSON RD INTERSECTS
• ZIP CODE 14623 CAR-RT C021
1777 M D T CASTLE srgl appl suppl
+ CASTLE RD BEGINS
1920 BEITER ELECTRONICS electronics
Wilson Mark B ▲
+ WILDBRIAR RD BEGINS
1940 Golson Theresa M
1950 Ford Donna J
1960 Not Verified
1970 Klemenz Daniel L [2] ▲
1980 Foote Clifford B [2] ▲
2000 Duhn Curtis F
Mason Shelly A
• ZIP CODE 14623 CAR-RT C029
2001 Bowerman Francis L ▲
Garrison Michael
Lewis Jeffrey
20 Senkpiel Mark J
30 Yim Wansin
4-11 Not Verified (2 Apts)
12 Edmonds Kevin M [2]
A3-A7 Not Verified (2 Apts)
Belmont Beatrice [2] ▲

1999

IC SYSTEMS
BASS & GLAZING CORP
CONCEPTS auto rpr
PRODUCE fresh frs vegtbl
SNACK DISTRIBUTORS
K O COLLISION pnt &
REPAIR SERVICE
SHEL CHEESECAKE CO
SWEEP OF ROCHESTER
CONSTRUCTION CO
RAPERY & CARPET
COMPLETE VEHICLE
COUNCIL OF ROCHESTER
FREIGHT SERVICES frg
ADIATOR auto rpr
MARKETING OF
TER svc estblshmt
T FOODS genl whtag
NATURAL FOOD CENTER
GEAR auto rpr
Fuso
WHOLESALE BRUSH
DISTRIBUTORS medical
FOOD SERVICES pkggt
FISHING TOUCH grl &
JLY TEXTILE refuse
ER ALVIN C & SON
CREATIONS wood knep
TRANSPORT SYSTEMS
IMPROVEMENT
8111 AIR-CARE ENVIRONMENTAL
SERVICES repair svcs
BULDS TADCO/BLACK grcs rld
prds
• ZIP CODE 14623 CAR-RT C022
911 PERKINS eating places
935 216 BUJARCO CREEK STEAK
HOUSE eating places
937 HYATT'S ALL THINGS CREATED
misc rlt str
939 LINDE HOMECARE MEDICAL
SYSTEMS misc rlt str
940 ECONO LODGE ROCHESTER
SOUTH hotels & motels
941 KINKOS duplicating svcs
WESTERN NEW YORK CHAIR
CORP furniture stores
945 Aquario William J III [2]
HOOTERS OF ROCHESTER
eating places
TWO MS RESTAURANTS eating
places
950 UNITED AUTO RECYCLING refuse
systems
951 FRONTIER CELLULAR tele comm
ROCHESTER TELEPHONE misc rlt
str
UPSTATE CELLULAR NETWORK
misc rlt str
955 VALVOLINE INSTANT OIL CHANGE
auto rpr
975 Glessner Robert A Jr
999 HARRIS FLORAL florists
HARRIS JOSEPH GARDEN
CENTERS ret nrsr gdn str
1000 LARRY'S MOBIL MART grocery
stores
+ CLAY RD INTERSECTS
1100 BURGER KING eating places
FACTORY OUTLET STORE misc
aprl acy st
HAIR CRAFTERS book publishing
HENRIETTA OFFICE state commrl
banks
HENRIETTA PLAZA nsrdnt bldg
optrs
HOUSEHOLD FINANCE CORP
prnl crdt insttuts
LITTLE CAESARS PIZZA eating
places
MANDARIN CHINESE BUFFET
eating places
MARKETVIEW LIQUORS liquor
stores
RADIO SHACK electronics
SUPER SAVING CENTER
electronics
TOPS FRIENDLY MARKETS drug
store
1111 HOLIDAY INN eating places
HOLIDAY INN ROCHESTER hotels
& motels
1180 Cawthra Keith E [2]
130 LONE STAR STEAK HOUSE
steak places
HENRIETTA RD INTERSECTS

STUDIO NOUVEAU beauty shops
TANFASTIK TANNING SALON
misc prnt svcs
TULLY'S GOOD TIMES eating
places
UNION SQUARE eating places
VAN SCOY DIAMONDS jewelry
stores
VIRKING INTERNATIONAL
FURNITURE furniture stores
Wernett Tom
14 ANSWER 616 THE women's
clothing str
A-23 RIVERVIEW MORTGAGE
CORP loan brokers
• ZIP CODE 14623 CAR-RT C004
MANITOU CONSTRUCTION CO
brck str rld mtr
12700 Morrice A
SOVRAN SELF STORAGE genl
whtag
1280 GENESEE TRUCK SALES new
used car drs
Sharp George D [2]
+ RIDGELAND RD BEGINS
1300 RESIDENCE INN hotels & motels
Gonzalez William D Jr
• ZIP CODE 14623 CAR-RT C000
1335 FRONTIER GRAPHICS commrl art
gr dsq
ROCHESTER POSTAL EMPLOYEE
CREDIT UNION state credit
unions
Roper James E [2]
SERVOATION INTERNATIONAL
mgmt cnsling svcs
TRADER DICKS news drs
newsstd
U S P S govt ofc
• ZIP CODE 14623 CAR-RT C004
1350 ELECTRONIC DATA SYSTEMS
CORP comp rld svcs
Karasiewicz David J [2]
XEROX CORP repair svcs
XEROX RECREATION ASSOC
physcl ftns facils
1424 CHASE MANHATTAN BANK state
commrl banks
1425 BEAD BAZAAR wmn acy spcly at
Cooper Robert S
CREATIVE MINDS cstm crpt
prgm sv
EXCLUSIVE TRAVEL CONS travel
agcy
EXEC U TAN misc prnl svcs
F M I INTERPRETING SERVICES
help supply svcs
FIRST INVESTORS CORP
investors
FULL BELLY DELI eating places
GALLANT KENNETH ATTORNEY
AT LAW atty
H R S GENESIS II drgs prprrs
snbr

Phase I Environmental Site Assessment

1777 East Henrietta Road
Henrietta, New York 14623

LABELLA

TTSFORD)-FROM
LN SOUTHWEST
AR-RT C028

256-3913
271-5633
271-5633
241-0144
473-3690

Zaepfel Rosemary A 671-9244
 617 Natale Lisa A [2] 671-9244
 Natale Cornelia C 671-8172
 620 Dombovy Mary L 671-9913
 621 Baker Gary M [4]
 HOUSEHOLDS 8

WILDBRIAR RD (ROCHESTER)-FROM
 1938 E HENRIETTA RD
 SOUTHWEST
 ZIP CODE 14623 CAR-RT C029

32 VICTORY BAPTIST CHURCH religious
 orgs 334-8524
 40 COVENANT LIFE METRO CHURCH
 religious orgs 359-3170
 FIGENSHER STUDIO OF DANCE
 334-5610
 48 Zimmerlin Ann A [2] + 334-4273
 49 SIMON MARIAN RESEARCH
 SERVICE commrc nphys rsrch
 359-1510
 56 HEMA PUBLISHING & ASSOC book
 publishing 334-7490
 Williams Laura C [2] + 334-7697
 Williams Sharon H 334-7697
 57 Barreca Michael J
 N Pekala Joseph E
 Shaffer Christopher [2] 359-9944
 64 Not Verified
 + ANTOINETTE DR BEGINS
 65 Loi Cho [2] + 334-8258
 72 Winters Cory J 321-0061
 73 Hale Wilhelemen [2] +
 Outlaw Wilhelmenia F [2] + 334-0655
 80 DASILVA PAINTING prntng paper
 hangin 334-6418
 Haizt Louis C Jr [2] + 334-6418
 85 Steidle Robert J & Linda [2] +
 334-5788
 88 O'Neill Frank 359-2437
 96 Blankenship Mark R [2] 334-5287
 + ICE ROSE LN BEGINS
 104 Dean Kathleen B [2] + 334-3233

2 @ 223-6058 PRO TECH CLEANERS 424-2863
Vacant
1575 CHASE LINCOLN FIRST BANK
(BR)
214-A 1601 HENRIETTA SEASONAL
AUTOMOTIVE CENTER auto repr
424-1052
1635 EMPIRE TRAILWAYS INC (mtce
facility) 424-6390

ECTS
S
@ 424-6095 * JEFFERSON RD INTERSECTS 322-A
LECTRIC 1777 M D T BIOLOGIC CO-CASTLE
NO 66 BRAND human resource research
STER hotel 475-1400
344
SECTS
427-0130 * WILDBRIAR RD INTERSECTS
INTERSECTS 1900 ANDREWS JAMES D Iwyr 334-2030
ANT 424-4310 ANDREWS JAMES D real est
4-5365 broker 334-2030
r consultants * CASTLE RD INTERSECTS
1920 BEITER ELECTRONICS serv stereo
equip 334-2268
1950 Erdin Andrew [4] 334-1361
Harold Julie 334-1361
10 Reed Michael T [2]
temporary Kukul Melissa
1970 Vacant
DY 1980 Quinlan Todd & Joan [2] 334-6328
otherapist * PALAMINO DR INTERSECTS
424-4244 2000 Farmer Kenneth C & Mary [8] @
URANCE 359-1663
2001 WEDGEWOOD WEST APTS
334-4910
agency 1 Miller Christopher [3]
2*Mc Candless Todd
L 3*Bushaber Julie
lic 4 Vacant
5 RENTAL OFFICE apt rentl ofc
334-4910
YALE INC 6*Christopher Joseph
60 7*Pentz Phylis
TS 8 Stuver Thomas & Maureen [3]
MENTS 359-0013
COLLEGE 9*Taylor Jack
10 Tremblay Lynn [7] 334-7187

3 Zimmerman Wendy
 3 Tierney Dawn
 4* Paulakis Paul
 5 Coleman Paul
 6 Le Vasseur Joseph
 2019 Apartments
 1 Cavuto Mike
 2 Kinney Alan
 3 Switzer Jay
 4* Mc Candless Todd
 5 Tharrett Shawn
 2020 Vacant
 4 Kolin Gen
 5 Dunkley John
 2021 Apartments
 1 Robertson Scott
 2 Heberle Scott
 3 Vergari S
 3 Rappulla Lou
 4 De Wolf Robert
 5* Neacster Kent
 5 Kamienski Charles
 6 Battey Wm Jr
 6 Pratt Christine
 2023 Apartments
 1 Vacant
 2 Mc Cullough John & Jean
 2 Mc Cullough Marie Rose
 3 Dancer Debra
 4* Mc Intyre Steven
 5* Gering Mary
 5 Gering Terri
 6 Gallagher Pamela
 6 Gallagher Kelly
 2025 Apartments
 1 Miller Agnes
 2 Stocum Lynn
 3* Sweet Marjorie
 4 Beard Todd & Amy
 5* Schultz Patricia
 5 Lamb David
 6 Olson Stuart
 2027 Apartments
 1 Fleig Scott
 2 Vacant
 3 Mc Morrow Colleen
 3 Burrell Scott
 4* Price Michael
 5 Payne Helen
 6 Hiltner Thomas
 2029 Apartments
 1* Coletta Darlene
 2* Kaachewobbi Mark
 3* Devel Timothy
 4* Payne Martha
 5* Benoit Joseph

DISTRIBUTORS INC
 Dry goods dist 424-2630
 CAKE DECORATING
 772-8888
 GREENHOUSE specialty food
 center 456-1888
 SERVICES INC (STORAGE)
 equip & supplies & equip 292-1584
 MANN BAKERY THRIFT
 baked goods 272-0850
 TRUCKING INC bekims
 475-9440
 DISPOSAL 624-4344
 SIGHT custom wood
 AUTO GLASS 292-9950
 REGIONAL
 AUTHORITY 424-4600
 475-0210
 servs 272-1914
 AGRICULTURE
 (INSP SERV)
 TRANSPORT SYSTEMS
 DAJRY
 & DAIRY
 HLTH
 INC 424-1950
 ROOM
 NEW YORK STATE
 SORS INC 100
 OF AGRICULTURE
 SAFETY CORP
 (businesses)
 MARKETING
 SP)
 AGRICULTURE
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 44-1610
 CULTURE
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MC GRANE GLASS glass sls &
repair 272-0408
METZGER GEAR gear rebldg
272-0060
4 S & T FINISHING TOUCH
automobile painting 424-1468
3 Vacant
INTERSTATE BATTERIES (ADDL
SP)
911 PERKINS FAMILY RESTAURANT
(DIV PERK DEY CORP) 424-4460
* CLAY RD INTERSECTS
935 COCO'S CAROUSEL RESTAURANT
424-4531
937 Vacant
939 LINCARE home med care serv
424-5640
940 ECONO LODGE motel 427-2700
941 LA-Z-BOY SHOWCASE SHOPS
427-0980
943 SUPER CUTS hairstylists 475-0170
945 TWO M'S RESTAURANT 424-3190
960 Vacant
961 ROCH TELEPHONE COMMUNICATIONS
cellularphones & pagers ret 777-2920
SHERWIN-WILLIAMS CO paint ret
272-7880
965 VALVOLINE INSTANT OIL
CHANGE quick oil change for autos
427-8001
965 MONRO MUFFLER BRAKE INC
424-3630
75 R G DATA mach dlr 424-7500
99 HARRIS GARDEN CENTERS
475-1985
HARRIS FLORAL & GIFT SHOP
florist 292-0160
00 LARRY'S MOBIL MART gas sta &
store 292-0036

270

E HENRIETTA RD INTERSECTS
HENRIETTA PLAZA shopping plaza
HOMESTYLE FAMILY BUFFET
INC restr 272-8974
SHOE RACK shoe dirst ret 475-1090
JIM & CHUCK'S BOOT SHOP
western boots & accessories
272-8109
CHAMPION FACTORY OUTLET clo
475-1727
BRUMBY'S SUPPER CLUB restr
272-0215
HAIRCRAFTERS CUT & CURL
HAIR salons 427-0636

108 CONVENT
 109 1st AVENUE C
 110 AGRICULTURE MARKETING
 111 SERVICE (ADDL SP)
 112 STATE DEPT OF AGRICULTURE
 113 STATE DEPT OF AGRICULTURE
 114 (ADDL SP)
 115 STATE DEPT OF AGRICULTURE
 116 (ADDL SP)
 117 STATE DEPT OF AGRICULTURE
 118 (ADDL SP)
 119 U S D A FEDERAL-STATE
 120 MARKET NEWS 424-2690
 121 STATE DEPT OF AGRICULTURE
 122 427-0200
 123 STATE DEPT OF AGRICULTURE
 124 WORLD OF SCIENCE 475-0100
 125 YACANT
 126 YACANT
 127 3 IMPROVE FOODS 475-1750
 128 GENESSEE STAMP & STATIONARY
 129 INC rubber stamp retail & mfg
 130 424-4450
 131 KESSER AL SIDING siding 334-5631
 132 FISHOLD LIONS WHOLESALE
 133 FISH & VEGETABLES 475-1750
 134 PACKER BOAT LTD the wrought
 135 iron & tile tables 272-1912
 136 5 SENSITIVE CREATIONS kitchen
 137 cabinets 427-9003
 138 YACANT
 139 YACANT
 140 YACANT (2 Businesses)
 141 TASTA D'ORO cookies biscuits &
 142 breadsticks
 143 CHARLIE CHIPS
 144 CHARLIE BAKERS baker wholesale
 145 65-2577
 146 PALMER FOODS SERVICES
 147 424-2510
 148 INC AIR FREIGHT GARAGE
 149 FRESH PRODUCE whole prod dir
 150 654-1150
 151 BOUTIN TECHNICAL SALES
 152 INC waterproofing & sealants distr
 153 475-7250
 154 INC FOODS SALES CORP coffee serv
 155 475-4700
 156 14007
 157 15755
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1994

ZIP CODE 14534
EAST ST INTERSECTS

WILDBRIAR RD (HENRIETTA) 322-A
FROM E HENRIETTA RD SOUTH

ZIP CODE 14623
E HENRIETTA RD INTERSECTS
ANTOINETTE DR INTERSECTS

32 VICTORY BAPTIST CHURCH 334-8524
40 Vacant
48 Zimberlin John E & Ann A 9+
334-4273
Zimberlin Carol 334-4273
49 SIMON MARION RESEARCH
SERVICE INC 359-1510
56 Williams Richd M & Sharon H 9+
334-7697
57 Kheel Julian & Joelle bldg contr
359-2366
64 Vacant
65 Loi Cho & Binh 9+ 334-8258
Loi Thuan 334-8258
Loi Quan 334-8258
72 Andolina John P & Leticia 5
73 Outlaw Tonya 9+ 334-0655
Outlaw Wilhelmina F 334-0655
80 Haitz Deborah 2 334-6418
85 Steidle Robt J & Linda K 9+
334-5788
Steidle Jennifer 334-5788
Steidle Robbin 334-5788
ICE ROSE LA INTERSECTS
88 O'Neill Frank B & Brenda 5 259-2437
96 Donley Kevin C Rev & Cynthia 5
334-5287
104 Dean Joseph T & Kathleen 9+
334-3236
112 Drexler Donald A & Philomena R 9+
334-2794
113 Abbott William D & Laura R 2
344-0492
120 Schafer Joseph V & Theresa K 9+
334-4897

1989

Henrietta Tire & Muffler auto repr
serv 424-1590
1635 Empire Trailways Inc bus lines
424-6390

JEFFERSON RD INTERSECTS
1777 M D T Biologic Co-Castle Brand
research 475-1400
WILDBRIAR RD BEGINS
1900 Andrews James D atty 334-2030
Andrews James D real est broker
334-2030
CASTLE RD BEGINS
1920 Beiter Electronics serv stereo equip
334-2268
1940 White Robin 334-6266
1950 Vacant
1960★White George

1989

Genesee Valley Regional Market
Administration garage
E-Z Self-Storage
Federal Hollow Meats whol 424-0940
Brogna Produce 424-1790
Perkins Cake & Steak (Div Perk
Dev Corp) 424-4480
935 Coco's Carousel Restaurant 424-4531
937 Heath Zenith Computers equip & sups
424-2660
940 Econo Lodge motel 427-3700
941 La-Z-Boy Showcase Shoppes
427-0080
945 Two M Restaurant 424-3190
Vacant
950 Malurra Brothers Inc trks 427-0108
Idealase Inc trucking-leasing
427-0108
951 Joe's Tire Mart Inc 475-1840
955 Rapid Oil Change quick oil change
for autos 427-8001
965 Monro Muffler Brake Inc 424-3630
975 R G Engineering mach dir 424-7492
999 Harris Garden Store 475-1985
1000 Building
Transcom Inc trucking 427-0643
Vacant
Rooms
1a Vacant
2 Vacant
3 Vacant
4 Vacant
5 Vacant
6 Vacant
7 Vacant
8 Vacant
9 Vacant

E HENRIETTA RD INTERSECTS
1100 Altiers Annex Shoe Store shoe dir
ret 475-1090
Champion Factory Outlet clo
475-1727
Brunby's Supper Club restr 272-0215
Haircrafters Out & Curl Beauty
Salon 427-9536
Radio Shack elec equip 424-1428
Household Finance Corp 475-1590
Kiddle City toy store 272-1394
Zayre Dept Store 427-9062
Cafe Elise restr 424-4686
French Confections bkry 424-3719
Grassroots Shoe Store 475-1322
Lewards Craft Bazaar craft ret
272-9310
Top's Friendly Markets 427-9980
First Federal Savings & Loan Assn
272-8670
Burger King (Br) 424-5552

2892 Dewey Avenue, Rochester, N.Y. 14618
1075 Long Pond Road, Rochester, N.Y. 14626
604 Maple Street, Rochester, N.Y. 14611

Cancer Action Inc.
st Like A Good Friend, We're Here To Help.
Rochester & the Genesee / Finger Lakes Region
423-9700 Area Code (716)

1989

423-9700 Area Code (716)

Vay-Schleich & Meeson Funeral Home
DOUGLAS C. MEESON - ROBERT E. VAY

270

E HENRIETTA RD INTERSECTS
1100 Altiers Annex Shoe Store shoe dir
ret 475-1090
Champion Factory Outlet clo
475-1727
Brunby's Supper Club restr 272-0215
Haircrafters Out & Curl Beauty
Salon 427-9536
Radio Shack elec equip 424-1428
Household Finance Corp 475-1590
Kiddle City toy store 272-1394
Zayre Dept Store 427-9062
Cafe Elise restr 424-4686
French Confections bkry 424-3719
Grassroots Shoe Store 475-1322
Lewards Craft Bazaar craft ret
272-9310
Top's Friendly Markets 427-9980
First Federal Savings & Loan Assn
272-8670
Burger King (Br) 424-5552
Marketview Liquor 427-8490
Ground Round The restr 424-6664
1111 Holiday Inn hotel 475-1510
990 S INTERSECTS
1180 Hills Department Store 272-9630
RIDGE LAND RD BEGINS
1200 Jefferson Office Centre
Independent Auto Appraisers Inc
424-6160
1210 Muscular Dystrophy Association
424-6560
Kelly Services temp emp serv
424-6250
Apex Associates mfrs rep 272-7040
Rochester Regional Hospital Assn
med sups 427-2820
Rochester Regional Hosp Assn-Joint
Ventures Corp (Ins billing serv)
427-2820
Fleet Mortgage Corp 427-2680
Cohoes Commons 427-2910
Jonathan's Fresh Seafood restr
272-8900
N Y N E X (Bun Cntr) 272-0770
Fantasia Furs furriers 272-8590
Howard Dan Maternity Factory clo
ret 272-0660

Phase I Environmental Site Assessment
1777 East Henrietta Road
Henrietta, New York 14623

LABELLA

1989

604-9081
480 Schnepf Henry E @ 288-5958
483 Collins Jeanette Mrs @ 288-2231
485 Saj Eug C @ 482-4050
524 No Return

322-A
WILDBRIAR RD (HENRIETTA)
FROM 1897 E HENRIETTA RD
WEST THEN SOUTH TO 213
WILDFLOWER DR

ZIP CODE 14623
ANOINETTE DR BEGINS
32 Victory Baptist Church 334-8524

1989

Christian Friendship Bapt Church
359-1120
Toadskool Nursery child care nursery
334-1172
Figenschner Nancy School Of Dance
334-5610
48 Zimmerlin John E @ 334-4273
49 Simon Marion Research Service Inc
359-1510
56 Williams Richd M @ 334-7697
57 Kheel Julian bldg contr @ 359-2366
265 64★Cozan T J
65 Lol Cho @ 334-8258
72★Andolina John P @ 334-6158
73 Outlaw Tonya Mrs @ 334-0655
80★Haupt D 334-6418
85 Steidle Robt J @ 334-5788
ICE ROSE LA BEGINS
88★O'Neill Frank B 259-2437
96★Donley Kevin C Rev @ 334-5287
104 Dean Joseph T @ 334-3236
112 Drexler Donald A @ 334-2794
113★Meadows James T @ 334-8604
120 Schafer Joseph V @ 334-4897
121 Wahl Jean @ 334-2925
128 Habern Alberta Mrs @ 334-9564
129 Rena Manual 359-3886
136★De Wolf L 359-2085
137 Simpson Chas E @ 334-6426
144 Trely Mildred R Mrs @ 334-2628
145 Torrey Charles T @ 334-0181
152 Roberts David @ 334-3605
153 Strauss John @ 359-3508
160 Rivard Scott W @ 334-1785
161 Boyd Douglas R @ 334-4311

532 Ornt.
535 Willso
538 Austl
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544★Ngu
547 Prin
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553 Jobe
556 Lind
559★Hal
562 Bro
565 Ruf
566 Will
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571 Hup

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48 M
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1983

Altek Industries Corp 424-1497
Computer Products Inc 424-5671
1567 Rowe Electric Supply Co Inc
424-2220
1575 Lincoln First Bank (Br) 258-6280
1601 Henrietta Seasonall Automotive
Center repr 424-1052
1635 Empire Trailways Inc bus lines
424-6390

JEFFERSON RD INTERSECTS
1777 Castle Division Of Sybron research
475-1400
WILDBRIAR RD BEGINS
1900 Andrews James D real est broker
334-2030

CASTLE RD BEGINS
1920★Yantz Glen 334-8836
1940 White Geo L @
1950 Thomson Lowell E @ 334-5448
1960 De Grande Saml F genl contr @
334-5323

1970 Beck Kathleen Mrs @
1980 Vacant
PALAMINO DR BEGINS
2000 Marks Wm real estate broker @
334-6571

2001 Wedgewood West Apts 334-4910
1★Obemeyer Sandra L 359-2568
2 Brown
3 Chapman
4 Vacant
5 Rental Office
6★Seila Emma M Mrs 334-6011
7★Kinell Linda R 359-1141
8 Vacant
9 Riehlman Carol M
10 Judge
11★Burnette N F 334-9341
12 No Return

E HENRIETTA
6★Dewol
2023 Apartme
1 Hurib
2 Ross
3★Lai C
4★Warn
5 Kreye
6 Vacan
2025 Apartm
1★Mille
2★Tayk
3 Sweet
4 Vacan
5★Reas
2027 Apartm
1★Mel
2 Stev
3★Sch
4 Wei
5 Hab
6 Hoc
2029 Apart
1 Vac
2★Vo
3★Wi
4★Sp
5★Hs
6★Bl
2030★Fay
2033 Apar
1★D
2 Va
3 To
4★W
5★G
2035 Apa
1 M
2 B
3 K
4 F
5★
6★

1983

Administration
E-Z Self-Storage
Federal Hollow Meats whol 424-4550
911 Perkins Cakes & Steak (Div Park Dev
Corpi) 424-4480
930 Vacant
937 Healthkit Electronic Center 424-2560
945 Arthur Restaurant 424-3190
475-1580
950 Vacant
951 Fleet Sales & Parts Inc 424-4022
951 Joe's Tire Mart Inc 475-1640
955 Kwiki Kar Automatic Car Wash
454-6272
965 Monro Muffler Brakes Inc 424-3630
975 Thom Wm & Co Inc mach dir
424-2870
999 Harris Joseph C Seed Co (Br)
475-1965
1000 Building
Refrigerated Food Express Inc
475-1158
Aical Corp trucking 424-4280
Midwest Emery Freight Systems
truckng 424-4272
Meat Dispatch Inc truckng 424-4272
Trans-Cold Express truckng
424-4272
Hallmark Trans Systems 424-4272
Inter-State Truck Service 424-4272
Belford Truck Line 424-4272
White C D Inc truckng 424-4272
David Dale Transport Inc 424-4517
B C B Dispatch Inc 475-1710
Northeast Carriers Inc 424-6652
Rooms
2 Vacant
4 Krohlin Refrigerated Express
truckng 424-4908
5 Vacant
6 Jones Motor Co truckng 475-1190
6 N B M Leasing auto rentng &
leasing 424-2560
8 Vacant
E HENRIETTA RD INTERSECTS
1100 Champion Factory Outlet 475-1727
Poor Richard's Pub restr 424-4160
Cut & Curl Beauty Shop (Br)
271-9472
Cafe' Elise 424-4566
Dorschel Dick Appliance Inc
424-3260
Radio Shack electronics 424-1428
Mason Jar The 475-1238
First Federal Savings & Loan Assn
(Br) 454-4020
Household Finance Corp 475-1590
Fredrico's restr 424-3030
Vacant
Taylor Instrument Process Control
Div Of Sybron 475-9190
Shoe Racks (Br) shoes ret 475-1410
Ground Round The restr 424-6664
Burger King (Br) 424-5522
Greenroots Shoe Store 424-6300
Circle Dept Store 424-6300
Sears Inc
424-1000
1560 Bowl-A-Roll Inc 344-2280
1564 Hair Co The barber shop 344-9230
1570 Big Red Q Quickprint Center No 118
271-0310
S WYNTON RD INTERSECTS
445-7300
1628 Brown Joseph L Jr @ 445-8877
1632 No Return
1634 Walmer Donald R @ 445-0980
1641 La Mott Anthony G @ 445-5117
1642 Venti Donald S 445-6492
BELMONT DR BEGINS
1649 Gabel Richd N @ 271-7384
1650 Talarczyk Patricia Mrs @ 244-4136
1656★Gould James H 473-1193
1657★Wooden E L 344-9724
ZIP CODE 14624
1664 Wyant Veronica M Mrs @
344-1000
PINNACLE RD BEGINS
1691 Veneron Genevieve A Mrs @
445-9083
1699 Shetland Robt L phys @ 344-7887
SURREY HILL WAY BEGINS
1700 Surrey Hill Condominiums
condominiums 443-7200
1708 Vacant
1711 Conlin Thos P @ 244-4591
1717 Baker Elmer @
1728★Searchfield Charles @
1733 Miller Robt J @ 424-1919
1749 Thompson Edw 424-5587
1750 Copanahaver Jerry 424-1077
1787 Sorbera Joseph @
1795★Cullasowich Thomas M @ 424-71
1811 Pansetto Ernest J @ 424-1762
1818 Root Wm A @ 424-1992
1819 Carpenter Raymond K @ 424-326
1830 Angetti Saulle V @
1842★Rocco Foresta @
★Rocco Foresta
1851 Vacant
LOCUST HILL DR ENDS
1931 Carmelita Monastery
1971★Hewitt Geo 424-1097
1987 Park James W Jr @ 424-2479
2000 Locust Hill Country Club 424-4
2011 Vacant
2025★Grievon Becky A Mrs @ 424
2069 Grebe Raymond
SCHUYLER PKWY BEGINS
JEFFERSON RD EAST (PTTIPPO
FROM 78 SOUTH MAIN EAST
TOWN LINE
ZIP CODE 14624
3 Kishner Gordon J 586-8372
4 Vacant
6 Griffin Frank M @ 586-9171
7 La Haye Michl P @ 381-0657
8 Bishop David L @ 381-4920
9★Jacobs Michl 381-1575
10 Kenner Ethel A Mrs @ 381-0641
11 Kennedy Harry H @ 586-1873
12 Vacant
13 Fine Theodore A @ 586-5448
14 Caste Lawrence J @ 381-7223
15 Schan Irvin J @ 586-3645
16 Schuyler Harry H @ 586-1873

Phase I Environmental Site Assessment
1777 East Henrietta Road
Henrietta, New York 14623

LABELLA

1983

480 Saj Thom P @ 244-2251
483 Saj Eug C @ 482-4050
485 Saj Philip @
524 Romano Philip @

WILDBRIAR RD (HENRIETTA)
FROM 1897 E HENRIETTA RD
WEST THEN SOUTH TO 213
WILDFLOWER DR

ZIP CODE 14623

40 Toad Skool Nursery child care nursery
334-1172

48 Zimmerlin John E 334-4273

49 Simon Marion Research Service Inc
359-1510

56 Williams Richd M @

57 Kheel Julian bldg contr @ 359-2366

64 Haefner Jos G @ 334-7554

65 Klotzbach Lorne @ 359-2996

72 Veltre V Robt @

73 Hale Arthur @ 334-6532

80 Kruppenbacher Robt F @ 334-8781

85 Steidle Robt J @ 334-5788

ICE ROSE LA BEGINS

88 Fowler Terrence P @ 359-2822

96 Brunette Ronald @

104 Dean Joseph T @ 334-3236

112 Drezler Donald A @ 334-2794

113 Vine Fredk D @ 334-5037

120 Schafer Joseph V @ 334-4897

121 Wahl Jean @ 334-2926

128 Habern Alberta Mrs @ 334-9564

129 Warner Brian @ 334-7406

136 Hindman L W Rev @ 334-3492

137 Williams Danl J @ 359-2532

144 Trely Mildred W Mrs @ 334-2628

285
FROM
WEST

1976-1977

Landale Mkt 461-4767

Sorce Farm

Arnold Bakers Inc ret 473-1990

Welbert Farms (Prod Div)

Bread Depot 271-9195

Weber's Dairy

Federal Hollow Clover Farms
461-2388

911 Perkins Pancake House 275-0451

935 Steak & Ale Restaurants 442-4290

937 Heathkit Electronic Center 244-5470

945 Two M Restaurant 271-7230

947 Arthur Treacher's Fish & Chips
271-6360

950 Regional Auto Supply Co 244-4490

Fleet Sales & Parts Inc 271-3940

951 Vacant

955 Kwiki Kar Automatic Car Wash
473-2455

965 Monro Safety Brake Center 244-4343

975 Thom Wm & Co Inc mach dlr
244-0370

999 Harris Joseph C Seed Co (Br)
442-1038

1000 Truck Stops Restr Management Corp
custom food 473-7108

Refrigerated Food Express Inc
244-6390

Truckstops Corp motel 271-7600

Pool Supply Co.

1976-1977

One Hour Martinizing dry cleaners
275-0212

Rowe Electric Supply Co Inc
275-0010

1575 Lincoln First Bank (Br) banking
262-2151

1601 Henrietta Tire & Muffler Inc
244-0220

1635 Fruehauf Trailer Div Fruehauf Corp
244-3530

JEFFERSON RD INTERSECTS

1777 Castle Co research 271-6060

1887 Henrietta-Rush Rotary 334-9897

1891 Brockett's U-Haul Rental 334-9929

WILDBRIAR RD BEGINS

1900 Andrews James D real est broker
334-2030

CASTLE RD BEGINS

1920 Muscato James

1940 White Geo L @ 334-9516

1950 Thomson Lowell E @ 334-5448

1960 De Grande Saml F genl contr @
334-5323

1970 Beck Kathleen Mrs @ 334-8139

1980 Durante Michl H phys 334-1200

PALAMINO DR BEGINS

2000 Marks Wm real estate broker @
334-6571

2001 Apartments

1976-1977

Truckstop Corp gas sta 271-7899

Truckstop Corp (Ryder Corp) real
est 271-7899

S T L Transport Inc 244-0700

Midwest Emery Freight Systems
trucking 442-7910

Meat Dispatch Inc trucking 271-5990

Trans-Cold Exp 442-4126

Midwest Seaboard 442-7910

Hallman Trans Systems 442-7910

Inter-State Truck Serv 442-7911

Beiford Truck Line 442-7910

Country Wide Truck Serv 442-6887

Lyn Transport 461-3800

White C D Inc trucking 442-7910

On Time Delivery Inc 244-9000

Tr Northwestern Transport 244-9130

K J Transportation 461-4390

M & M Transportation Minutemen
Div 244-9000

Henrietta Weekly Journal 271-8223

Rochester Academy Of Dance Arts
(Henrietta Br) 244-5910

Truckstop Barber Shop 244-4780

Krobin Transport Systems 244-9000

Goodway Inc 244-5750

1001 Ink Graphic Products (Div Of Ink
Corp) 244-5600

1899 Blotz Robt L phys @ 244-7887

1700 Pita Colony sweetens (see pita
colony dr) 442-7225

1711 Conlin Thom P @ 244-8881

1717 Berwick Christopher L @ 442-1881

1725 Giuliano Joseph A @ 271-7882

1725 Miller Robt J @ 586-0401

1749 Vacant

1750 Coppenhaver Jerry 586-4039

1787 Sorbiers Joseph @ 361-2206

1796 Tronzo Aldo R @ 586-4201

EDGEMOND AV BEGINS

1811 Rowland Verne M Mrs @ 361-6559

1818 Root Wm A @ 586-5894

1819 Spicer Harold W @ 586-0307

1850 August Bealle V @

1851 Vacant

LOCUST HILL DR BEGINS

1921 Carmelite Monastery

1971 Champion Robt 586-1983

1987 Gallagher Thom P @ 586-3131

2000 Locust Hill Country Club 586-3859

2025 Bergen Wm R @ 586-5474

2089 Richards Anthony G 586-2703

SCHUYLER PKWY BEGINS

JOHN ST - FROM 1885 BRIGHTON
HENRIETTA TOWN LINE RD
SOUTH TO BAILEY RD

ZIP CODE 14623

4 Bianchi Dominic @ 436-0456

136 Mc Quid Edna E Mrs @ 436-04

150 Kowalski Victor @ 436-4389

170 Marvin Leonard E rubbish contr

196 Hill Richd E 338-4085

200 Moll Henry H 464-8017

215 Jones Raymond D @ 235-2311

216 Monier Maurice M 436-8506

FERKINS RD BEGINS

264 Ranieri Genevieve V Mrs @ 33

286 Parkman Aletha E @ 436-5380

296 Schneider Charles M @ 338-438

306 Smith Harry D @ 436-9989

316 Ranieri Albert B Jr mason @

454-8532

326 General Testing Corp food &
testing 436-0545

350 Crandall Raymond 235-2697

ZIP CODE 14596

351 R T Central Services & Stor

COLONY MANOR DR BEGINS

415 Strange Ronald E 235-3163

629 James Norman W 334-8463

632 Vacant

645 Smith Angie G Mrs @ 334-43

JUSTIN CIR - FROM JUSTIN
DR SOUTH TO CIR

ZIP CODE 14467

5 Vacant

11 Christie Leilani Mrs @ 334-79

15 Casey Robt @

Phase I Environmental Site Assessment

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LABELLA

1976-
1977

**WILDBRIAR RD —FROM 1897 E
HENRIETTA RD WEST THEN
SOUTH TO 213 WILDFLOWER DR**

ZIP CODE 14623

- 40 Genesee Professional Building
Fernandez Howard P dentist 334-5760
Spiller Burton dentist 334-4900
Stanndco Developers Inc 334-3113
Waldron Glenn E optom 334-7185
Stanndco Realty 334-3230
48 Zimmerlin John E © 334-4273
49 Tylink Properties Management Corp
334-0300
56 Williams Richd M ©
57 Kheel Julian bldg contr © 359-2366
64 Boyd Richd A © 334-6181
65 Riley Joseph L © 334-6800
72 Veltre V Robt ©
73★Kulik John ©
80★Sprague Raymond L © 334-1568
85 Steidle Robt J © 334-5788
ICE ROSE LA BEGINS

ASON Co., Inc.

1971

GRAFLEX D
OF THE SINGER COMPANY
PHOTOGRAPHS AND AUDIO VISUAL EQUIP
3750 MONROE AVE. (PITTSFORD, N.Y. 14603)

- University Of Rochester Purch Dept
275-2002
University Of Rochester Genl Stores L
945 Arrow's Restaurants Inc (Ofc)
Arthur Treacher's Inc (Br) 271-7230
950 Regional Auto Supply Co 244-4490
Kulick Kar Automatic Car Wash (Br)
473-2455
951 Pantry Cupboard Bakery ret store
271-7880
Pantry Cupboard Bakery 271-7880
965 Nationwide Safety Brake Center 244-4343
975 Thom Wm & Co Inc mach dlr 244-0370
999 Harris Joseph C Seed Co (Br) 442-1038
1000 One Thousand Jefferson Road Inc real
est 271-1470
Truck Stops Restr Management Corp
custom food 473-3010
Refrigerated Food Express Inc 244-6390
Truckstops Corp motel 271-7600
Truckstops Corp gas sta 271-7600
Truckstops Corp real est 271-7600
D & J Rental Corp 244-0700
S T L Transport Inc trucking 244-0700
Midwest Emery Freight Systems trucking
442-7910
Meat Dispatch trucking 271-3900
Distributors Service Co 244-2600
1001 Itek Business Products duplicating machs
244-5600
Itek Business Prod (Br) (mfg business
equip) 244-5600

E HENRIETTA RD INTERSECTS

- 1100 Loblaw's Grocery Store
Robin Hood Room (Br) 244-5720
Cut & Curl Beauty Shop (Br) 271-9472
Topps Gas Station
Cadet Cleaners (B)
Allied Radio Shack (Br) 473-2366
Topps Discount Store (B)
First Federal Savings & Loan Assn
262-2637
1200 Independent Auto Appraisers Inc
442-3411
Friden Division Of The Singer Co bus
mach als & mtce 442-2926
1240 Baughman H Leonard © 271-2330
Baughman H L Inc contr 271-2330
1260 Baughman H L Transit-Mix Corp
concrete 473-9034
1320 Kinney Guy Service Station 271-9536

TREU'S
Rugs
INC.

WUNDA WEVE
GULISTAN
DOWNS
MAGEE

1971

Dawdwin Piano & Organ Studio (Br)
249-9470
1575 Lincoln Rochester Trust Co (Br) leasing
L
1635 Fruehauf Trailer Co (Br) trailer als
244-3530

JEFFERSON RD INTERSECTS

- 1777 Castle Co research 271-6060
1887 Louis Rotary 344-9910
1891 Brockett's Atlantic Service 334-9929
1897 Sinisgalli Louis 334-3485
WILDBRIAR RD BEGINS

1900 Andrews James D lwyr 334-2030
CASTLE RD BEGINS

- 1920 Ward Ronald G 334-8260
1940 White Geo L © 334-9516
1950 Thomson Lowell E © 334-5448
1960 De Grande S Fredk © 334-5323
1970 Beck Kathleen P Mrs © 334-2679
1980 Durante Michl H phys 334-1200

PALAMINO DR BEGINS
2000 Marks Wm real estate broker ©
334-6571

2001 Apartments

- 1 La Fontaine Bruce
2 Mc Cormack Michl G
3 Eckert Cath A 334-7260
4 Thompson M
5 Schindler Eleanor Mrs 334-1380
6 Saurini Linda

JOHN "JACK" A. MATTLE, Licensed Manager
AL SERVICE

1971

- 59 Zgonce Wm D © 334-7725
62 Howard Larry J © 334-8182
63 Allen Bruce R © 334-3946
65 King Robt L © 334-6861
66 Guarre John © 334-4704
67 Chesworth Donald O Jr © 334-4648

**WILDBRIAR RD —FROM 1897 E
HENRIETTA RD WEST THEN SOUTH
TO A DEAD END**

ZIP CODE 14623

- 40 Genesee Professional Building
Fernandez Howard P dentist 334-5760
Guerinot Gerard T phys 334-3040
Grunert Harold F phys 334-3040
Spiller Burton dentist 334-4900
Stanndco Developers Inc 334-3113
Tri Agency Counseling Serv-South Suburbs
Ofc 334-6520
48 Zimmerlin John E © 334-9488
55 Model Home
56 Vacant
64 Boyd Richd © 334-9789

HARLOFF Funeral & Crematory
MARK D. HARLOFF, JR.
East Rochester, N.Y. 14445

1966

WAYSIDE LIQUOR STORE •
WAYSIDE LAUNDROMAT CH4-7516
1575 LINCOLN ROCHESTER TRUST CO
(BR) BANKING GR3-0640
1635 FRUEHAUF TRAILER CO (BR) TRUCK
SLS CH4-3530
1640 BRANDOW JOSEPHINE C MRS •
GR3-6631
1652 VACANT
---JEFFERSON RD INTERSECTS
1777 CASTLE WILMOT CO PHYS & HOSP
SUP BR1-6060
1891 BROCKETT HOWARD A GAS STA
ED4-9929
1897 STARKWEATHER ROTARY GAS STA
ED4-9903
STARKWEATHER DUANE • ED4-9903
---WILDBRIAR RD BEGINS
1900 ANDREWS JAMES D REAL ESTATE
BROKER ED4-2030
ANDREWS JAMES D LWYR ED4-2030
---CASTLE RD BEGINS
1920 VACANT
1940 WHITE GEO •
1950 HAIRE PAUL R • ED4-2767
1960 DE GRANDE FREDK •
1970 BECK HENRY JR • ED4-2679
1980 WATTLES FRANK JR • ED4-2255
---PALAMINO DR BEGINS
2000 MARCHEGIANO JOSEPHINE M MRS •
ED4-3105
2010 TIETGE WM E • ED4-9781
ED4-9724

1966

MEATS CH4-6772
EBER BROTHERS & CO INC WHOL
PROD DLR GR3-1440
UNIVERSITY OF ROCHESTER
PURCH DEPT CH4-2880
UNIVERSITY OF ROCHESTER
GENL STORES
945 ARROW'S RESTAURANT (BR)
BR1-7230
955 KWIKI AUTOMATIC CAR WASH
950 G M C SALES & SERVICE INC SLS &
SERV TRUCK PARTS CH4-7490
965 BURCH TIRE CORP AUTO BRAKE
INSTLR CH4-4343
975 THOM WM & CO MACH DLR CH4-0370
979 VACANT
999 HARRIS JOSEPH C SEED CO (BR)
GI2-1038
1000 ONE THOUSAND JEFFERSON ROAD
INC REAL EST BR1-1470
TRUCK STOPS CORP RESTR DIV
BR1-9492
REFRIGERATED FOOD EXPRESS INC
CH4-6390
TRUCKSTOPS CORP MOTEL BR1-7600
TRUCKSTOPS CORP GAS STA
BR1-7600
TRUCKSTOPS CORP REAL EST
BR1-7600
270
---EAST HENRIETTA RD INTERSECTS
1240 BAUGHMAN H L INC GENL CONTR
BR1-2330
BAUGHMAN H LEONARD • BR1-2330
1260 BAUGHMAN H L TRANSIT-MIX CORP
CONCRETE GR3-9034
1320 KINNEY GUY SERVICE STATION
BR1-9526
1350 XEROX CORP
1445 MACAULAY MACHINERY CO INC

1966

WILDBRIAR RD -FROM 1897 E HENRIETTA
RD WEST THEN SOUTH TO A DEAD END
(ZIP 14467)
40 NICHOLS CHRIS DENTIST ED4-5760
GUERINOT GERARD T PHYS ED4-3040
DWIANTE MICHL H ED4-1200
SPILLER BURTON DENTIST ED4-4900
SUBURBAN OPTICAL COMPANY
ED4-2320
48 VACANT
56 JOYCE CONSTRUCTION CO INC
ED4-3113
64 BOYD RICH D • ED4-9789
65-77 VACANT
80 DELMEGE DALE •
85 DURHAM REX • ED4-1101
96 MANDIGO PAUL • ED4-4591
104 DEAN JOSEPH T • ED4-3236
112 DREXLER DONALD A • ED4-2794
113 MACHADO LOUIS G • ED4-2684
120 SCHAFFER JOSEPH V • ED4-4897
121 GIANFORTI FRANK J • ED4-5807
128 MC NULTY WM F • ED4-4811
129 MELENDEZ JOHN P ED4-1243
136 HODGSON DAVID C • ED4-3455
137 NO RETURN
144 TRELLY GEO J • ED4-2628
145 TORREY CHARLES T • ED4-1619

1960

1891 BROCKETT HOWARD A
gas sta
1897 Rotary Service Sta
Woughter Earl R •
1900 Andrews Real Estate
Co
Andrews Jas D
lwyr
Castle rd begins
1920 Hargrave Iva E
Mrs •
1940 Vacant
1949 Wentworth Rita Mrs
1950 Straube John •
1960 Hogan Jos E •
1970 Beck Henry jr •
1980 Wattles Frank •

Phase I Environmental Site Assessment

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LABELLA

1960

electrical equip
633 McKesson &
Robbins Inc whol
drugs
700 R G & E Corp
operations center
755 Strassenburgh R J
Co drug mfr
Clay rd crosses
1001 Photostat Corp
900 Genesee Valley Re-
gional Mkt Au-
thority Building
Flickinger S M Co
Inc whol gro
Truckstops Corp
restr
Genesee Valley
Regional Mkt
Authority
Truckstops Corp
gas sta
Div of Architecture
NYS Dept of Pub
Wks

1500 Fann
1555 Schle
aut
1540 Jones
Ser
1625 Mosh
Co
1633 D'Am
dre
1641 Little
1649 Golda
D
1657 Melfa
1660 Mode
1664 White
cav
White
Ser
White
Pinn
g
1691 Verer
1699 Shost
phys

1960

Boonester Ceiling
Jos A jr
Rountree Sadie Mrs
385 Lynch Harold
393 Carapezza Anthony
G
415 Rountree Wm H
451 Genesee Valley
Roofing & Sht Mtl
Co
Rountree Lincoln
711 Andersen Martin
795 Fairman Minnie
Mrs
859 Bianchi Dominick
A
John crosses
Brighton-Hen-
rietta Town
Line rd begins
79 Great Lakes Con-
crete Pipe Co Inc
80 Domenico's restr
Erie RR crosses
120 Murray Constn
Equip Corp
Vonhof Oil Co Inc
LVRR crosses
140 Schillinger Edna C
Mrs
160 West Shore Whse
167 Mahar Constn Co
168 Genesee Pattern
Wks
170 Plantz Lawrence K
176 Jefferson Road
Farm Mkt
Povio Frank R
192 Diamond Excava-
tors Inc
336 Monroe Toy Shop
Inc
350 Lasher Mildred
Mrs
360 Michaels' Bros
Farm Mkt
90 South Town Shopping
Center
West Henrietta
rd crosses
30 Williamson Associ-
ates Inc The art

Monroe County
Patrons Fire
Relief Assn
Greenacres Produce
Corp
U S Dept of Agri
food insp
NYS Div of Milk &
Food Control
NYS Div of Mkts
Mkt News
Farm Labor Co-
ordinator
Federal Supervising
Insp
New York State
Clks Room
Federal State Mkt
News Serv
Genesee Valley Re-
gional Mkt
Kaiser Chas Pro-
duce
Pirrrello Celery
Farms
Mohawk Containers
Inc
Irondequoit Pkrs
Inc
Malo & Frassetto
produce dls
Idaho Potato Pkrs
Wegman's Food
Mkts
Regional Poultry &
Egg Service
Eber brothers &
Co Inc produce
dls
975 Thom Wm & Co
mach dls
979 Vacant
999 Harris Jos Co Inc
seeds and plants
1560 Bowl-a-Roll corp
bowling alley
Winton rd S
crosses
1000 Truckstops Corp
gas restr motel
East Henrietta rd
crosses
1240 Baughman H L Inc
genl contr
1260 Transit Mix Corp
concrete
1320 Polasky Joe Serv

1700 Zornow Henry A
1705 Huber Jos R
1711 Conlin Thos
1717 Schier Peter E
1725 Rose Angelo A
1733 Miller Robt J
1749 Thompson Andrew
H
1750 Ouellet Jos G
Edgewood av
ends
1818 Root Wm A
1851 Hettis Rudolph J
Locust Hill dr
ends
1931 Carmelite Monas-
tery
Mother Ignatius
1971 Craig Thos J
1987 Calkins Wm S
2000 Locust Hill Country
Club
2025 Bergam Wm R
2073 Vacant
2089 Wright Marshall
carp
Susce Ronald land-
scaper

JOHN-From 1895 Bright-
ton-Henrietta Town
Line rd west to Maple
(1-326 Roch 23, bey
West Henrietta)

4 Bianchi Jos
135 Aman Jos F
136 Lloyd Eliz Mrs
160 Renner Tracie H
Mrs
170 Marvin Leonard
rubbish contr
179 Jobs Raymond A
200 Austin David E
215 Jobs Raymond I
216 Nash Fredk J
240 Goodwin J Dayton
264 Ranieri Geneviev
J Mrs
286 Whatford Howar
296 Latour Robt S
306 Smith Harry D
316 Vacant
326 Chernow Asphal
Paving
Chernow Neary

1955

1440 Walters Henry
1450 Pease F B Co food pro-
cessing equip
1460 VanArsdall Donald J
1463 Regional Market
1555 Wayside Food Market
Wayside Garden Store
fruit dls
Pennise Jos
1605 Genesee Valley Regional
Market
1640 Engert Geo
1652 Barrett Louise M Mrs
Jefferson rd crosses
1777 Wilmot Castle Co
1898 Vacant
East av begins
1915 Mullin Robt F
1920 Howe Robt carp contr h
1940 Evans Evan R
1950 Phillips Jos W
1960 Hogan Jos E
1970 Beck Henry
1980 Vacant
Suburban dr begins
2000 Schollnick Louis
2010 Witters Clifford
2020 Eisenberg Leo
2030 Vacant
2040 Marshall Claud E
2050 McBride Richd C

2981 Ha
2982 Ho
2992 Ma
3002 Cla
3012 Ca
3019 Ca
3024 Va
3031 W
3044 E
3045 Vo
3059 Gr
3067 Bu
3068 Bo
3073 Sn
3081 De
3100 Va
3105 H
3115 W
3118 H
3125 U

1955

Reitz Thos
McCutchan Barney-2
Middle rd crosses
Search Claude
Henrietta Line
Klassen Chas
Bauchle Robt
Semple Robt T
Zornow Chas
Zornow Geo
Bauchle Harold
Ibelacker Albert
REL ROAD from 360
ville-W Hnrt rd north
d end
vacant
Hall Eleanor M Mrs
REL ROAD EXTEN-
(W Hnrt) fr E River
t to dead end
Witthuhn Howard V
Miller Jack W contr h
FSIDE DRIVE fr 1910
on rd to 1500 Edgewood
ch 18)
OBERLET ROAD from
Hnrt rd east to 1153
le rd
eeman Fredk S
each Clifford T
antz Margt Mrs
ack Clifford M
one Gordon M
rwell Lawrence
ilbur Kenneth E
ohn Stewart F
dd Robt E
eant
llen Wm A
ebs Glenn I
eant
kell Howard

JEFFERSON ROAD fr 901
Br-Hnrt Town Line rd east
to Pittsford line from begin-
ning to 439 (Roch 18) from
439 to 1021 (Hnrt) from 1021-
1500 (Roch 18) from 1500 to
end (Pitsfd)
John crosses
79 Great Lakes Concrete
Pipe Co Inc
80 Vacant
Erie RR crosses
120 Monroe County G L F oil
and lubricant dls
Lehigh Valley RR
crosses
140 Schillinger Geo
160 West Shore Warehouse
168 Vacant
182 Povio Frank R
195 Schuey Wm
255 Smith Elmer
263 Kennedy Walter M
350 Griffith Kenneth A
W Henrietta rd crosses
800 R G & E Corp
Clay rd crosses
E Henrietta rd crosses
1240 Baughman H L Inc genl
contr
Baughman H Leonard
Winton rd ends
Pinnacle rd begins
Pittsford line
1664 White Gardiner B
1700 Zornow Henry A
1733 Miller Robt J feed dlr h
1749 Thompson Andrew H
1750 Zornow John E
Edgewood av ends
1818 Root Wm A
1851 Hettis Rudolph J
Goldside dr begins
1931 Carmelite Monastery
1971 Craig Thos J
1987 Calkins Wm S
2000 Locust Hill Country Club
2025 Bergam Wm R
2073 Steffenhagen Chas W
2089 Cassidy Edwin R

Phase I Environmental Site Assessment

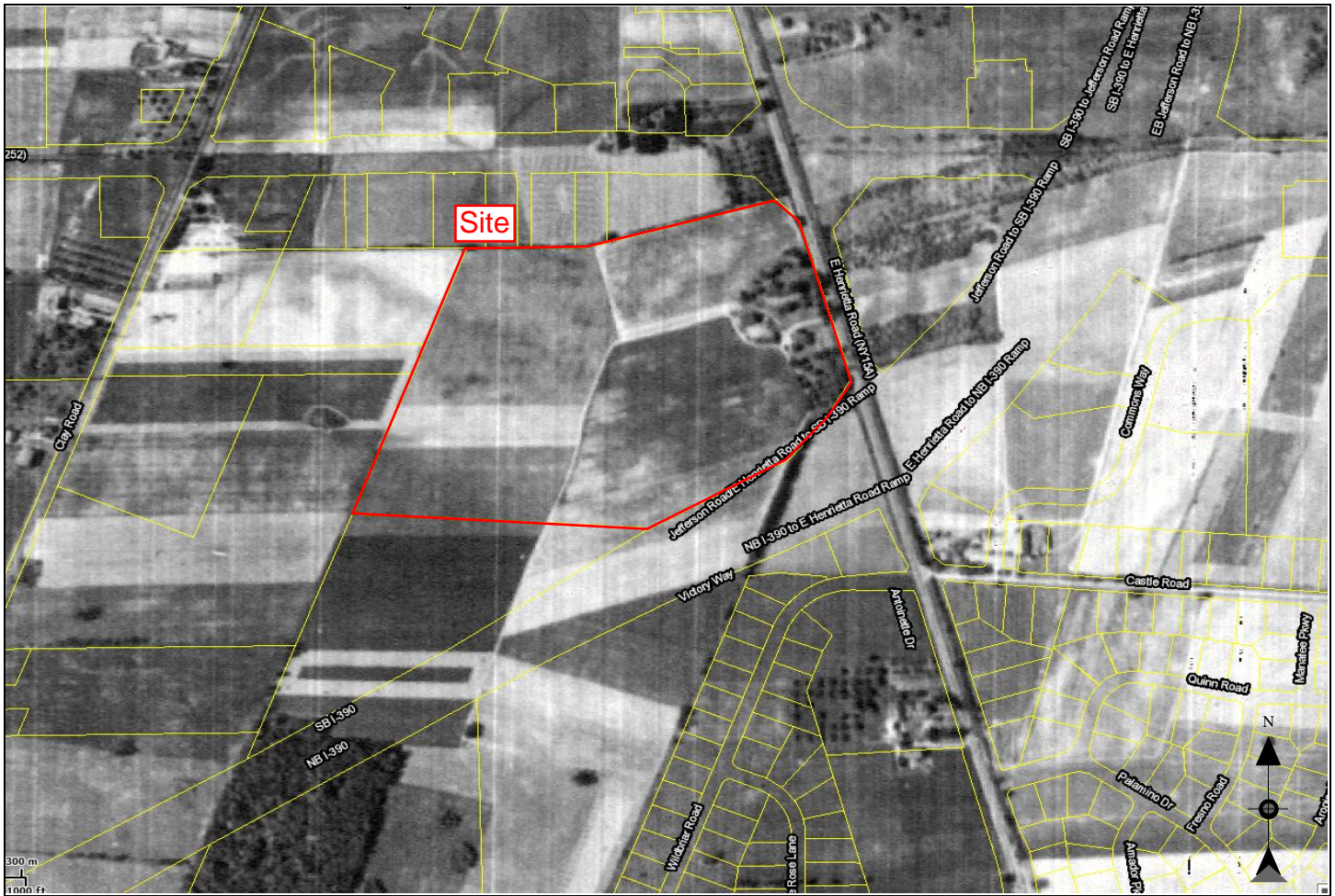
1777 East Henrietta Road
Henrietta, New York 14623

LABELLA

APPENDIX 3

Aerial Photographs

1930 Aerial Photo

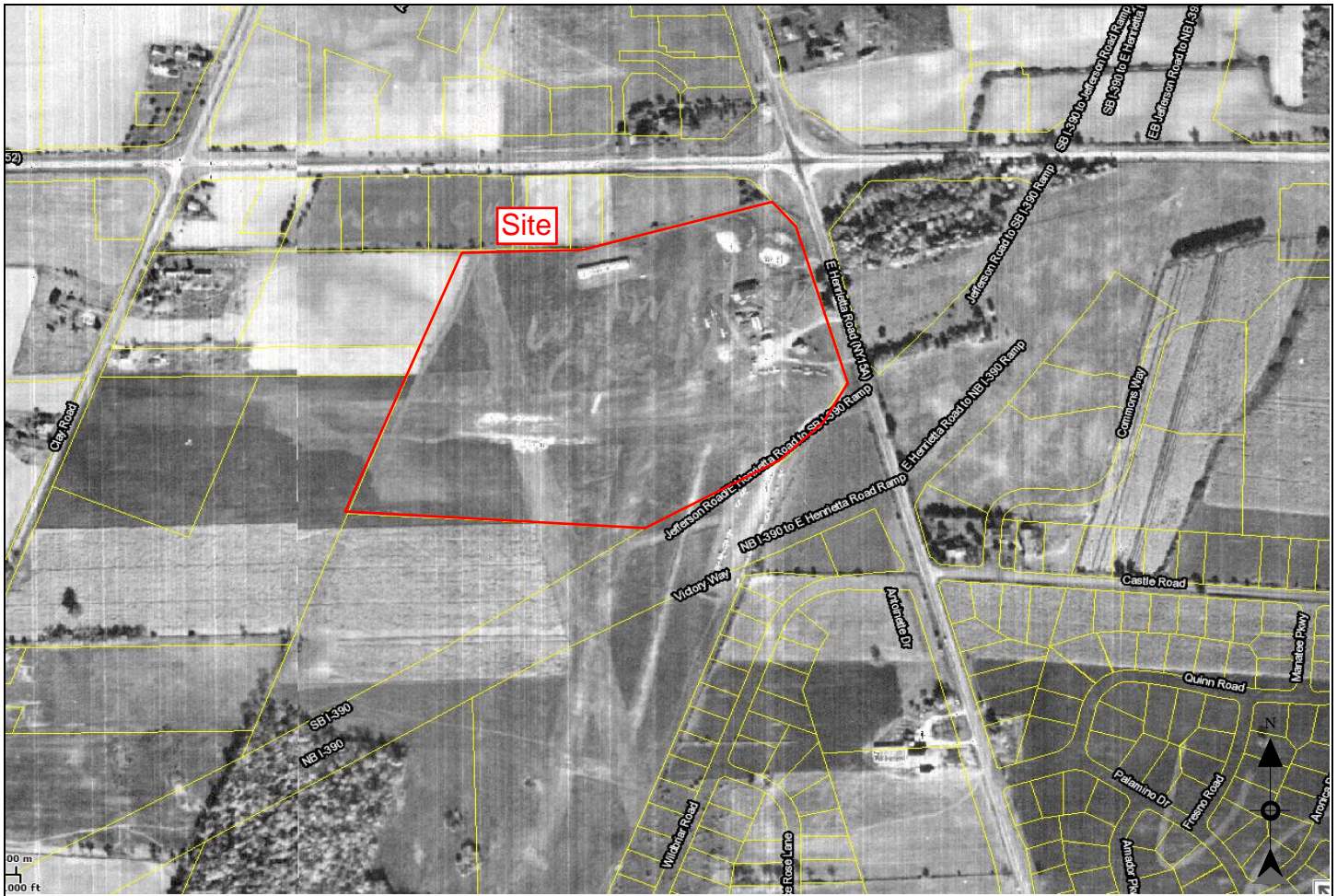


Monroe County Maps

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ABELLA

1951 Aerial Photo

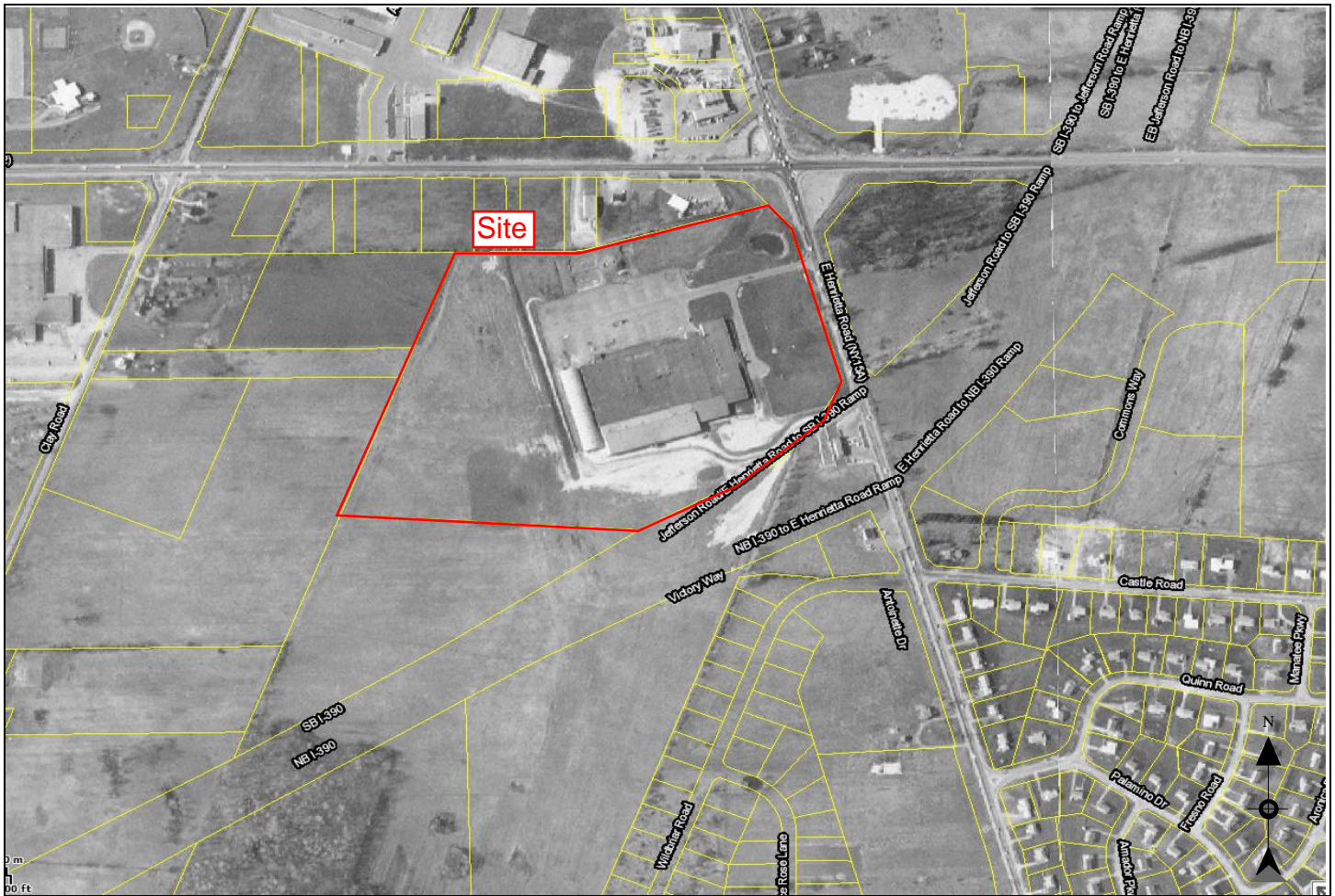


Monroe County Maps

Phase I Environmental Site Assessment

1777 East Henrietta Road
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1961 Aerial Photo

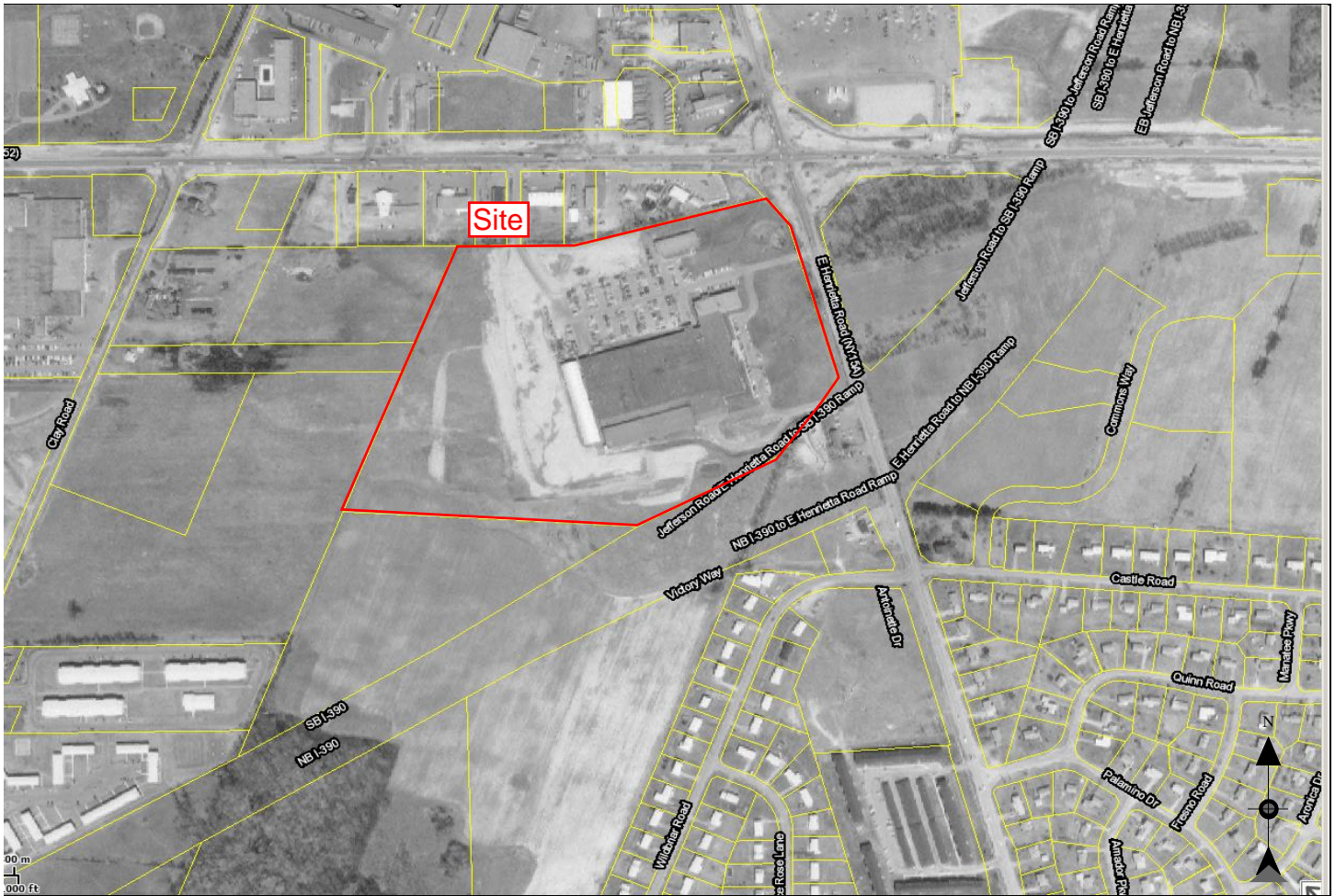


Monroe County Maps

Phase I Environmental Site Assessment

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1970 Aerial Photo



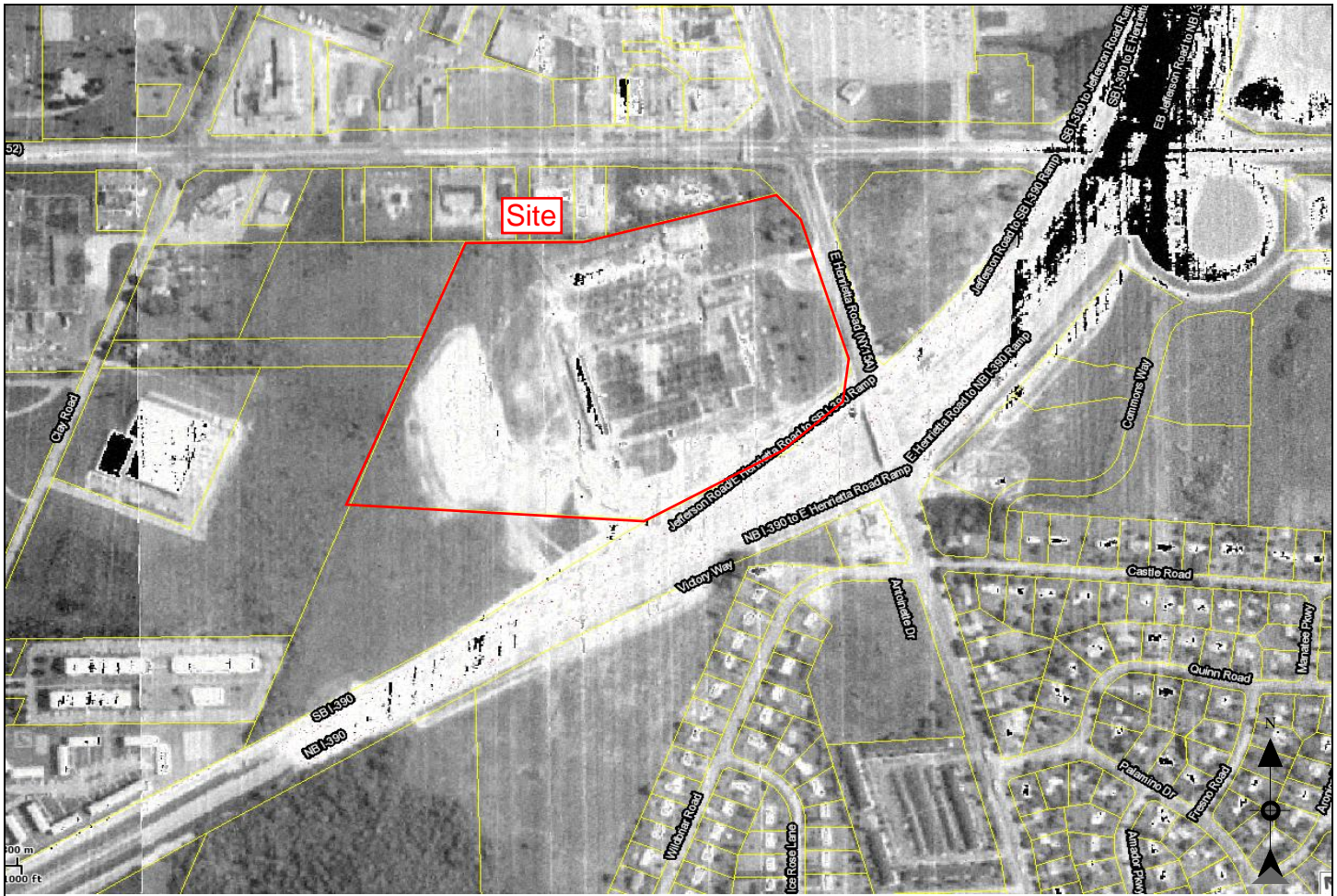
Monroe County Maps

Phase I Environmental Site Assessment

1777 East Henrietta Road
Henrietta, New York 14623

ABELLA

1980 Aerial Photo

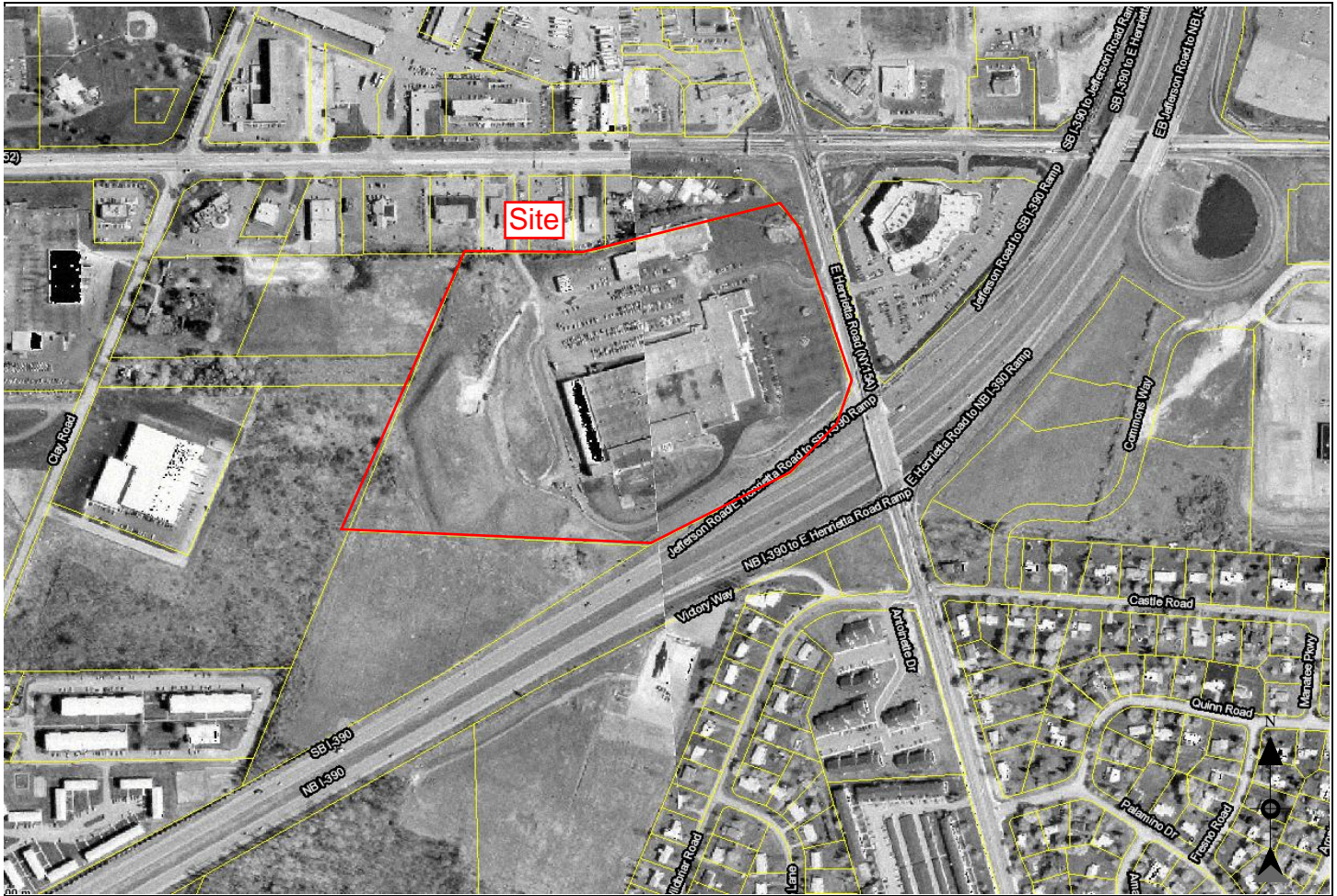


Monroe County Maps

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ABELLA

1988 Aerial Photo



Monroe County Maps

Phase I Environmental Site Assessment
1777 East Henrietta Road
Henrietta, New York 14623

ABELLA

1993 Aerial Photo

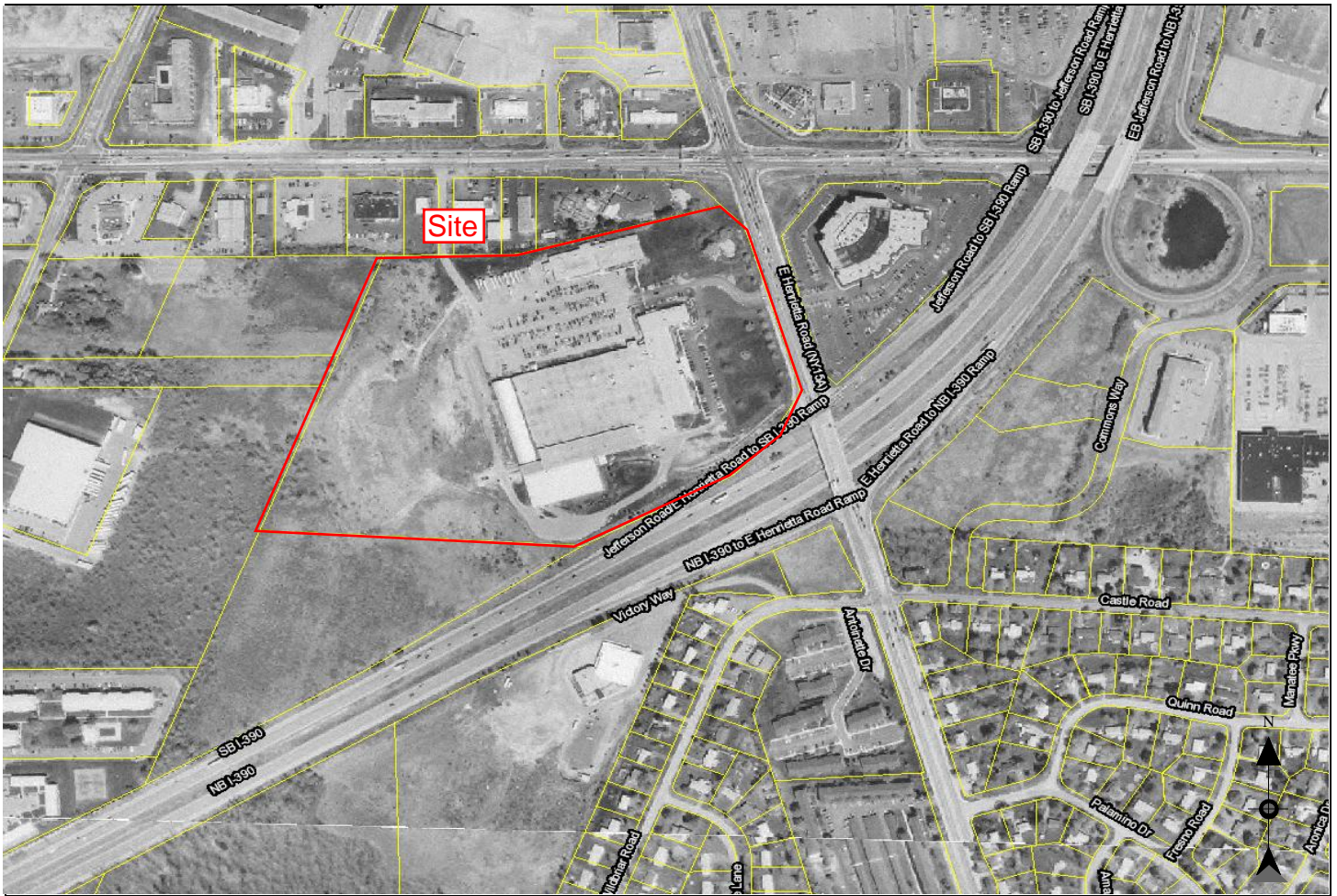


Monroe County Maps

Phase I Environmental Site Assessment
1777 East Henrietta Road
Henrietta, New York 14623

ABELLA

1999 Aerial Photo



Monroe County Maps

Phase I Environmental Site Assessment

1777 East Henrietta Road
Henrietta, New York 14623

2002 Aerial Photo



Google Earth

Phase I Environmental Site Assessment
1777 East Henrietta Road
Henrietta, New York 14623

LABELLA

2009 Aerial Photo



Google Earth

Phase I Environmental Site Assessment
1777 East Henrietta Road
Henrietta, New York 14623

LABELLA

APPENDIX 4

Site Reconnaissance Worksheet

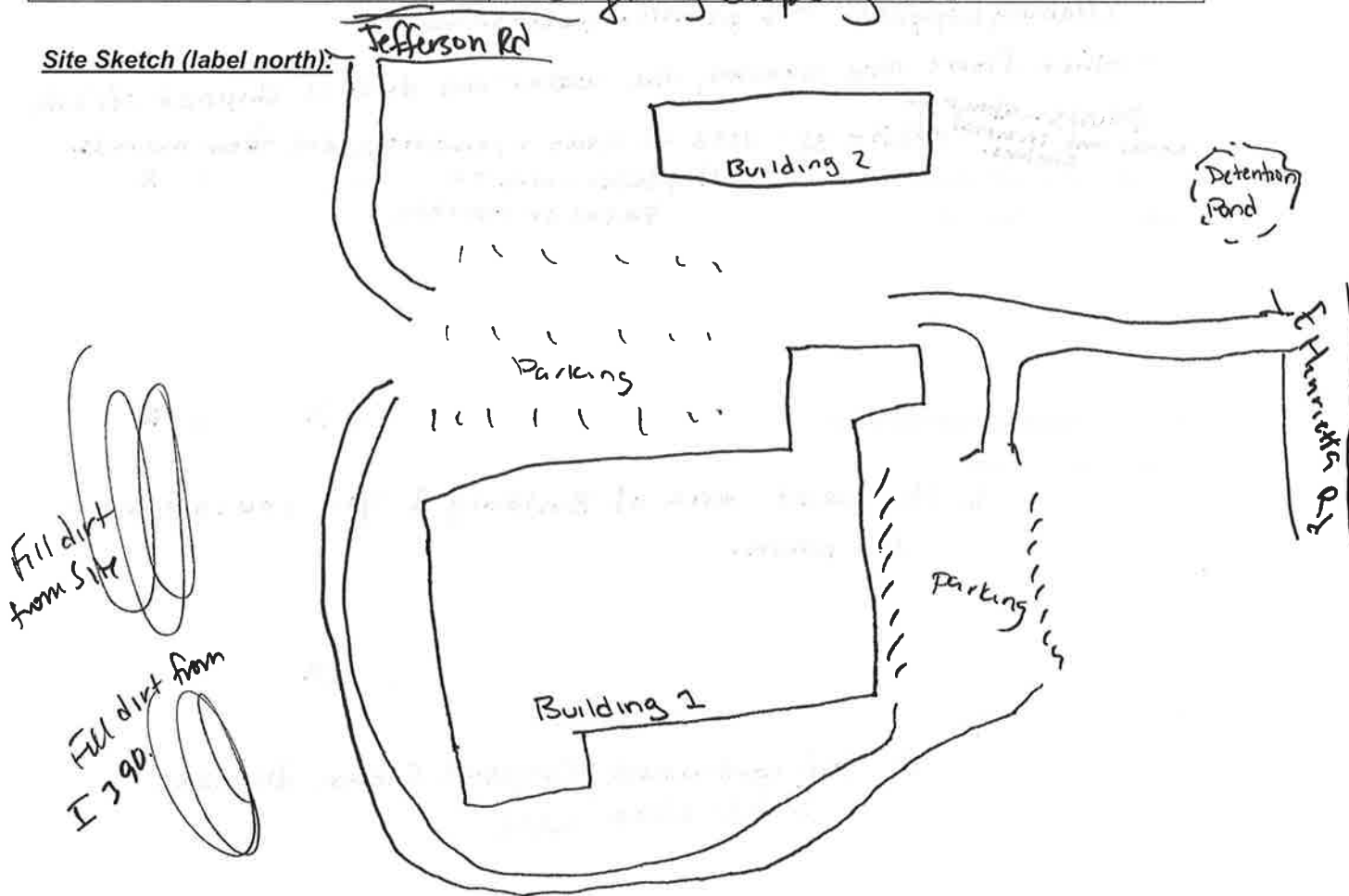
LABELLA

Associates, P.C.

Site Reconnaissance Worksheet

Project #	214142
Address	1777 E Henrietta Rd
Date of Site Inspection	1-20-14
# of Structures	2
Usage at Time of Site Inspection	Manufacturing of Medical Equip.
Nature of Area (circle one)	Rural Urban <u>Suburban</u>
Topography (If Sloping - Note Direction)	Slightly sloping NE.

Site Sketch (label north):



Adjacent Properties and Address:

North	Monroe Muffler, Valvoline, Collision Center
East	Hotel
South	Route 390, Offices, Church
West	land.

Site Reconnaissance Worksheet (cont.)

Petroleum Product Storage and/or Usage

Yes X No

(Note: Type, Quantity, Usage, Disposal Receipts)

Oil & Iron phosphate
Stored in 55 gal drums

Hazardous Substances Storage and/or Usage

Yes X No

(Note: Type, Quantity, Usage, Disposal Receipts)

Cleaning supplies ~6 plastic on pallet on con.
- When floors are cleaned, the water and dirt is shipped offsite
Paints - about 20
metal cont. in metal shelves. oaktite 31 - used to clean & remove oxides from metals.
Unidentified Substances or Containers ~4 plastic cont. on Yes No X
Pallet on concrete

(Note: Type and Quantity)

Strong, Pungent, or Noxious Odors

Yes X No ~~X~~

(Note: Type and Source)

In the paint area of Building 1 you could smell
the paint.

Parts Washers

Yes X No

(Note: Type - Self-contained or Not, Location, Waste Disposal Receipts)

Self contained, Crystal Clean dispenses
Safety Klean used.



Site Reconnaissance Worksheet (cont.)

Pools of Liquid Likely to Contain Hazardous Substances

Yes ____

No X

Or Petroleum Products

(Note: Location, Potential Product/Hazardous Substance(s), Source)

None observed in vicinity, adjacent to

Stains or Corrosion

Yes X

No ____

(Note: Location, Potential Product/Hazardous Substance(s), Source)

Minor staining in Basement - probably dirt

Floor Drains

Yes X

No ____

(Note: Location, Discharge Location, Type of Wastewater Discharged to Drain, Associated Oil/Water Separator)

*Public system - water
Throughout the Buildings.*

Sumps

Yes X

No ____

(Note: Location, Discharge Location, Type of Wastewater Discharged to Sump)

3 sumps - condensate from Boiler and ground water

Equipment Potentially Containing Polychlorinated Bi-phenyls

Yes X

No ____

(Note: Location, Type - Pad/Pole Mounted, PCB-containing, Owner, Condition)

1 pad transf.



Site Reconnaissance Worksheet (cont.)

Elevators

Yes X No

(Note: Location, Hydraulic/Mechanical/Electric, Underground Components, Location of Reservoir)

Hydraulic Reservoir in Basement

Lifts

Yes No X

(Note: Location, Hydraulic/Mechanical/Electric, Underground Components, Location of Reservoir)

Lift Scars

Yes No X

(Note: Location, Former Hydraulic/Mechanical/Electric, Underground Components, Location of Reservoir)

Stained Soil

Yes No X

(Note: Location, Apparent Type of Staining, Source)

Stained Pavement

Yes No X

(Note: Location, Apparent Type of Staining, Source)

Stressed Vegetation

Yes No X

(Note: Location, Source)



Site Reconnaissance Worksheet (cont.)

Evidence of Solid Waste Disposal and/or Filling

Yes X No

(e.g., mounding, piles, ect.)

(Note: Location, Contents, Staining, Odors)

~5 dumpsters/recycle bins
- general refuse

Storm Drains

Yes X No

(Note: Location, Associated with Wastewater Treatment or Disposal, Discharge Location, Staining, Odors)

various in parking lot

Ditches

Yes X No

(Note: Location, Associated with Wastewater Treatment or Disposal, Discharge Location, Staining, Odors)

Vegetative swale, directs water to
detention pond.

Underground Injection Well/Dry Well

Yes No X

(Note: Location, Associated with Wastewater Treatment or Disposal, Type of Wastewater Discharged To)

Septic Systems

Yes No X

(Note: Location, Direction of Leach Lines, Type of Wastewater Discharged)

Monitoring Wells

Yes X No

(Note: Location, Purpose, Analytical Data Available)

11 - Ph 2 + 3 + Detention Pond
Yes

Site Reconnaissance Worksheet (cont.)

Potable Water Wells

Yes

No ~~X~~

(Note: Location and Analytical Data Available)

Indicators of Historical Usages (e.g., signs, equipment, ect.)

Yes

No ~~X~~

(Note: Item and Indication of Usage Type)

Limitations:

☐ None

☐ Overgrown vegetation

☐ Topography

☒ Snow

☐ Size

☐ Access (Note Inaccessible Structures:

Additional Notes:



Site Reconnaissance Worksheet (cont.) – Aboveground Storage Tanks

Aboveground Storage Tanks

Yes X No

Note: Location, capacity, contents, usage, in-service (yes/no), fill port location, vent pipe location, leaks/stains/spills in vicinity, storage conditions – under asphalt, vaulted, under grassy area, fuel pumps)

#	Capacity	Contents	Location	Storage Conditions	Usage
5	55 gal	Hydraulic Oil	Building 1	on concrete	Lube materials

Notes: no leaks / stains / odors.



Site Reconnaissance Worksheet (cont.) – Underground Storage Tanks

Evidence of Underground Storage Tanks

Yes ☐

No ☒

(i.e., vent pipes, fill ports, pumps, fill port covers)

(Note: Location, Type of Evidence, capacity, contents, usage, in-service (yes/no), fill port location, vent pipe location, leaks/stains/spills in vicinity, storage conditions – under asphalt, vaulted, under grassy area, fuel pumps)

Evidence of the Potential Removal/Closure of

Yes ☐

No ☒

Underground Storage Tanks (e.g., patches in pavement, piping, ect.)

(Note: Location, Type of Evidence, leaks/stains/spills in vicinity)

APPENDIX 5

Site Representative Interview

LaBella

LaBella Associates, P.C.

300 State Street, Suite 201
 Rochester, New York 14614-1098
 Phone: (585) 454-6110
 FAX: (585) 454-3066

PHASE I ESA INTERVIEW

Project No. 214142 Date of Interview: 1-20-14 Conducted by: DJK

Address: 1777 E Henrietta Rd

Interviewee: Tom Marlowe How long affiliated with Site: Senior Managing Facilities

Title/Position/Relationship to Site ☐ Owner ☐ Owner Representative ☐ Former Owner ☐ Occupant
☐ Former Occupant ☐ Neighbor ☐ Purchaser ☐ Seller ☐ Real estate agent
☐ Property Manager ☒ Other (explain): 25 yrs.

Additional Contacts: _____

1. What is the purpose of this assessment? ☒ Selling the property ☐ Purchasing the property ☐ Construction loan
☐ Re-financing the property ☐ Other (explain):

2. Do you have a PROPERTY SURVEY MAP or OTHER MAPPING of the Site available?
☐ No ☒ Yes ☐ Unknown (if Yes, please provide if possible)

3. Number of building(s): 2 Total sq. ft. of building(s):
 Acreage of Site: Main + Annex ☐ Unknown ☐ NA

4. What is the CURRENT USE(S) of the Site and DATES, if known? ☐ Unknown
manufacturing of medical equip

5. What are the PAST USE(S) of the Site and DATES of occupancy, if known? ☒ Unknown
 Use Dates of Usage 1954

6. Have any buildings been BURNED or DEMOLISHED on the Site? ☒ No ☐ Yes ☐ Unknown
 Explain:

Was the Debris:
 Burned on Site ☐ No ☐ Yes ☐ Unknown Buried on Site ☐ No ☐ Yes ☐ Unknown
 Removed from Site ☐ No ☐ Yes ☐ Unknown
 Explain:

7. Is the SITE or any ADJOINING PROPERTY CURRENTLY or PREVIOUSLY utilized as any of the following?
 Dry Cleaning Facility ☒ No ☐ Yes ☐ Unknown ☐ Site ☐ Adjoining Property to the _____
 Dates and Explain:

X-ray or Film Developing ☒ No ☐ Yes ☐ Unknown ☐ Site ☐ Adjoining Property to the _____
 Dates and Explain:

Is there a Metal Recovery System in Place? ☒ No ☐ Yes ☐ Unknown
 Explain:

Car Repair Shop: ☐ No ☒ Yes ☐ Unknown ☐ Site ☒ Adjoining Property to the _____
 Dates and Explain: MONROE MUFFLER - NORTH

Paint/Body Shop: ☒ No ☒ Yes ☐ Unknown ☒ Site ☐ Adjoining Property to the _____
 Dates and Explain: PAINT AREA onsite but getting rid of everything within the next month.

Gasoline Station: ☒ No ☐ Yes ☐ Unknown ☐ Site ☐ Adjoining Property to the _____
Dates and Explain:

→ Monroe Muffler

Industrial Property: ☒ No ☐ Yes ☐ Unknown ☐ Site ☐ Adjoining Property to the _____
Dates and Explain:

8. What are the CURRENT and PREVIOUS USE(S) of the ADJOINING PROPERTIES?

Direction	Current Use/Occupant	Past Uses/Occupant
North:	MONROE MUFFLER, VALVING, COLLISION REPAIR I 390, OFFICES, CHURCH HOTEL LAND	ENTER
South:		
East:		
West:		

9. Is SANITARY WASTE WATER CURRENTLY or was PREVIOUSLY Generated and how is/was it Disposed of?
☒ No ☐ Yes ☐ Unknown Discharge Point: ☐ Public System ☐ Private System ☐ Unknown
☒ Other (explain):

Is NON-SANITARY WASTE WATER CURRENTLY or was PREVIOUSLY Generated and how is/was it Disposed of?
☒ No ☐ Yes ☐ Unknown Discharge Point: ☐ Public System ☐ Private System ☐ Unknown
☐ Other (explain):

Are any of the following CURRENTLY or PREVIOUSLY located at the Site?

SEPTIC TANK: ☒ No ☐ Yes ☐ Unknown Location:
Dates of Usage:
LEACHFIELD: ☒ No ☐ Yes ☐ Unknown Location:
Dates of Usage:
INJECTION WELL: ☒ No ☐ Yes ☐ Unknown Location:
Dates of Usage:
DRY WELL: ☒ No ☐ Yes ☐ Unknown Location:
Dates of Usage:

Are any of the following CURRENTLY or PREVIOUSLY located at the Site?

FLOOR DRAINS: ☐ No ☒ Yes ☐ Unknown Location:
Discharge Point: PUBLIC
TRENCH DRAINS: ☒ No ☐ Yes ☐ Unknown Location:
Discharge Point: PUGGED
SUMP PUMPS: ☐ No ☒ Yes ☐ Unknown Location:
Discharge Point: PUBLIC
STORM DRAINS: ☐ No ☒ Yes ☐ Unknown Location:
Discharge Point: PUBLIC
OTHER: ☒ No ☐ Yes ☐ Unknown Location:
Discharge Point:

Are any FLOOR DRAINS, TRENCH DRAINS, or SUMPS connected to an OIL/WATER SEPERATOR?

☒ No ☐ Yes ☐ Unknown ☐ NA Location:
Dates of Usage:

10. Is the Site serviced with PUBLIC or PRIVATE WATER SYSTEMS and DATES of Connection, if known?

Type	Date of Connection/Usage
<input checked="" type="checkbox"/> Public	<input type="checkbox"/> Unknown
<input type="checkbox"/> Well	<input type="checkbox"/> NA

Are there, or were there ever any OBSERVATION or MONITORING WELLS located on-Site?

☐ No ☒ Yes ☐ Unknown ☐ NA
Location: Purpose: Dates of Usage/Installation:

groundwater

WWTP 1955-58
under annex building

11. Are ANY of the FOLLOWING located ON or ADJACENT TO the SITE? (Choose all that apply):

Type: Location:

- ☐ Surface water
☐ Ponds
☐ Creek
☐ Rivers
☐ Unknown

Type: Location:

- ☐ Pits
☐ Lagoons
☐ Drainage Ditch
☐ Lakes
☐ No

- Detent. Pond
NE of site

12. What type of heating does this property CURRENTLY or PREVIOUSLY have, if any?
Choose all that apply and identify the associated building(s) and dates of connection if applicable.

Type

Date(s) of Connection/Usage

Type

Date(s) of Connection/Usage

- ☒ Natural Gas
☐ Propane
☐ Coal
☐ Not Heated
☐ Other (explain)

- ☐ Oil
☐ Radiant
☐ Hot Water
☐ Unknown

If oil: How is/was the oil stored ☐ above ground storage tank ☐ underground storage tank (see Question 20)
Location:

13. Who Supplies ELECTRIC SERVICE to the Site?

- ☒ RG&E
☐ Other:

☐ National Grid

☐ NYSEG

☐ Unknown

☐ NA

14. What is the nature of SOLID WASTE Generated at the Site and Disposed of from the Site (including hazardous)?
Type of Waste? How is it stored? Who collects the waste?

~ 6

Clean Harbor

Waste management = dumpsters

Hazardous material

15. To the best of your knowledge, have you ever GENERATED or TRANSPORTED HAZARDOUS WASTE from the Site?
☐ No ☒ Yes ☐ Unknown (if Yes, please provide Manifests)

Explain:

SQG

16. Do you TREAT or DISPOSE of any WASTE MATERIALS on-Site? (i.e., land filling, neutralization, incineration)

☒ No ☐ Yes ☐ Unknown

Explain:

17. Has any OTHER ENTITY ever been allowed to DUMP, STORE, DISPOSE, TRANSPORT, BURY, INCINERATE, OR LANDFILL any materials at the Site? ☒ No ☐ Yes ☐ Unknown
Who? What? When? Location:

18. Has FILL DIRT been brought onto the Site from an UNKNOWN ORIGIN OR CONTAMINATED SITE?

☐ No ☒ Yes ☐ Unknown

Explain:

From 390

19. Are there areas of the Site in which the any of the following were or are located? ☐ Unknown ☒ No

Type:

Location:

Type:

Location:

- ☐ Gravel
☐ Construction Materials
☐ Other (explain):

- ☐ Debris
☐ Tree/Brush

20. Are there CURRENTLY or PREVIOUSLY any ABOVE (AST) or UNDERGROUND (UST) STORAGE TANKS located at the Site?

☐ No ☒ Yes ☐ Unknown

Are they REGISTERED with the NYSDEC? ☐ No ☐ Yes ☐ Unknown

Tank Type (AST/UST)

Capacity (Gallons)

Product

Installation Date

Removal/Closure Date

AST

55 gal

Hydraulic Oil

Are there any LEAK DETECTION DEVICES in place? ☒ No ☐ Yes ☐ Unknown
Explain:

Have any TANKS been: ☐ Unknown ☐ No

Date(s):

☒ REMOVED from the Site

Explain:

☐ CLOSED in place at the Site

Explain:

Is DOCUMENTATION Available? ☐ No ☒ Yes ☐ Unknown Please provide copy.

Has any CONTAMINATION been identified or REMEDIATION been required at the Site; related to CURRENT OR PRIOR TANKS? ☒ No ☐ Yes ☐ Unknown

Explain:

21. What type of CHEMICALS are CURRENTLY or have PREVIOUSLY been STORED or UTILIZED on Site?
Type: Usage: Storage Container: Disposal Method:

40 TCA degreaser agent

10 TCE

plating

oil - iron phosphate for
55 gal drums

Are MSDS sheets readily available for these chemicals? ☐ No ☒ Yes ☐ Unknown (if Yes, please provide copies)

22. Have there been any SPILLS, UNPERMITTED DISCHARGES, or RELEASES of HAZARDOUS or CONTAMINATED MATERIALS or PETROLEUM PRODUCTS at or in the vicinity of the Site? ☒ No ☐ Yes ☐ Unknown
What? When? Location:

23. Are you AWARE if the SITE is listed as any of the following -Check all that Apply: ☐ No
(please provide information for 'yes' responses)

Regulatory Listing:

Explain:

- ☐ National Priority or Delisted Priority List
☐ CERLCIS Site
☐ CERCLIS NFRAP Site
☒ RCRA Generator Facility
☐ RCRA Treatment/Storage/Disposal Facility
☐ State or Local Landfill
☐ National Response Site
☐ NYSDEC Spill Site
☐ Hazardous Waste Disposal Site
☐ Brownfield or Voluntary Cleanup Site
☐ Institutional or Environmental Control Site
☐ Hazardous Substance Site

SQR

24. To the best of your knowledge, do you have any FEDERAL, STATE, or LOCAL PERMITS for the following?
☐ None ☒ Air Emissions ☐ SPDES (waste water discharge)
Explain:

~20 - needs to be updated

25. Has the Site ever been the subject of an ENFORCEMENT ACTION by any FEDERAL, STATE, or LOCAL agency regarding ENVIRONMENTAL ISSUES? ☒ No ☐ Yes ☐ Unknown
Explain and provide DATES and any Documentation:

26. Is the Site presently under any FEDERAL, STATE, or LOCAL CONSENT ORDERS, DECREES, or CAUSE of ACTION?
☒ No ☐ Yes ☐ Unknown
 Explain and provide DATES and any Documentation:
27. Are you aware of any ENVIRONMENTAL LIENS on the Site? ☒ No ☐ Yes ☐ Unknown
 Explain:
28. Are you aware of any LAND USE or ACTIVITY LIMITATIONS that are in place on the Site or have been FILED or RECORDED in a registry? ☒ No ☐ Yes ☐ Unknown
 Explain:
29. Are you aware of any KNOWLEDGE or INDICATORS related to the Site that point to the PRESENCE or LIKELY PRESENCE of CONTAMINATION? ☐ No ☒ Yes ☐ Unknown
 Explain:
30. Are you aware if the PURCHASE PRICE of this Site reasonably reflects the fair market value of the property?
☐ No ☒ Yes ☐ Unknown ☐ NA (Site is not being sold at this time)
 Explain:
31. Has there ever been PREVIOUS Phase I Environmental Site Assessments or environmental audits performed for the Site?
☐ No ☒ Yes ☐ Unknown (if Yes, please provide copies if possible)
 If yes, by Whom? Date?
 Concerns identified: ☐ No ☒ Yes ☐ Unknown
 Explain:
32. Is the ABSTRACT OF TITLE for the Site available? ☒ No ☐ Yes ☐ Unknown
 (If Yes, please provide if possible or provide name and contact information for attorney that may have report)
33. Do you have any additional information or specialized knowledge or experience regarding the Site?
☒ No ☐ Yes ☐ Unknown
 Explain:

Self contained parts washer
 Safety clean

APPENDIX 6

Local Government Records

Tax ID 162.100-0001-001.00000	Owner	Print Key 162.10-1-1	
Street Address 1777 EAST HENRIETTA RD	Co Owner	Municipality Town of HENRIETTA	SWIS CODE 263200
Mailing Address	Subdivision / Cross Street T LOT 5 3RD R 221892 1955	Property Description MANUFACTURING Use Code 710	

Year Built 1960	Heat	# of Bedrooms 0.0	Sq. Footage 286,732	# of Stories 1
House Type	Fuel	# of Baths 0.0	1st Floor SQFT 0	# Res. Units 0
Basement	Water PUBLIC		2nd Floor SQFT 0	# of Buildings 1
Exterior	Sewer NONE	# of Fireplaces 0	Base SQFT 9,920	# of Garages 0
	Central Air			Story Height 18
Assessment 9,554,200	School RUSH-HEN	North 1125480		
Land Value 1,894,500	School Tax \$180,890.65	East 759610		
Equalization Value 100% 9,554,200	City Tax \$0.00	Latitude 43.0848172		
Account # 7001306000	County Tax \$132,243.09	Longitude -77.611221		

Improvements

Improvement Type	Dimensions	SQ. Feet	Year	Improvement Type	Dimensions	SQ. Feet	Year
# 1 LD DOCK,ST/C	1122 X 0	1122	1974	# 3	0 X 0	0	
# 2 PAVNG,ASPHLT	232100 X 0	232100	1976	# 4	0 X 0	0	

Land Characteristics	Total Acres 34.90	Land SQ FT 1,520,244	Lot Size 752 x 0
Primary 34.90	Secondary	Leased 34.90	Undeveloped
Wetlands	Water Front	Residual	Tillabe
Waste	Muck	Orchards	Vineyards
			Wooded
			Pasture
			Rear

Sales History

Grantor	Sale Price	Sale Date	Deed Book	Deed Page	Deed Valid	Deed Type	ARMS Length
		/ /					

Notes



Town of Henrietta
475 Calkins Road
Henrietta, New York 14467
PH: (585) 334-7700 FAX: (585) 334-9667

APPLICATION FOR PUBLIC ACCESS TO RECORDS (F.O.I.L.)

TO: Patricia Shaffer, Records Access Officer

I hereby apply to: **Inspect** ☒ **Obtain a Copy*** ☐ of the following record(s):

Address Of Request: **1777 East Henrietta Road**

SBL# (Tax ID): **162.10-1-1**

☐ Residential
☒ Commercial

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> Fuel Storage Tanks | <input checked="" type="checkbox"/> Certificate of Occupancy | <input checked="" type="checkbox"/> Environmental Concern (List Specifics Below) |
| <input checked="" type="checkbox"/> Fire Violations | <input checked="" type="checkbox"/> Deed References / History | <input checked="" type="checkbox"/> Building Plans (List Specifics Below) * |
| <input checked="" type="checkbox"/> Property Maint. / Code Violation | <input checked="" type="checkbox"/> Property History | <input checked="" type="checkbox"/> Subdivision Plan (List Specifics Below) * |
| <input type="checkbox"/> Letters of Compliance * | <input type="checkbox"/> Site Plan (List Specifics Below) * | <input type="checkbox"/> Other (List Specifics Below) |

Specifics/Other:

Environmental records, violations, spills, leaks, past ownership and assessment (zoning, owner, acreage) information.


Signature

LaBella Associates, P.C.

Representing

300 State Street, Rochester, NY 14614

Mailing Address

Danielle Kaveney

Print Name

1-13-2014

Date

585-295-6110

Business Phone

* FEE SCHEDULE:

Letters of Compliance..... \$40
Building Plans, Subdivision
Plans & Site Plans
- 24 x 48 Per Sheet..... \$5
- 36 x 48 Per Sheet..... \$10
Copy of Record Requested..... \$.25
(Each 8.5 x 11 Per Side, Except
as otherwise noted above)

OFFICE USE ONLY

☐ **Approved**

☐ **Denied, for reason(s) checked below:**

- | | |
|---|---|
| <input type="checkbox"/> Confidential Disclosure | <input type="checkbox"/> Record is not maintained by this Agency |
| <input type="checkbox"/> Part of Investigatory Files | <input type="checkbox"/> Exempted by Statute other than the Freedom of Information Act |
| <input type="checkbox"/> Unwarranted Invasion of Personal Privacy | <input type="checkbox"/> Record of which this Agency is Legal Custodian Cannot be Located |
| <input type="checkbox"/> Other: _____ | |

Records Access Officer: _____

Signature

Date

NOTICE: You have a right to appeal a denial of this Application. I hereby request an appeal:

Signature

Date

Sybron Castle
TOWN OF HENRIETTA

LOT # _____ STREET ADDRESS 1777 East Henrietta Road
C.O. ISSUED _____
TAX ACCT. # 406-000 OWNER Wilnot Castle (Sybron Castle)
BLDG. PERMIT # I-1607 BLDG. FEE \$720.00 + 25. C.P.D. 9-19-80
LOT FEE INV. # _____ LOT FEE _____ PD. _____
SUBDIVISION _____ SECTION # _____
BUILDER John B. Pike SUBDIVISION TOWN BOARD APP. _____
TO ASSESSORS OFFICE _____ ESTIMATED COST \$500,000.00
LETTER OF CREDIT-PERFORMANCE BOND AMOUNT 9-22-80 DATE _____
ZONE-RES. _____ CLASS _____ COMM. _____ IND. X CLASS _____
SEWER PERMIT # _____ SEWER FEE _____ PD. _____
SEWER ENTRANCE LATERAL FEE _____ PD. _____
PLUMBER _____ LICENSE # _____ PERMIT # _____
HEALTH DEPT. WATER APP. _____ SEPTIC SYSTEM APP. _____ INSP. _____
TOWN BOARD ACC. OF WORK-WATER & SEWER _____ ROADS _____ PARKS _____
WORKMANS COMPENSATION OR AFFIDAVIT _____ BLDG. CODE BUREAU APP. _____
LANDSCAPING-IF REQUIRED _____
STYLE OR TYPE OF BLDG. 1 story masonry addition
SIZE 90'0" x 160'0" NO. OF STORIES 1 TOTAL SQ. FT. 14,400
SQ. FT. 1ST FLOOR _____ 2ND FLOOR _____ BASEMENT _____
SIZE-GARAGE _____ PORCH _____ BREEZEWAY _____
FAMILY ROOM _____
SET BACKS: FRONT _____ REAR _____ SIDES _____

COMMENTS: Initial 3/6 7/23/80 & J. L. Dueschman - Complete Posture 9-20-80 & J. L. Dueschman

COMMENTS:

COMMENTS:

COMMENTS: _____

SEWER LATERAL INSPECTION: DATE _____ INSPECTOR _____ TIME _____

WATER METER INSTALLED: DATE _____ WATER METER NO. _____ CONTRACT NO. _____

OTHER INFORMATION:

VARIANCE NO. _____ APPROVED _____

STIPULATIONS

SPECIAL PERMIT NO. _____ APPROVED _____

STIPULATIONS

SPECIAL EXCEPTION PERMIT _____ APPROVED BY ENGINEER _____

STIPULATIONS _____

HIGHWAY PERMIT; STATE _____ COUNTY _____ TOWN _____

DEPARTMENT OF LABOR APPROVAL _____ ARCHITECT SEAL _____

Castle

TOWN OF HENRIETTA

LOT # _____ STREET ADDRESS 1777 East Henrietta Road
C.O. ISSUED _____
TAX ACCT. # 406-000 OWNER Castle Company
BLDG. PERMIT # I-1527 BLDG. FEE \$10.00 PD. 12-12-78
LOT FEE INV. # _____ LOT FEE _____ PD. _____
SUBDIVISION _____ SECTION # _____
BUILDER Narhan Construction SUBDIVISION TOWN BOARD APP. _____
TO ASSESSORS OFFICE 12-18-78 ESTIMATED COST \$5000.00
LETTER OF CREDIT - PERFORMANCE BOND AMOUNT _____ DATE _____
ZONE-RES. _____ CLASS _____ COMM. _____ IND. X CLASS _____
SEWER PERMIT # _____ SEWER FEE _____ PD. _____
SEWER ENTRANCE LATERAL FEE _____ PD. _____
PLUMBER _____ LICENSE # _____ PERMIT # _____
HEALTH DEPT. WATER APP. _____ SEPTIC SYSTEM APP. _____ INSP. _____
TOWN BOARD ACC. OF WORK-WATER & SEWER _____ ROADS _____ PARKS _____
WORKMANS COMPENSATION OR AFFIDAVIT _____ BLDG. CODE BUREAU APP. _____
LANDSCAPING-IF REQUIRED _____
STYLE OR TYPE OF BLDG. 1 story concrete building (Guard House)
SIZE 10'0" x 10'0" NO. OF STORIES _____ TOTAL SQ. FT. _____
SQ. FT. 1ST FLOOR _____ 2ND FLOOR _____ BASEMENT _____
SIZE-GARAGE _____ PORCH _____ BREEZEWAY _____
FAMILY ROOM _____
SET BACKS: FRONT _____ REAR _____ SIDES _____

1ST (WALL) INSPECTION: DATE _____ INSPECTOR _____ TIME _____

COMMENTS: _____ INSPECTOR _____ TIME _____

2ND (FRAMING & PLUMBING) INSPECTION: DATE _____ INSPECTOR _____ TIME _____

COMMENTS: _____ INSPECTOR _____ TIME _____

3RD (UNDERGROUND PLUMBING) INSPECTION: DATE _____ INSPECTOR _____ TIME _____

COMMENTS: _____ INSPECTOR _____ TIME _____

4TH (FINAL) INSPECTION: DATE _____ INSPECTOR _____ TIME _____

COMMENTS: _____ INSPECTOR _____ TIME _____

WATER LINE SERVICE INSPECTION: DATE _____ INSPECTOR _____ TIME _____

SEWER LATERAL INSPECTION: DATE _____ INSPECTOR _____ TIME _____

FUA REC. _____ GAS REC. _____ TLM. REC. _____ CONTRACT NO. _____

WATER METER INSTALLED: DATE _____ WATER METER NO. _____ PAID _____

OUT OF DISTRICT: WATER _____ SEWER _____ WATER METER/FEE: _____

OTHER INFORMATION:

VARIANCE NO. _____ APPROVED _____

STIPULATIONS _____ APPROVED _____

SPECIAL PERMIT NO. _____ APPROVED _____

STIPULATIONS _____ APPROVED BY ENGINEER _____

SPECIAL EXCEPTION PERMIT _____

STIPULATIONS _____

HIGHWAY PERMIT: STATE _____ COUNTY _____ TOWN _____

DEPARTMENT OF LABOR APPROVAL _____ ARCHITECT SEAL _____

Castle Co.

TOWN OF HENRIETTA

LOT # _____ STREET ADDRESS 1777 East Henrietta Road
C.O. ISSUED 11-25-75
TAX ACCT. # 406-000 OWNER Castle Co. Div. Sybron Corp.
BLDG. PERMIT # T-1221 BLDG. FEE \$108.00 + \$10.00 C.O.PD. 11-14-74
LOT FEE INV. # _____ LOT FEE _____ PD. _____
SUBDIVISION _____ SECTION # _____
BUILDER John B. Pike & Son Inc. SUBDIVISION TOWN BOARD APP. _____
TO ASSESSORS OFFICE 1-6-75 ESTIMATED COST \$150,000.00
LETTER OF CREDIT - PERFORMANCE BOND AMOUNT _____ DATE _____
ZONE-RES. _____ CLASS _____ COMM. _____ IND. ☒ CLASS _____
SEWER PERMIT # _____ SEWER FEE _____ PD. _____
SEWER ENTRANCE LATERAL FEE _____ PD. _____
PLUMBER _____ LICENSE # _____ PERMIT # _____
HEALTH DEPT. WATER APP. _____ SEPTIC SYSTEM APP. _____ INSP. _____
TOWN BOARD ACC. OF WORK - WATER & SEWER _____ ROADS _____ PARKS _____
WORKMANS COMPENSATION OR AFFIDAVIT 6-30-75 BLDG. CODE BUREAU APP. _____
LANDSCAPING - IF REQUIRED _____
STYLE OR TYPE OF BLDG. 1 story masonry & steel and relocate existing rear structure 15'8" x 30'8"
SIZE 40'2" x 75'9" x 27'0" high NO. OF STORIES X TOTAL SQ. FT. 3522
SQ. FT. 1ST FLOOR _____ 2ND FLOOR _____ BASEMENT _____
SIZE - GARAGE _____ PORCH _____ BREEZEWAY _____
FAMILY ROOM _____
SET BACKS: FRONT _____ REAR _____ SIDES _____

1ST (WALL) INSPECTION: DATE 5-1-75 INSPECTOR H. Davis TIME 1:00

COMMENTS: 11110 + Roof 4-22-75 - H. Davis

2ND (FRAMING & PLUMBING) INSPECTION: DATE _____ INSPECTOR _____ TIME _____

COMMENTS: _____

3RD (UNDERGROUND PLUMBING) INSPECTION: DATE _____ INSPECTOR _____ TIME _____

COMMENTS: _____

4TH (FINAL) INSPECTION: DATE 6-5-75 INSPECTOR H. Davis TIME _____

COMMENTS: 11110 + Roof 4-22-75 - H. Davis

WATER LINE SERVICE INSPECTION: DATE _____ INSPECTOR _____ TIME _____

SEWER LATERAL INSPECTION: DATE _____ INSPECTOR _____ TIME _____

FUA REC. 11-22-75 GAS REC. _____ TLM. REC. 8/75 TIME _____

WATER METER INSTALLED: DATE _____ WATER METER NO. _____ CONTRACT NO. _____

OUT OF DISTRICT: WATER _____ SEWER _____ WATER METER/FEE: _____ PAID _____

OTHER INFORMATION:

VARIANCE NO. _____ APPROVED _____

STIPULATIONS _____

SPECIAL PERMIT NO. _____ APPROVED _____

STIPULATIONS _____

SPECIAL EXCEPTION PERMIT _____ APPROVED BY ENGINEER _____

STIPULATIONS _____

HIGHWAY PERMIT: STATE _____ COUNTY _____ TOWN _____

DEPARTMENT OF LABOR APPROVAL _____ ARCHITECT SEAL _____



TOWN OF HENRIETTA

County of Monroe
State of New York

475 Calkins Road
Henrietta, New York 14467

Office of Fire Prevention
334-7700

Nº 540

FIRE CODE PERMIT

Date 4/25/88

Expires 5/25/88

The following permit is issued for Fuel Tank removal (2) 10,000
gallon Fuel Oil

To be used at 1777 E. Henrietta Rd (see sketch)
CASTLE Company

Issued to City Comp & Tank (Owner)
(Agent)

Address 1723 Clifford Ave

Phone No. 288-0001

Items noted or stipulations: 1. NOTIFY Fire Marshal prior to beginning
work.

2. Remove Tanks from site immediately

3. NO cutting Tanks with torches.

This permit must be kept posted at all times on the premises it is issued for. This permit is issued and accepted on condition that all Fire Prevention Code provisions now adopted or that may here-after be adopted be complied with.

Fee: 25⁰⁰

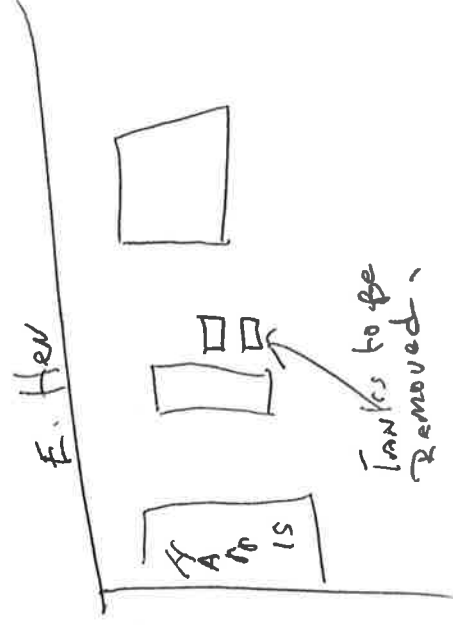
Issued by Robert Perreault
Fire Marshal/Deputy

Castle Co

1777 E. Hen Rd

Remove 2 10,000 gallon Fuel Oil Tanks

- 1) Remove from Site immediately upon getting them above ground
- 2) Notify Fire Marshal when work commences



January 13, 2014

Mrs. Jill Bishop
New York State Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, New York 14414

Re: Foil Request
Owner: Unknown
Address: 1777 East Henrietta Road, Henrietta, NY
Tax ID #162.10-1-1
LaBella Project No. 214142

Dear Mrs. Bishop:

Please accept this letter as a formal request for inspection records from the following NYSDEC Departments for review/copies for the above referenced property, if available.

- | | |
|---|--|
| ✓ Environmental Enforcement | ✓ Air |
| ✓ Environmental Permits (Not general construction permits) | ✓ Law Enforcement/Investigations |
| ✓ Environmental Remediation | ✓ Legal |
| ✓ Hazardous Materials | ✓ Water – including septic system installation, SPEDES permits and stormwater database information |
| ✓ Solid Materials | ✓ Spills/Petroleum Bulk Storage |
| ✓ Land Use Restrictions including Institutional and/or Engineering Controls | ✓ Brownfields Cleanup Program or Voluntary Cleanup Program |

Please contact me at (585) 295-6247 or dkaveney@labellapc.com with any questions or if additional information is required.

Respectfully submitted,

LABELLA ASSOCIATES, P.C.



Danielle Kaveney
Environmental Engineer

NYS Department of Environmental Conservation

Region 8 Freedom of Information Law

6274 East Avon-Lima Road

Avon, New York 14414-9519

Website: www.dec.state.ny.gov



Joe Martens
Commissioner

January 16, 2014

Ms. Danielle Kaveney
Labella Associates Pc
300 State Street, Suite 201
Rochester, NY 14614

FOIL Request Number 14-0025

Dear Ms. Kaveney:

This is to acknowledge receipt of your Freedom of Information Law (FOIL) request and to advise you we are conducting a file search for the following parcel(s) of real property:

1777 East Henrietta Road, Henrietta, NY

Please note, we do not search for spill files without a spill number. If you are interested in spill information and have not already provided us with a spill number, we refer you to the NYSDEC spill website: <http://www.dec.ny.gov/chemical/8437.html>.

If you locate a spill number from the database you may contact me for a copy of the spill fact sheet or other information that is included in the file. If you do not have access to a computer, please call me at (585) 226-5363.

Also, be advised if you are asking us to check for properties in the surrounding area, we are unable to do a search by radius. We need names and addresses for each property. Due to the large volume of requests we receive, you may expect a reply in about four weeks.

If you call or write, refer to Request Number 14-0025.

Sincerely,

Jill Bishop

Jill Bishop
Region 8 FOIL Coordinator

NYS Department of Environmental Conservation

Region 8 Freedom of Information Law

6274 East Avon-Lima Road

Avon, New York 14414-9519

Website: www.dec.state.ny.gov



Joe Martens
Commissioner

2/4/2014

Danielle Kaveney
Labella Associates Pc
300 State Street, Suite 201
Rochester, NY 14614

FOIL ID: 14-0025

Subject: 1777 East Henrietta Road, Henrietta, NY

Dear Ms. Kaveney:

Your request has been reviewed for the above referenced records under the New York State's Freedom of Information Law (FOIL). Please note that most of our records are filed by names of individuals or corporations. We have no way of locating or retrieving records if they are filed under names or addresses other than those you have provided. If no records have been located, this does not necessarily mean, and should not be interpreted to mean that there have never been any violations, complaints, claims, investigations, or inquiries involving those names or addresses. We cannot make any representations as to whether there are or have been any such violations, complaints, claims, investigations, or inquiries.

Please Note: Unless you gave us a spill number, we did not do a search of the spills files. We did not inquire whether the Albany office or other regional offices of our Department have records of the type you requested. We did not check for the existence or proximity to a State regulated wetland.

☐

After a diligent search, no records could be located for the names and/or addresses you provided.

☒

Records have been found by the following units and are available for review and/or copying. The size of the file(s) are listed to the right of the unit(s).

Environmental Permits - 0.25 inches

Spills/PBS - 0.1 inches

Total: 0.35 inches

Please contact Karen Page at (585) 226-5394 to schedule an appointment to review the records.

There is no charge to review records or for copies of seven or fewer pages. By law, copy charges will not exceed 25 cents per page or the actual cost of copying. Photographs, maps, oversized documents, videotapes, or audio tapes generally cost more than 25 cents per page to copy. You may be required to pay a deposit prior to copies being made and/or to pay all copy charges prior to copies being sent.

Depending on the volume of copies requested, they may be sent to an outside copy service. If you desire to review the records, please be aware that due to limited office space, only two people can be accommodated in the document review area.

Please inform us within 14 days from the date of this letter how you wish to proceed. After that time you will need to resubmit your request.



PBS # :
8-001856

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Petroleum Bulk Storage Program
Facility Information Report

Printed : 2/4/2014

pbsfacrpt_foil.rpt

Page 1 of 1

Site Information

MDT BIOLOGIC COMPANY
CASTLE CO/DIVISION OF SYBRON
1777 EAST HENRIETTA ROAD
ROCHESTER, NY 14623

Site Phone: (716) 475-1400

Town: Henrietta

County: Monroe

Class B (On-Site) Operator: CASTLE CO/DIVISION OF SYBRON

Class A (Primary) Operator:

Emergency Contact: SCOTT LESNICK

Tax Map Information

Borough/Section:

Block:

Lot:

Site Owner Information

MDT BIOLOGIC/CASTLE CO/DIVISION
1777 EAST HENRIETTA ROAD
ROCHESTER, NY 14623

(716) 475-1400

Owner Type : Corporate/Commercial/Other

Mail Correspondent Information

MDT BIOLOGIC CO
CASTLE CO/DIVISION OF SYBRON
1777 EAST HENRIETTA ROAD
ROCHESTER, NY 14623

ATTN:

(716) 475-1400

Authorized Representative:

Emergency Phone: (716) 272-5280

Site Status : Unregulated (<1101 gal.) Reg Expires : 04/15/1991 Cert Printed: 04/15/1986 Total Active Tanks : 0 Last Inspected:

Site Type: Manufacturing (Other than Chemical)/Processing Cert Issued: 02/27/1986 Total Active Capacity : 0 Inspected By:

<u>(2)</u> <u>Tank</u> <u>No</u>	<u>(3)</u> <u>Tank</u> <u>Loc</u>	<u>(4)</u> <u>Status</u>	<u>(5)</u> <u>Date</u> <u>Install</u>	<u>(5)</u> <u>Date</u> <u>Closed</u>	<u>(6)</u> <u>Capacity</u> <u>(gals)</u>	<u>(7)</u> <u>Product</u>	<u>(8)</u> <u>Tank</u> <u>Type</u>	<u>(9)</u> <u>Tank</u> <u>IP</u>	<u>(10)</u> <u>Tank</u> <u>EP</u>	<u>(11)</u> <u>Tank</u> <u>SC</u>	<u>(12)</u> <u>Tank</u> <u>LD</u>	<u>(13)</u> <u>Tank</u> <u>OP</u>	<u>(14)</u> <u>Tank</u> <u>SP</u>	<u>(15)</u> <u>Tank</u> <u>Disp</u>	<u>(16)</u> <u>Pipe</u> <u>Loc</u>	<u>(17)</u> <u>Pipe</u> <u>Type</u>	<u>(18)</u> <u>Pipe</u> <u>EP</u>	<u>(19)</u> <u>Pipe</u> <u>SC</u>	<u>(20)</u> <u>Pipe</u> <u>LD</u>	<u>(21)</u> <u>UDC</u>	<u>Last</u> <u>Test</u> <u>Date</u>	<u>Next</u> <u>Test</u> <u>Date</u>	<u>Tank</u> <u>Owner</u>	
001	5	3	02/01/1955	05/01/1988	10,000	0001	01	00	00	03	99	04		02	02	01	00							
002	5	3	02/01/1955	05/01/1988	10,000	0001	01	00	00	03	99	04		02	02	01	00							

(See Reverse Side or Last Page for Code Keys)



PBS # :
8-001856

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Petroleum Bulk Storage Program
Facility Information Report

Printed : 2/4/2014

pbsfacrpt_foil.rpt

Page 1 of 1

PETROLEUM BULK STORAGE APPLICATION - SECTION B - TANK INFORMATION - CODE KEYS

Action (1)

1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Recondition/Repair/Reline Tank

Tank Location (3)

1. Aboveground-contact w/soil
2. Aboveground-contact w/impervious barrier
3. Aboveground on saddles, leggs, stilts, rack or cradle
4. Aboveground with 10% or more below ground
5. Underground
6. Aboveground in Subterranean Vault w/access for inspections

Status (4)

1. In-service
2. Temporarily out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-Regulated use

Products Stored (7)

Heating Oils: On-Site Consumption

- 0001. #2 Fuel Oil
- 0002. #4 Fuel Oil
- 0259. #5 Fuel Oil
- 0003. #6 Fuel Oil
- 0012. Kerosene
- 0591. Clarified Oil
- 2711. Biodiesel (Heating)
- 2642. Used Oil (Heating)

Heating Oils: Resale/Redistribution

- 2718. #2 Fuel Oil
- 2719. #4 Fuel Oil
- 2720. #5 Fuel Oil
- 2721. #6 Fuel Oil
- 2722. Kerosene
- 2723. Clarified Oil
- 2724. Biodiesel (Heating)

Motor Fuels

- 0009. Gasoline
- 2712. Gasoline/Ethanol
- 0008. Diesel
- 2710. Biodiesel
- 0011. Jet Fuel
- 1044. Jer Fuel (Biofuel)
- 2641. Aviation Gasoline

Lubricating/Cutting Oils

- 0013. Lube Oil
- 0015. Motor Oil
- 1045. Gear/Spindle Oil
- 0010. Hydraulic Oil
- 0007. Cutting Oil
- 0021. Transmission Fluid
- 1836. Turbine Oil
- 0308. Petroleum Grease

Oils Used as Building Materials

- 2626. Asphaltic Emulsions
- 0748. Form Oil

Petroleum Spirits

- 0014. White/Mineral Spirits
- 1731. Naptha

Mineral/Insulating Oils

- 0020. Insulating Oil (e.g., Transformer, Cable Oil)
- 2630. Mineral Oil

Waste/Used/Other Oils

- 0022 Waste/Used Oil
- 9999. Other-Please list:*

Crude Oil

- 0006. Crude Oil
- 0701. Crude Oil Fractions

Tank Type (8)

- 01. Steel/Carbon Steel/Iron
- 02. Galvanized Steel Alloy
- 03. Stainless Steel Alloy
- 04. Fiberglass Coated Steel
- 05. Steel Tank in Concrete
- 06. Fiberglass Reinforced Plastic (FRP)
- 07. Plastic
- 08. Equivalent Technology
- 09. Concrete
- 10. Urethane Clad Steel
- 99. Other-Please list:*

Internal Protection (9)

- 00. None
- 01 Epoxy Liner
- 02. Rubber Liner
- 03. Fiberglass Liner (FRP)
- 04. Glass Liner
- 99. Other-Please list:*

External Protection (10/18)

- 00. None
- 01. Painted/Asphalt Coating
- 02. Original Sacrificial Anode
- 03. Original Impressed Current
- 04. Fiberglass
- 05. Jacketed
- 06. Wrapped (Piping)
- 07 Retrofitted Sacrificial Anode
- 08. Retrofitted Impressed Current
- 09. Urethane
- 99. Other-Please list:*

Tank Secondary Containment (11)

- 00. None
- 01. Diking (Aboveground Only)
- 02. Vault (w/access)
- 03. Vault (w/o access)
- 04. Double-Walled (Underground Only)
- 05. Synthetic Liner
- 06. Remote Impounding Area
- 07. Excavation Liner
- 09. Modified Double-Walled (Aboveground Only)
- 10. Impervious Underlayment (Aboveground Only)**
- 11. Double Bottom (Aboveground Only)**
- 12. Double-Walled (Aboveground Only)

Tank Leak Detection (12)

- 00. None
- 01. Interstitial Electronic Monitoring
- 02. Interstitial Manual Monitoring
- 03. Vapor Well
- 04. Groundwater Well
- 05. In-Tank System (Auto Tank Gauge)
- 06. Impervious Barrier/Concrete Pad (Aboveground Only)
- 99. Other-Please list:*

Overfill Protection (13)

- 00. None
- 01. Float Vent Valve
- 02. High Level Alarm
- 03. Automatic Shut-Off
- 04. Product Level Gauge (Aboveground Only)
- 05. Vent Whistle
- 99. Other-Please list:*

Spill Prevention (14)

- 00. None
- 01. Catch Basin
- 99. Other-Please list:*

Pumping/Dispensing Method (15)

- 00. None
- 01. Presurized Dispenser
- 02. Suction Dispenser
- 03. Gravity
- 04. On-Site Heating System (Suction)
- 05. On-Site Heating System (Supply/Return)
- 06. Tank-Mounted Dispenser
- 07. Loading Rack/Transfer Pump

Piping Location (16)

- 00. No Piping
- 01. Aboveground
- 02. Underground/On-ground
- 03. Aboveground/Underground Combination

Piping Type (17)

- 00. None
- 01. Steel/Carbon Steel/Iron
- 02. Galvanized Steel
- 03. Stainless Steel Alloy
- 04. Fiberglass Coated Steel
- 05. Steel Encased in Concrete
- 06. Fiberglass Reinforced Plastic (FRP)
- 07. Plastic
- 08. Equivalent Technology
- 09. Concrete
- 10. Copper
- 11. Flexible Piping
- 99. Other-Please list:*

Piping Secondary Containment (19)

- 00. None
- 01. Diking (Aboveground Only)
- 02. Vault (w/access)
- 04. Double-Walled (Underground Only)
- 06. Remote Impounding Area
- 07. Trench Liner
- 12. Double-Walled (Aboveground Only)

Pipe Leak Detection (20)

- 00. None
- 01. Interstitial Electronic Monitoring
- 02. Interstitial Manual Monitoring
- 03. Vapor Well
- 04. Groundwater Well
- 07. Pressurized Piping Leak Detector
- 09. Exempt Suction Piping
- 99. Other-Please list:*

Under Dispenser Containment (UDC) (21)

Check Box if Present

* If other, please list on a separate sheet including tank number,

** Each of these codes must be combined with code 01 or 06 to meet compliance requirements.

Engineering
Architecture
Environmental

ABELLA

Associates, P.C.

300 State Street, Suite 201, Rochester, NY 14614

Phone 585.454.6110
Fax 585.454.3086
www.labellapc.com

Company: Monroe County Access Officer
Attention: Record Access Officer
From: Danielle Kaveney
Re: Local Disposal and Health Information
Date: 1-13-2014 **Project Number:** 214142
Fax Number: (585) 753-1068 **Phone Number:** (585) 753-1080

We are transmitting 2 pages, including this cover sheet.

MESSAGE:

Please find the attached Freedom of Information Act request.

14-0095

These items are transmitted as checked below:

☒ For Your Use ☐ As requested ☒ For Review and Comment
☐ Originals will be mailed ☐ Originals will not be mailed

If there is a problem with this transmittal please call as soon as possible. Thank you

Signed: Danielle Kaveney



**Application for Access to Records
Freedom of Information Law (FOIL)
Monroe County, New York**

I hereby apply to ☐ inspect ☒ obtain a copy of the following records:*

Please be specific: Local Disposal Information and Health Department Records for

Owner: Unknown

Address: 1777 East Henrietta Road, Henrietta, New York

Tax ID# 162.10-1-1

LaBella Project # 214142

Name: (please print) Danielle Kaveney

Representing: (if applicable) LaBella Associates, PC

Mailing Address: 300 State Street, Suite 201

City, state, zip code: Rochester, New York 14614

Signature: Danielle Kaveney

Date: 1/13/14

Telephone: (include area code) (585)-295-6247

**There is no charge for the inspection of documents; however, if duplication is requested by you, a charge of \$.25 per page is payable to Monroe County.*

Notice: You have a right to appeal denial of this application.

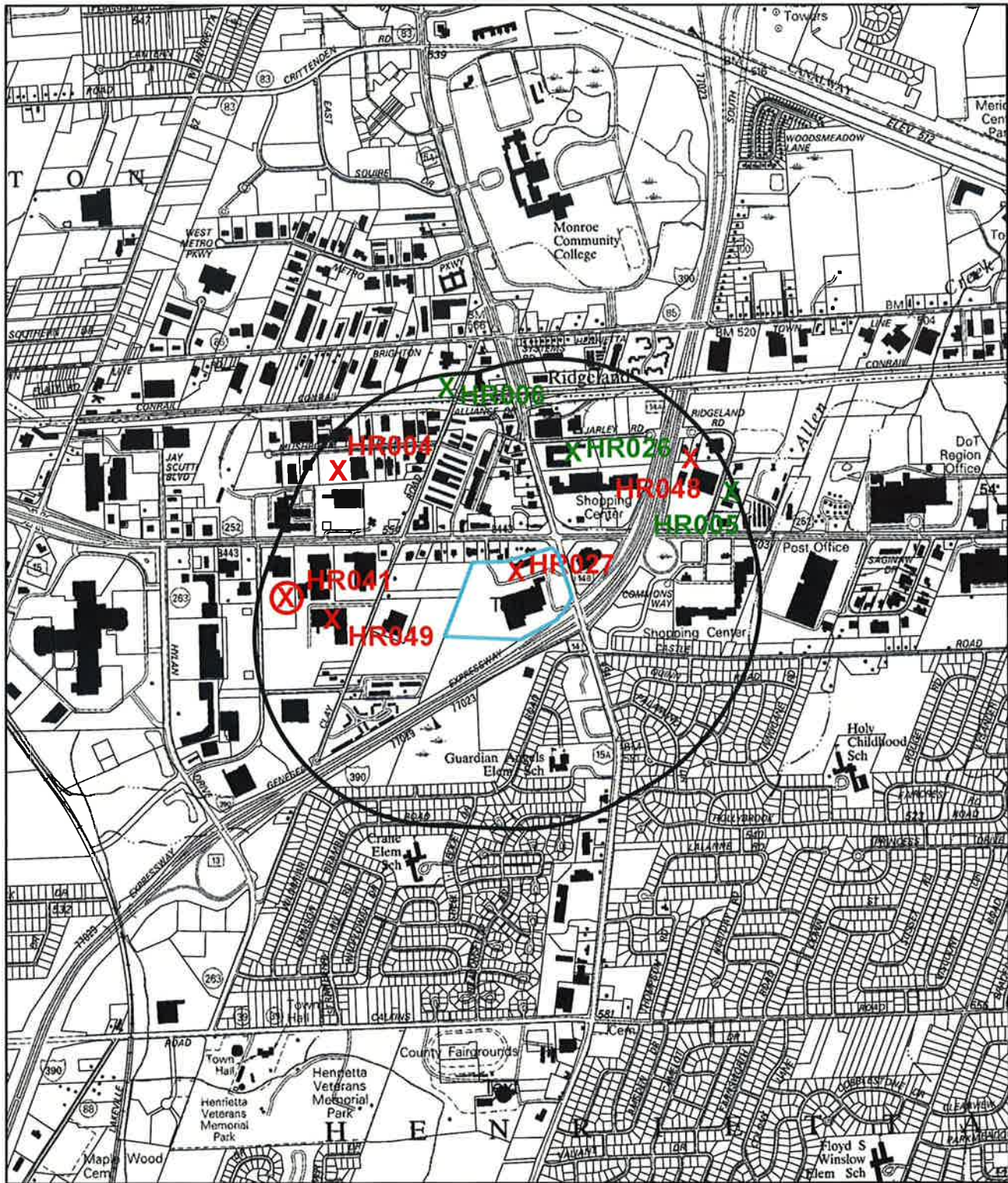
Send Request to:

Monroe County Access Officer

204 County Office Building • 39 West Main Street • Rochester, New York 14614

Phone: (585) 753-1080 • fax: (585) 753-1068 • www.monroecounty.gov

Re: 1777 East Henrietta Road, Henrietta, NY 14623



Legend

(SEE SITE DESCRIPTION PAGE)

X - Suspected Sites

X - Confirmed Sites

(X) - NYSDEC Registry Sites

2,000 1,000 0 2,000 Feet

Note: Monroe County does not certify or warrant that this map is accurate or complete. Sites may be added or deleted or boundaries revised as more information becomes available. Site locations may not be exact.

Re: 1777 East Henrietta Road, Henrietta, NY 14623

<u>Site #</u>	<u>Type of Waste</u>
HR-004	Construction & Demolition, Agricultural & Nursery
HR-005	Unknown
HR-006	Unknown
HR-026	Unknown
HR-027	settling pond for plating operation
HR-041	plating chemicals, volatile organics, TCE, chromium. Hexavalent chromium and volatile organics in the groundwater, and chromium contaminated soils DEC Registry Site Code # 828077 Class 04, State Superfund
HR-048	chlorinated solvent contamination, TCE DEC Registry Site Code # V00230 Class C, Voluntary Cleanup Program

HR-049

**methylene chloride, PAH's, metals, Per DEC:
methylene chloride, PAHs, and some metals,
including chromium, copper, mercury, and
zinc.**

DEC Registry Site Code # V00126

Class A, Voluntary Cleanup Program

New York State Department of Environmental Conservation**Division of Environmental Remediation, Region 8**

6274 East Avon-Lima Road, Avon, NY 14414-9516

Phone: (585) 226-5415 • Fax: (585) 226-2909

Website: www.dec.ny.govJoe Martens
Commissioner

May 10, 2011

Mr. Scott Lesnick
Senior Facilities and Manufacturing
Support Manager
Getinge
1777 East Henrietta Road
Rochester, New York 14623-3133

Dear Mr. Lesnick:

RE: Hazardous Waste Compliance Inspection Date: 05/06/11
Location of Handler: Same as Above
EPA Identification No.: NYD002215739

In order to determine compliance with the New York State hazardous waste regulations, the New York State Department of Environmental Conservation conducted an inspection of your facility on the above referenced date.

As a result of that inspection, we believe that your facility is operating as a small quantity generator of hazardous waste.

No violations of the New York State hazardous waste regulations were observed by the inspector on the inspection date referenced above.

Please be advised that your facility is under the continuing obligation to comply with all the applicable State and federal regulations regarding the management of hazardous waste.

Please note that this letter in no way addresses any liability you may have for any regulatory fees and hazardous waste special assessment fees. A copy of the inspection report is not enclosed, but if you would like to review a copy, please contact me at 585-226-5415. Thank you for your cooperation.

Sincerely,

Michael Khalil, P.E.
Environmental Engineer
Division of Environmental Remediation

MK:map

cc: Juzer Rasani, NYSDEC - Albany 7251
RCRARPTS, NYSDEC - Albany
Monroe County Health Department

0702502.TXT

0702502 NYSDEC INITIAL SPILL REPORT FORM
 DEC Region: 8 - Avon
 DEC Responder:
 CID#: 408

Spill No.: 0702502
 Report Date: 05/30/07
 Spill Class:
 Closed Date:

Caller Information
 Name: SCOT LESNICK
 Agency: GETINGE

Notifier Information
 SCOT LESNICK
 GETINGE

Phone #: (585) 272-5280

(585) 272-5280

Spill Date: 05/29/07 09:00 hrs

Call RCVD Date: 05/30/07 16:43 hrs

Material(s) Spilled	Class	Amount Spilled	Amount Recov	DER Code	CASNO
1) DIESEL	Petrol	Unknown Gal	0	0008	

Spill Location
 Name: GETINGE SITE
 Address: 1777 EAST HENRIETTA RD
 RODCHESTER CO: Monroe

Potential Spiller Information
 GETINGE SITE
 1777 EAST HENRIETTA RD
 RODCHESTER, NY 14623

Contact: SCOT LESNICK
 Phone: (585) 272-5280

SCOT LESNICK
 (585) 272-5280

Spill Cause: Deliberate
 Spill Source: Other Comm/Industrial

Resource Affect: On Land
 Notifier: Responsible Party

PBS No.:

Waterbody:

APPEARS TO BE TAMPERED WITH OVER THE WEEKEND; CASE FILED WITH MONROE COUNTY SHERIFFS; MOSTLY ON PAVEMENT; KITTY LITTER APPLIED TO HELP CONTAIN AND CLEAN;
 ***** End of Report *****

Page 1

*TH to Inspect, Found to mchnd
 on 5/31/07 at 0740 hrs.*

New York State Department of Environmental Conservation

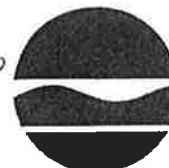
Division of Solid and Hazardous Materials, Region 8

6274 East Avon-Lima Road, Avon, New York 14414-9519

Phone: (585) 226-2466 • FAX: (585) 226-2909

Website: www.dec.state.ny.us

to Mark L
By: [Signature]
MONROE COUNTY
DEPARTMENT OF HEALTH



Erin M. Cróttly
Commissioner

FEB 10 2005

DEH ADMINISTRATION

January 31, 2005

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

NOTICE OF VIOLATION

Mr. Scott Lesnick
Operational Manager
Getinge USA
1777 East Henrietta Road
Rochester, NY 14623

Dear Mr. Lesnick:

RE: Hazardous Waste Compliance Inspection Date: 01-26-05
Location of Handler: Same as Above
EPA Identification Number: NYD002215739

In order to determine compliance with the New York State Industrial Hazardous Waste Management Law and the regulations promulgated pursuant thereto, the New York State Department of Environmental Conservation (the "Department") conducted an inspection of your facility on the above referenced date.

As a result of that inspection, we believe that your facility is operating as a small quantity generator of hazardous waste.

At the time of the inspection, the following violations were noted:

6NYCRR Part 372.2(a)(8)(iii) allows the generator who generates more than 100 kg but less than 1,000 kg of hazardous waste in a calendar month to accumulate non-acute hazardous waste on-site for a period of 180 days or less without being subject to the permitting provisions of Part 373 provided the following requirements are met:

- location of fire extinguishers and spill control material and, if present, fire alarm must be posted next to the telephone.

You have not met these requirements and, therefore, are in violation of 6NYCRR Part 372.2(a)(8)(iii).

Scott Lesnick

01-31-05

Page 2

Violations of the New York State Hazardous Waste Regulations may result in civil and criminal sanctions under the Environmental Conservation Law. Possible sanctions include a civil penalty of up to \$37,500 per day for a first offense and \$75,000 per day for a second offense. Should the cited violations not be corrected promptly, an action seeking a civil penalty will be initiated. This letter in no way precludes enforcement actions for any violations discovered at any time, nor does it relieve you from any liability you may have for regulatory fees and hazardous waste special assessment fees.

Please confirm in writing, within 30 days of the date of this letter, that the above referenced violations have been corrected and include supporting documentation. You **MUST** include your EPA Identification Number on all correspondence. This confirmation should be addressed to:


Michael Khalil, P.E.
Environmental Engineer
New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials
6274 East Avon-Lima Road
Avon, New York 14414-9519
(585) 226-2466

with a copy to:

Bruce Knapp, P. E.
NYS Department of Environmental Conservation
Division of Solid & Hazardous Materials
625 Broadway
Albany, NY 12233-7251
(518) 402-8629

A copy of the inspection report is not enclosed, but should you have any questions or would like to review a copy of the report, please contact me at 585-226-5415.

Sincerely,



Michael Khalil, P.E.
Environmental Engineer
Division of Solid & Hazardous Materials

MK:jmm

cc: Bruce Knapp
Monroe County Health Department

New York State Department of Environmental Conservation

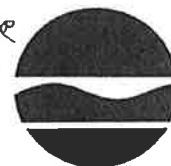
Division of Solid and Hazardous Materials, Region 8

6274 East Avon-Lima Road, Avon, New York 14414-9519

Phone: (585) 226-2466 • FAX: (585) 226-2909

Website: www.dec.state.ny.us

to Martin
File
ae



Erin M. Crotty
Commissioner

February 22, 2005

MONROE COUNTY
DEPARTMENT OF HEALTH
FEB 25 2005
DEH ADMINISTRATION

Mr. Scott Lesnick
Operational Manager
Getinge USA
1777 East Henrietta Road
Rochester, NY 14623

Dear Mr. Lesnick:

RE: Hazardous Waste Compliance Inspection Date: 01-26-05
Location of Handler: **Same as Above**
EPA Identification Number: **NYD002215739**

Your submittal of February 14, 2005, in response to the warning letter dated January 13, 2005, has been deemed satisfactory.

Please be advised that your facility is under the continuing obligation to comply with all the applicable state and federal regulations regarding the management of hazardous waste. If your facility should be found in violation of the regulations in the future, you may be subject to escalated enforcement action, including monetary penalties.

Please note that this letter does not address compliance with any regulatory fee obligations you may have. Your cooperation has been appreciated.

Sincerely,

Michael Khalil, P.E.
Environmental Engineer
Division of Solid & Hazardous Materials

MK:jmm

cc: Bruce Knapp

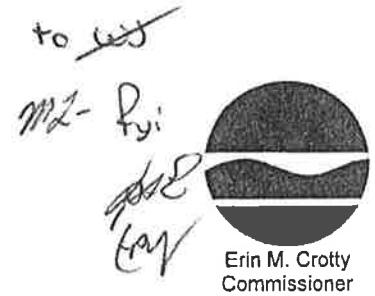
Monroe County Health Department ✓

**New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials, Region 8**

6274 East Avon-Lima Road, Avon, New York 14414-9519

Phone: (716) 226-2466 • FAX: (716) 226-2909

Website: www.dec.state.ny.us



September 17, 2001

Mr. Scott Lesnick
Operation Manager
Getinge-Castle, Inc.
1777 East Henrietta Road
Rochester, NY 14623

Dear Mr. Lesnick:

RE: Hazardous Waste Compliance Inspection Date: **04-13-01**
Location of Handler: **Same as Above**
EPA Identification Number: **NYD002215739**

Your submittal of September 12, 2001, in response to the warning letter dated May 31, 2001, has been deemed satisfactory.

Please be advised that your facility is under the continuing obligation to comply with all the applicable state and federal regulations regarding the management of hazardous waste. If your facility should be found in violation of the regulations in the future, you may be subject to escalated enforcement action, including monetary penalties.

Please note that this letter does not address compliance with any regulatory fee obligations you may have. Your cooperation has been appreciated.

Sincerely,

A handwritten signature in cursive script, appearing to read "Dixon F. Rollins".

Dixon F. Rollins, P.E.
Environmental Engineer III
Division of Solid & Hazardous Materials

DFR:jmm

cc: S. Carlomagno

Monroe County Health Department

COUNTY OF MONROE
DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
HAZMAT INCIDENT RESPONSE

File: Input (/) Exit (/)

End Date: 12-16-97 BY: msl

RESPONSE REQUIRED (/) DOH NOTIFICATION ()

REPORTED BY: Fire Dispatchers PHONE: 528-2222

RECEIVED BY: Mark Leszczynski DATE: 12-15-97 TIME: 1708

DEC REFERRAL: Holmell DATE: 12-15-97 TIME: 1805

FACILITY: GETINGE/CASTLE CORP. TOWN/CITY: HENRIETTA

ADDRESS/LOCATION: 1771 EAST HENRIETTA RD.

RESPONSIBLE PARTY:

CONTACT: Don ALBRIGHT - V.P. OF OPERATIONS PHONE: 475-1400
Scott Lesnick - Plant Engineering Mgr.

INCIDENT & CAUSE: Malfunction in Exhaust System for Parts
Cleaning operation. Fumes Released into Plant.
Blow. Evaluated. Level 0' at 1708 hrs. Level 1 at 1741 hrs

MATERIALS RELEASED: Nitrogen Dioxide

EST. QUANTITY: UNKNOWN

DISCHARGE TO: AMB AIR (/) GND () SURFACE WTR. () COMB. SEWERS () SAN () STORM ()

DOH FOLLOWUP: REMEDIATION ACTIVITIES/MONITORING/HEALTH IMPACT/EXPOSURE

12-15-97

1815 hrs. on Scene.

Met with HFD - Chief Jim Comstock, MC Haz-Mat Coordinator -
Bob Phillips, EMS Coordinator Don Lasowitz for details
of incident. Routine Maintenance - Descaling of Metal
Cleaning Vats & Spray Nozzles, Being Performed by
Orange Products, Inc. Malfunction in Exhaust Hood over
operation resulted in "Yellow Cloud" Release into Plant.
Building Evacuated. (5) Employees Evaluated by EMS
Crew on Scene. (2) Transported to Steven Memorial
Hospital Emergency for Further Treatment:

→ Respiratory Irritation

→ Eye Irritation

(3) Signed Release Forms.

Plant Engineering Mgr. - Scott Lesnick informed over (/)

AGENCY CONTACTS/PHONE: HFD - Chief Jim Comstock; EMS - D. Lasowitz; DEP - S. Macaluso
MC Haz-Mat: B. Phillips, R. Bortillone, S. Micelli, D. Coud, E. Riley, K. Gough

DOH RESPONDER: M. Leszczynski DATE: 12-15-97 ON SCENE: 1815 AM () PM ()

US THAT A NITRIC ACID / PHOSPHORIC ACID MIXTURE WAS BEING "USED" FOR THE DESCALING PROCESS. A SODIUM HYDROXIDE TANK IS LOCATED DIRECTLY NEXT TO THE ACID TANK. LESNICK SPECULATES THAT OVER-SPRAY FROM A MISALIGNED SPRAY NOZZLE WITHIN THE EXHAUST HOOD MAY BE MIXING THE ACID + CAUSTIC SOLUTIONS THUS CAUSING THE UNWANTED REACTION AND VAPOR. ADDITIONALLY, LESNICK STATED THAT THE BEARINGS FOR THE EXHAUST MOTORS APPEAR TO BE BURNED-OUT, THEREFORE NO VENTILATION OF THE VAPOR RESULTING IN A ^{VAPOR} RELEASE INTO THE PLANT.

HAZ-MAT ENTRY TEAM EVALUATED AMBIENT AIR WITHIN THE PLANT USING DRAWER TUBES. NO RESIDUES OBTAINED.

ALSO EVALUATED AMBIENT AIR AROUND TANKS → NO RESIDUES.

VAPOR WAS IDENTIFIED WHEN COVER OF THE TANK WAS OPENED.

REQUESTED OAKITE REP TO THE SCENE.

2035 HRS. Walter Melton - Technical Sales Rep → OAKITE on Scene.

MELTON STATED THAT HE IS A 25 YR. EMPLOYEE WITH THIS COMPANY AND HAS PERFORMED THE SAME OPERATION/PROCESS THOUSANDS OF TIMES PREVIOUS WITHOUT INCIDENT.

MELTON PROVIDED THE FOLLOWING EXPLANATION:

- SPECULATING THAT A MISALIGNED SPRAY NOZZLE ALLOWED ALLOWED MIXING OF ACID + CAUSTIC SOLUTION RESULTING IN THE RELEASE OF NITROGEN DIOXIDE
- VENTILATION SYSTEM MALFUNCTION, UNABLE TO REMOVE VAPORS; THUS THE "YELLOW CLOUD" RELEASE INTO THE PLANT.
- PUMP SYSTEM HAS BEEN SHUT DOWN, THUS NO MORE CIRCULATION OR AGITATION OF MATERIAL. NO ADDITIONAL VAPOR WILL BE GENERATED. → NO FURTHER REACTION.

Plan of Action:

- 1.) LEAVE MATERIAL IN TANK & ALLOW IT TO CONTINUE PERFORMING INTENDED FUNCTION.
- 2.) KEEP TANK COVER CLOSED & EMPLOYEE OUT OF AREA.
- 3.) SEAL OPENING OF VENT HOOD WITH PLASTIC TO PREVENT ANY VAPOR FROM ESCAPING INTO PLANT.
- 4.) ACTIVATE NEARBY PAINT BOOTH EXHAUST HOOD (150 CFM), OPEN ROOF VENTS, AND LEAVE OVERHEAD DOORS OPEN FOR VENTILATION.
- 5.) MATERIAL TO REMAIN IN TANKS UNTIL VENTILATION SYSTEM IS REPAIRED.

MONROE COUNTY HEALTH DEPARTMENT
HAZARDOUS MATERIAL FIELD REPORT

Addendum Sheet

Location: GETTINGE / CASTLE CORP.

Street/Town: 1771 EAST HENRIETTA RD. HENRIETTA

6) REQUESTED WRITTEN SUMMARY OF EVENTS
CAUSING PROBLEM AS WELL AS DOCUMENTATION
OF REPAIRS AND SCHEDULE OF PREVENTIVE
MAINTENANCE FOR ENTIRE SYSTEM.
SUMMARY TO BE HANDLED BY ALBRIGHT + LEWICK

1-5-98

0940 HRS. PHONE MESSAGE LEFT FOR SCOTT LEWICK, REQUESTING
UPDATE ON CORRECTIVE MEASURES IMPLEMENTED.

Name: _____ Date: _____

Oakite®

6013

MATERIAL SAFETY DATA SHEET

CORROSIVE. Store in closed container in well-ventilated area. NOTE: IF DILUTING (OR DISSOLVING) ALWAYS ADD THIS PRODUCT TO WATER SLOWLY AND WITH CONSTANT STIRRING. Do not add this product to chlorine-releasing materials.

APPROVAL

NAME

Michael Chang

Mgr. Health & Environmental Dept.

TITLE

11/03/1997

DATE OF PRINTING

NA - Not Applicable

NE - Not Established

OAKITE

Oakite Products, Inc.

Corporate Headquarter
50 Valley Road, Berkeley Heights, NJ 07922-2798

Tel. (908) 464-6900 or (800) 526-4473

Fax. (908) 464-6031

FAX MESSAGE

SENDING TO:

Scott Lernick

COMPANY NAME:

FAX BEING SENT FROM:

L. Gajda

DATE SENT:

12/15/97

NUMBER OF PAGES:

5

IF YOU HAVE A PROBLEM RECEIVING THIS FAX OR IF THERE IS A QUESTION CONCERNING THIS FAX MESSAGE, PLEASE CALL (800) 526-4473 AND ASK FOR PERSON SENDING FAX. THIS NUMBER IS (908) ~~464-6031~~.

464-5354

BRIEF MESSAGE:

*If a chlorate accelerated iron
phosphate was used and the
rust for the cleaning of the phosphate
tank and some tank are mixing we
can get nitrogen oxides formed as stated
in Section VI of MSD*

Oakite.

6013

MATERIAL SAFETY DATA SHEET

PRODUCT CODE: 6013
OAKITE FISAN CIP ACID
200-140-001

HMIS 3 1 1 J

SECTION I - PRODUCT IDENTIFICATION

TRADE NAME OAKITE FISAN CIP ACID EMERGENCY TELEPHONE NUMBER:
CHEMICAL NAME (800) 424-9300 (CHEMTREC)
AND SYNONYMS NA-Mixture
MANUFACTURER'S NAME
AND TELEPHONE NO. OAKITE PRODUCTS INC. (908) 464-6900 (8am-5pm)
A Member of The CHEMETALL Group
ADDRESS 50 Valley Road Berkeley Heights NJ 07922
DATE OF PREPARATION 11-03-97

SECTION II - HAZARDOUS INGREDIENTS

	CAS NO.	% BY WT	ACGIH TLV (TWA)	OSHA PEL (TWA)	UNITS
Phosphoric acid(+)	0007664382	5-15	1	1	mg/m ³
Nitric acid(+)	0007697372	30-40	2	2	ppm
Non-hazardous ingredients		Bal.			

Unidentified ingredients are considered not hazardous under Federal Hazard Communication Standard (29CFR 1910.1200).

All components of this material are on the US TSCA Inventory.

(+) This product contains ingredient(s) identified in Section II with (+) which are subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR 372.

CARCINOGENICITY: No substance in this product is listed by IARC, NTP, or regulated by OSHA as a carcinogen.

SECTION III - PHYSICAL DATA

Oakite Products, Inc. warrants that the product or products described herein will conform with its published specifications. The products supplied by Oakite and information related to them are intended for use by buyer's having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the Oakite materials for their own particular purpose. Since buyer's conditions of use of products are beyond Oakite's control, Oakite does not warrant any recommendations and information for the use of such products. OAKITE DISCLAIMS ALL OTHER WARRANTIES INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH THE USE OF ITS PRODUCTS.

NA - Not Applicable

NE - Not Established

MATERIAL SAFETY DATA SHEET

BOILING POINT (F)	NE	SPECIFIC GRAVITY (H2O=1)	1.2
VAPOR PRESSURE (mm Hg)	NE	Bulk Density	9.9 lb/gal
VAPOR DENSITY (Air=1)	NE	PERCENT VOLATILE	
SOLUBILITY IN WATER	Complete	BY WEIGHT(%) Excludes H2O	20-30
EVAPORATION RATE (Water=1)	1	PH	
APPEARANCE AND ODOR	Water white to straw liquid; acrid odor.	PH (concentrate)	<2.5

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used): >200 F (TCC)
 FLAMMABLE LIMITS: LEL: NE UEL: NE

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam, water spray.

SPECIAL FIRE FIGHTING PROCEDURES: Wear Self-Contained Breathing Apparatus (SCBA).

UNUSUAL FIRE AND EXPLOSION HAZARDS: See Section VII. (WHMIS)
 See Section VI. (U.S.)

SECTION V - HEALTH HAZARD INFORMATION

ROUTE(S) OF ENTRY:	INHALATION:	SKIN:	INGESTION:
	X	X	X

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.
 SYMPTOMS/EFFECTS OF OVEREXPOSURE:

Inhalation of mist may cause severe respiratory irritation. Exposure to high concentrations may cause pneumonitis and pulmonary edema. Symptoms include coughing, chest pain and difficulty breathing. ONSET OF SYMPTOMS MAY BE DELAYED. Eye contact causes severe or permanent damage. Severe skin burns.

FIRST AID

EYES: Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Get prompt medical attention.

SKIN: Immediately remove contaminated clothing. Wash skin with large amounts of water for at least 15 minutes. Get prompt medical attention. Wash clothing before reuse.

NA - Not Applicable

NE - Not Established

Oakite®

6013

MATERIAL SAFETY DATA SHEET

INGESTION: Contact local poison control center or physician IMMEDIATELY!

INHALATION: Move victim to fresh air and restore breathing if necessary. Stay with victim until emergency medical help arrives.

=====

SECTION VI - REACTIVITY DATA

=====

STABILITY: NORMALLY STABLE

Avoid extreme heat. Avoid direct sunlight.

INCOMPATIBLE MATERIALS: Alkalies, Combustibles. Contact with certain metals may yield explosive hydrogen gas.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen. Phosphorous oxides, Nitrogen oxides.

=====

SECTION VII - SPILL OR LEAK PROCEDURES

=====

PROCEDURES: Wear personal protective equipment (See Section VIII).
Clean up with inert absorbant material. Neutralize with soda ash or lime. Flush area with water.

WASTE DISPOSAL METHOD: Dispose of in accordance with Local State and Federal regulations.

=====

SECTION VIII - SPECIAL PROTECTION INFORMATION

=====

RESPIRATORY: If TLV is exceeded, wear a NIOSH-approved chemical cartridge respirator or gas mask containing non-oxidizable sorbent.

EYEWEAR: If splash potential exists wear chemical splash goggles or faceshield.

CLOTHING/GLOVES: If potential for skin contact exists, wear neoprene or other chemical resistant gloves and apron or coveralls and/or foot coverings, as needed.

VENTILATION: Local exhaust may be necessary for some handling/use conditions. Specific needs should be addressed by supervisory or health/safety personnel.

=====

SECTION IX - SPECIAL PRECAUTIONS

=====

NA - Not Applicable

NE - Not Established

December 22, 1997

Mark Leszczynski
Senior Public Health Sanitarian
Monroe County, Department of Health
Division of Environmental Health
111 Westfall Road
P.O. Box 92832
Rochester, New York 14692-8932

Dear Mr. Leszczynski:

This letter is a follow up letter regarding the 12/15/97 chemical fume release that took place at our facility. The incident occurred during our normal annual cleaning and descaling of our five stage washer, located in the paint shop. Walter Melton, our Oakite Products representative, was in earlier that day to supervise the cleaning operation. Walter added a 3 part of water to a 1 part of Oakite's Fisan CIP Acid (10% Phosphoric acid and 35% Nitric acid) solution in the second stage rinse tank to descale it. He also added Oakite's 360L (45% Sodium Hydroxide) solution to the third stage and heated it to 140 degrees F. to descale it. This tank originally had a iron phosphate solution for coating parts. The metals in this original solution were chemically precipitated out and the solution was then neutralized and then dumped to sewer. It was necessary to run the spray pumps in both tanks so that the spray manifold and nozzles got cleaned as well.

Several things happened during the cleaning operation that caused chemical reaction to created the gas fume. They are as follows:

1. Having a nitric acid solution and a caustic cleaning solution spraying in close proximity of each other.
2. The washer exhaust system belts began to slip due to the high humidity and due to the fact they were worn. Without the exhaust system operational and with our building under a negative pressure, the generated fume drifted back into the building.

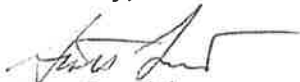
The above created a nitrogen oxide gas that migrated out of the washer tank into the paint shop area. We immediately turned off the spray pumps to help stop the chemical reaction, and evacuated the factory. We then called 911 and reported the incident.

To avoid this from recurring in the future, we have informed Walter Melton from Oakite that only one tank will be cleaned at a time. In addition, we will no longer be using Oakite's Fison 500 cleaning solution with nitric acid, but convert to a phosphoric acid cleaning solution only. In addition, we will be installing new blowers on our washer. We are currently installing a 208,000 cfm air makeup system and controls for the factory. This system will put the plant under positive pressure, helping the exhaust fans to operate more efficiently.

We believe that above preventative measures will avoid future catastrophes, as occurred on 12/15/97.

If you have any questions regarding above topic, please call me at 272-5280.

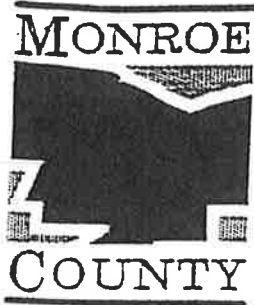
Sincerely;



Scott Lesnick
Plant Engineering and Maintenance Manager

cc: D. Albright

Saved as: HealthDeptFollow.DOC



Department of Health

John D. Doyle
County Executive

Andrew S. Doniger, M.D., M.P.H.
Director

FACSIMILE COVER SHEET

Name of Receiver Bud Phillips Fax # 227-4040

Please notify receiver at _____ immediately upon receipt of fax. Thank you.

Sender Mark Leszczynski

Sender's Phone # 274-6052 Sender's Fax # 274-6098

Date 1-7-98 Total # Pages 3

NOTES:

Follow-up Report on Incident at Gettysburg/Castle.
Please Share with Haz-Mat officers.



Department of Health

John D. Doyle
County Executive

Andrew S. Doniger, M.D., M.P.H.
Director

FACSIMILE COVER SHEET

Name of Receiver Rebecca Wolsky Fax# 518-458-6372

Please notify receiver at _____ immediately upon receipt
Of Fax. Thank You.

Sender Mark Leszczynski

Sender's Phone# 716-274-6052 Sender's Fax# 274-6098

Date 3-20-98 Total Pages 3

NOTES:

Castle Corp. Incident Report.

UNK

COUNTY OF MONROE - DEPARTMENT OF HEALTH
BUREAU OF PUBLIC HEALTH ENGINEERING
HAZMAT LOG / FIELD RESPONSE

7

E. HENR.

RECEIVED BY: Paul Gizzi DATE: 2-25-94 TIME: 5:00

REPORTED BY: ROCH FIRE BUREAU PHONE: 428-7200

[] NOTIFY [X] RESPONSE

FACILITY: MDT CASTLE TWN/CTY; HENRIETTA

ADDRESS/LOC: 1777 E HENRIETTA ROAD

RESP. PARTY: _____

CTY/STATE/ZIP: _____

CONTACT: _____ PHONE: _____

MATERIALS: PETROLEUM PRODUCT [] CHEMICAL [X] 12% ETHYLENE OXIDE

QUANTITY: ?

INCIDENT DATE: 2-25-94 TIME: _____ CAUSE: 2 SHERIFFS DEPUTIES

RESPONDING TO AN ALARM IN BLDC WERE OVERCOME BY
FUMES + TAKEN TO STRONG HOSPITAL

DISCHARGE: [X] AIR [] GRND [] SW [] SEWER-CMB [] SAN [] STM

DEC REFERRAL: YES DATE: 5-25-94 TIME: 5:20

HD RESPONDER: Paul Gizzi DATE: 5-25-94 TIME: 5:30

ACTIVITY [actions/remediation/contractor]: low level of ethylene oxide
HAB MAT TEAM could not detect any measurable amount
in any of the labs -

[] OVER

HEALTH CONSEQUENCES OF INCIDENT IF KNOWN; INCLUDE PATHWAYS OF EXPOSURE,
SAMPLING PERFORMED AND BY WHOM: MC HA2 MAT TEAM

SEE ABOVE

[] OVER

CONTACTS/AGENCY/PHONE: _____

RESPONDERS SIGNATURE: Paul Gizzi DATE: _____

COUNTY OF MONROE - DEPARTMENT OF HEALTH
BUREAU OF PUBLIC HEALTH ENGINEERING
HAZMAT LOG / FIELD RESPONSE

RECEIVED BY: Ed Yurkstas DATE: 8/13/90 TIME: 12²⁰ P.M.

REPORTED BY: Capt. Comstock PHONE: Henrietta P.D.

☒ NOTIFY

☐ RESPONSE

FACILITY: Castle Company MD + Biologic TWN CTY: Henrietta

ADDRESS/LOC: 1777 East Henrietta Road

RESP. PARTY: Castle Fleming incident caused by
RED STAR EXPRESS (TNT)

CTY/STATE/ZIP: 75 Norman

CONTACT: Wayne Zakofsky PHONE: _____

MATERIALS: PETROLEUM PRODUCT ☒ CHEMICAL ☐ Diesel Fuel

QUANTITY: 2-3 gal (may be 1-2 gal)

INCIDENT DATE: 8/13/90 TIME: Noon CAUSE: Probably a leak

in fuel tank (fuel spread by rain - all over
parking lot and loading dock)

DISCHARGE: ☐ AIR ☒ GRND ☐ SW ☐ SEWER-CMB ☐ SAN ☒ STM

DEC REFERRAL: Donna Major DATE: 8/13/90 TIME: 12²³ P.M.

HD RESPONDER: — DATE: — TIME: —

ACTIVITY [actions/remediation/contractor]: Fuel Dept responded -
completed cleanup (able to pick up some fuel with
absorbent - remainder spread by rain) truck had
already left scene - FD will be trying to locate
vehicle and have repair made. ^{flushing} recommended ☒ OVER

HEALTH CONSEQUENCES OF INCIDENT IF KNOWN; INCLUDE PATHWAYS OF EXPOSURE,
SAMPLING PERFORMED AND BY WHOM: NONE

☐ OVER

CONTACTS/AGENCY/PHONE: _____

RESPONDERS SIGNATURE: Edward Yurkstas DATE: 8/14/90

Contacted trucking firm - rec'd call from driver -
driver contacted - check vehicle - no leakage - truck
completed its stops. Firm does not believe it is their
vehicle.

Contacted Kastle - spoke with Gene Cromwell - ^{MDT} 475-1400
(272-5208)

Bob Keys - security - employee
report observing fuel about truck - truck entering
and exiting parking lot caused fuel tracking.
Employee did not directly observe fuel leaking
from truck. Fuel in loading dock - spread
by rain - picked up by area drain.

Contacted trucking firm - asked that vehicle
be inspected by maintenance.

HAZARDOUS MATERIALS LOG BOOK

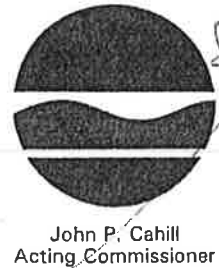
MONTH OF July 1985LOCATION 1777 East Henrietta Road
Henrietta, (T)MATERIAL/QUANTITY ~130 barrels leakingSOURCE Costle CompanyREPORT RECEIVED BY Mike Koral FROM Anonymous ComplainantDATE 7-26-85 TIME NOTIFIED 3:20 p.m. TIME RESPONDED N/AINSPECTION DATES N/AMCHD PERSONNEL ECT. INVOLVED N/ANARRATIVE Referred to NYSDEC Solid Waste for
follow-up

New York State Department of Environmental Conservation

Region 8

6274 East Avon-Lima Road, Avon, NY 14414-9519

Telephone: 716-226-2466



January 24, 1997

MONROE COUNTY
DEPARTMENT OF HEALTH

Mr. Scott Lesnick
Plant Engineering and
Maintenance Manager
Getinge/Castle, Inc.
1777 East Henrietta Road
Rochester, New York 14623-3133

RECEIVED FEB 6 1997
FEB 10 1997 DEH ADMINISTRATION
MONROE COUNTY
HEALTH DEPARTMENT

Dear Mr. Lesnick:

RE: Hazardous Waste Compliance Inspection Date: 11/01/96
Location of Handler: Same as Above
EPA Identification No.: NYD002215739

Your submittals in response to the warning letter dated November 20, 1996 have been deemed satisfactory. This matter can now be considered concluded and the enforcement action resolved.

Please be advised that your facility is under the continuing obligation to comply with all the applicable state and federal regulations regarding the management of hazardous waste.

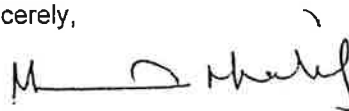
Should subsequent inspections reveal the same violations, they will be treated more severely as "repeat" violations, and may involve monetary penalties.

Please note that this letter in no way addresses any liability you may have for any regulatory fees and hazardous waste special assessment fees.

Should you have any questions, please contact me at the above number.

Thank you for your cooperation.

Sincerely,



Michael Khalil, P.E.
Environmental Engineer
Division of Solid & Hazardous Materials

MK:map

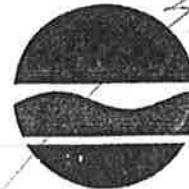
cc: S. Carlomagno - NYSDEC, Albany
Monroe County Health Department

New York State Department of Environmental Conservation

Region 8

6274 East Avon-Lima Road, Avon, NY 14414-9519

Telephone: 716-226-2466



Michael D. Zagata
Commissioner

my 6/1/97
m.i.

December 30, 1996

Mr. Scott Lesnick
Maintenance Manager
MDT Corporation
Biologic Company
1777 East Henrietta Road
PO Box 23077
Rochester, New York 14692-3077

MONROE COUNTY
DEPARTMENT OF HEALTH

JAN 21 1997

DEH ADMINISTRATION

Dear Mr. Lesnick:

RE: Hazardous Waste Compliance Inspection Date: 11/01/96
Location of Handler: Same as Above
EPA Identification No. NYD002215739

A warning letter dated November 20, 1996 was sent to you identifying violations of the New York State Hazardous Waste Regulations. This letter required a response indicating that you had taken corrective action. As of this date, no response has been received. A copy of the warning letter is enclosed.

Violations of the New York State Hazardous Waste Regulations may result in civil and criminal sanctions under the Environmental Conservation Law. Possible sanctions include a civil penalty of up to \$25,000 per day for a first offense and \$50,000 per day for a second offense. Should the cited violations not be corrected promptly, an action seeking a civil penalty will be initiated. **Furthermore, please be advised that this letter in no way precludes further enforcement actions for any other violations discovered at any other time, nor does it relieve you from any liability you may have for regulatory fees and hazardous waste special assessment fees.**

You must respond in writing within 7 days of the date of this letter to avoid the initiation of enforcement proceedings. Please be sure to include your EPA Identification No. on all correspondence.

Please send your response to:

Michael Khalil, P.E.
Environmental Engineer II
New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials
6274 East Avon-Lima Road
Avon, New York 14414-9519
(716) 226-2466

RECEIVED

JAN 21 1997

MONROE COUNTY
HEALTH DEPARTMENT

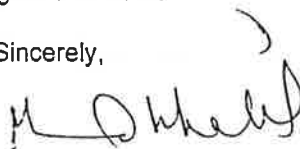
Mr. Lesnick
Page 2
December 30, 1996

with a copy to:

Salvatore Carlomagno
New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials
Bureau of Hazardous Waste Facilities
50 Wolf Road
Albany, New York 12233-7252
(518) 457-9361

If a response has already been sent, please disregard this letter.

Sincerely,



Michael Khalil, P.E.
Environmental Engineer
Division of Solid & Hazardous Materials

MK:map
Enclosure

By Certified Mail - Return Receipt Requested

cc: S. Carlomagno, NYSDEC - Albany
B. Knapp, NYSDEC - Albany
Monroe County Health Department

to WJ & le
New York State Department of Environmental Conservation

Region 8

6274 East Avon-Lima Road, Avon, NY 14414-9519

Telephone: 716-226-2466



Michael D. Zagata
Commissioner

November 20, 1996

MONROE COUNTY
DEPARTMENT OF HEALTH

DEC 4 1996

DEH ADMINISTRATION

Mr. Scott Lesnick
Maintenance Manager
MDT Corporation
Biologic Company
1777 East Henrietta Road
PO Box 23077
Rochester, New York 14692-3077

Dear Mr. Lesnick:

RE: Hazardous Waste Compliance Inspection Date: 11/01/96
Location of Handler: Same as above
EPA Identification No.: NYD002215739

In order to determine compliance with the New York State Hazardous Waste Regulations, the New York State Department of Environmental Conservation conducted an inspection of your facility on the above-referenced date.

As a result of that inspection, I believe that your facility is operating as a small quantity generator of hazardous waste.

6NYCRR Part 372.2(a)(8)(iii) allows the generator who generates more than 100 kg but less than 1,000 kg of hazardous waste in a calendar month to accumulate non-acute hazardous waste on-site for a period of 180 days or less without being subject to the permitting provisions of Part 373 provided the following requirements are met:

- the name and phone number of the emergency coordinator must be posted next to the telephone.
- location of fire extinguishers and spill control material and, if present, fire alarm must be posted next to the telephone.
- telephone number of the fire department must be posted next to the phone unless the facility has a direct alarm.

You have not met these requirements and, therefore, are in violation of 6NYCRR Part 372.2(a)(8)(iii).

6NYCRR Part 372.2(a)(2) requires a person who generates a solid waste, to determine if that waste is a hazardous waste. You have not made this determination and, therefore, are in violation of 6NYCRR Part 372.2(a)(2).

6NYCRR Part 373-1.1(d)(1)(xii) requires an operator of a hazardous wastewater pretreatment unit, to meet the following requirements in order to **not** be subject to the regulations applicable to hazardous waste treatment, storage and disposal facilities (other than the storage of liquid hazardous wastes in the counties of Kings, Nassau, Queens and Suffolk):

- the date upon which each period of accumulation begins is clearly marked and visible for inspection on each container.

You have not met the requirement(s) identified above and, therefore, are in violation of 6NYCRR Part 373-1.1(d)(1)(xii).

6NYCRR Part 373-3.9(d) requires containers holding hazardous waste to be managed as follows:

- a container holding hazardous waste must be marked with the words "Hazardous Waste" and with other words identifying its contents.

You have not met the above requirement(s) and, therefore, are in violation of 6NYCRR Part 373-3.9(d).

6NYCRR Part 373-1.1(d)(1)(xii)(a) requires that facility personnel must successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that ensures the facility's compliance with the requirements of this Subpart. In addition, the owner or operator must ensure that:

- facility personnel take part in an annual review of the initial training required.

You have not met the above requirement(s) and, therefore, are in violation of 6NYCRR Part 373-3.2(g)(3).

6NYCRR Part 376.5(a)(1)(i) permits a small quantity generator to store restricted wastes provided the following conditions are met:

- stores restricted waste in tanks or containers on-site solely for the purpose of the accumulation of such quantities of hazardous waste as necessary to facilitate proper recovery, treatment, or disposal.
- complies with all storage requirements of 372, 373-1, 373-2, and 373-3 of this title.

You have not met this requirement and, therefore, are in violation of 6NYCRR Part 376.5(a)(1)(i).

Violations of the New York State Hazardous Waste Regulations may result in civil and criminal sanctions under the Environmental Conservation Law. Possible sanctions include a civil penalty of up to \$25,000 per day for the first offense and \$50,000 per day for a second offense. Should the cited violations not be corrected promptly, an action seeking a civil penalty will be initiated. **Furthermore, please be advised that this letter in no way precludes future enforcement actions for any other violations discovered at any other time, nor does it relieve you from any liability you may have for regulatory fees and hazardous waste special assessment fees.**

Mr. Lesnick
Page 3
November 20, 1996

Please confirm in writing within 30 days of the date of this letter, that the above-referenced violations have been corrected and include supporting documentation. You **must** include your EPA Identification No. on all correspondence. This confirmation should be addressed to:

Michael Khalil, P.E.
Environmental Engineer
New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials
6274 East Avon-Lima Road
Avon, New York 14414-9519
(716) 226-2466

with a copy to:

Salvatore Carlomagno
New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials
Bureau of Hazardous Waste Facilities
Hazardous Waste Compliance Section
50 Wolf Road
Albany, New York 12233-7252
(518) 457-9361

If you have any questions about this notice or should you wish to discuss this matter further, please contact me at the telephone number above. A copy of the Inspection Form is enclosed for your information.

Sincerely,



Michael Khalil, P.E.
Environmental Engineer
Division of Solid & Hazardous Materials

MK:map
Enclosure

By Certified Mail - Return Receipt Requested

cc: S. Carlomagno, NYSDEC - Albany
B. Knapp, NYSDEC - Albany
Monroe County Health Department

APPENDIX 7

User Interview

LaBella

LaBella Associates, P.C.

300 State Street, Suite 201
Rochester, New York 14614-1098
Phone: (585) 454-6110
FAX: (585) 454-3066

USER QUESTIONNAIRE

Project No. _____ Date: 1/21/14
Site Name/ Address: 1777 Jefferson Rd. aka getinge Corp

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"), the *User* must provide the following information (if available to the *Environmental Professional*). Failure to provide this information could result in a determination that "*all appropriate inquiry*" is not complete.

User (Print Name): Larry Glazer
Title: member
Signature: [Signature]

Information regarding these questions were obtained from the following parties (if applicable):
L. Slagras potential new owner

Purpose of this Assessment: ☐ Selling the property ☒ Purchasing the property ☐ Construction loan
☐ Re-financing the property ☐ Other (explain): _____

Title Records

Land title records and lien records are filed under federal, tribal, state or local law and should be reviewed to Identify environmental liens or activity and use limitations, if any, that are currently recorded against the property.
Are land title records available for review? ☐ No ☒ Yes ☐ Unknown
If yes, please provide.

Environmental cleanup liens that are filed or recorded against the Site (40 CFR 312.25)

Are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal law?
☐ No ☐ Yes ☒ Unknown
Based on review of readily available information: _____

Activity and land use restrictions that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.25)

Are you aware of any AULs, such as *engineering controls*, land use restriction, or *institutional* controls that are in place at the Site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?
☒ No ☐ Yes ☐ Unknown
Based on review of readily available information: _____

Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28)

As the *User* of this *ESA* do you have any specialized knowledge or experiences related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or and adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?
☒ No ☐ Yes ☐ Unknown
Based on review of readily available information: Co. had plating lines in

building.

i. **Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29)**

Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*?

☐ No ☒ Yes ☐ Unknown ☐ N/A- there is no transfer of ownership

If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?

☐ No ☐ Yes ☐ Unknown

Based on review of readily available information: _____

i. **Commonly know or *reasonably ascertainable* information about the *property* (40 CFR 312.30)**

Are you aware of any commonly known or *reasonably ascertainable* information about the *property* that could help the *Environmental Professional* to identify conditions indicative of releases or threatened releases? For example, as *User*:

(a) Do you know of the past uses of the *property*?

☐ No ☒ Yes ☐ Unknown

Based on review of readily available information: contact current property owner

(b) Do you know of specific chemicals that are present or once were present at the *property*?

☒ No ☐ Yes ☐ Unknown

Based on review of readily available information: _____

(c) Do you know of spills or other chemical releases that have taken place at the *property*?

☒ No ☐ Yes ☐ Unknown

Based on review of readily available information: There is a spill history for this
site.

(d) Do you know of any environmental cleanups that have taken place at the *property*?

☐ No ☐ Yes ☒ Unknown

Based on review of readily available information: _____

7. **The degree of obviousness of the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)**

As the *User* of this *ESA*, based on your knowledge and experiences related to the *property* are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property*?

☐ No ☒ Yes ☐ Unknown

Based on review of readily available information: floor drains capped with
concrete;

Please provide attachments if necessary to explain any answers to the above questions.

APPENDIX 8

Additional Reports

GETINGE CONFIDENTIAL INFORMATION

The Contents hereof are confidential to GETINGE USA, INC. and GETINGE SOURCING LLC and are for the sole use of the intended recipient, limited to the purpose and subject to the terms described in the Confidentiality Agreement that has been provided by the intended recipient to GETINGE USA, INC. and GETINGE SOURCING LLC. Any unauthorized review, use, disclosure or distribution is prohibited.

ENVIRONMENTAL REPORTS

**PROPERTY LOCATED AT
1777 EAST HENRIETTA ROAD, ROCHESTER, NY 14623**

TABLE OF CONTENTS

1. April 1996 Environ Environmental Assessment of MDT Corporation.
2. April 1996 Environ Limited Phase II Environmental Assessment.
3. May 1996 Environ Phase III Environmental Assessment.
4. June 24, 2005 Life Science Laboratories Laboratory Analysis Report.
5. January 18, 2013 Paradigm Environmental Services Analytical Report.
6. June 13, 2013 Stantec Detention Pond Investigation Report regarding Getinge Sourcing LLC, 177 East Henrietta Road, Rochester, NY.
7. June 2013 Stantec Historical Groundwater Flow and Quality Figure No. 1.

Doc #01-2666295.1

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Prepared at the Request of Counsel

**ENVIRONMENTAL ASSESSMENT OF
MDT CORPORATION**

Prepared for

Skadden, Arps, Slate, Meagher & Flom
Washington, DC

On Behalf of
Getinge Industrier AB

Prepared by

ENVIRON Corporation
Princeton, NJ and Arlington, VA

April 1996

**Getinge Confidential
Information**

I. INTRODUCTION

ENVIRON International Corporation (a division of APBI Environmental Sciences Group, Inc.) (ENVIRON) was retained by Skadden, Arps, Slate, Meagher & Flom (Skadden) to conduct an environmental assessment of seven current facilities of MDT Corporation and its subsidiaries (MDT). The seven facilities currently operated by MDT include: 1) MDT Corporation in Henrietta, New York; 2) MDT Biologic Company in Mercersburg, Pennsylvania; 3) four facilities operated by MDT Diagnostic Company located in North Charleston, South Carolina; and 4) MDT Biologic Company in Rancho Dominguez, California.

The purpose of ENVIRON's review was to identify any on-site and off-site environmental issues that could result in potentially significant liabilities or compliance costs. In addition, occupational safety and health issues were briefly reviewed to determine whether any major areas of concern are present. In the context of this report, the term "potentially significant" is generally used to describe areas of concern that could reasonably result in liabilities or compliance costs in excess of \$25,000. ENVIRON's conclusions about the relative significance of areas of concern are based primarily upon our professional judgment and are meant to provide some guidance in areas of uncertainty.

The environmental assessment generally included the following components:

- Site visits to the seven facilities.
- Interviews with selected facility and corporate personnel.
- A review of documents provided by MDT.

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- A search of federal and state environmental data bases conducted for ENVIRON by Vista Information Solutions, Inc. (Vista) for the seven sites, as well as properties adjacent to or in the vicinity of the sites (Vista's Site Assessment Plus Report). Vista conducted its search of environmental data bases in March 1996. Data bases searched by Vista are listed in Appendix A. Because the environmental data bases themselves are sometimes not updated by the specific regulatory agencies for periods of up to one year (depending on the data base and the state), the data base search conducted herein will not necessarily list any facility or site for which an environmental investigation/listing has been initiated subsequent to the last update. The Vista data base searches contained a number of unmapped sites. Although ENVIRON briefly reviewed the list of unmapped sites for any properties observed during the site visit to be adjacent to the subject site, it was beyond the scope of this assessment to locate each of the unmapped sites.
- A review of a Facility Risk Profile prepared by Vista, which is a presentation of government filings on the MDT facilities, including records of existing or potential contamination, records of hazardous materials or environmental permits, and records of environmental noncompliance.
- A review of the CERCLIS data base to determine if any of the off-site waste management facilities used by MDT are listed.
- A review of United States Geologic Survey (USGS) topographic maps for the sites.
- A review of aerial photographs for the sites.
- A review of Sanborn fire insurance maps, where available.

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No environmental samples were collected as part of this review, nor were chain-of-title documents provided for ENVIRON's review. ENVIRON did not independently verify all of the written or oral information provided. Consequently, this report is accurate and complete only to the extent that information provided to ENVIRON was itself accurate and complete.

Following this Introduction (Chapter I), a Summary of Conclusions for the environmental assessment is presented in Chapter II. Chapters III through IX present the environmental assessments for the seven MDT facilities subject to this review.

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II. SUMMARY OF CONCLUSIONS

ENVIRON performed a due diligence review of the facilities of the MDT Corporation. Subject to the qualifications and limitations stated in this report, ENVIRON has identified some potentially significant environmental liabilities associated with some of MDT's current facilities. For the purposes of this review, significant liabilities are those areas of concern that could reasonably result in liabilities or compliance costs in excess of \$25,000. In the following chapters of this report, ENVIRON presents the results of its review of potential liabilities at each MDT facility included in this investigation. ENVIRON's conclusions concerning the potentially significant liabilities of the MDT facilities are summarized in this chapter.

Some of the potentially significant liabilities identified by ENVIRON relate to regulatory noncompliance issues that could result in fines or civil penalties. The maximum civil penalty that may be assessed under certain applicable environmental laws ranges from \$5,000 to \$10,000 to \$25,000 per day of violation, depending on the statute. It is ENVIRON's experience, however, that regulatory agencies typically do not seek fines for noncompliance that approach the maximum that can be assessed under law. Moreover, if such fines are sought, significantly lesser fines can often be negotiated if a company shows a good faith effort to correct the noncompliance.

MDT Biologic Company, Henrietta, NY

The following areas of potentially significant environmental concern were identified by ENVIRON during its review of the MDT Biologic Company facility in Henrietta, New York:

- The site had a former on-site wastewater treatment system, which consisted of a pump house, a clarigester, two sand beds, a sludge drying bed, and an effluent discharge into a

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small on-site impoundment. The treatment system reportedly treated wastewater from the facility from the time the facility began operation in 1955 until the site was hooked to the sanitary sewer some time around 1960. Based on facility drawings provided by MDT, the sand beds and the sludge drying beds were underlain by soil. Given the existence of degreasing and metal plating operations at the facility since 1955, and based on ENVIRON's experience at similar sites with on-site treatment and disposal systems, there is a significant potential that chlorinated solvents may have been present in the wastewater discharged into the treatment system and that there may be residual soil and/or ground water contamination resulting from that operation.

- The current metal plating operation at the facility is reportedly smaller than that operation has been in the past. Until July 1995, a vapor degreaser was operated that reportedly used 1,1,1-trichloroethane (TCA) as the degreasing agent. The degreaser was located in the plating area. There are also trenches present within the plating area; according to MDT, there has been no evaluation of the integrity of the trenches or drains in the plating area. The potential exists that releases of chlorinated solvents or plating solutions may have occurred within the plating room.
- The facility has an outdoor hazardous waste storage area located on the north side of the facility. This area does not have any secondary containment. According to facility plans this area may have been used for chemical or waste storage since 1955. ENVIRON recommends that secondary containment be provided for this area; costs associated with modifications to the outdoor storage area would not be expected to exceed \$20,000.
- Facility personnel reported that the facility historically disposed of plating/finishing sludge at a location now covered by Interstate 390. The exact location was not known. The fate of any materials removed during highway construction in the 1970s is not known, although some soils removed during highway construction were reportedly stockpiled on the vacant lot on the western side of the site. Without further information, it is not

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possible for ENVIRON to accurately evaluate potential liabilities associated with historical waste disposal.

- ENVIRON observed potential asbestos containing insulation on the facility's heating boilers that appeared to be deteriorating. A comprehensive asbestos survey has reportedly never been performed at the site. Reportedly, encapsulation of some asbestos was performed in 1987. ENVIRON recommends that the facility identify and review the condition of asbestos containing materials at the site and perform any necessary corrective actions. ENVIRON expects the cost to perform a facility-wide asbestos survey would likely not exceed \$10,000. Costs to address asbestos issues cannot be estimated until the asbestos survey is performed.
- The facility currently has air permits for twenty air emissions sources. There are at least two welding operations which have not had Certificates to Operate issued. In addition, several sources included on the permit are reportedly not used, including one ethylene oxide source and three paint booths, and at least two ethylene oxide sources had its permitted emissions control equipment, a catalytic oxidation unit, replaced with a sulfuric acid scrubber without the permit being modified. ENVIRON recommends that the facility review its current operations and air emissions sources and make any modifications necessary to ensure that all its air emissions sources are properly permitted. Costs to address these air permit issues is not likely to exceed \$10,000; potential fines associated with air permit issues could be significant.
- Based on information obtained from facility personnel, no known employee exposure assessments to chemicals have been performed at the site. Employee exposure monitoring is required for ethylene oxide and formaldehyde under OSHA regulations where employees have the potential to be exposed to these chemicals. The initial monitoring results form the basis for deciding whether engineering controls, personal protective equipment, employee training, and medical surveillance are required. The costs to

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implement an employee monitoring program would likely be approximately \$10,000, with potential additional costs if the results of the initial monitoring identify the need for engineering controls, medical surveillance, etc. In addition, potential fines associated with this compliance issue could be significant.

Although not considered significant in the context of this review, the following noteworthy issues were identified by ENVIRON:

- Two underground fuel oil storage tanks were removed in 1988. The tanks were reportedly located within a concrete vault. A representative of the Town of Henrietta observed the tank removal. In 1995, the New York Department of Environmental Conservation (NYDEC) visited the site to verify the closure and issued a letter to MDT providing approval for the closure in compliance with applicable regulations. No sampling was conducted at the time of the tank removal and the underground piping associated with the tanks was reportedly not removed. However, based on the closure letter issued by NYDEC, ENVIRON does not believe that any additional actions will be required by the NYDEC regarding these former tanks.
- The facility has reportedly been named as a potentially responsible party at three Superfund sites: XX Kem in Toledo, Ohio; Envirotex in Tonawanda, NY; and a site referred to as Chem-Trol/Balasdell. ENVIRON has not reviewed any information that identifies MDT as a major contributor at these sites; rather MDT appears to be a small or *de minimis* contributor. Reportedly, the facility paid a \$2,500 settlement for the Envirotex site and the case is closed and the facility reports a liability of approximately \$400 for the XX Kem site, although the facility's involvement in that site has not yet been resolved. The facility was reportedly liable for a \$13,000 settlement for the Chem-Trol site, which was reportedly paid and MDT reports not further liability at that site.

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- The facility has had some exceedances for some metals in its wastewater discharges in 1995. Reportedly, these exceedances resulted because the wastewater was not allowed sufficient time for precipitation of the metals during the pretreatment process. The facility has corrected this problem and has reportedly not had exceedances since October 1995. In November 1995, a cracked tank in the plating operation resulted in a slug discharge of a nitric acid solution to the sewer. The facility has reported that it has not been fined for either the exceedances or the November discharge.

III. HENRIETTA, NEW YORK

A. Introduction

This chapter presents the results of ENVIRON's environmental assessment of the MDT Biologic Company (MDT) facility located in Henrietta, New York. It is based primarily on the following:

- A visit to the site and an inspection of the facility by Michael Nozik of ENVIRON on March 21 and 22, 1996. Mr. Scott Lesnick, Plant Engineering and Maintenance Manager, provided information associated with site history and environmental matters.
- A review of documents provided by MDT, including historical blueprints of parts of the facility created prior to the construction of the original facility.
- A review of federal environmental regulatory data bases searched by Vista and received by ENVIRON during the week of March 25, 1996. A description of the federal data bases searched is provided in Appendix A.
- A review of New York State Department of Environmental Conservation (NYDEC) data bases searched by Vista during the week of March 25, 1996 including the following (the date of the most recent update is shown in parentheses): the Hazardous Waste Disposal Sites List which is the state equivalent of the NPL (SPL-July 1995); the Incinerators-Resource Recovery Projects List (January 1994), the Recycler's Listing (April 1993), the Active Solid Waste Disposal Sites List (September 1995), and the Inactive Solid Waste Disposal Sites List (September 1995) which all identify

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solid waste landfills, incinerators, and transfer stations and which are collectively referred to as "SWLF"; the Leaking Underground Storage Tank Database which identifies known leaking UST sites (LUST-November 1995), the Underground Storage Tank Database which identifies registered USTs (UST-November 1995); and the Aboveground Storage Tank List which identifies registered ASTs (AST-November 1995).

- A review of the CERCLIS data base for off-site waste management facilities reported to have received wastes generated by the facility.
- A review of the USGS 7.5 minute topographic map for the Pittsford, NY quadrangle.
- A review of historical aerial photographs covering the location of the facility for the years 1930, 1951, 1961, 1970, 1976, 1988, and 1993 at the Monroe County Environmental Management Council (MCEMC).
- A review of generalized geologic and hydrogeologic information provided by MCEMC and covering the Monroe County area.
- A review of known and suspected waste disposal sites situated within one mile of the facility identified by MCEMC and the Monroe County Health Department (MCHD) and provided by MCEMC.
- Historical Sanborn fire insurance maps for the site were requested through Vista. Vista reported that no Sanborn maps were identified for the site.

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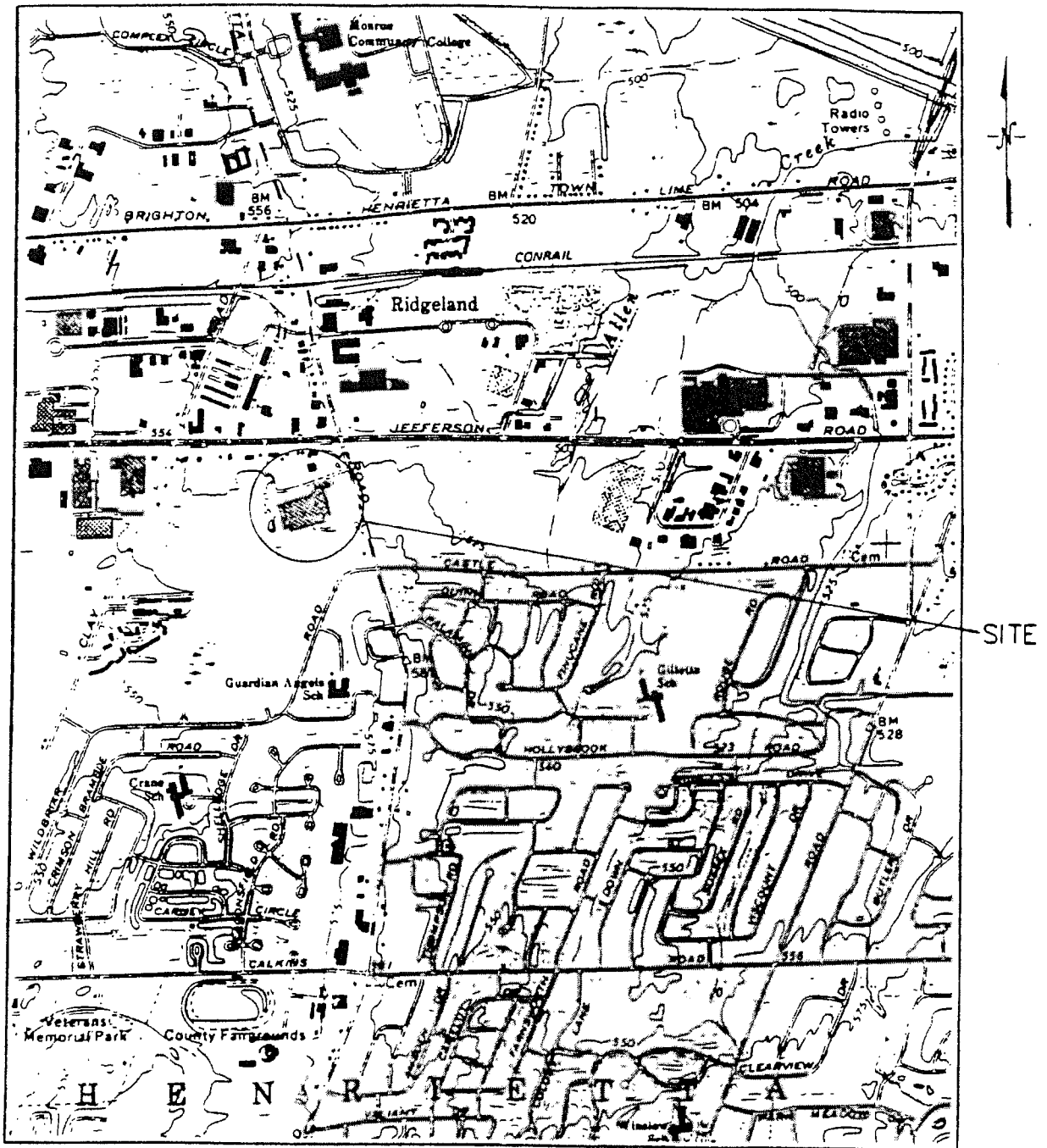
B. Site Description

1. Site Setting

MDT Biologic Company owns and operates a facility at 1777 East Henrietta Road, Henrietta, Monroe County, New York (hereafter referred to as "the facility" in this chapter). Figure III-1 is a site location map showing the general facility location. The facility consists of two buildings situated on 33.245 acres of land. The main building is 274,320 square feet with approximately 60,000 square feet used as office space and the remaining 215,000 square feet used for production and manufacturing operations. Figure III-2 is site plan of the facility. A small basement area in the main building is used for printing facility literature and for storage of paper products. The research and development (R&D) building is 27,764 square feet and contains office space, product testing areas, and a biological laboratory operation.

Approximately 230,000 square feet of the site is paved with asphalt parking lots and roadways. This includes a roadway which the facility leases from Genesee Regional Market that links the site to Jefferson Road. A large section of the remainder of the site located on the west side of the property is undeveloped. This area reportedly received soil excavated during the construction of Interstate 390 which is situated adjacent to the southern boundary of the facility site.

The facility is located in a mainly commercial area of Henrietta. As mentioned above, Interstate 390 bounds the south side of the facility with a mainly residential area further south. E. Henrietta Road bounds the east side of the MDT site. Directly across the road is a Holiday Inn hotel. Adjacent to the north side of the site are a number of commercial establishments lining Jefferson Road including a nursery (Harris Seed), a software distribution company, a muffler shop, an automotive oil change shop, and restaurants. West of the site beyond the undeveloped portion of the site are commercial and light industrial establishments along Clay Road. There also are a few residential homes along Clay Road as well.



0 2000 4000

Scale in Feet

SCALE: 1 INCH = 2,000 FEET
CONTOUR INTERVAL: 5 FEET

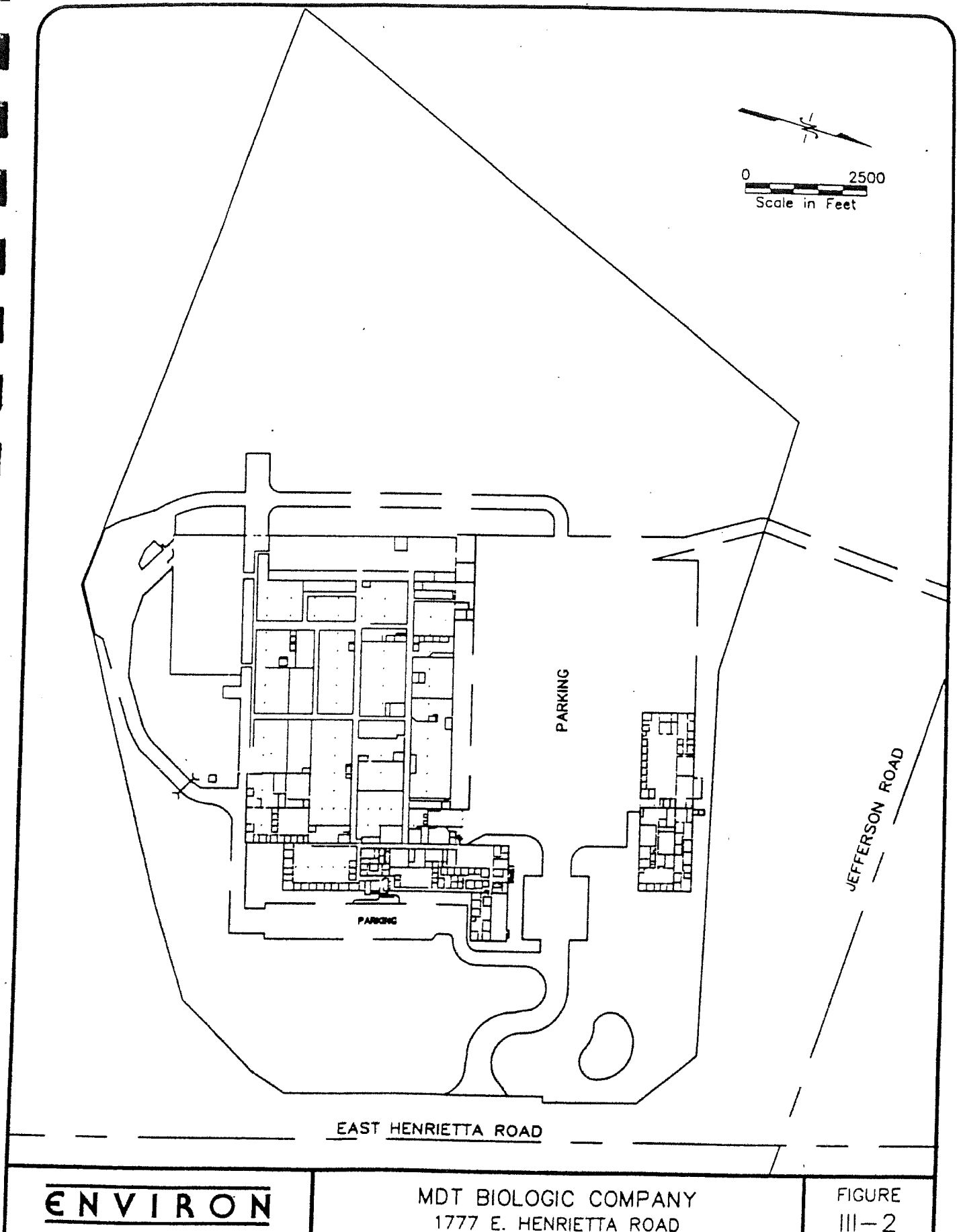
SOURCE: USGS PITTSFORD, NY TOPOGRAPHIC QUADRANGLE, 7.5 MINUTE SERIES, 1971. PHOTOREVISED 1978.

ENVIRON

FACILITY LOCATION MAP
MDT BIOLOGIC COMPANY
1777 F HENRIETTA ROAD - HENRIETTA, NY

FIGURE
III-1

DRAFTED BY: MD DATE: 3/22/05



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Based on a review of a topographical survey of the MDT property, the facility sits at an elevation of approximately 555 feet above mean sea level (amsl). The buildings at the site sit atop a flat area that slopes down to the north, east and south. The change in elevation from the area of the buildings down to E. Henrietta Road and Jefferson Road is approximately 30 to 40 feet. The undeveloped area of the site to the west of the buildings is actually higher in elevation than the rest of the site with an elevation of roughly 565 feet amsl.

Surface drainage from a majority of the site is directed to a detention basin located at the northeast corner of the property. A series of swales, storm water collection drains, and underground drainage conduits situated around the outside areas of the facility collect storm water and convey it to the pond. From the pond, drainage is reportedly discharged underneath E. Henrietta Road and Jefferson Road to what appears to be an intermittent tributary of Allen Creek. Based on a review of the USGS Pittsford, NY topographic quadrangle, Allen Creek eventually discharges into the Erie Canal, which is located approximately one and one-quarter mile to the northeast of the facility. Drainage from the undeveloped part of the site most likely either infiltrates into the ground or runs off onto adjacent areas. A review of historic aerial photographs shows that a smaller pond was formerly located off the south side of the building. This former pond may have been used to collect storm water from the south side of the site and is no longer present. Currently, a swale collects storm water from the south side of the facility and conveys it to the detention pond.

With the exception of the detention pond and possibly the drainage swales, it does not appear that any other portions of the site could be classified as wetlands. It is noted that a detailed inspection of the undeveloped portion of the site could not be performed, so it is not certain if any portion of the undeveloped area could potentially be considered wetlands. At the time of the site inspection, snow covered a majority of the site preventing an inspection of the entire ground surface.

Generalized geologic and hydrogeologic information obtained from documents held by MCEMC indicates that depth to ground water in the area of the facility is

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approximately 30 feet below ground surface. Based on a review of ground water elevation contours for the general area in which the facility is located, the direction of ground water flow in the vicinity of the facility appears to be to the northeast. Depth to bedrock in the area of the facility appears to be approximately 75 feet below ground surface with the average overburden thickness of approximately 50 feet to 100 feet.

Drinking water is provided by the Monroe County Water Authority and is obtained from either Lake Ontario or Hemlock Lake. There are reportedly no ground water supply wells on-site. The facility is connected to the Monroe County Pure Waters sewage system which operates the VanLare wastewater treatment plant on Lake Ontario.

Facility personnel believe that the facility was connected to the local sewer system around 1960. It is known that prior to hookup to the sewer system, the facility operated an on-site wastewater treatment facility which discharged its treated effluent to what is now the detention pond at the northeast corner of the site. According to facility personnel, the treatment system operated from 1954 to approximately the time the facility was connected to the sewer system around 1960. Facility personnel reported that wastewater from facility operations, with the exception of plating/finishing wastewater, was directed to the wastewater treatment system (plating wastewater was reportedly held in a sump inside the facility where the water was evaporated). The treatment facility was reportedly dismantled over a period of time and no signs of it remain visually evident. The area where the treatment system was previously located is now largely covered by a building and parking lots.

Electricity is provided by Rochester Gas & Electric (RG&E). Natural gas is line-fed by RG&E to the facility and is the main fuel source. The facility operates two 200 horsepower, low-temperature boilers for facility heating and two 150 horsepower and 160 horsepower boilers for processes. No. 2 fuel oil was used on-site as either a primary fuel source or a secondary fuel source until 1988 when the two fuel oil underground storage tanks were closed and removed (see Section F.1 below).

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2. Site History

Use of the site for manufacturing operations began in 1954 when the original facility was constructed by the Wilmot Castle Company (WCC) for the manufacture of sheet metal specialty products. WCC eventually merged with the Ritter Pfauaudler Corporation (1966) and then with Sybron Corporation. According to the Chain of Title provided to ENVIRON by MDT, prior to purchase by WCC, the site was used as an airport by Genesee Airport, Inc. The period of use as an airport is not clear, however, the airport existed before 1945, but was not observed on 1930 aerial photographs covering the general location of the site. Use of the site prior to the airport is unknown, however, a review of the Chain of Title does not suggest industrial usage. It is suspected that the site was most likely used for farming or agricultural uses, as the area in which the site is located appeared to be rural based on a review of the 1930 aerial photographs. Aerial photographs taken in 1951 do show the site to be occupied by a relatively small airport. The buildings apparently associated with the airport operations were located in what appears to be the northeastern section of the current facility's property. In 1951, the area around the airport appeared to be predominantly agricultural in nature.

The original facility constructed in 1954 has been enlarged by constructing additions at numerous times during its operational history. Major additions to the main building occurred in 1957-58 (quonset building), 1960 (high bay), 1965 (north office), and 1991 (warehouse). The original R&D building was constructed in 1963 and was expanded in 1972 and 1980. Sybron owned and operated the facility until 1987 when MDT bought the property and the facility from Sybron.

A review of the 1961 aerial photographs shows that the facility was present, although somewhat smaller than current proportions. The wastewater treatment facility is evident to the north of the main building in the vicinity of the north end of the current R&D building (note that the R&D facility was not present in 1961). The detention pond, which is still present on-site, is evident as is another pond located on the south side of the main building. The pond on the south side of the facility is believed to have collected surface

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drainage water from the area south of the main building. The surrounding area was observed to be generally agricultural in nature.

The 1970 photographs show the facility to be relatively the same configuration observed in the 1961 photographs with the north office area and the original R&D building constituting the main additions. The wastewater treatment facility is not apparent on the photographs indicating that it had been removed between 1961 and 1970. The area where it was located was observed to have a lighter shading to it as compared to surrounding undeveloped areas. The light shading appears to extend along the west and south sides of the main building to approximately the area where the former pond was located. The light shading may indicate ground disturbance, however, the cause was not clear from the photographs. The detention pond on the northeast corner of the site is evident as is the pond off the south side of the facility. The surrounding area appears to be a bit more developed, especially to the north, however, agricultural areas are evident to the west and south.

In the 1976 photographs, the facility appears relatively similar in configuration to its appearance in the 1970 photographs. The most prominent feature evident on the 1976 photographs is the apparent increase in height of the area to the west of the facility which may have resulted from the reported deposition of soil excavated from the construction of the adjacent Interstate 390. The construction of Interstate 390 is believed to have occurred in the mid-1970s. The light shaded area along the west side of the facility is evident as are the two ponds on-site. The review of the 1988 and 1993 photographs shows the facility much as it currently appears. On the 1988 photograph, an area within the undeveloped portion which appears to have been excavated like a borrow pit. This corroborates information provided by Mr. Lesnick indicating that the facility used to sell soil from that portion of the site as clean fill. The pond on the south side of the facility is not evident on the 1988 or on the 1993 photographs indicating it had been removed sometime between 1976 and 1988. Mr. Lesnick believed the pond was removed as a result of the Interstate 390 construction. The pond on the northeast corner of the site is evident on the photographs.

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C. Records Review

ENVIRON reviewed the results of the environmental data base searches performed by Vista. The data bases that were searched are identified in Appendix A. The MDT location (listed as Castle Company, Division of Sybron) is identified as having had two 10,000 gallon underground storage tanks (USTs) used to store fuel oil that were closed and removed. These USTs are discussed further in Section F.1 of this chapter. The MDT location (listed as Castle Company) is also identified on the state leaking underground storage tank (LUST) data base as experiencing a 3-gallon release of diesel fuel due to the failure of a tank on a truck/vehicle and not from the former USTs. The listing indicates that the release occurred in 1990 and that the case is closed and the cleanup complete. Mr. Lesnick had no recollection of the spill event occurring.

The identification of the facility on other federal and state data bases as indicated on a Facility Risk Profile (FRP) report generated by Vista is discussed in appropriate sections of this chapter.

No National Priority List (NPL) or RCRA treatment, storage or disposal (TSD) sites were identified within one-mile of the facility. Two state SPL sites were identified as being located within one-half mile to one mile of the facility. Based on the distance of these sites from the facility and the apparent situation of these sites to the northeast and to the northwest of the facility (i.e. not upgradient), these sites are not considered to represent a significant potential contamination threat to facility property.

No sites listed on the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) were identified as being located within one-half mile of the facility. Aside from the MDT facility itself, a total of six state LUST sites were identified as being located within one-half mile of the facility with one site located within one-eighth mile and two sites located between one-eighth mile and one-quarter mile of the facility. The 390 Truck Stop is listed as being located 0.05 miles to the north of the facility and is reported to have been the cause of petroleum ground water contamination which was discovered in 1989. The data base listing for this site indicates that the cleanup was completed and the case is closed. The location of this site is noted to currently be occupied by a Mobil

gasoline station. The two LUST sites located between one-eighth and one-quarter mile from the facility are indicated to have had their respective cleanups completed. The three remaining LUST sites are located far enough away from the facility (i.e., greater than one-quarter mile) to indicate that they most likely do not represent a significant contamination threat. Out of the six LUST sites identified within one-half mile of the facility, none appear to be situated in a location upgradient of the facility, assuming that ground water in the area generally flows to the northeast.

No state Solid Waste Landfill (SWLF) sites were identified as being located within one-half mile of the facility. A total of seven state UST sites were identified as being located within one-quarter mile of the facility and one state aboveground storage tank (AST) site was identified as being located between one-eighth mile and one-quarter mile of the facility. No sites listed on the Emergency Response Notification System (ERNS) as having had reported releases were identified as being located within one-eighth mile of the facility. One RCRA large quantity hazardous waste generator site and two RCRA small quantity hazardous waste generators sites were identified as being located within one-eighth mile of the facility. The identification of these sites in the vicinity of the facility does not necessarily represent an environmental concern.

D. Description of Operations

The MDT facility in Henrietta, New York fabricates, assembles, and tests medical products including sterilizer units; sanijet washers; rinser dryers; and stools, intravenous stands and other similar items. The facility also operates a biological laboratory in which bacteria are harvested and impregnated onto strips that are used to test the effectiveness of sterilizer units. The reported Standard Industrial Classification (SIC) code for the facility is 3841: Manufacture of Surgical and Medical Instruments and Apparatus. Manufacture of products includes machining, forming, buffing, etching, and welding of metals into desired configurations; degreasing of some components prior to plating/finishing operations; washing of components using a 5-stage washer prior to painting operations; painting using manual paint spray booths; assembly of products using fabricated parts and pre-manufactured

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electronic components; and testing of finished products. The facility also contains a cafeteria, warehouse space, administrative office space, engineering office space, and R&D office space.

The primary raw materials used in manufacturing operations include metals (carbon steel, aluminum, nickel alloy, copper tubing, and stainless steel); welding materials and gases; plating chemicals (including but not limited to sulfuric acid, muriatic acid, zinc chloride, hydrochloric acid, sodium hydroxide, and nitric acid), and solvent-based paints and thinners. Finishing operations consist mainly of zinc plating and electropolishing. Small amounts of methylene chloride and Freon 12 are used in one product line, however, according to Mr. Lesnick, the product line is to be terminated eliminating the use of those chemicals. For the growth of bacteria, the facility uses two strains of bacteria spores; agar (a gelatinous colloid extracted from algae with yeast extract, glucose, and tryptone); and tryptic soy broth (a soybean-based general purpose media), which is used as a nutrient source for the bacteria.

Testing of sterilizer products includes the use of ethylene oxide (in a mixture that is 10% ethylene oxide and 90% carbon dioxide or in a mixture that is 12% ethylene oxide and 88% dichlorofluoromethane, otherwise known as Freon 12), formaldehyde (in a product that is called Vapo-Steril - 0.23% formaldehyde, 72% alcohol, and the rest water), and peracetic acid which has recently begun being used by the facility as a potential replacement for ethylene oxide. Use of ethylene oxide and peracetic acid only occurs in testing chambers located in the R&D building. Vapo-Steril containing formaldehyde is used for testing units within the main building. The Vapo-Steril product is not manufactured at this MDT Facility, but is stored and used on-site only for testing purposes. The small facility printing operation located in the basement of the main building uses water-based inks and isopropyl alcohol to wipe down the small printing units. Mr. Lesnick reported that the printing operation was soon to be terminated.

Other chemicals used on-site include wastewater treatment chemicals; chemicals used in the 5-stage washer (including but not limited to iron phosphate, an aqueous-based degreaser, and chrome containing sealer); petroleum distillates for parts washing in Safety-Kleen parts cleaning units; boiler treatment chemicals; aluminum oxide for sandblasting; petroleum oils for gear boxes, hydraulic machinery, and air compressors; an aqueous-based detergent for

cleaning products prior to plating operations; cutting fluids for machining operations; and general facility maintenance and cleaning substances. The biological laboratory reportedly stores small amounts of miscellaneous chemicals for R&D purposes.

MDT's operations at the facility have reportedly always been similar to current operations. Prior to MDT purchasing the site from Sybron in 1987, it is believed that the same general manufacturing operations were conducted (i.e., the manufacture of medical sterilizers and related products). Specific changes in chemical usage identified by Mr. Lesnick during MDT's operation of the site include the elimination of 1,1,1-trichloroethane (1,1,1-TCA) for degreasing, the elimination of cyanides in the plating operation, the replacement of zinc phosphate with iron phosphate in the 5-stage washer, and the replacement of a Safety-Kleen parts washer solvent with one that has a flash-point above the hazardous waste threshold for ignitability (140°F). 1,1,1-TCA was used for an undetermined period of time ending in July 1995 when an aboveground vapor degreasing tank located in the plating department was reportedly removed from service and from the site. It was replaced with a washer that utilizes an aqueous-based cleaner.

E. Asbestos and Polychlorinated Biphenyls

According to Mr. Lesnick, there has never been a comprehensive asbestos survey conducted at the facility, however, there has been some spot checking and subsequent abatement actions. Asbestos abatement actions include identifying asbestos containing materials (ACMs) on the facility heating boilers and having such ACM encapsulated, as well as reportedly removing boiler room pipe insulation containing ACM. Such abatement work was reportedly conducted in 1987. Certain floor tiles present in the facility were reportedly tested and were determined to contain asbestos. In addition, Mr. Lesnick reported that roof materials containing asbestos were removed during 1993. ENVIRON has not received any documentation concerning asbestos testing or abatement activities as of the date of this report.

During the site inspection, the encapsulated ACM on the heating boilers was observed to be deteriorating. Insulation was observed on much of the piping present in the boiler room, and although much of it appeared to be fiberglass, a detailed inspection of all pipe insulation in

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the boiler room or throughout the entire facility was not conducted by ENVIRON. Floor tiles and ceiling tiles of the type known to have historically contained asbestos were noted in office areas and other non-production areas of the facility. It was reported that carpet covers much of the floor tiles determined to contain asbestos. According to Mr. Lesnick, most of the ceiling tiles in the facility have been replaced within the last 10 years.

ENVIRON recommends that known ACMs at the facility be evaluated to determine their physical condition and that the facility take appropriate actions (e.g. re-encapsulate the boiler ACM, if necessary). If any construction activities or modifications to the facility are conducted which may disturb suspect or known ACMs, the facility should ensure that it complies with OSHA's asbestos regulations found in 29 CFR 1926.1101. In addition, pursuant to 27 CFR 1910.1001, building and facility owners are required to inform employers of employees, and employers are required to inform employees who perform housekeeping activities in areas which contain ACM or potential ACM of the presence and location of ACM and potential ACM. This requirement includes, among other things, the posting of warning signs to alert workers of the presence of ACM or potential ACM.

USEPA has established National Emission Standards for Hazardous Air Pollutants (NESHAPs) which apply to asbestos (40 CFR 61, Subpart M). In terms of the facility, the asbestos standard would potentially apply if demolition and/or renovation activities are conducted (§61.146 and 61.147), and/or if asbestos-containing insulating materials are present (§61.150). The facility should ensure it complies with these requirements, if they are found to be applicable.

Mr. Lesnick reported no knowledge of polychlorinated biphenyls (PCBs) currently on-site. He did report the former presence of two facility-owned transformers that contained 675 gallons of PCB-containing liquid. These two transformers were located within the main building and were removed in 1987. They were replaced with three dry-type units. The transformers and the PCB-containing liquid were disposed of at General Electric Company, 175 Milens Road, Tonowanda, NY 14150 (EPA ID # NYD067539940). Currently, the facility owns and operates the three dry units, but there are three utility owned, pole-mounted units outside the facility as well as one utility owned, pad-mounted unit located outside the

R&D building. Mr. Lesnick did not know if the utility owned units had ever been checked for PCB content by Rochester Gas and Electric Company (RG&E). No PCB markings were observed on the pad-mounted unit, and no evidence of leakage from any of the utility owned units was evident.

Mr. Lesnick had no knowledge of any PCB-containing capacitors and did not believe any of the hydraulic machinery contained any PCB-containing oils. He stated that facility generated waste oils are annually analyzed for contaminants, and PCBs have never been detected. No information was available as to whether PCB-containing hydraulic oils may have been used by previous owners of the facility. No light ballasts at the facility were known to him to be PCB-containing.

F. Chemical and Chemical Waste Storage

1. Underground Storage Tanks

The facility does not currently have any underground storage tanks (USTs) on-site. During the site inspection, ENVIRON did not note any evidence (e.g., vent lines, fill ports, pump stations) of USTs at the facility. Two 10,000-gallon USTs used to store No. 2 fuel oil, which were originally installed in 1954, were closed and removed in 1988. According to Mr. Lesnick, at the time the USTs were excavated and removed, no visual or olfactory contamination was encountered, and the USTs were noted to be situated within a concrete vault. The USTs were located just off the northeast side of the main parking lot between the main building and the R&D building. No soil or ground water samples were obtained at the time of closure. Based on the lack of any evidence of contamination, the USTs were removed and the excavations were filled in. The lines running from the USTs to the facility heating boilers were reportedly not removed or evaluated at the time the USTs were closed. The lines are believed to still be present underneath the main parking lot.

Reportedly, a representative of the Town of Henrietta observed the removal operations; however, the New York State Department of Environmental Conservation

(NYDEC) did not observe the excavation or removal in 1988. However, NYDEC did visit the site in 1995 to verify the proper closure of the USTs. Mr. Lesnick did not know why it took so long for NYDEC to visit the site. Based on NYDEC's site visit, NYDEC issued a letter to MDT granting approval for the closure of the USTs in compliance with applicable regulations.

2. Aboveground Storage Tanks

The facility currently utilizes two aboveground storage tanks (ASTs) on-site; a 14,000- pound AST used to store argon for welding, and a 100-gallon AST used to store gasoline for lawn mowers and tractors. The argon AST is located off the south side of the facility and is maintained by Linde for MDT. Since argon is a gas, liquid spill containment is not relevant. The gasoline AST is located off the north-northeast side of the facility and does not have any secondary containment around it. Mr. Lesnick had no knowledge of any spills or leaks associated with the gasoline AST. ENVIRON recommends that the gasoline AST be equipped with secondary containment to prevent leaks or discharges from impacting the underlying ground. No visually evident signs of leaks were noted around the gasoline AST.

3. Drum and Other Storage Areas

Drums and smaller containers are stored throughout the facility primarily at points of use. There is no specific location dedicated to new chemical storage, however, paints in 5-gallon and smaller containers are stored in a small room that is kept locked and is labeled with signs indicating the presence of flammable materials. During the inspection of the production area of the facility, drums appeared to be stored haphazardly in areas not equipped with secondary containment. For example, a number of drums apparently not associated with the 5-stage wash system were observed around that unit. Also, in the plating area, drums and other containers of chemicals were observed to be situated in such a manner as to allow for a release to enter the plating area trench system if a release occurred. According to Mr. Lesnick, production area floor drains have been sealed and

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the plating area trench system main drain is closed after regular operational hours. During the site inspection of the production areas, minor staining, which is assumed to have occurred from years of operations, was noted. No visually apparent evidence of significant releases were noted. ENVIRON recommends that the facility implement secondary containment measures for its bulk chemicals and attempt to consolidate the storage of its bulk chemicals to eliminate unnecessary distribution of drums and other containers throughout the facility.

Hazardous wastes and empty chemical containers are stored within a covered and raised concrete platform that is located outside off the north-northwest side of the main building. This structure is not equipped with curbing or other means of secondary containment to prevent spill or leaks of wastes from reaching the pavement and storm drains around it. At the time of the site inspection, approximately 50 empty drums were situated within and around the storage structure. In addition, one drum of flammable paint waste (hazardous - D001) was stored within the structure. No visually apparent evidence of staining or chemical releases were noted around the storage structure, however, it is noted that the presence of the numerous drums in the area prohibited an inspection of the entire asphalt surface.

ENVIRON recommends that the storage structure be equipped with secondary containment and that the facility implement some means of separating hazardous waste containers from empty drums and other wastes (e.g., waste oils and coolants). An effort should be made to keep the area around the storage structure free of empty drums, as empty drums can contain residues that can leak onto the asphalt and into nearby storm drains. Costs associated with these suggested modifications to the storage structure would not be expected to exceed \$20,000.

Ethylene oxide-containing chemicals are kept within the R&D building and according to Mr. Lesnick the facility normally stores approximately six 140 pound bottles of the ethylene oxide-containing chemicals on-site at any one time. He also estimated that approximately 320 liters of Vapo-Steril solution is stored in the main building for testing purposes. Mr. Lesnick reported that no chemicals are stored outside the facility and that to

his knowledge, there has not been other outside locations where the facility has stored hazardous wastes or empty drums.

4. Spill Prevention Control and Countermeasures (SPCC) Plan

Facilities with the capacity to store oil or petroleum products in a single aboveground container larger than 660 gallons or in a combination of aboveground containers with a total volume of 1,320 gallons, and facilities with an underground storage capacity exceeding 42,000 gallons are required to prepare an SPCC plan, as specified under 40 CFR Part 112.3, if the facility could reasonably be expected to discharge petroleum to navigable waters. According to Mr. Lesnick, the facility would store on average a total of ten 55-gallon drums of oils and coolants at any one time. Based on this information and assuming that all the drums hold petroleum products, the drum volume in combination with the 100 gallons of gasoline in the AST would not exceed the aboveground storage capacity threshold. Therefore, the facility does not appear to be required to prepare an SPCC plan.

G. Hazardous and Nonhazardous Waste

1. Hazardous Waste Management

The facility's EPA ID Number is NYD002215739. According to Mr. Lesnick, the facility was operating as a large quantity generator (LQG) of hazardous waste until it eliminated the generation of waste 1,1,1-TCA (by eliminating the use of 1,1,1-TCA) and by switching to a petroleum distillate with a flashpoint below the hazardous threshold. The elimination of these hazardous waste streams occurred by the end of 1995 and the facility reportedly currently generates less than 2,200 pounds (1,000 kg) of hazardous waste, which would designate the facility as a small quantity generator (SQG). Mr. Lesnick requested a change in generator status with NYDEC in January 1996 and is still awaiting confirmation from NYDEC.

According to Mr. Lesnick, the facility's main hazardous waste streams include paint-related wastes (paint residues, thinners, rags, etc.) and electroplating sludge. The facility currently generates approximately four drums per year of paint wastes and approximately one drum per year of electroplating sludge. A review of the facility's most recent hazardous waste manifest dated January 17, 1996 indicates one drum of waste isopropyl alcohol and methyl alcohol (D001), one drum of caustic alkali liquids (sodium hydroxide and potassium hydroxide - D002), one drum of waste paint including 1,1,1-TCA (D001 and F001), and one drum of flammable liquids (isopropyl acetate and pyridine) (D001 and D038). According to Mr. Lesnick three of the four drums listed on the manifest represent waste streams not consistently generated by the facility. The isopropyl alcohol and methanol were generated from product testing using Vapo-Steril solution which is only conducted periodically. The caustic alkali liquids were virgin materials which could not be used by the facility. The flammable liquids were from inks no longer used by the facility. The 1,1,1-TCA in the paint waste represented left over solvent from the former vapor degreasing operation which appears to have been mixed together with the facility's paint waste stream.

A review of facility manifests for the last three years shows similar generation of hazardous wastes (i.e., primary waste streams with periodic disposal of miscellaneous chemicals). Waste 1,1,1-TCA which was generated from the former vapor degreasing operation and spent Safety-Kleen parts cleaning solvent which was hazardous based on its flashpoint (below 140° F) were noted on past manifests when these wastes were being generated by the facility. Periodic cleaning of the R&D laboratory results in disposal of small amounts of miscellaneous hazardous wastes. The last such cleaning occurred in 1994 and resulted in a lab-pack disposal of numerous wastes.

At the time of ENVIRON's site inspection only one drum of waste paint was being stored in the designated hazardous waste storage area. Mr. Lesnick reported that hazardous waste is removed from the site within the designated time frame required (90 days for a large quantity generator and 180 days for a small quantity generator). The facility uses satellite accumulation drums to hold waste paint materials in the paint area

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and in the plating room for the sludge removed by filter or by manual removal from the bottom of the finishing tanks. Hazardous waste drums were noted to be labeled and marked correctly, and no visually evident signs of leaks or spills associated with the storage of hazardous wastes were noted.

Based on information supplied by Mr. Lesnick, on a review of facility manifests and annual hazardous waste generation reports, and on observations made during the site inspection, it appears as though the facility is in substantial compliance with RCRA hazardous waste regulations. As a LQG, the facility has met its requirements for submitting annual reports to NYDEC, providing RCRA hazardous waste training for designated personnel, conducting at a minimum weekly inspections of hazardous waste storage area, storing hazardous waste on-site for less than 90 days, and maintaining manifests and related documentation on-site for required periods of time. When the facility is officially designated a SQG, it will not be required to comply with all of the same requirements applicable to LQG, however, the facility will still need to ensure it meets the SQG requirements, which include but are not limited to storing wastes on-site for no longer than 180 days, using accepted waste manifests, disposing of hazardous wastes at RCRA-permitted facilities, and maintaining waste records on-site for required periods of time (usually 3 years).

According to Mr. Lesnick, the last RCRA hazardous waste inspection of the facility occurred in 1989 by NYDEC. He did not have a copy of the inspection report, however, he stated that no violations were noted and no fines were imposed by NYDEC on the facility. In 1988, the facility had also received a RCRA inspection and was fined \$3,000 as a result of violations noted by NYDEC. Violations identified by NYDEC included:

- Failure to appropriately label hazardous waste containers;
- Failure to mark hazardous waste containers with waste accumulation start dates;
- Failure to conduct weekly inspections of hazardous waste storage areas;
- Failure to post appropriate signs at hazardous waste storage areas;
- Lack of a written emergency contingency plan;

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- Failure to provide personnel with RCRA hazardous waste management training; and
- Failure to keep hazardous waste drums closed during periods of non-use.

The facility corrected the noted violations and received a follow-up inspection later in 1988. No violations were noted during the follow-up inspection.

The facility uses Laidlaw Environmental Services (Laidlaw) to transport its hazardous wastes to a Laidlaw facility located in Lawrence, MA. According to documentation provided to the facility by Laidlaw, Laidlaw can use a number of designated disposal facilities for ultimate disposal of the wastes. Mr. Lesnick was not specifically aware of the other disposal facilities used by Laidlaw for the disposal of facility wastes, however, Mr. Lesnick had requested Laidlaw to supply a list of the disposal facilities used.

Mr. Lesnick provided hazardous waste disposal information in the form of annual hazardous waste generation reports required for submission by the facility to NYDEC. Reports from 1989 to the present were reviewed by ENVIRON. Disposal facilities identified from the annual reports are listed on Table III-1. Also included on Table III-1 are other waste disposal facilities reported by Mr. Lesnick to have received wastes generated by the facility. Mr. Lesnick believed the facility has used Laidlaw for approximately six years. Specific information regarding hazardous waste information prior to the late 1980s was unknown to Mr. Lesnick with the exception of the use of Safety-Kleen which he believed dates back to the 1970s for disposal of parts cleaning wastes.

Facility personnel reported that the facility historically used to dispose of plating/finishing sludge generated from the evaporation of wastewater by disposing of it at a location described as being located in an area now covered by Interstate 390. Mr. Lesnick did not believe that area would include any areas currently within facility property, however, he has no direct knowledge of historical facility disposal practices. No other information concerning historical waste disposal (e.g., sludge disposal from the former wastewater treatment facility or historical chlorinated solvent disposal from

<p style="text-align: center;">TABLE III-1 Waste Disposal Facilities Reported to Have Received Wastes Generated by MDT, Henrietta, NY</p>		
Facility Identification	CERCLIS Listing	NPL Listing
General Electric Co. 175 Milens Road Tonowanda, NY NYD067539940	Not Listed	Not Listed
Laidlaw Environmental Services Northeast Solvents Crelamation Corp. 300 Canal Street Lawrence, MA MAD000604447	DS - 7/30/91 PA - 6/22/92	Not Listed
Ogden Martin 100 Recovery Way Haverhill, MA MAD097435416	Not Listed	Not Listed
Bison Waste Oil PO Box 147 240 Main St. Cowlesville, NY 14037 NY0986876365	Not Listed	Not Listed
Lyle Metals Rochester, NY	Not Identified	Not Identified
High Acres Landfill Waste Management Inc. Perinton, NY	Not Identified	Not Identified
Safety-Kleen 1525 W. Henrietta Rd. Avon, NY NYD980753784	Not Listed	Not Listed
Marine Shale Processors Highway 90 East Morgan City, LA LAD981055706	DS - 10/1/89 PA - 1/1/90	Not Listed
North American Environmental Services Division 2321 Kenmore Avenue Buffalo, NY NYD986875854 or NYD045969433	Not Listed	Not Listed
Hazmat Environmental Service Group 60 Commerce Drive Buffalo, NY NYD986887354	Not Listed	Not Listed
Environmental Service Group 177 Wales Ave. Tonawanda, NY NYD986903904	Not Listed	Not Listed

<p>TABLE III-1 Waste Disposal Facilities Reported to Have Received Wastes Generated by MDT, Henrietta, NY</p>		
Facility Identification	CERCLIS Listing	NPL Listing
Chemtron 35850 Schneider Court Avon, OH OHD066060609	DS - 9/1/80 PA - 8/1/84 NFRAP	Not Listed
Research Oil Co. 2655 Transport Rd. Cleveland, OH OHD004178612	DS - 1/15/88 PA - 1/6/89 NFRAP	Not Listed
Mercury Refining Co. 20 Railroad Ave. Colonic, NY NYD048148175	See NPL Listing	DS - 8/1/82 PA 1 - 8/1/82 SI 1&2 - 12/1/82 HR - 12/1/82 NF - 9/8/83 CO - 3/19/85 RV 1 - 1/2/86 ACO - 6/9/89 RS1 - 9/7/90 RS2 - 2/3/93
Environmental Enterprises Inc. 4650 Spring Grove Ave. Cincinnati, OH OHD083377010	DS - 1/15/88 PA - 1/9/89	Not Listed
Safety-Kleen State Highway 146 New Castle, KY KYD053348108	DS - 11/1/79 PA - 8/1/84 SI - 4/1/85	Not Listed
Safety-Kleen Corp. 1200 Sylvan Ave. Linden, NJ NJD002182897	DS - 11/1/79 PA 1 - 1/1/80 SI - 4/1/80 PA 2 - 6/3/88	Not Listed
Frontier Chemical Waste Process 4626 Royal Ave. Niagara Falls, NY NYD043815703	DS - 9/1/85 PA 1 - 11/1/85 SI 1 - 12/1/85 PA 2 - 3/15/86 RV 1 - 8/15/94 RV 2 - 5/16/94 RV 3 - 3/21/95	Not Listed
GSX Chemical Services of Ohio 7415 Bessemer Ave. Cleveland, OH OHD980569438	DS - 4/15/88 PA - 4/7/89 NFRAP	Not Listed

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TABLE III-1 Waste Disposal Facilities Reported to Have Received Wastes Generated by MDT, Henrietta, NY		
Facility Identification	CERCLIS Listing	NPL Listing
XXKem 3903 Stickney Ave. Toledo, OH OHD980586804	DS - 6/1/81 PA - 4/20/88 SI - 9/27/93 ES - 9/29/94	Not Listed
Enviroteck 2 4000 River Rd. Tonowanda, NY NYD038641601	ACO - 5/9/90 RV - 5/28/93	Not Listed
Kaplan Container Corp. 100 Despatch Dr. Rochester, NY	Not Listed	Not Listed
Notes: DS = Discovery NF = NPL Final Listing PA = Preliminary Assessment ACO = Administrative Consent Order SI = Site Inspection NFRAP = No Further Remedial Action Planned RV = Removal Action CO = Combined RI/FS ES = Listing Site Inspection RS = Removal Investigation - NPL		

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degreasing operations) was known to Mr. Lesnick. Without further information it is not possible for ENVIRON to accurately evaluate the liabilities associated with former hazardous waste disposal by the facility.

According to Mr. Lesnick, the facility has been identified as a potentially responsible party (PRP) for three Superfund sites: XXXKem in Toledo, OH; Enviroteck 2 in Tonawanda, NY; and a site referred to as Chem-Trol/Balasdell. Mr. Lesnick reported that for the XXXKem site, the facility was liable for approximately \$400, but that the facility's involvement in the case has not yet been resolved. The facility reportedly paid approximately \$2,500 as a PRP for the Enviroteck site and reportedly this case has been closed. The facility, under operation by Sybron, was held liable for \$13,000 in the Chem-Trol/Balasdell site. According to Mr. Lesnick, MDT has no liability associated with this site. No additional information concerning the facility's PRP involvement was provided to ENVIRON.

2. Nonhazardous Waste Management

Nonhazardous waste generated by the facility includes office trash, cafeteria waste, paper and plastic, and packaging waste. These wastes are collected in an on-site compactor and are picked up by Waste Management, Inc. (WMI) and are disposed of at the High Acres Landfill in Perinton, NY.. The facility separates the following materials for recycling: corrugated cardboard, office paper, glass, aluminum cans, and wooden pallets. WMI handles the recycling effort for these materials.

The facility also has two special nonhazardous waste streams that are also disposed of by WMI at the High Acres Landfill; pulverized aluminum oxide generated from sandblasting operations, and spent paint filters from spray painting operations. Waste characterizations have been performed on these waste streams by WMI, which document that they are nonhazardous streams. Aluminum oxide is collected in a separate dumpster from the other wastes, however, the spent paint filters are put in with the other nonhazardous waste going to High Acres.

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The biologic laboratory operation generates what is referred to as a "media" waste stream. This includes plastic petri-dishes and glass vials containing the T-soy growth media, agar, and the bacteria. As part of the facility's standard operating procedures, the media waste is sterilized to kill all living bacteria. The facility determined that the media waste is not a medical waste stream since it does not contain an infectious agent or pathological material. Mr. Lesnick reported that this waste stream was formerly disposed of at the High Acres Landfill; however, in 1990-1991, the Landfill stopped accepting the waste due to concerns about its biological constituents. As a result, the facility was forced to find an alternative for disposal and eventually contracted with Laidlaw to transport the media waste to the Ogden Martin facility in Haverhill, MA for incineration. The media waste is not a hazardous waste, but is handled and marked separate from the rest of the facility's nonhazardous waste streams. Approximately 80 plastic 55-gallon drums of media waste are generated annually. The facility stores the red plastic drums off the west side of the R&D building. At the time of the site inspection, approximately 30 drums of media waste were observed in this area and no signs of leaks or discharges were noted around the drums.

Other nonhazardous waste streams include spent Safety-Kleen parts cleaning solvent generated from the seven parts cleaning units located throughout the facility, scrap metal, and empty chemical drums. The Safety-Kleen solvent used is reportedly "Premium Solvent" which is composed of various petroleum hydrocarbons. Safety-Kleen services the parts cleaning units on a regular basis and recycles the spent solvent. Safety-Kleen periodically samples the waste solvent to ensure it is not hazardous. Scrap metal is collected throughout the facility and is eventually purchased by Lyle Metals for recycling. Mr. Lesnick reported that residues in drums are removed and plastic drums are returned to the vendor (mainly Sterling Chemical) and metal drums are taken by Kaplan Container. Empty drums are stored in and around the hazardous waste storage structure prior to pickup.

H. Air Emissions

The primary sources of air emissions at the facility include the spray painting operations; the 5-stage washer unit; plating/finishing operations; welding and buffing operations; product testing using materials containing ethylene oxide, formaldehyde, and peracetic acid; and process and heating boilers. According to information and documentation provided by Mr. Lesnick, the facility currently has 20 NYDEC permitted air emission sources. Table III-2 lists the permitted emission sources, associated control equipment, listed contaminants, and listed permissible emission rates. Based on a review of the Certificates to Operate for the sources and of Applications to Construct provided for some of the sources, the permissible emission rates listed appear to be based on facility calculated annual emissions (i.e., for most permitted sources the annual actual emissions are the same as the permissible annual emissions). Mr. Lesnick was not aware of any other emission estimates for facility sources. No stack testing or other air emission monitoring has been conducted at the facility. Fugitive emissions have apparently not been calculated for facility operations. All Certificates to Operate appear to have been issued in 1992 and all appear to expire in 1997.

According to Mr. Lesnick, the facility's current operations do not result in emissions rates approaching the permissible limits established in the permits because the facility has eliminated or reduced to amount of contaminants used since the calculated annual emission estimated were generated. The facility is reportedly not operating at maximum production capacity, and Mr. Lesnick did not believe an increase in production rates would result in exceedances of the permissible limits.

According to Mr. Lesnick, there are at least two new welding sources for which Applications to Construct have not been submitted to NYDEC. As a result, no Certificates to Operate have been obtained. A review of the facility's Certificates to Operate show three emission points for ethylene oxide (301, 302, and 310). According to Mr. Lesnick only two of them (302 and 310) are actually used. The third was reportedly never established, although the permit was obtained. In addition, the permits for emission points 302 and 310 indicate the use of a catalytic unit for air pollution control when in actuality the facility replaced that unit with the sulfuric acid scrubber a few years ago. Furthermore, although the facility has six

TABLE III-2
Permitted Emission Sources

Emission Point ID Number	Description of Emission Source	Control Equipment	Contaminants Emitted	Permissible Emission Rate (lb/yr)
001	Paint drying oven	Fan	Paint thinner (volatiles)	1689
004	Plating tank	Fan	Zinc chloride	192
006	Cleaning Tank	Fan	Hydrogen sulfide Sulfuric Acid	844 76.8
007	Reproduction machine	Fan	Ammonia	748.8
111	5-stage washer with two exhaust stacks	Fan	Sodium hydroxide Chromic Acid	2.4 2.4
112	Paint bake oven	Fan	Cellosolve acetate	480
113	Paint spray booth	Fan and filter	Particulates Cellosolve acetate	21.6 1080
114	Paint spray booth	Fan and filter	Particulates Cellosolve acetate	21.6 1080
115	Paint spray booth	Fan and filter	Particulates Cellosolve acetate	21.6 1080
116	Paint spray booth	Fan and filter	Particulates Cellosolve acetate	21.6 1080
117	Paint spray booth	Filter	Particulates Cellosolve acetate	10.8 540
119	Paint spray booth	Fan and filter	Particulates Cellosolve acetate	24 300
123	Grinding and machining	Dust collector	Particulates	1407
301	Product testing	None	Ethylene oxide Freon 12	79.3 476.2
302	Product testing	Sulfuric acid scrubber	Ethylene oxide Freon 12	0.118 912
304	Product testing	None	Formaldehyde Methanol Ethanol Propanol	Not listed 3.2 3.2 1.8
306	Cleaning of application gun	None	Methylene chloride Organic particulates	613 8.760

TABLE III-2 Permitted Emission Sources				
Emission Point ID Number	Description of Emission Source	Control Equipment	Contaminants Emitted	Permissible Emission Rate (lb/yr)
307	Product testing	None	Ethanol Formaldehyde Methanol	4977 19.97 300
310	Product testing	Sulfuric acid scrubber	Freon 12 CO2 Ethylene oxide	1528 480 9.880
12200	Soldering and welding	Fan	Lead Tin Particulates	Not Listed Not Listed 1407

permitted paint spray booths, only three are reportedly used. ENVIRON recommends that the facility review its current operations and make the necessary modifications in terms of bringing its permitted sources up-to-date; estimated costs to perform that review would not likely exceed \$10,000. It is possible that if the facility received an air inspection by NYDEC, it could be fined for operating sources without authorization or for modifying sources without authorization; such fines could be significant. Mr. Lesnick reported that the facility has not received an air inspection by NYDEC since the late 1980s. He was not aware of any noted fines or violations associated with facility air emissions.

USEPA has established National Ambient Air Quality Standards (NAAQS) for six criteria pollutants: ozone, nitrogen dioxide, sulfur oxides, carbon monoxide, particulate matter (PM₁₀), and lead. States are required to meet NAAQS by regulating emissions of criteria pollutants (in the case of ozone, ozone's reactive precursors, volatile organic compounds [VOCs] and nitrogen oxides [NO_x], are regulated) from sources that are determined to be "major sources" of the criteria pollutants. A source is considered major if it has the potential to emit any of the pollutants above established thresholds. A facility's potential-to-emit generally means the amount of a pollutant the facility could emit if it operated its production processes continuously for 24 hours a day, 7 days a week, 52 weeks per year.

The established major source thresholds are dependent upon how USEPA has assessed current air quality in different geographic regions of the United States. Regions that are considered to have air quality as good or better than the established NAAQS are designated as "attainment areas." Regions that are considered to have air quality below NAAQS are designated as "non-attainment" areas. Non-attainment areas are categorized as marginal, moderate, serious, severe, or extreme, depending upon how poor the air quality is assessed to be. Major source thresholds are higher in attainment areas than in non-attainment areas and decrease in relation to the designation of non-attainment areas. Regions can be designated as attainment for some criteria pollutants, and non-attainment for others.

The MDT facility is located in New York State which is considered part of the Northeast Ozone Transport Region. Major source thresholds for criteria pollutants in the Northeast Ozone Transport Region are 50 tons per year of VOCs, and 50 tons per year of NO_x. USEPA

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has also identified 189 individual chemicals which have been designated as hazardous air pollutants (HAPs). Facilities are considered major sources of HAPs if they emit 10 tons per year of any individual HAP or 25 tons per year of aggregate HAPs. The designation of a major source facility for HAPs has no connection to attainment or non-attainment areas, which have been established only in association with criteria pollutants.

Title I of the Clean Air Act Amendments of 1990 (CAAA) requires existing major sources of VOCs and NO_x in ozone non-attainment areas to install Reasonably Available Control Technology (RACT) to limit emissions of these criteria pollutants. Under Title III of CAAA, Maximum Available Control Technology (MACT) emission standards are being developed for major sources of HAPs within various source categories. In general, a facility that is regulated as a major source under Title I or Title III is required to obtain an operating permit pursuant to Title V of CAAA. All states were required to submit their operating permit programs to USEPA for review and approval. Some states have already received authorization to implement the Title V permitting program. NYDEC was to receive authorization to implement its Title V permitting program by spring of 1996.

The facility has not conducted an evaluation of its emissions with respect to compliance with the CAAA. Mr. Lesnick believes that the facility is not required to submit information to NYDEC until 1997. Based on Mr. Lesnick's knowledge of the amounts of chemicals used annually in facility operations, he does not believe the facility would exceed major source thresholds for criteria pollutants or for HAPs. The facility does emit criteria pollutants and a number of HAPs (including but not limited to ethylene oxide, formaldehyde, hydrochloric acid, methyl ethyl ketone, hexone, toluene, xylene, and some metals). Finishing operations conducted at the facility would appear to bring the facility under the Miscellaneous Metal Parts and Products category of the Surface Coating source category for which MACT standards are to be established for major sources in the year 2000. Mr. Lesnick expects to begin evaluation of the facility's emissions this year to determine if the facility's emissions fall under major source thresholds.

Based on a review of annual chemical usage rates and on a review of permitted emission rates provided by Mr. Lesnick, it does not appear that the facility uses chemicals in amounts

that would approach major source emission thresholds. Based on that information only, and without assessing the facility's potential-to-emit regulated chemicals, it does not appear that the facility would be designated a major source subject to the Title V operating permit program requirement or to MACT standards (for HAP emissions). However, the facility needs to evaluate its emissions more closely, including assessing its potential-to-emit numbers. Only then can an appropriate determination with regard to compliance with CAAA regulations be made.

I. Wastewater Discharges

Wastewater streams generated at the facility and discharged to the sanitary sewer system include sanitary wastewater from bathrooms and cooking facilities, boiler blowdown, air compressor condensate, wash water from the 5-stage wash unit, water used in hydrostatic testing of products, aqueous-based detergents used for degreasing in the plating area, and plating operation wastewater which has been pre-treated to remove metals. The average monthly water consumption of the facility is approximately 127,000 gallons per day. The plating/finishing operation consumes approximately 39,000 gallons per day while the rest of the facility operations consume approximately 87,000 gallons per day. The facility discharges to the sanitary sewer under terms of Sewer Use Permit No. 628, issued by Monroe County. The permit is issued on an annual basis and the current permit for the facility expires on September 30, 1996.

According to the current permit, the facility is subject to effluent guidelines for the Metal Finishing Existing Source pretreatment category (40 CFR 413 and 433). Accordingly, the permit establishes certain effluent limitations, which are listed in Table III-3. The permit requires the facility to conduct its own monthly sampling and analysis in accordance with 40 CFR 136. Table III-3 lists sample types and the number of samples required for the specified parameters. To achieve the established effluent limitations, the facility pretreats its plating/finishing wastewater for metals removal and pH neutralization. Metals are precipitated out from wastewater in the muriatic acid tank while wastewater from the BrightDip tank, the zinc acid tank, the electropolish tank and the nitric acid tank is fed through a filter to remove

TABLE III-3 Wastewater Effluent Standards				
Parameter	PSES Daily Max (ppm)	PSES Max Monthly Ave (ppm)	Sample Type	Sampling Frequency
pH	5.5 - 10 SU	--	Grab	Monthly
Cyanide (total)	0.31	0.20	Grab	Monthly
Cadmium (total)	0.21	0.08	Timed Composite	Monthly
Chromium (total)	0.85	0.53	Timed Composite	Monthly
Copper (total)	0.92	0.64	Timed Composite	Monthly
Lead (total)	0.21	0.13	Timed Composite	Monthly
Nickel (total)	0.92	0.73	Timed Composite	Monthly
Silver (total)	0.13	0.07	Timed Composite	Monthly
Zinc (total)	0.80	0.45	Timed Composite	Monthly
Total Toxic Organics*	0.65	--	Timed Composite	Monthly
Notes: PSES = Pretreatment Standards for Existing Sources * = The facility reported that it is not required by Monroe County to analyze for TTO. Monroe County will periodically obtain its own wastewater sample and include TTO in its analyses. The facility also reports that it has an Oil and Grease limit of 100 ppm.				

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particulates containing metals and other solids. Water from the nitric acid tank, the zinc acid tank and the electropolishing tanks is recirculated to reuse the water during the finishing process. Wastewater generated from the muriatic acid tank, the rinse tanks, and the sodium hydroxide tank (after neutralization) is discharged from the tanks to a series of concrete floor trenches, which lead to a main drain discharging to the sewer system.

A review of the facility's monthly wastewater monitoring reports for the last year indicate that the facility has generally been in compliance with its sewer use permit. Exceptions appear to have occurred in September 1995 when the facility exceeded its limits for copper, nickel, chrome, and lead, and in October 1995 when the lead limit was exceeded. According to Mr. Lesnick, the exceedances occurred because facility personnel did not allow enough time for metal precipitation to occur. The problem was identified and steps were implemented to ensure it would not happen again. The only other significant exceedance resulted from a crack in a tank that caused a slug discharge to the sewer in November 1995. None of the exceedances resulted in fines from the sewer authority. Based on information provided by Mr. Lesnick, the facility appears to otherwise consistently meet its discharge requirements. Mr. Lesnick reported no outstanding sewer violations or fines. The sewer authority periodically visits the facility to conduct an inspection and to obtain its own wastewater sample from the designated wastewater sampling location which is just of the north side of the R&D building. Mr. Lesnick was not aware of any concerns associated with the sampling of wastewater by the sewer authority.

The facility submitted an application for a general storm water permit to NYDEC in 1993. The facility collected storm water samples as part of the permit application. A review of the sample analyses shows no significantly high parameter results except for pH which was detected in one sample at 9.22 SU. The reason for the elevated pH is unknown. According to Mr. Lesnick, NYDEC has not yet responded to the permit application. At the time the storm water permit application was submitted, the facility reportedly was discharging water used for hydrostatic testing of products to a drainage swale located on the south side of the facility. This discharge was eliminated in 1995 so that there is no water associated with facility operations currently discharged to the ground or to surface water with the exception of boiler

blowdown from the R&D building boiler which is discussed below in Section J. The facility does store vessels and other miscellaneous metal parts outside, however no chemicals or items which could potentially contaminate storm water were observed. Based on the reported SIC of the facility, it appears that the facility is only required to submit an application for a storm water permit if storm water has the potential of being contaminated by facility operations. If the facility can eliminate storage of all items from outside areas, it is possible that the facility may not require a permit. The facility may want to consider informing NYDEC of the modification of its storm water discharge, since that may influence the determination of whether or not the facility requires a storm water permit.

As described above, a series of drains and swales collect and convey storm water to the detention pond located on the northeast corner of the property. Roof drains discharge to the swales and air conditioner condensate is discharged to swales as well. Storm water from the site reportedly is eventually discharged to the Erie Canal.

J. On-site Soil and Ground Water Contamination

Mr. Lesnick reported no knowledge of any on-site soil or ground water contamination. During the site inspection, ENVIRON did not note any visually apparent signs (e.g., significant soil staining, dead or stressed vegetation) of soil contamination with the exception of a small area which appeared to receive blowdown from the boiler located in the R&D building. This area is located along the north side of the R&D building, and lack of grass was noted in the discharge area. The area was not observed to be extensive and is estimated to be one to two square feet in area. The facility should eliminate the blowdown discharge to the ground.

Based on information provided by facility personnel and on the site visit, ENVIRON identified several potential sources of soil and/or ground water contamination at the facility, primarily related to historical operations at the site. These include:

- The former operation of an on-site wastewater treatment system which discharged treated wastewater to an on-site pond and for which sludge disposal practices are unknown.
- The existence of plating/finishing operations on-site since 1954 which has utilized hazardous chemicals including cyanides and metals. The concrete drain system present in the plating area has reportedly never been investigated for integrity.
- The reported historic disposal of sludge generated from the plating/finishing operations in an area described as being located in the vicinity of Interstate 390 adjacent to the south side of the facility and the uncertainty of whether disposal occurred on current facility property.
- The use of 1,1,1-TCA for degreasing operations for an undetermined period of time ending in 1995 and the uncertainty associated with historic disposal practices associated with degreasing operations.
- Undocumented historical waste disposal practices for hazardous materials used at the facility over its operating life.

ENVIRON did not obtain or review any information during this environmental assessment indicating that there currently is a significant soil and/or ground water contamination problem; however, based on past practices reported to have occurred, ENVIRON believes there is a possibility that significant contamination could exist. Additional information from a field investigation would be required to further evaluate the potential for contamination at this site.

K. Emergency Planning and Community Right-to-Know

The facility is subject to the requirements of the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986, also known as Title III of the Superfund Amendments

and Reauthorization Act (SARA), based on the use and storage of designated chemicals over established threshold quantities. Section 302 (Emergency Planning) requires notification to proper authorities if Extremely Hazardous Substances (EHSs) are stored on-site above Threshold Planning Quantities (TPQs). Ethylene oxide and formaldehyde are designated EHSs, however, according to information provided by Mr. Lesnick, the facility does not store them in quantities (approximately 34 pounds and 4 pounds, respectively) above their respective TPQs. Therefore, assuming the facility does not have other EHSs on-site above TPQs, the facility appears to not be subject to Section 302 requirements.

Sections 311 and 312 of SARA required inventory reporting (generally in the form of a Tier II submission to the state and to designated local authorities) of hazardous materials stored in excess of threshold quantities, typically 500 pounds for an EHS and 10,000 pounds for a hazardous substance as defined by EPCRA. Mr. Lesnick tracks usage of materials used at the facility and files Tier II forms, as necessary. For the calendar year 1995, Mr. Lesnick submitted Tier II forms for hydrochloric acid, nitric acid, and sulfuric acid.

Section 313 requires submission of Toxic Chemical Release Inventory Forms (Form Rs) to USEPA and state environmental agencies for listed toxic chemicals manufactured or processed in excess of 25,000 pounds per year, or used in excess of 10,000 pounds per year. As with the Tier II submissions, Mr. Lesnick tracks the usage of toxic chemicals. For the calendar year 1994 (1995 reporting is not due until July 1, 1996), the facility filed Form Rs for manganese, chromium, and nickel, which are all constituents of the metals used for product manufacturing.

L. Occupation Safety and Health

Although a comprehensive review of occupational health issues was beyond the scope of ENVIRON's assessment, a brief review of current operations was conducted to determine whether any major areas of concern were evident. Mr. Lesnick reported that the facility human resources department has responsibility for health and safety concerns. ENVIRON did not interview any human resources personnel, but obtained information from Mr. Lesnick.

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The facility does have a written hazard communication plan and facility personnel reportedly receive hazard communication training and updates. Training records are maintained on-site by the human resources department. Material Safety Data Sheets (MSDSs) are compiled and kept in locations accessible to all employees. The facility reportedly has written training plans covering forklift training, respiratory protection training, lockout/tagout training, and bloodborne pathogen training. All personnel requiring such training receive it as needed. Mr. Lesnick was not aware of the need for confined space entry training at the facility. Safety equipment and protective clothing are reportedly provided for all employees as needed.

The facility has never conducted employee exposure monitoring for ethylene oxide or for formaldehyde. Employee exposure monitoring for ethylene oxide and formaldehyde is required under OSHA regulations at any facility where employees have the potential to be exposed to these chemicals. Unless the facility can effectively prove that employee exposure is not a possibility, the facility must perform initial exposure monitoring. The initial monitoring results form the basis for deciding whether engineering controls, personal protective equipment, employee training, and medical surveillance are required. The R&D testing areas which use ethylene oxide are equipped with ethylene oxide monitors and alarms designed to sound if ethylene oxide levels reach concentrations of concern. No incidents of employee overexposure to either of the chemicals was reported by Mr. Lesnick. The costs to implement an employee monitoring program would likely be approximately \$10,000, with potential additional costs if the results of the initial monitoring program identify the need for engineering controls, medical surveillance, etc. In addition, potential fines associated with this compliance issue could be significant.

The only air monitoring surveys reported to have been conducted at the facility involved monitoring of welding fumes and ozone in the welding area. A NIOSH survey was performed in 1988 which recommended better capture of welding fumes. To evaluate modifications made to the welding area, a new survey was conducted by the facility's insurance company in 1995. The results of the 1995 survey concluded that employee exposure levels were within current hygienic standards, however, time-weighted average exposures in some instances exceed

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proposed ACGIH threshold limit values (TLVs). To minimize employee exposure to welding fumes, it was suggested the facility continue the use of respirators, welding robots, and ventilation controls.

The facility last received an OSHA inspection in 1987 as a result of an employee fatality that was caused by a piece of equipment falling on the employee. The facility was fined \$500 and according to Mr. Lesnick the investigation was closed and there currently are no outstanding OSHA matters.

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**RESULTS OF LIMITED PHASE II
ENVIRONMENTAL ASSESSMENT OF
SELECTED MDT CORPORATION FACILITIES**

Prepared for

Skadden, Arps, Slate, Meagher & Flom
Washington, DC

On Behalf of
Getinge Industrier AB

Prepared by

ENVIRON Corporation
Princeton, NJ and Arlington, VA

April 1996

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I. INTRODUCTION

ENVIRON International Corporation (a division of APBI Environmental Sciences Group, Inc.) (ENVIRON) was retained by Skadden, Arps, Slate, Meagher & Flom (Skadden) to conduct a limited Phase II environmental assessment of four current facilities of MDT Corporation and its subsidiaries (MDT). The four facilities were identified during an environmental assessment of seven facilities currently operated by MDT as having potentially significant issues associated with present or past storage, handling, or disposal of petroleum products and hazardous substances. Based on the results of the Phase I assessment, a plan was developed to perform a limited Phase II assessment to investigate potential soil and/or ground water contamination at the following sites: MDT Biologic Company in Henrietta, New York; MDT Biologic Company in Mercersburg, Pennsylvania; and two facilities (the "Plant" and the "Annex") operated by MDT Diagnostic Company located in North Charleston, South Carolina.

The purpose of this limited Phase II assessment was to investigate whether soil and/or ground water has been impacted by present or past site activities in identified areas of potential concern to the extent that could result in potentially significant liabilities or compliance costs. In the context of this report, the term "potentially significant" is generally used to describe areas of concern that could reasonably result in liabilities or compliance costs in excess of \$25,000. This limited Phase II assessment was not intended as a comprehensive, site-wide environmental investigation of each site. Rather, due to time and cost constraints, this assessment specifically targeted areas judged to have the highest likelihood of being impacted by present or past site activities. ENVIRON's conclusions about the relative significance of areas of concern are based primarily upon our professional judgment and are meant to provide some guidance in areas of uncertainty.

The purpose of this report is to describe the scope of work performed to complete this assessment and to present the results of the limited Phase II assessment.

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II. SUMMARY OF CONCLUSIONS

ENVIRON performed a limited Phase II environmental assessment of four facilities of the MDT Corporation. ENVIRON's conclusions based on the results of this assessment are summarized in this chapter.

Henrietta, New York

- Soil gas sampling at 12 on-site locations detected a relatively low level of tetrachloroethene (PCE) at one location, while no chlorinated VOCs were detected at the other eleven sampling locations. The one sampling location where PCE was detected in soil gas was in the area where the sand filter beds of the former wastewater treatment system had been located. Methane was detected at 5 of the 12 soil gas sampling locations, but does not appear to represent a significant environmental concern.
- Ground water samples collected at seven locations at the site detected VOCs at two locations that exceeded the New York State Department of Environmental Conservation (NYSDEC) Ambient Water Quality Standards. One ground water sampling location immediately downgradient from the detention pond in the northeast corner of the site, detected trichloroethene (TCE) up to 1,500 $\mu\text{g/L}$ and cis-1,2-dichloroethene (cis-1,2-DCE) at 48 $\mu\text{g/L}$. A second location, near the former wastewater treatment system sand filter beds, contained TCE at up to 16 $\mu\text{g/L}$ and cis-1,2-DCE at 63 $\mu\text{g/L}$. Due to the limited scope of the sampling conducted and the lack of site-specific information on ground water flow directions, the likely sources, extent and potential for migration of the detected VOCs are not certain. Additional site investigation activities are necessary to further evaluate the potential environmental issues associated with ground water at this site.
- The results of three soil samples did not detect any VOCs at levels above NYSDEC soil criteria. Due to the uncertainty about the source or sources of contamination,

additional source area investigations may be necessary once more detailed information on ground water flow directions and ground water quality are available.

III. HENRIETTA, NEW YORK

A. Introduction

MDT Biologic Company currently owns and operates a manufacturing facility at 1777 East Henrietta Road, Henrietta, New York ("the facility"). The results of a Phase I environmental assessment of the facility recently conducted by ENVIRON, identified areas of potential environmental concern related to the current and/or past operations at the facility. As a follow-up to the Phase I assessment, ENVIRON conducted a Phase II assessment between April 4 and 6, 1996. The Phase II assessment included soil gas, soil, and ground water sampling to evaluate the impact to soil and ground water at 12 on-site locations. Sampling locations were biased towards the area north and east of the facility, and downgradient of metal plating operations, the hazardous waste storage area, and the former wastewater treatment system. This chapter presents the results of ENVIRON's Phase II investigation. The following sections provide a description of the facility, areas of potential environmental concern, a description of the sampling activities conducted, and the analytical results and conclusions developed, based on those results.

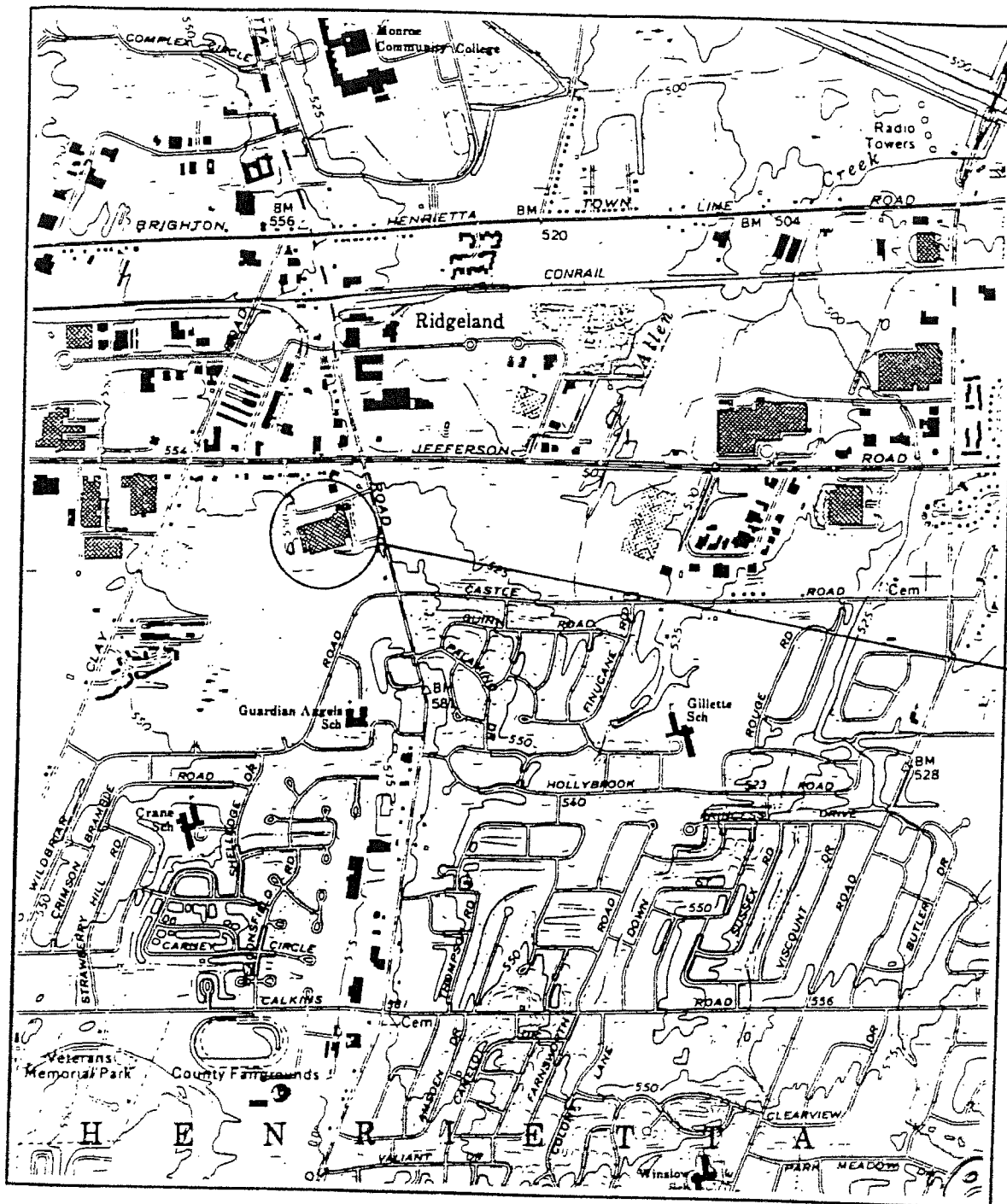
B. Site Description

1. Site Setting

The facility is located in a mainly commercial area of Henrietta, New York. Figure III-1 is a site location map showing the general facility location. Interstate 390 bounds the south side of the facility, with a mainly residential area located south of the interstate. East Henrietta Road bounds the east side of the facility and adjacent to the north side are a number of commercial establishments lining Jefferson Road, including a nursery, a software distribution company, a muffler shop, an automotive oil change shop, and restaurants.

The facility consists of two buildings situated on approximately 33 acres of land. The main building contains office space, and production and manufacturing operations. The smaller research and development building contains office space, product testing and laboratory areas. The majority of the area to the north, east, and south of the

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0 2000 4000
Scale in Feet

SCALE: 1 INCH = 2,000 FEET
CONTOUR INTERVAL: 5 FEET

SOURCE: USGS PITTSFORD, NY TOPOGRAPHIC QUADRANGLE, 7.5 MINUTE SERIES, 1971. PHOTOREVISED 1978.

ENVIRON

FACILITY LOCATION MAP

MDT BIOLOGIC COMPANY

1777 E. HENRIETTA ROAD - HENRIETTA, NY

FIGURE

III-1

DRAFTED BY: KP/JT

DATE: 4/17/96

5090AJ02

main building is paved with asphalt parking lots and roadways. A detention pond is located on the northeast corner of the property. A large section of the remainder of the property located to the west side of the facility buildings is undeveloped. This area reportedly received soil excavated during the construction of Interstate 390.

The buildings at the facility sit atop a flat area that slopes down to the north, east, and south. The undeveloped area to the west of the buildings sits at a higher elevation than the rest of the site.

2. Site History and Operations

The MDT facility in Henrietta, New York currently fabricates, assembles, and tests medical products including sterilizer units; sanijet washers; rinser dryers; and stools, intravenous stands, and other similar items. The facility also operates a biological laboratory in which bacteria are harvested and impregnated onto strips that are used to test the effectiveness of sterilizer units. The site has been used for manufacturing operations since 1954. Prior to manufacturing operations, the site was used as an airport. Available information indicates that farming or agricultural activities likely took place prior to the construction of the airport.

The original facility was constructed in 1954 by Wilmot Castle Company for the manufacture of sheet metal specialty products. Since 1954 it has been enlarged by construction additions at various times during its operational history and has been owned by two separate corporations. MDT purchased the property and the facility in 1987 and has continued operations to the present time.

Various chemicals have been used on-site in the manufacturing operations. 1,1,1-Trichloroethane (TCA) was used on-site for degreasing operations for an undetermined period of time, ending in July 1995 when an aboveground vapor degreasing tank located in the plating department was reportedly removed from service and from the site. Historical use of other degreasing solvents dating back to the mid-1950s is not known.

C. Surface Drainage, Regional Hydrogeology and Geology

Surface drainage from a majority of the site is directed to the detention pond on the northeast corner of the property. A series of swales, storm water collection drains, and underground drainage conduits situated around the outdoor areas of the facility collect storm water and convey it to the pond. From the pond, drainage is reportedly discharged underneath East Henrietta Road and Jefferson Road to what appears to be an intermittent tributary of Allen Creek. Allen Creek eventually discharges into the Erie Canal, which is approximately 1.25 mile northeast of the facility. Drainage from the undeveloped part of the site most likely

either infiltrates into the ground or runs off onto adjacent areas. A smaller pond was formerly present off the south side of the main building. This former pond may have been used to collect storm water from the south side of the site. Currently, a swale collects storm water from the south side of the site and conveys it to the detention pond.

Based on a review of regional ground water elevation contours for the general area in which the facility is located, the direction of ground water flow in the vicinity of the facility is generally towards the northeast. As noted during the Phase II investigation, depth-to-ground water at the facility is approximately 19 to 26 feet below ground surface.

The upper geologic unit (overburden) at the facility consists of glacial till which extends from the ground to approximately 50 to 100 feet below ground surface. As noted during the Phase II investigation, from 0 to 5 feet below ground surface the glacial till is made up of silty clay with angular gravel- and boulder-sized rock fragments. Bedrock underlies the till. The top of bedrock in the area of the facility is estimated to be approximately 75 feet below ground surface.

D. Areas of Potential Environmental Concern

During the Phase I assessment of the facility, ENVIRON identified several areas of potential concern related to soil and/or ground water contamination at the facility. The objectives of the Phase II investigation were to investigate four main areas of potential environmental concern:

- The former presence and operation of an on-site wastewater treatment system from 1955 to some time in the late 1960s, which discharged treated wastewater to an on-site pond, and for which sludge disposal practices are unknown;
- Current and past degreasing and metal plating/finishing operations on-site since 1954;
- The reported historical disposal of sludge generated from the plating/finishing operations in an area described as being located in the vicinity of Interstate 390 adjacent to the south side of the facility; and
- An outdoor hazardous waste storage facility in an area not having secondary containment.

The wastewater treatment system--which consisted of a pumphouse, a clarigester, two sand beds, a sludge drying bed, and an effluent discharge into a small on-site impoundment--

reportedly treated all wastewater from the facility from the time the facility began operation in 1955 until the time it was hooked to the sanitary sewer in approximately 1960. Based on facility drawings provided by MDT, the sand beds and the sludge drying beds were underlain by soil. Given the existence of degreasing and metal plating operations at the facility since 1955, there is the potential that chlorinated solvents may have been present in the wastewater discharged into the treatment system and that there may be residual soil and/or ground water contamination resulting from that operation.

The current metal plating operation at the facility is reportedly smaller than that operation has been in the past. Until July 1995, a vapor degreaser was operated that reportedly used TCA as the degreasing agent. The degreaser was located in the plating area. Trenches are also present within the plating area. According to MDT, there has been no evaluation of the integrity of the trenches or drains in the plating area. The potential exists that releases of chlorinated solvents or plating solutions may have occurred within the plating room.

Facility personnel have reported that the facility historically disposed of plating/finishing sludge by dumping it at a location that is now covered by Interstate 390. The construction of Interstate 390 is believed to have occurred in the mid-1970s. During the construction, soil from the construction area was excavated and reportedly deposited in the area to the west of the facility buildings (in the western corner of the property). Aerial photographs from 1976 show the apparent increase in height of this western portion of the property. Currently, the western area of the property still sits at a higher elevation than the rest of the site, and is undeveloped.

The facility has an outdoor waste storage area located on the north side of the main building. This area does not have any secondary containment. According to facility plans, this area may have been used for chemical or waste storage since 1955.

E. Description of Phase II Site Investigation

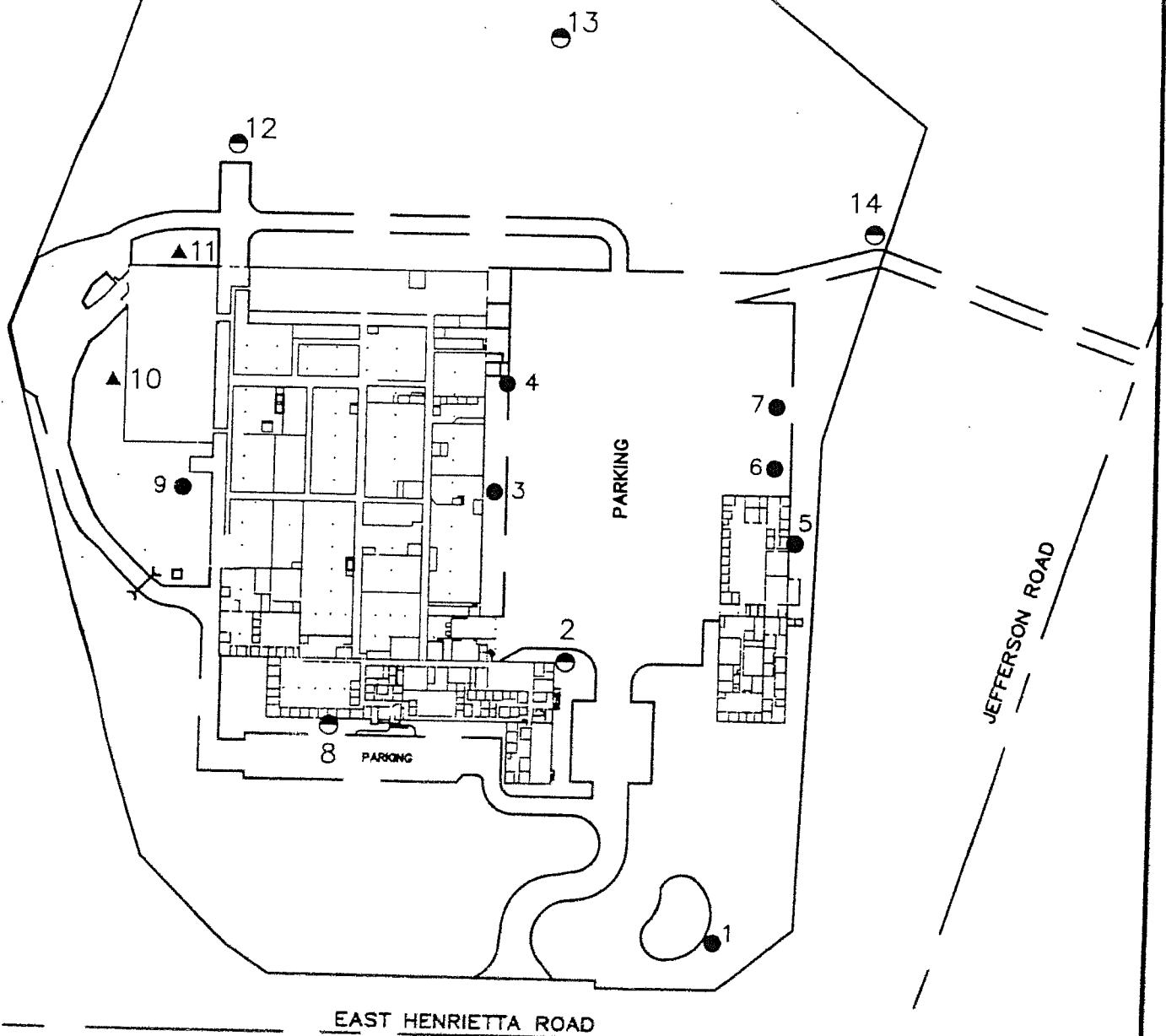
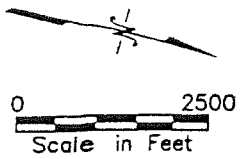
1. Introduction

ENVIRON performed a limited investigation at this site from April 4 through 6, 1996, to evaluate soil and ground water quality. This investigation included the collection and analysis of 13 soil gas samples, 7 ground water samples, and 3 soil samples from 12 on-site locations. The sampling locations were biased toward the potential areas of concern discussed above. The locations are shown on Figure III-2, and the types of samples collected and analyzed at each location are summarized in Table III-1. Originally, a total of 14 sampling locations were proposed for soil gas and ground water sampling. However, the geologic nature of the overburden (glacial boulders within the till

LEGEND

- SOIL GAS AND GROUND WATER SAMPLING LOCATION
- SOIL GAS SAMPLING LOCATION
- ▲ PROPOSED SAMPLING LOCATION, NO SAMPLES COLLECTED

NOTE: SOIL SAMPLES ALSO COLLECTED FROM LOCATIONS 1, 2, AND 7



ENVIRON

DRAFTED BY: MM/SM/JT DATE: 4/17/96

PHASE II SAMPLING LOCATIONS
MDT BIOLOGIC COMPANY
1777 E. HENRIETTA ROAD; HENRIETTA, NY

FIGURE
III-2

TABLE III-1
Summary of Sampling Locations and Analyses Conducted
MDT Biologic Company, Henrietta, NY

Sampling Location	On-Site Mobile Laboratory Analysis			Confirmatory Off-Site Laboratory Analysis	
	Soil Gas	Soil	Ground Water	Soil	Ground Water
1	X	X	X		X
2	X*	X			
3	X		X		X
4	X		X		
5	X		X		
6	X		X		X
7	X		X	X	X
8	X				
9	X		X		
10					
11					
12	X				
13	X				
14	X				

Note:

* - Two soil gas samples were collected from 6 feet and 13 feet below ground surface.

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which made it difficult to advance the Geoprobe ground water sampling rod into the ground to the depth of the ground water table) and time constraints on sampling activities precluded the collection of soil gas and ground water samples from all locations.

Soil gas, ground water, and soil samples were collected and analyzed on-site for volatile organic compounds (VOCs), using a mobile laboratory. In addition, selected ground water samples and a soil sample were sent to an off-site laboratory for confirmatory analysis of VOCs. The following sections describe the procedures and methodology for collecting the various samples.

2. Soil Gas Sampling Procedures

ENVIRON collected 13 soil gas samples from 12 locations on-site, as shown on Figure III-2. The samples were collected using a "direct push" (Geoprobe) technique. A 1-inch internal diameter stainless steel vapor sampling probe was advanced to approximately 6 feet below ground surface using a Geoprobe GH-40 rig. The probe was then retracted approximately 6 to 12 inches to expose a section of soil to the vapor sampling port at the bottom of the probe. Dedicated Teflon tubing was connected to the vapor sampling port, and above the ground the tubing was attached to a single-use, TedlarTM sample bag. Soil gas was drawn and collected into the bag by applying a vacuum to the bag. After collection, the samples were immediately stored in a refrigerator at 4 degrees C. The soil gas sampling probe was decontaminated between sampling locations to prevent cross-contamination of samples.

The soil gas was analyzed for VOCs at the on-site mobile laboratory operated by Environmental Management Associates, Inc. (EMA). The mobile laboratory utilized a laboratory grade gas chromatograph (GC) and a purge and trap methodology similar to USEPA method 601/602, for the analysis of VOCs. The GC was equipped with two columns, a capillary column and a molecular sieve column. VOCs (other than methane) were detected on a photoionization detector (PID) and a dry electrolytic conductivity detector (ELCD or Hall Detector), using the capillary column. Methane was detected on a flame ionization detector (FID), with direct injection onto the molecular sieve column. Table III-2 lists VOCs for which analyses were conducted using the on-site laboratory.

3. Ground Water Sampling Procedures

ENVIRON collected seven ground water samples at seven locations on-site, as shown in Figure III-2. The samples were collected using a "direct push" (Geoprobe) technique. Because of the presence of glacial boulders in the overburden, it was necessary to pre-probe at each location before installing the ground water sampling rod. First, a heavy-

duty steel rod was driven into the ground and removed in order to create a temporary borehole. Then a slightly larger diameter, thin-walled ground water sampling rod, having inlets for water in the bottom 4 feet of rod, was driven into the pre-probed borehole. At each sampling location it was necessary to make two or three attempts to drive the rods past any potential boulders and cobbles and to a sufficient depth to intersect the ground water table. The difficulties encountered by the geologic nature of the overburden permitted ground water samples to be collected from only seven locations during the Phase II investigation. All heavy-duty and ground water sampling rods were decontaminated between sampling locations to prevent cross-contamination of samples.

Ground water was collected using 3-foot long, 1/2-inch diameter disposable Teflon bailers. Samples were contained in pre-preserved vials shipped from Lancaster Laboratories, in Lancaster, Pennsylvania. Immediately after sample collection, the sample vials were placed in a cooler and stored on ice or stored in the refrigerator in the on-site mobile laboratory. The ground water samples from all seven locations were analyzed for VOCs listed in Table III-2 (excluding methane), using the on-site mobile laboratory described above. To conduct the analysis, approximately 5 ml of sample water was placed in a dedicated sparging vessel. The sample water was then sparged with helium gas. The carrier gas and liberated VOCs were then analyzed using the GC.

To confirm the results of the on-site analysis, four ground water samples from locations 1, 3, 6, and 7 were sent to Lancaster Laboratories for VOC analysis using EPA method 8240. The VOC analysis included a library search of up to 25 tentatively identified compounds (TICs).

4. Soil Sampling Procedures

Soil samples were collected at three locations (numbers 1, 2, and 7, as shown on Figure III-2) using the Geoprobe GH-40 rig. To collect the soil, a 2-inch diameter, 4-foot long stainless steel rod, containing an internal disposable acetate sleeve, was driven into the ground to a depth of 4 feet with the Geoprobe system. A soil core was retained in the acetate sleeve when the rod was pulled out of the ground. Each soil core was screened for the presence of VOCs using an organic vapor meter (OVM), and the geologic description of the soil was logged by an ENVIRON geologist. Soil was collected from the 18- to 24-inch depth interval of each core and placed in sample jars. The jars were stored on ice in a cooler, pending analysis.

TABLE III-2
Summary of Compounds Analyzed
Using On-Site Mobile Laboratory
MDT Biologic Company, Henrietta, NY

Compounds
1,1-Dichloroethene
Methylene chloride
trans-1,2-Dichloroethene
1,1-Dichloroethane
Chloroform
1,2-Dichloroethane
1,1,1-Trichloroethane
Benzene
Carbon tetrachloride
1,2-Dichloropropane
Bromodichloromethane
Trichloroethene
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
Toluene
Chlorodibromomethane
Tetrachloroethene
Chlorobenzene
Ethylbenzene
m,p-Xylene
Bromoform
1,1,2,2-Tetrachloroethane
o-Xylene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1,2-Dichlorobenzene
Methane
Note:
Methane was only analyzed in soil gas samples, and not in ground water or soil samples.

Soil samples from locations 1 and 2 were analyzed for VOCs listed in Table III-2 (excluding methane) using the on-site mobile laboratory described above. To analyze the soil, approximately 1 gram of soil was placed in a dedicated sparging vessel and covered with approximately 5 milliliters of water. The sample was then sparged in the same manner as that described above for ground water samples, with the carrier gas and liberated VOCs analyzed using the GC.

The soil sample collected from location 7 was sent off-site to Lancaster Laboratories for VOC analysis using EPA method 8240.

F. Phase II Investigation Results

1. Soil Gas Sampling Results

Results from soil gas sampling are presented in Table III-3. EMA's report of the analyses is provided in Appendix A. As shown in Table III-3, only one soil gas sampling location was found to have detectable VOCs other than methane. Tetrachloroethene (PCE) (1.97 - 2.27 ppmv in duplicate analyses) was detected in the sample collected from location 7, which is in the area of the sand filters of the former wastewater treatment system. VOCs were detected in six samples collected from five unique locations. Methane was detected in samples collected from locations 2 (3.2 ppmv) and 3 (61.1 ppmv), which are downgradient of the main plant and the main sanitary sewer line, and in the sample from location 7 (50.6-61.90 ppmv). Methane (49.5 - 103 ppmv) was also detected in the soil gas at locations 12 and 13, in the area of the soil that was excavated during the construction of Interstate 390.

Although methane was detected in the soil gas from several locations on-site, its presence at low concentrations, especially in the area of the sanitary sewer line, does not appear to represent a significant environmental concern. The presence of PCE at location 7 may be related to the operation of the former wastewater treatment system, and may indicate some impact to soil and/or ground water at this location. A ground water sample collected at this location was found to contain trichloroethene (TCE) and cis-1,2-dichloroethene (cis-1,2-DCE), as discussed below. A soil sample collected at this location from 18 to 24 inches below ground surface was found to contain only a trace level of TCE, below the method detection limit.

TABLE III-3
Summary of Soil Gas Sampling Results
from On-Site Mobile Laboratory Analysis
MDT Biologic Company, Henrietta, NY

Sampling Location ENVIRON Sample ID Sampling Depth Collection Date Comments	1 0101-SG01 6 feet 04/04/96	2 0201-SG01 6 feet 04/04/96	2 0201-SG02 13 feet 04/06/96	3 0301-SG01 6 feet 04/06/96	4 0401-SG01 6 feet 04/04/96	5 0501-SG01 6 feet 04/05/96	6 0601-SG01 6 feet 04/05/96	7 0701-SG01 6 feet 04/05/96
Volatiles Organic Compounds								
Methane	ND	ND	3.20	61.10	ND	ND	ND	50.60
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	1.97

Notes:

All concentrations reported in parts per million per volume (ppmv).
Only those compounds detected in one or more of all soil gas samples are listed.

TABLE III-3 (Continued)
Summary of Soil Gas Sampling Results
from On-Site Mobile Laboratory Analysis
MDT Biologic Company, Henrietta, NY

Sampling Location ENVIRON Sample ID Sampling Depth Collection Date Comments	7 0701-SG02 6 feet 04/05/96 Duplicate	8 0801-SG01 6 feet 04/05/96	9 0901-SG01 6 feet 04/05/96	12 1201-SG01 6 feet 04/06/96	13 1301-SG01 6 feet 04/06/96	14 1401-SG01 6 feet 04/06/96
Volatiles Organic Compounds						
Methane	61.90	ND	ND	103.50	49.50	ND
Tetrachloroethene	2.27	ND	ND	ND	ND	ND

Notes:

All concentrations reported in parts per million per volume (ppmv).
Only those compounds detected in one or more of all soil gas samples are listed.

2. Ground Water Sampling Results

Results for ground water samples analyzed using the on-site mobile laboratory, are presented in Table III-4. As shown in Table III-4, VOCs were detected at locations 1 and 7. Location 1 is downgradient of and adjacent to the detention pond on the northeast corner of the property. The on-site laboratory results detected chloroform (58 $\mu\text{g/L}$) and TCE (930 $\mu\text{g/L}$) at location 1 and TCE (14 $\mu\text{g/L}$) at location 7.

To confirm the results from the on-site laboratory analysis, four samples were sent off-site to Lancaster Laboratories for additional confirmatory analysis, as discussed above. Often, there can be variations between the data produced by a mobile (on-site) and a fixed (off-site) laboratory. The on-site laboratory utilizes a GC, which produces a chromatogram with peaks that represent the presence of various compounds as they elute from the GC column. The peaks are correlated to specific compounds based on the retention time of the peaks compared to the standards for those compounds. The off-site laboratory utilizes both a GC and Mass Spectrometer (MS) for compound determination. The GC-MS allows for more accurate identification and quantitation of compounds. Appendix B presents the laboratory analytical reports for off-site analyses.

Table III-5 presents the results for ground water sampling for samples analyzed off-site, at Lancaster Laboratories. As shown in Table III-5, VOCs, including acetone, TCE, total xylene, and cis-1,2-DCE were detected at locations 1, 3, and 7. At location 1, TCE (1,500 $\mu\text{g/L}$) and cis-1,2-DCE (48 $\mu\text{g/L}$) were detected at concentrations above the New York State Department of Environmental Conservation (NYSDEC) Ambient Water Quality Standards. At location 7, TCE (16 $\mu\text{g/L}$) and cis-1,2-DCE (63 $\mu\text{g/L}$) were also detected above NYSDEC standards. The presence of TCE and cis-1,2-DCE at these concentrations indicates that ground water in the area of the former wastewater treatment system and the detention pond has potentially been affected by present or former site activities. Due to the lack of site-specific ground water flow data, the source of these contaminants and the extent of their distribution at the site are uncertain.

3. Soil Sampling Results

The results from the on-site analysis of soil from locations 1 and 2 are shown in Table III-6. As indicated in Table III-6, no VOCs were detected in these samples. These samples were collected from a shallow depth (18 to 24 inches below ground surface) and the results suggest that there is not shallow subsurface soil contamination at those locations.

TABLE III-4
Summary of Ground Water Sampling Results
from On-Site Mobile Laboratory Analysis
MDT Biologic Company, Henrietta, NY

Sampling Location ENVIRON Sample ID Sampling Depth Collection Date Comment	1 0101-GS01 19 feet 04/06/96	3 0301-GS01 25.5 feet 04/04/96	4 0401-GS01 23 feet 04/04/96	5 0501-GS01 21.5 feet 04/05/96	6 0601-GS01 22 feet 04/05/96	7 0701-GS01 21.5 feet 04/05/96	9 0901-GS01 25 feet 04/05/96
Volatile Organic Compounds							
Chloroform	58.00	ND	ND	ND	ND	ND	ND
Trichloroethene	930.00	ND	ND	ND	ND	14	ND
Notes:	All concentrations reported in µg/L or parts per billion (ppb). Only those compounds detected in one or more of all ground water samples are listed.						

TABLE III-5
Summary of Ground Water Sampling Results
from Off-Site Laboratory Analysis
MDT Biologic Company, Henrietta, NY

Compounds	Sampling Location ENVIRON Sample ID		New York State Ambient Water Quality Standards ¹ (µg/L)	1 5090B-NY- 0101-GW01 19 feet 04/06/96	3 5090B-NY- 0301-GW01 25.5 feet 04/04/96	6 5090B-NY- 0601-GW01 22 feet 04/05/96	7 5090B-NY- 0701-GW01 21.5 feet 04/05/96	Field Blank 5090B-NY- FB01-040696 NA 04/06/96 QA/QC Sample	Trip Blank 5090B-NY- TB01-040696 NA 04/06/96 QA/QC Sample
	Sampling Depth	Collection Date							
Volatile Organic Compounds									
Acetone	50			ND					
Trichloroethene	5			1,500					
Xylene (total)	5			ND	13 J	ND	ND	ND	ND
cis-1,2-Dichloroethene	5			48	ND	ND	16	ND	ND
					3 J	ND	ND	ND	ND
					ND	ND	63	ND	ND
Tentatively Identified Volatile Organic Compounds									
1-Hexanol, 2-ethyl	NA			ND		21 J	ND	ND	ND
Unknown	NA			ND		7 J	ND	ND	ND
Acetic acid, ethyl ester	NA			ND		ND	6 J	ND	ND

Notes:

1 - Water Quality Standards for Class GA fresh ground waters.
 NA - Not Applicable.
 ND - Not Detected.

J - Concentration detected at below method detection limit and reported as estimated value.

All concentrations reported in µg/L or parts per billion (ppb).
 Only those compounds detected in one or more of all ground water samples are listed.

TABLE III-6 Summary of Soil Sampling Results from On-Site Mobile Laboratory Analysis MDT Biologic Company, Henrietta, NY		
Sampling Location ENVIRON Sample ID Sampling Depth Collection Date Comments	1 0101-SS01 18-24 inches 04/04/96	2 0201-SS01 18-24 inches 04/04/96
Volatile Organic Compounds	ND	ND

Because of the presence of VOCs in the soil gas and ground water sample collected from location 7 and analyzed at the on-site mobile laboratory, one soil sample from location 7 was analyzed off-site at Lancaster Laboratories. The results from the off-site analysis of this sample are shown in Table III-7. As indicated in Table III-7, although trace levels of TCE and acetone were detected in that sample, no compounds were detected at concentrations above the New York State Recommended Soil Cleanup Objectives.

G. Conclusions

The results of the soil gas, soil, and ground water sampling at the MDT facility in Henrietta, New York indicated the following:

- Soil gas sampling at 12 on-site locations detected a relatively low level of PCE at one location, while no chlorinated VOCs were detected at the other 11 sampling locations. The one sampling location where PCE was detected in soil gas was in the area where the sand filter beds of the former wastewater treatment system had been located. Methane was detected at 5 of the 12 soil gas sampling locations, but does not appear to represent a significant environmental concern.
- Ground water samples collected at seven locations at the site detected VOCs at two locations that exceeded the NYSDEC Ambient Water Quality Standards. At one ground water sampling location immediately downgradient from the detention pond in the northeast corner of the site, TCE was detected at a concentration of 1,500 $\mu\text{g/L}$ and cis-1,2-DCE was detected at 48 $\mu\text{g/L}$. At a second location, near the former wastewater treatment system sand filter beds, TCE was detected at 16 $\mu\text{g/L}$ and cis-1,2-DCE at 63 $\mu\text{g/L}$. Due to the limited scope of the sampling conducted and the lack of site-specific information on ground water flow directions, the likely sources, extent and potential for migration of the detected VOCs are not certain. Additional site investigation activities are necessary to further evaluate the potential environmental issues associated with ground water at this site.
- The results of three soil samples did not detect any VOCs at levels above NYSDEC soil criteria. Due to the uncertainty about the source or sources of contamination, additional source area investigations may be necessary, once more detailed information on ground water flow directions and ground water quality are available.

TABLE III-7
Summary of Soil Sampling Results
from Off-Site Laboratory Analysis
MDT Biologic Company, Henrietta, NY

Sampling Location ENVIRON Sample ID Sampling Depth Collection Date Comments		7 5090B-NY-0701-SB01 18-24 inches 04/05/96
Compounds	New York State Recommended Soil Cleanup Objectives (µg/kg or ppb)	21 2 J
Volatile Organic Compounds		
Acetone	200	
Trichloroethene	700	
Notes: All concentrations reported in µg/kg or parts per billion (ppb). J - Concentration detected at below method detection limit and reported as estimated value. Only those compounds detected in the soil sample are listed.		

APPENDIX B

Lancaster Laboratories Analytical Reports, Henrietta, NY

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib > 5 um/ml	fibers greater than 5 microns in length per ml

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TIC's only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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LLI Sample No. SW 2490298

Collected: 4/ 5/96 at 18:30 by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

50908-NY-0701-SB01 Soil Sample

Skadden Arps - MDT-NY 02-50908

701SB SDG#: MDT03-07

Account No: 07546
 ENVIRON Corporation - NJ
 214 Carnegie Center, Suite 200
 Princeton NJ 08540

P.O. 02-50908
 Rel.

AS RECEIVED

DRY WEIGHT

CAT NO.	ANALYSIS NAME	AS RECEIVED		DRY WEIGHT	
		RESULTS	LIMIT OF QUANTITATION	RESULTS	LIMIT OF QUANTITATION
4593	TCL Volatiles by 8240				See Page 2
2111	Moisture	0.5	0.5	% by wt.	

"Moisture" represents the loss in weight of the sample after drying with an infrared lamp at 150 degrees Celsius.

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ATTN: Mr. Arthur Bozza

Questions? Contact your Client Services Representative
 Katherine A. Klinefelter at (717) 656-2300
 05:44:10 D 0002 1 125557.510893
 963 40.00 00052450 ASR000

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Respectfully Submitted
 Michele McClarin, B.A.
 Group Leader, GC/MS Volatiles



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 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax 717-656-2681



LLI Sample No. SW 2490298

Collected: 4/ 5/96 at 18:30 by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

5090B-NY-0701-SB01 Soil Sample

Skadden Arps - MDT-NY 02-5090B

701SB SDG#: MDT03-07

Account No: 07546
 ENVIRON Corporation - NJ
 214 Carnegie Center, Suite 200
 Princeton NJ 08540

P.O. 02-5090B
 Rel.

		AS RECEIVED			DRY WEIGHT		
CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS	RESULTS	LIMIT OF QUANTITATION	
TCL Volatiles by 8240							
3434	Chloromethane	N.D.	5.	ug/kg	N.D.	5.	
3435	Bromomethane	N.D.	5.	ug/kg	N.D.	5.	
3436	Vinyl Chloride	N.D.	5.	ug/kg	N.D.	5.	
3437	Chloroethane	N.D.	5.	ug/kg	N.D.	5.	
3440	Methylene Chloride	N.D.	5.	ug/kg	N.D.	5.	
4074	Acetone	21.	20.	ug/kg	23.	22.	
4076	Carbon Disulfide	N.D.	5.	ug/kg	N.D.	5.	
1180	1,1-Dichloroethene	N.D.	5.	ug/kg	N.D.	5.	
3442	1,1-Dichloroethane	N.D.	5.	ug/kg	N.D.	5.	
3444	Chloroform	N.D.	5.	ug/kg	N.D.	5.	
3445	1,2-Dichloroethane	N.D.	5.	ug/kg	N.D.	5.	
4085	2-Butanone	N.D.	10.	ug/kg	N.D.	11.	
3446	1,1,1-Trichloroethane	N.D.	5.	ug/kg	N.D.	5.	
3447	Carbon Tetrachloride	N.D.	5.	ug/kg	N.D.	5.	
4091	Vinyl Acetate	N.D.	10.	ug/kg	N.D.	11.	
3448	Bromodichloromethane	N.D.	5.	ug/kg	N.D.	5.	
3450	1,2-Dichloropropane	N.D.	5.	ug/kg	N.D.	5.	
3454	cis-1,3-Dichloropropene	N.D.	5.	ug/kg	N.D.	5.	
1181	Trichloroethene	2.	5.	ug/kg	2.	5.	
3452	Dibromochloromethane	N.D.	5.	ug/kg	N.D.	5.	
3453	1,1,2-Trichloroethane	N.D.	5.	ug/kg	N.D.	5.	
1182	Benzene	N.D.	5.	ug/kg	N.D.	5.	
3451	trans-1,3-Dichloropropene	N.D.	5.	ug/kg	N.D.	5.	
3456	Bromoform	N.D.	5.	ug/kg	N.D.	5.	
4108	4-Methyl-2-pentanone	N.D.	10.	ug/kg	N.D.	11.	
4107	2-Hexanone	N.D.	10.	ug/kg	N.D.	11.	
3457	Tetrachloroethene	N.D.	5.	ug/kg	N.D.	5.	
3449	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/kg	N.D.	5.	
1183	Toluene	N.D.	5.	ug/kg	N.D.	5.	
1184	Chlorobenzene	N.D.	5.	ug/kg	N.D.	5.	
3458	Ethylbenzene	N.D.	5.	ug/kg	N.D.	5.	
4117	Styrene	N.D.	5.	ug/kg	N.D.	5.	
3355	Xylene (total)	N.D.	5.	ug/kg	N.D.	5.	
6187	trans-1,2-Dichloroethene	N.D.	5.	ug/kg	N.D.	5.	
6277	cis-1,2-Dichloroethene	N.D.	5.	ug/kg	N.D.	5.	

Questions? Contact your Client Services Representative
 Katherine A. Klinefelter at (717) 656-2300

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Respectfully Submitted
 Michele McClarin, B.A.
 Group Leader, GC/MS Volatiles



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See reverse side for explanation of symbols and abbreviations

2216 Rev 10/30/95



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Page: 3 of 3

LLI Sample No. SW 2490298

Collected: 04/05/96 at 18:30 by CC

Submitted: 04/08/96

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

5090B-NY-0701-SB01 Soil Sample

Skadden Arps - MDT-NY 02-5090B
701SB SDG#: MDT03-07

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS TRIAL	DATE AND TIME	ANALYST
4593	TCL Volatiles by 8240	SW-846 8240B	1	04/10/96 1800	Trent S. Sprenkle
2111	Moisture	EPA 160.3 modified	1	04/11/96 0111	Lee L. Munro

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LLI Sample No. WW 2489966

Collected: 4/ 4/96 at 13:30 by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

5090B-NY-0301-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B

0301- SDG#: MDT03-01

Account No: 07546
 ENVIRON Corporation - NJ
 214 Carnegie Center, Suite 200
 Princeton NJ 08540

P.O. 02-5090B
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CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
0890	VOA GC/MS Library Search			See Page 3
	The results from the volatile library search are listed on the attached FORM 1E - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.			
4592	TCL Volatiles by 8240 - Water			See Page 2

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ATTN: Mr. Arthur. Bozza

Questions? Contact your Client Services Representative
 Katherine A. Klinefelter at (717) 656-2300
 05:41:41 D 0002 6 125557 510790
 963 40.00 00055000 ASR000

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Page: 2 of 4

LLI Sample No. WW 2489966

Collected: 4/ 4/96 at 13:30 by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

5090B-NY-0301-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B

0301- SDG#: MDT03-01

Account No: 07546
 ENVIRON Corporation - NJ
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 Princeton NJ 08540

P.O. 02-5090B
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AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	13. J	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	N.D.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	3. J	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

Questions? Contact your Client Services Representative
 Katherine A. Klinefelter at (717) 656-2300

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Respectfully Submitted
 Michele McClarin, B.A.
 Group Leader, GC/MS Volatiles



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Page 3 of 4

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0301-

Lab Name: LANCASTER LABS Contract: _____
Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 2489966
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >DA930
Level: (low/med) LOW Date Received: 04/08/96
% Moisture: not dec. Date Analyzed: 04/10/96
Column: (pack/cap) CAP Dilution Factor: 1.0
Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 104767	1-Hexanol, 2-ethyl-	19.91	96.	J
2.				
3.				
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23.				
24.				
25.				

FORM I VOA-TIC

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PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles

See reverse side for explanation of symbols and abbreviations

2216 Rev 10/30/95



LLI Sample No. WW 2489966

Collected: 04/04/96 at 13:30 by CC

Submitted: 04/08/96

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

5090B-NY-0301-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B

0301- SDG#: MDT03-01

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/10/96 0806	David P. Chandler, Jr.

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2216 Rev 10/30/95



LLI Sample No. WW 2489967

Collected: 4/ 5/96 at 17:45 by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

5090B-NY-0601-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B
0601- SDG#: MDT03-02

Account No: 07546
 ENVIRON Corporation - NJ
 214 Carnegie Center, Suite 200
 Princeton NJ 08540

P.O. 02-5090B
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CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
0890	VOA GC/MS Library Search			See Page 3
	The results from the volatile library search are listed on the attached FORM 1E - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.			
4592	TCL Volatiles by 8240 - Water			See Page 2

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 05:41:57 D 0002 6 125557 510790
 963 0.00 00051000 ASR000

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Respectfully Submitted
 Michele McClarin, B.A.
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LLI Sample No. WW 2489967

Collected: 4/ 5/96 at 17:45 by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

5090B-NY-0601-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B

0601- SDG#: MDT03-02

Account No: 07546
 ENVIRON Corporation - NJ
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 Princeton NJ 08540

P.O. 02-5090B

Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	N.D.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

Questions? Contact your Client Services Representative
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Respectfully Submitted
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2216 Rev 10/30/95



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Page 3 of 4

IE

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

0601-

Lab Name: LANCASTER LABS Contract: _____
 Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 2489967
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >DA931
 Level: (low/med) LOW Date Received: 04/08/96
 % Moisture: not dec. Date Analyzed: 04/10/96
 Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 104767	1-Hexanol, 2-ethyl-	19.93	21.	J
2.	Unknown	21.35	7.	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				

FORM I VOA-TIC

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles

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2216 Rev 10/30/95



Lancaster Laboratories
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LABORATORY CHRONICLE

Page: 4 of 4

LLI Sample No. WW 2489967

Collected: 04/05/96 at 17:45 by CC

Submitted: 04/08/96

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

5090B-NY-0601-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B
0601- SDG#: MDT03-02

CAT

NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/10/96 0912	Barbara B. Weaver

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2216 Rev. 10/30/95



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Page: 1 of 4

LLI Sample No. WW 2489968

Collected: 4/ 5/96 at 20:30 by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

5090B-NY-0701-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B
0701- SDG#: MDT03-03

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

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CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
0890	VOA GC/MS Library Search			See Page 3
	The results from the volatile library search are listed on the attached FORM 1E - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.			
4592	TCL Volatiles by 8240 - Water			See Page 2

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Katherine A. Klinefelter at (717) 656-2300
05:42:16 D 0002 6 125557 510790
963 0.00 00051000 ASR000

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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Page: 2 of 4

LLI Sample No. WW 2489968

Collected: 4/ 5/96 at 20:30 by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

50908-NY-0701-GW01 Water Sample

Skadden Arps - MDT-NY 02-50908

0701- SDG#: MDT03-03

Account No: 07546

ENVIRON Corporation - NJ

214 Carnegie Center, Suite 200

Princeton NJ 08540

P.O. 02-50908

Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	16	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	63	5.	ug/l

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300

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Respectfully Submitted
Michèle McClarin, B.A.
Group Leader, GC/MS Volatiles



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

See reverse side for explanation of symbols and abbreviations

2216 Rev 10/30/95



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A Thermo Analytical Laboratory

Page 3 of 4

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

0701-

Lab Name: LANCASTER LABS

Contract: _____

Lab Code: LANCAS

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 2489968

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: >DA932

Level: (low/med) LOW

Date Received: 04/08/96

% Moisture: not dec.

Date Analyzed: 04/10/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 141786	Acetic acid, ethyl ester	9.93	6.	J
2.				
3.				
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24.				
25.				

FORM I VOA-TIC

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PO Box 12425
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717-656-2300 Fax: 717-656-2681

Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles

See reverse side for explanation of symbols and abbreviations

2215 Rev 10/30/95



LLI Sample No. WW 2489968

Collected: 04/05/96 at 20:30 by CC

Submitted: 04/08/96

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

5090B-NY-0701-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B
0701- SDG#: MDT03-03

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/10/96 0949	Barbara B. Weaver

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Page: 1 of 4

LLI Sample No. WW 2489969
Collected:

Submitted: 4/8/96 Reported: 4/12/96
Discard: 4/27/96

5090B-NY-TB01-040696 Water Sample

Skadden Arps - MDT-NY 02-5090B
TB406 SDG#: MDT03-04TB

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090B
Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
0890	VOA GC/MS Library Search	The results from the volatile library search are listed on the attached FORM 1E - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.		See Page 3
4592	TCL Volatiles by 8240 - Water			See Page 2

1 COPY TO ENVIRON Corporation - NJ
1 COPY TO Data Package Group

ATTN: Mr. Arthur Bozza

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300
05:42:37 D 0002 6 125557 510790
963 0.00 00051000 ASR000

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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Page: 2 of 4

LLI Sample No. WW 2489969
Collected:

Submitted: 4/ 8/96 Reported: 4/12/96
Discard: 4/27/96

5090B-NY-TB01-040696 Water Sample

Skadden Arps - MDT-NY 02-5090B
TB406 SDG#: MDT03-04TB

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090B
Rel.

		AS RECEIVED		
CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	N.D.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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717-656-2300 Fax: 717-656-2681

* See reverse side for explanation of symbols and abbreviations.

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Page 3 of 4

IE

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TB406

Lab Name: LANCASTER LABS

Contract: _____

Lab Code: LANCAS

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 2489969

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: >DA933

Level: (low/med) LOW

Date Received: 04/08/96

% Moisture: not dec. _____

Date Analyzed: 04/10/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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25.				

FORM I VOA-TIC

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Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles

See reverse side for explanation of symbols and abbreviations

2216 Rev 10/30/95



LLI Sample No. WW 2489969
Collected:

Submitted: 04/08/96

5090B-NY-TB01-040696 Water Sample

Skadden Arps - MDT-NY 02-5090B
TB406 SDG#: MDT03-04TB

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

CAT	ANALYSIS NAME	METHOD	ANALYSIS	ANALYST
NO			TRIAL DATE AND TIME	
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1 04/10/96 1031	Barbara B. Weaver

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2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681



LLI Sample No. WW 2489970

Collected: 4/ 6/96 at 07:00 by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

5090B-NY-FB01-040696 Water Sample

Skadden Arps - MDT-NY 02-5090B
FB406 SDG#: MDT03-05FB

Account No: 07546
 ENVIRON Corporation - NJ
 214 Carnegie Center, Suite 200
 Princeton NJ 08540

P.O. 02-5090B
 Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
0890	VOA GC/MS Library Search			See Page 3
	The results from the volatile library search are listed on the attached FORM 1E - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.			
4592	TCL Volatiles by 8240 - Water			See Page 2

1 COPY TO ENVIRON Corporation - NJ
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ATTN: Mr. Arthur Bozza

Questions? Contact your Client Services Representative
 Katherine A. Klinefelter at (717) 656-2300
 05:42:58 D 0002 6 125557 510790
 963 0.00 00051000 ASR000

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Respectfully Submitted
 Michele McClarin, B.A.
 Group Leader, GC/MS Volatiles



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Page: 2 of 4

LLI Sample No. WW 2489970

Collected: 4/ 6/96 at 07:00 by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

5090B-NY-FB01-040696 Water Sample

Skadden Arps - MDT-NY 02-5090B

FB406 SDG#: MDT03-05FB

Account No: 07546

ENVIRON Corporation - NJ

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Princeton NJ 08540

P.O. 02-5090B

Rel.

		AS RECEIVED		
CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	N.D.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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Page 3 of 4

IE

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

FB406

Lab Name: LANCASTER LABS

Contract: _____

Lab Code: LANCAS

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 2489970

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: >DA934

Level: (low/med) LOW

Date Received: 04/08/96

% Moisture: not dec. _____

Date Analyzed: 04/10/96

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
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25.				

FORM I VOA-TIC

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles

See reverse side for explanation of symbols and abbreviations.

2215 Rev 10/30/95



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Page: 4 of 4

LLI Sample No. WW 2489970

Collected: 04/06/96 at 07:00 by CC

Submitted: 04/08/96

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

5090B-NY-FB01-040696 Water Sample

Skadden Arps - MDT-NY 02-5090B
FB406 SDG#: MDT03-05FB

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/10/96 1108	Barbara B. Weaver



Lancaster Laboratories
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PO Box 12425
Lancaster, PA 17605-2425
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Page: 1 of 5

LLI Sample No. WW 2489971

Collected: 4/ 6/96

by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

5090B-NY-0101-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B

0101- SDG#: MDT03-06

Account No: 07546

ENVIRON Corporation - NJ

214 Carnegie Center, Suite 200

Princeton NJ 08540

P.O. 02-5090B

Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
------------	---------------	---------	--------------------------	-------

0890	VOA GC/MS Library Search			See Page 4
	The results from the volatile library search are listed on the attached FORM 1E - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.			

4592	TCL Volatiles by 8240 - Water			See Page 2
------	-------------------------------	--	--	------------

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ATTN: Mr. Arthur Bozza

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300
05:43:19 D 0002 6 125557 510790
963 0.00 00051000 ASR000

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations.

2216 Rev 10/30/95



LLI Sample No. WW 2489971

Collected: 4/ 6/96 by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

5090B-NY-0101-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B

0101- SDG#: MDT03-06

Account No: 07546
 ENVIRON Corporation - NJ
 214 Carnegie Center, Suite 200
 Princeton NJ 08540

P.O. 02-5090B
 Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
------------	---------------	---------	--------------------------	-------

TCL Volatiles by 8240 - Water

1258	Chloromethane	N.D.	10.	ug/l
1257	Bromomethane	N.D.	10.	ug/l
3492	Vinyl Chloride	N.D.	10.	ug/l
3494	Chloroethane	N.D.	10.	ug/l
3497	Methylene Chloride	N.D.	10.	ug/l
3498	Acetone	N.D.	40.	ug/l
3499	Carbon Disulfide	N.D.	10.	ug/l
3500	1,1-Dichloroethene	N.D.	10.	ug/l
3501	1,1-Dichloroethane	N.D.	10.	ug/l
3503	Chloroform	N.D.	10.	ug/l
3504	1,2-Dichloroethane	N.D.	10.	ug/l
0316	2-Butanone	N.D.	20.	ug/l
3505	1,1,1-Trichloroethane	N.D.	10.	ug/l
3506	Carbon Tetrachloride	N.D.	10.	ug/l
3507	Vinyl Acetate	N.D.	20.	ug/l
3508	Bromodichloromethane	N.D.	10.	ug/l
3509	1,2-Dichloropropane	N.D.	10.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	10.	ug/l
3511	Trichloroethene	1,500.	10.	ug/l
3512	Dibromochloromethane	N.D.	10.	ug/l
3513	1,1,2-Trichloroethane	N.D.	10.	ug/l
3515	Benzene	N.D.	10.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	10.	ug/l
3518	Bromoform	N.D.	10.	ug/l
3521	4-Methyl-2-pentanone	N.D.	20.	ug/l
3520	2-Hexanone	N.D.	20.	ug/l
3522	Tetrachloroethene	N.D.	10.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	10.	ug/l
3524	Toluene	N.D.	10.	ug/l
3525	Chlorobenzene	N.D.	10.	ug/l
3526	Ethylbenzene	N.D.	10.	ug/l
3528	Styrene	N.D.	10.	ug/l
3529	Xylene (total)	N.D.	10.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	10.	ug/l
6268	cis-1,2-Dichloroethene	48.	10.	ug/l

Questions? Contact your Client Services Representative
 Katherine A. Klinefelter at (717) 656-2300

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 Information**

Respectfully Submitted
 Michele McClarin, B.A.
 Group Leader, GC/MS Volatiles



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681

See reverse side for explanation of symbols and abbreviations.

2216 Rev 10/30/95



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Page: 3 of 5

LLI Sample No. WW 2489971

Collected: 4/ 6/96 by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

5090B-NY-0101-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B

0101- SDG#: MDT03-06

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090B
Rel.

AS RECEIVED

CAT	NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
-----	-----	---------------	---------	--------------------------	-------

TCL Volatiles by 8240 - Water

The sample for the GC/MS volatile analysis was received with headspace.

Due to the level of trichloroethene, the quantitation limits
for all compounds were raised.

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300

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Respectfully Submitted
Michele McClarin, B.A.
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Page 4 of 5

IE

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0101-

Lab Name: LANCASTER LABS Contract: _____
Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 2489971
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >DAA02
Level: (low/med) LOW Date Received: 04/08/96
% Moisture: not dec. Date Analyzed: 04/10/96
Column: (pack/cap) CAP Dilution Factor: 2.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				

FORM I VOA-TIC

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Group Leader, GC/MS Volatiles

See reverse side for explanation of symbols and abbreviations

2216 Re. 10/30/95





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Page: 5 of 5

LLI Sample No. WW 2489971

Collected: 04/06/96 by CC

Submitted: 04/08/96

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

5090B-NY-0101-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B
0101- SDG#: MDT03-06

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS TRIAL DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1 04/10/96 1734	Lawrence M. Taylor

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Page 1 of 2 Getting Confidential
Information

For LLI use only
Acct. # 7546 Sample # 2489966-71

ENVIRON Corp

Please print. Instructions on reverse side correspond with circled numbers.

Client: (Skadden Arps) Acct. #: _____
Project Name#: 02-5090B PWSID #: _____
Project Manager: P.O. #: _____
Sampler: Caroline Czank Quote #: _____
Name of state where samples were collected: _____

Sample Information			For LLI use only	
Sample ID			FSC:	SCR #:
5090B-NY-0101-SB01	4/4/96 10:30 AM	✓	1	1081853
5090B-NY-0201-SB01	4/4 11:30 AM	✓	1	
5090B-NY-0301-SB01	4/4 1:00 PM	✓	1	
5090B-NY-0401-SB01	4/4 3:00 PM	✓	1	
5090B-NY-0501-SB01	4/5 2:30 PM	✓	1	
5090B-NY-0601-SB01	4/5 3:30 PM	✓	1	
5090B-NY-0701-SB01	4/5 6:30 PM	✓	1	
5090B-NY-0801-SB01	4/5 7:20 AM	✓	1	
5090B-NY-0301-GW01	4/4 1:30 PM	✓	3	
5090B-NY-0401-GW01	4/4 3:15 PM	✓	3	

Turnaround Time Requested (TAT) (please circle):		Relinquished by:		Received by:	
Normal		Caroline Czank		4-2-96 15:45	
Rush		Caroline Czank		4-6-96 12:30	
Date results are needed:		Relinquished by:		Date	
Rush results requested by (please circle):		Relinquished by:		Date	
Phone #:		Relinquished by:		Date	
Fax #:		Relinquished by:		Date	
Data Package Options (please circle if requested)		Relinquished by:		Date	
QC Summary Type VI		Relinquished by:		Date	
Type I (Tier I) GLP		Relinquished by:		Date	
Type II (Tier II) Other		Relinquished by:		Date	
Type III (NJ Red. Del.)		Relinquished by:		Date	
Type IV (CLP)		Relinquished by:		Date	

Data Package Options (please circle if requested)		SDG Complete?	
QC Summary Type VI		Yes No	
Type I (Tier I) GLP		Yes No	
Type II (Tier II) Other		Yes No	
Type III (NJ Red. Del.)		Yes No	
Type IV (CLP)		Yes No	

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume)

Internal Chain of Custody required? Yes No



A Thermo Analytical Laboratory

ENVIRON Corp.

Please print.

ected numbers.

Client: (Skadden Arps)

Acct. #:

Project Name/#: 02-5090B PWSID #:

PWSID #:

Project Manager: _____ P.O.# _____

#P.O.#

Sampler: Caroline Czank Quote #: _____

Quote #:

Name of state where samples were collected: _____

Name of state where samples were collected;

NOVELS

[illegible]

Turnaround Time Requested (TAT) (please circle):	Normal	Rush

Turnaround Time Requested (TAT) (please circle):

Rush TAT is subject to LLI approval and surcharge.)

Date results are needed: _____

Rush results requested by (please circle): Phone Fax

Phone #:

[illegible]

Data Package Options (please circle if requested)

QC Summary	Type VI
------------	---------

Type I (Tier I)	GLP	Site-specific QC requ

Type II (Tier II)	Other	(If yes, indicate QC sample

Type III (NJ Red. Del.)

Type IV (CIP)

type IV (CLT)

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-

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**RESULTS OF PHASE III
ENVIRONMENTAL ASSESSMENT OF
MDT CORPORATION FACILITIES
IN HENRIETTA, NEW YORK AND
NORTH CHARLESTON, SOUTH CAROLINA**

Prepared for

Skadden, Arps, Slate, Meagher & Flom
Washington, DC

On Behalf of
Getinge Industrier AB

Prepared by

ENVIRON Corporation
Princeton, NJ and Arlington, VA

May 1996

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Appendix B:	Laboratory Data Report, Henrietta, NY
Appendix C:	SCDHEC Well Installation Approval Letter
Appendix D:	Monitoring Well Construction Logs, North Charleston, SC
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I. INTRODUCTION

ENVIRON International Corporation (a division of APBI Environmental Sciences Group, Inc.) (ENVIRON) was retained by Skadden, Arps, Slate, Meagher & Flom (Skadden) to conduct a Phase III environmental assessment of two current facilities of MDT Corporation and its subsidiaries (MDT). The two facilities, which are the MDT Corporation facility in Henrietta, New York and the MDT Diagnostic Company "Plant" facility in North Charleston, South Carolina, were identified during a Phase I environmental assessment of seven facilities currently operated by MDT as having potentially significant issues associated with present or past storage, handling, or disposal of petroleum products and hazardous substances. Limited Phase II soil and ground water sampling was conducted at both sites during April 1996, and the results of that sampling identified the presence of volatile organic compounds (VOCs) in ground water at both sites at concentrations above applicable ground water criteria.

Based on the results of the Phase I and Phase II assessments, a plan was developed to perform Phase III assessments to confirm the results of the Phase II investigation and to further investigate the sources, extent, and significance of the identified ground water contamination at the two sites. This Phase III assessment was not intended as a comprehensive, site-wide environmental investigation of each site. Rather, due to time and cost constraints, this assessment specifically focused on the areas of ground water contamination previously detected at each site. ENVIRON's conclusions about the relative significance of areas of concern are based primarily upon our professional judgment and are meant to provide some guidance in areas of uncertainty.

The purpose of this report is to describe the scope of work performed to complete this assessment and to present the results of the Phase III assessment.

02-5090C:WPA1442_1.WPD

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II. SUMMARY OF CONCLUSIONS

ENVIRON performed a limited Phase III environmental assessment of two facilities of the MDT Corporation, located in Henrietta, New York and North Charleston, South Carolina. ENVIRON's conclusions based on the results of this assessment are summarized in this chapter.

Henrietta, New York

- The results of the Phase III investigation included the installation and sampling of seven monitoring wells at the site, and confirmed the preliminary results of the Phase II investigation, which indicated that ground water samples in two areas of the site contained volatile organic compounds (VOCs) that exceeded the New York State Department of Environmental Conservation (NYSDEC) Ambient Water Quality Standards. In the first area, located immediately downgradient from the detention pond in the northeast corner of the site, the Phase II sampling had detected trichloroethene (TCE) at 1,500 $\mu\text{g/L}$ and cis-1,2-dichloroethene (cis-1,2-DCE) at 48 $\mu\text{g/L}$. In the Phase III investigation, MW01 was installed in the same area; a ground water sample from MW01 was found to contain TCE at up to 1,000 $\mu\text{g/L}$ and cis-1,2-DCE at up to 14 $\mu\text{g/L}$. In the second area, near the former wastewater treatment system sand filter beds, the Phase II results had showed TCE at up to 16 $\mu\text{g/L}$ and cis-1,2-DCE at 63 $\mu\text{g/L}$ in a ground water sample. In the Phase III investigation, MW07 was installed in the same area; a ground water sample from MW07 was found to contain TCE at 200 $\mu\text{g/L}$ and cis-1,2-DCE at 560 $\mu\text{g/L}$.
- Ground water samples collected from the other five wells at the site did not contain any VOCs at levels above the NYSDEC Ambient Water Quality Standards, suggesting that the contamination detected in wells MW01 and MW07 is limited in extent on-site.

- The ground water elevation data collected from the seven monitoring wells shows the general direction of ground water flow to be toward the northeast, with some slight variation towards a northward direction in the north-central part of the site. These flow directions indicate the potential for VOCs detected in MW01 and MW07 to migrate off-site, although the relatively low permeability of the glacial material encountered at the site suggests that ground water flow velocity would be relatively slow.
- The ground water flow patterns at the site, together with the ground water sampling results, indicate that the source of the VOCs detected in ground water is most likely on the MDT site. The results of soil sampling conducted at the site have not shown soil contamination at levels above NYSDEC soil criteria. Based on the distribution of VOCs in ground water, the most likely source was historical discharges during the operation of the on-site wastewater treatment system during the 1950s and early 1960s (MW07 is located within the former sand filter beds of the wastewater treatment system and MW01 is immediately adjacent to, and downgradient from, the small impoundment that received the treated effluent from the former treatment system.) Additional investigation would be necessary to further evaluate the sources of the VOCs and to ensure that there are no remaining soils that may be acting as continuing sources of VOCs to the ground water.
- It is uncertain whether active remediation of ground water would be necessary at this site due to the limited nature of the observed on-site contamination, the relatively low permeability of the shallow ground water zone at the site, and the lack of identified significant soil contamination. However, the fact that the two wells that contain VOCs above the applicable criteria are located near the downgradient property boundary suggests that additional investigation would be necessary to fully delineate the extent of ground water contamination associated with the site prior to making a determination of whether active ground water remediation is appropriate or necessary.
- Assuming that additional investigations are needed and active ground water remediation is necessary for hydraulic control of site-related ground water contaminants, ENVIRON has estimated the following potential costs. These costs are ENVIRON's best estimates of potential costs, based on the limited available information at the site and ENVIRON's experience at similar sites. In a reasonable

worst case scenario, costs could be higher than these estimates, and in a best case scenario, costs could be lower than these estimates. The need for additional investigation and/or remediation will likely depend upon the results of further site investigations, legal and/or regulatory requirements, regulatory agency involvement, etc.

- Additional investigation of on-site ground water and potential soil contamination -- \$75,000 to \$150,000. These costs would typically be incurred over multiple phases of site investigation over a period of up to several years.
- Potential off-site ground water investigation -- \$50,000 to \$150,000. These costs would depend greatly on the extent to which potential off-site migration of contamination required investigation. If off-site ground water migration is not significant, then costs could be minimal.
- Design and installation of ground water capture and treatment system -- \$150,000 to \$300,000. These costs assume the installation of several recovery wells in the area of MW01 and MW07, with ground water piped to one treatment system utilizing air stripping and/or carbon filtration at a rate of 5 to 10 gallons per minute (gpm), and treated effluent discharged either to the sanitary sewer system or to surface water under a discharge permit. These costs would not likely be incurred for a period of up to several years until site investigation activities have been completed. Costs could be higher if capture of off-site ground water is necessary or if a larger area of on-site ground water needed to be captured.
- Annual operation and maintenance of ground water recovery system -- \$75,000 to \$100,000. These costs would include the O & M expenses associated with the system, periodic ground water and treatment system monitoring costs, potential discharge permit fees or sewer use fees, reporting costs, etc. A reasonable expected period of operation of the system would be 5 to 10 years.
- Based on the sampling to date, no soil contamination has been detected that would require remediation. The potential exists that future investigations could identify soil contamination that may require remediation. The need for or costs

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associated with potential soil remediation cannot be reliably estimated at this time.

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III. HENRIETTA, NEW YORK

A. Introduction

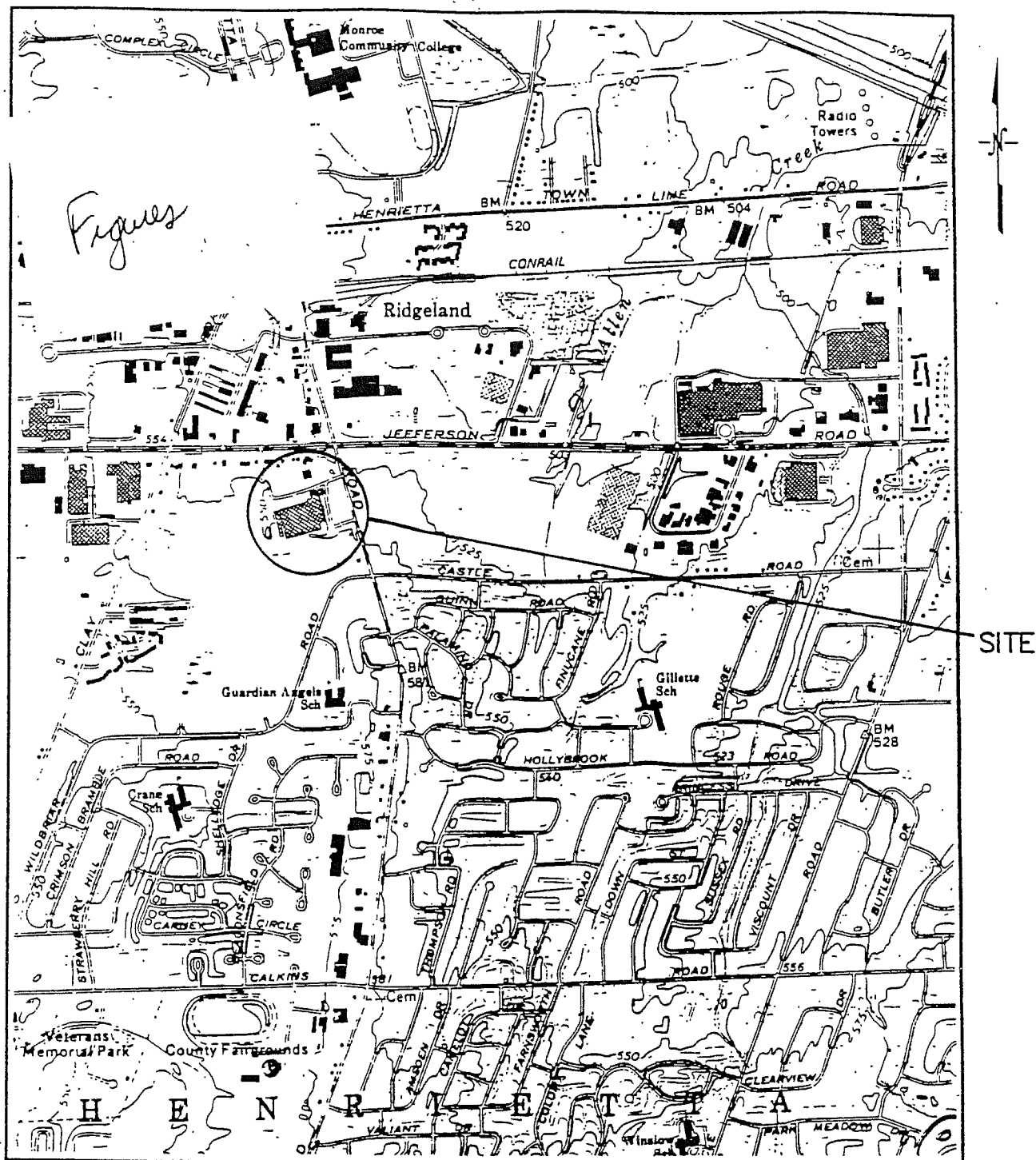
MDT Biologic Company currently owns and operates a manufacturing facility at 1777 East Henrietta Road, Henrietta, New York ("the facility"). The results of a Phase II environmental assessment of the facility recently conducted by ENVIRON identified two locations at the site where VOCs were detected in ground water at concentrations in excess of the New York State Department of Environmental Conservation (NYSDEC) Ambient Water Quality Standards. Due to the limited scope of sampling during Phase II, and the lack of site-specific information on ground water flow directions, the likely sources, extent, and potential for migration of the detected VOCs were not fully determined during Phase II.

ENVIRON conducted a Phase III assessment at the site between April 19 and 29, 1996 to evaluate further the extent and potential for migration of VOCs in ground water at the site. The Phase III assessment included (1) the installation of seven shallow overburden monitoring wells, (2) collection of ground water level measurements to determine the direction of ground water flow across the site, (3) ground water sampling from the seven new wells, and (4) soil sampling at one location where VOCs were identified by field screening with a portable OVM (organic vapor meter). This chapter presents the results of ENVIRON's Phase III investigation. The following sections provide a description of the facility, the well installation and ground water and soil sampling activities conducted, and the analytical results and conclusions developed based on those results.

B. Site Description

1. Site Setting

The facility is located in a mainly commercial area of Henrietta, New York. Figure III-1 is a site location map showing the general facility location. Interstate 390 bounds the south side of the facility, with a mainly residential area located south of the interstate. East Henrietta Road bounds the east side of the facility, and adjacent to the north side are a number of commercial establishments lining Jefferson Road, including a



0 2000 4000
 Scale in Feet

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SCALE: 1 INCH = 2,000 FEET
 CONTOUR INTERVAL: 5 FEET

SOURCE: USGS PITTSFORD, NY TOPOGRAPHIC QUADRANGLE, 7.5 MINUTE SERIES, 1971. PHOTOREVISED 1978.

ENVIRON

DRAFTED BY: KP/HFZ

DATE: 5/10/96

FACILITY LOCATION MAP
 MDT BIOLOGIC COMPANY
 1777 E. HENRIETTA ROAD - HENRIETTA, NY

FIGURE
 III-1

5090AJ02

nursery, a software distribution company, a muffler shop, an automotive oil change shop, and restaurants.

The facility consists of two buildings situated on approximately 33 acres of land. The main building contains office space, and production and manufacturing operations. The smaller research and development (R&D) building contains office space, product testing and laboratory areas. The majority of the area to the north, east, and south of the main building is paved with asphalt parking lots and roadways. A detention pond is located on the northeast corner of the property. A large section of the remainder of the property located to the west side of the facility buildings is undeveloped. This area reportedly received soil excavated during the construction of Interstate 390.

The buildings at the facility sit atop a flat area that slopes down to the north, east, and south. The undeveloped area to the west of the buildings sits at a higher elevation than the rest of the site.

2. Site History and Operations

The MDT facility in Henrietta, New York currently fabricates, assembles, and tests medical products including sterilizer units; sanijet washers; rinser dryers; and stools, intravenous stands, and other similar items. The facility also operates a biological laboratory in which bacteria are harvested and impregnated onto strips that are used to test the effectiveness of sterilizer units. The site has been used for manufacturing operations since 1954. Prior to manufacturing operations, the site was used as an airport. Available information indicates that farming or agricultural activities likely took place prior to the construction of the airport.

The original facility was constructed in 1954 by Wilmot Castle Company for the manufacture of sheet metal specialty products. Since 1954 it has been enlarged by construction additions at various times during its operational history and has been owned by two separate corporations. MDT purchased the property and the facility in 1987 and has continued operations to the present time.

Various chemicals have been used on-site in the manufacturing operations. 1,1,1-Trichloroethane (TCA) was used on-site for degreasing operations for an undetermined period of time, ending in July 1995 when an aboveground vapor degreasing tank located in the plating department was reportedly removed from service and from the site.

Historical use of other degreasing solvents dating back to the mid-1950s is not known.

C. Geology, Hydrogeology and Surface Drainage

The upper geologic unit at the facility consists of glacial till overburden, which extends from ground surface to the top of bedrock. As noted during the Phase III investigation, the till is made up of silty clay with angular fine gravel. At one location, at the northeast corner of the site and downgradient of the detention pond, the till was observed to be 19 feet thick. This location corresponds to one of the lowest topographic elevations on-site, and potentially the location of the thinnest layer of overburden at the site. The full thickness of the till at other locations on-site was not confirmed during Phase III, since bedrock was not encountered during drilling at any of the other locations at the site. At other locations, the till extended to a depth of at least 33 feet below ground surface. Additional information on the geology of the region indicates that the till may extend from ground surface to approximately 50 to 100 feet below ground surface in the area of the site.

Regional ground water flow in the area in which the facility is located is generally toward the northeast. As discussed in more detail in Section F (Subsection 2), there are two main components of flow across the site, and flow generally mimics topography across the site. In the area underlying the main facility building and in the northeast corner of the property, ground water flow is toward the northeast. In the area of the western half of the main parking area (north of the main building), ground water flow is toward the north.

Surface drainage from a majority of the site is directed to the detention pond located in the northeast corner of the property. A series of swales, storm water collection drains, and underground drainage conduits situated around the outside areas of the facility collect storm water and convey it to the pond. From the pond, drainage is reportedly discharged underneath E. Henrietta Road and Jefferson Road to what appears to be an intermittent tributary of Allen Creek. Allen Creek eventually discharges into Erie Canal, which is located approximately one and one-quarter mile northeast of the facility. Drainage from the undeveloped part of the site most likely either infiltrates into the ground or runs off onto adjacent areas.

D. Areas and Issues of Environmental Concern Identified During Phase II

The results of the Phase II investigation conducted between April 4 and 6, 1996 at the site identified two locations at the site where VOCs were present in ground water at concentrations in excess of the NYSDEC Ambient Water Quality Standards. At the first location, immediately downgradient of the detention pond in the northeast corner of the property, TCE was detected at a concentration of 1,500 $\mu\text{g/L}$ and cis-1,2-DCE was detected at 48 $\mu\text{g/L}$. At the second location, in the vicinity of the former wastewater treatment system sand filter beds, TCE was detected at a concentration of 16 $\mu\text{g/L}$ and cis-1,2-DCE was detected at 63 $\mu\text{g/L}$.

Tetrachloroethene (PCE) was also detected in a soil gas sample collected from the location of the wastewater treatment sand filter beds.

During Phase II, ground water samples were not collected from all potential areas of environmental concern at the site. For example, sampling was not performed in the undeveloped area to the west of the main buildings, or in the area immediately downgradient of the metal plating operations (on the exterior of the main building). Ground water sampling at locations other than the wastewater treatment area and detention pond area, where VOCs have been detected, would help delineate further the lateral extent of the impact to ground water quality at the site.

The results of the Phase II investigation also identified the need for more detailed information on the direction of ground water flow across the site. As noted above, recent data have indicated that ground water quality has been impacted at two locations at the site. With more detailed information on the pattern of ground water flow across the site, the likely sources, extent, and potential for migration of the detected VOCs can be evaluated.

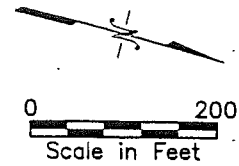
E. Description of Phase III Site Investigation

1. Introduction

ENVIRON conducted a Phase III investigation at the site between April 19 and 29, 1996, to evaluate further the potential environmental issues associated with ground water at the site. This investigation included the following activities:

- Installation of seven shallow overburden monitoring wells;
- Measurement of the depth to ground water in the seven monitoring wells and evaluation of ground water flow across the site;
- Collection and analysis of eight ground water samples from the seven new wells; and
- Collection and analysis of three soil samples from one well location where VOCs were identified in the soil by field screening methods.

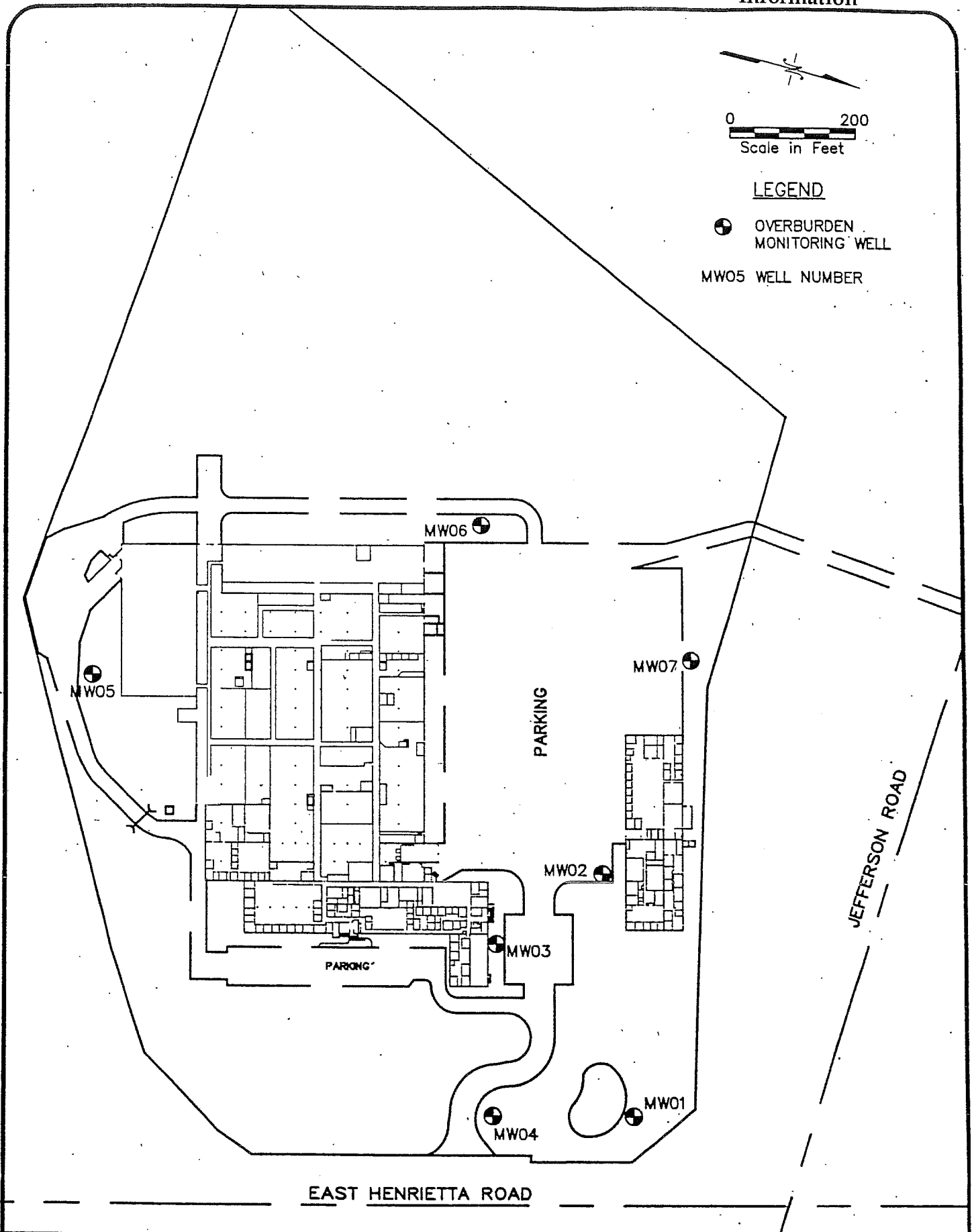
The monitoring well locations were selected based on results of the Phase II investigation, and are shown in Figure III-2. The following sections describe the procedures for installing the wells, and for collecting the various samples and ground water elevation data.



LEGEND

⊕ OVERBURDEN
MONITORING WELL

MW05 WELL NUMBER



ENVIRON

DRAFTED BY: KP/HFZ

DATE: 5/10/96

PHASE III SAMPLING LOCATIONS
MDT BIOLOGIC COMPANY
1777 E. HENRIETTA ROAD; HENRIETTA, NY

FIGURE
III-2

5090CS01

2. Monitoring Well Installation

Seven monitoring wells (MW01-MW07), as shown on Figure III-2, were installed in the overburden zone between April 19 and 25, 1996. The wells were installed by Advanced Drilling, Inc., of New Holland, Pennsylvania, using hollow-stem auger drilling techniques. All drilling activities were supervised by an ENVIRON geologist.

To install the wells, 4.25-inch I.D. hollow-stem augers were used to drill a 6-inch borehole to the desired depth. During drilling, split-spoon samples were collected at 5-foot intervals for lithologic description and VOC screening. Soil sampling procedures are discussed in more detail in Section 6, below. The wells were constructed using 2-inch diameter, Schedule 40 PVC casing and screens. A screened interval of 10 to 15 feet was used and the well screens were placed with the top of the screen section intersecting the top of the water table at the time the well was installed. In some wells, the water level in the well rose after the completion of the well so that the water table was above the top of the screen section. A clean sand pack consisting of No. 2 sand was placed within the annular space between the screen and the borehole wall, from the bottom of the well to approximately 1 to 2 feet above the top of the screen. A 1- to 2-foot thick bentonite seal was added above the sand, and a cement-bentonite grout mixture was added above the bentonite seal to completed the wells to grade. All wells were completed with flush-mount protective covers and locking inner PVC expansion caps. Construction specifications for all wells are presented in Table III-1 and well construction logs are provided in Appendix A.

Soil cuttings generated from the well installation activities were contained in 55-gallon drums and staged on-site adjacent to the R&D building, pending waste characterization sampling and disposal.

3. Well Development

Following well installation, each well was developed using the pump on the hollow-stem auger rig and decontaminated hose. Five of the seven wells pumped dry during development. At wells that pumped dry, development continued in cycles over the course of two days with the well being pumped dry, then allowed to recharge over several hours, then pumped dry again. This procedure continued until 10 well volumes of water were removed, or until the wells had been pumped dry a maximum of four times over the course of the two days. Wells that did not pump dry during development were developed until the water was clear and silt-free and until approximately 10 well volumes were removed.

TABLE III-1
Construction Specifications for Monitoring Wells
MDT Biologic Company, Henrietta, NY

Well Number	Date Installed	Total Depth (feet bgs)	Diameter of PVC Casing (inches)	Screen Length (feet)	Screened Interval (feet bgs)
MW01	April 25, 1996	19.2	2	14	5.2 - 19.2
MW02	April 23, 1996	21.5	2	15	6.5 - 21.5
MW03	April 23, 1996	20.0	2	10	10.0 - 20.0
MW04	April 22, 1996	15.0	2	10	5.0 - 15.0
MW05	April 19, 1996	25.2	2	10	15.2 - 25.2
MW06	April 19, 1996	33.4	2	10	23.4 - 33.4
MW07	April 23, 1996	18.2	2	10	8.2 - 18.2

Note:

bgs - Below ground surface.

Water generated from development activities was contained in 55-gallon drums, which were staged on-site adjacent to the R& D building, pending waste characterization sampling and disposal.

4. Monitoring Well Surveying

The location and elevation of each monitoring well was surveyed on April 26, 1996 by Passero Associates of Rochester, New York, a New York State-licensed land surveyor. The survey information is provided in Table III-2, and includes ground surface elevation, top of PVC casing elevation, and north and east horizontal coordinates.

5. Ground Water Level Measurements

Ground water level measurements were collected using an electronic water level meter. The measurements were collected at various times following installation of each well: prior to well development, after well development and before ground water sampling, and after ground water sampling. The measurements were recorded to the nearest 0.01 foot.

6. Soil Sampling Procedure

Soil samples were collected at each monitoring well location for lithologic characterization and VOC screening. The soil was collected using 2-inch split-spoon samplers advanced at a frequency of one sampler per 5-foot depth interval. This frequency of sampling was employed at all well locations except MW07, since no wells other than MW07 were expected to be at locations where potential surface sources of soil contamination existed. Monitoring well MW07 was located within the area of the former wastewater treatment sand filter bed, a suspected source of soil and/or ground water contamination. At MW07, therefore, split-spoon soil samples were collected continuously to a depth of 16 feet below ground surface.

The soil in each sampler was screened for the presence of VOCs using a portable OVM. The lithology of all soils was then logged by an ENVIRON geologist. The results of the soil screening and lithologic descriptions are included on the well construction logs for each well, in Appendix A. Soil samples were collected for laboratory analysis based on the results of the field screening. The analytical samples were collected in glassware supplied by the laboratory and stored in coolers on ice. The samples were kept on ice and sent off-site to Lancaster Laboratories in Lancaster, Pennsylvania, for VOC analysis using EPA method 8240. Table III-3 lists the soil samples submitted for analysis.

TABLE III-2
Locations and Elevations of Monitoring Wells
MDT Biologic Company, Henrietta, NY

Well Number	Elevations		Horizontal Coordinates	
	Ground	PVC Casing	North	East
MW01	532.39	532.22	1,126,075.06	760,085.02
MW02	546.48	546.24	1,125,900.75	759,774.18
MW03	547.58	547.42	1,125,772.86	759,909.82
MW04	536.44	536.22	1,125,855.01	760,178.38
MW05	552.61	552.42	1,125,021.60	759,696.88
MW06	548.26	548.07	1,125,538.24	759,303.58
MW07	547.04	546.78	1,125,899.30	759,448.81

Notes:

Elevations in feet above mean sea level.

Horizontal Datum: New York State Plane Coordinate System, West Zone Mercator System.

Vertical Datum: National Geodetic Vertical Datum (NGVD) 1929.

TABLE III-3
Summary of Soil Samples Collected for VOC Analysis (EPA Method 8240)
MDT Biologic Company, Henrietta, NY

Sample ID	Sample Location	Sample Depth (feet bgs)	OVN Field Screening Results (ppm)	Date Collected
5090C-NY-MW07-SB01	MW07 Borehole	6.5-7.5	0.6	April 22, 1996
5090C-NY-MW07-SB02	MW07 Borehole	8-10	6	April 22, 1996
5090C-NY-MW07-SB03	MW07 Borehole	12-14	3.4	April 22, 1996
Note: bgs - Below ground surface.				

7. Ground Water Sampling Procedure

Eight ground water samples were collected from the seven wells on April 25 and 26, 1996. Prior to sample collection, each well was purged of at least three well casing volumes of water using a disposable polyethylene bailer and dedicated nylon rope. During purging, the field indicator parameters pH, specific conductivity, and water temperature were measured and recorded, to ensure that the parameter readings had stabilized by the end of purging, indicating that the well was recharging sufficiently with water that was representative of actual aquifer conditions.

Ground water samples were collected with laboratory-cleaned Teflon bailers and dedicated nylon rope. To collect the ground water, a bailer was lowered by hand into the water to the depth of the center of the well screen and then slowly raised to the surface, taking care to minimize agitation and exposure to the atmosphere. All ground water samples were contained in pre-preserved glassware supplied by the laboratory and sample vials were stored in coolers on ice following sample collection. Samples were kept on ice and sent to Lancaster Laboratories for analysis of VOCs, following EPA method 8240. Table III-4 lists the ground water samples submitted for analysis. All ground water generated from purging was combined with the development water stored in 55-gallon drums, pending the results of waste characterization sampling and disposal.

8. Quality Assurance/Quality Control Measures

Sample labels were prepared prior to sampling and affixed to sample containers either before or immediately after sample collection. Strict chain-of-custody procedures were followed in order to provide the necessary documentation of sample possession from the time of collection to the time of analysis.

All down-hole drilling equipment was steam-cleaned prior to drilling at a new location. All soil sampling equipment was also steam-cleaned and wrapped in aluminum foil prior to reuse. Disposable gloves were worn at all times when handling the laboratory-cleaned bailers and/or sample glassware, and a new pair of gloves was worn for each new sample collected.

All decontamination water generated was pumped into 55-gallon drums (along with the development and purge water) and staged on-site pending the results of waste characterization sampling and disposal.

TABLE III-4
Summary of Ground Water Samples Collected
for VOC Analysis (EPA Method 8240)
MDT Biologic Company, Henrietta, NY

Sample ID	Sample Location	Date Collected
5090C-MW01-GW01	MW01	April 26, 1996
5090C-MW01-GW11*	MW01	April 26, 1996
5090C-MW02-GW01	MW02	April 25, 1995
5090C-MW03-GW01	MW03	April 25, 1996
5090C-MW04-GW01	MW04	April 26, 1996
5090C-MW05-GW01	MW05	April 25, 1996
5090C-MW06-GW01	MW06	April 25, 1995
5090C-MW07-GW01	MW07	April 26, 1996
Note:		
* Duplicate Sample		

F. Phase III Investigation Results

1. Well Yield

During the course of the investigation, it was noted that several of the wells could not sustain a continuous yield during the time in which they were pumped for development or purged prior to sampling. For example, monitoring wells MW02, MW03, MW05, MW06, and MW07 could not be developed at a continuous rate (See Appendix A - Well Construction Logs). These wells pumped dry a few minutes after the start of development. Development at these wells proceeded in cycles whereby the wells were pumped dry, then allowed to recharge for several hours, then pumped dry again. MW01 and MW04 were the only two wells that were developed at a continuous rate of 0.6 and 0.7 gpm, respectively, although even these rates would be considered relatively low. The low yield of all the new wells is likely the result of the low permeability of the silty clay formation in which the wells are screened.

2. Ground Water Flow

Ground water elevation data for two rounds of measurements collected on April 24 (and April 25 for MW01) and April 29, 1996, are presented in Table III-5. The April 24 measurements were collected after the wells were installed and prior to development (MW01 was installed on April 25 and the ground water level was measured on this day). The April 29 water level measurements were collected 3 days after all wells had been developed, purged, and sampled.

Data collected on April 24 (and April 25 for MW01), 1996 were used to construct the ground water elevation contours presented in Figure III-3. The April 29 data were not used since MW05 is a slowly-recharging well, and the water level in MW05 on April 29, had not yet recovered to the static level measured prior to the time that any pumping or purging had taken place. Figure III-3 indicates that there are two main components of flow across the site. In the area underlying the main facility building and in the northeast corner of the property, ground water flow is toward the northeast. In the area of the western half of the main parking lot, north of the main building, ground water flow is toward the north. It is likely that flow in the area of the undeveloped western portion of the site is directed toward the north or northeast as well.

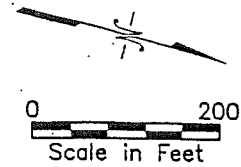
Generally, ground water flow mimics the topography across the site. MW01 is located in the topographically lowest area on-site. East of the R&D building and north of the driveway entrance to the facility, the topography slopes down toward MW01 and

TABLE III-5
Ground Water Elevations in On-Site Wells
MDT Biologic Company, Henrietta, NY

Well Number	Top of PVC Casing Reference Elevation	Ground Surface Reference Elevation ¹	April 24, 1996 ²		April 29, 1996	
			Depth-to-Ground Water (feet bgs)	Ground Water Elevation	Depth-to-Ground Water (feet btoc) ^c	Ground Water Elevation
MW01	532.22	532.39	6.7	525.7	6.86	525.36
MW02	546.24	546.48	5.5	541.0	5.96	540.29
MW03	547.42	547.58	8.2	539.4	8.5	538.92
MW04	536.22	536.44	2.1	534.3	3.6	532.62
MW05	552.42	552.61	4.95	547.7	10.02	542.40
MW06	548.07	548.26	3.7	544.6	3.85	544.22
MW07	546.78	547.04	7.4	539.6	7.34	539.44

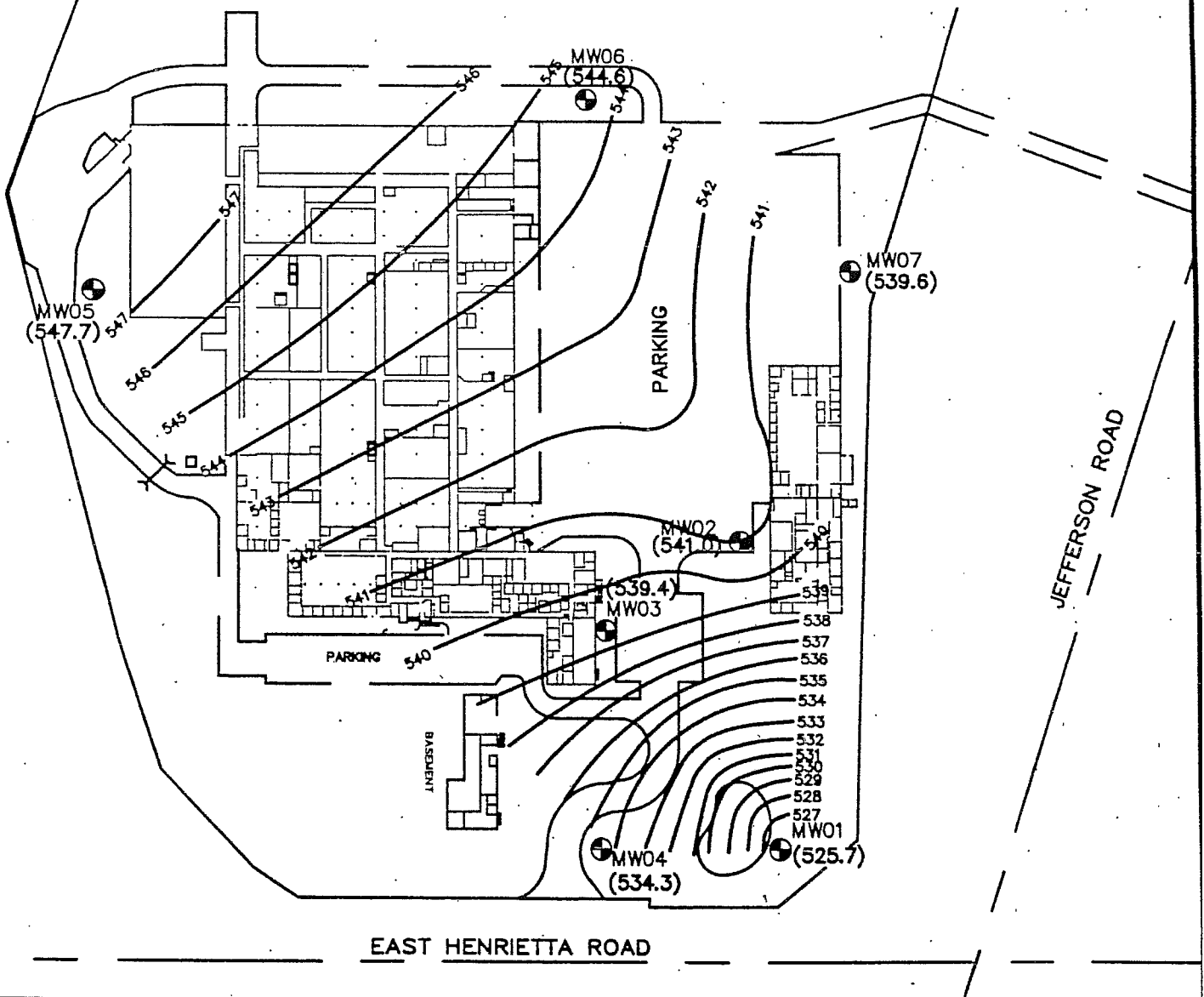
Notes:

- 1 Ground surface used as reference elevation during April 24 water level measurement since PVC casings had not yet been cut to below ground surface and finished as completed wells.
 - 2 Measurements collected following well installation and prior to development at each well. Measurements were collected on April 24 for all wells with the exception of MW01, for which measurements were collected on April 25, 1996 (MW01 was installed on April 25, 1996).
- btoc: Below top of casing.
bgs: Below ground surface
All elevations in feet above mean sea level.



LEGEND

- OVERBURDEN MONITORING WELL
- MW05 WELL NUMBER
- (539.4) GROUND WATER ELEVATION (IN FEET ABOVE MEAN SEA LEVEL)
- GROUND WATER ELEVATION COUNTOUR



ENVIRON

GROUND WATER ELEVATION CONTOURS — APRIL 24, 1996

MDT BIOLOGIC COMPANY

1777 E. HENRIETTA ROAD; HENRIETTA, NY

FIGURE

III-3

DRAFTED BY: TJF/HFZ

DATE: 5/10/96

5090CW1A

toward the northeast corner of the property, and flow in this area is directed toward the northeast. Similarly, MW07 is located at a topographic elevation that is slightly lower than the elevation of the two nearest wells, MW02 and MW06. Flow in this area of the site (the western portion of the main parking lot) is directed north toward MW07.

3. Ground Water Sampling Results

Analytical results for ground water samples collected from the seven new wells are presented in Table III-6. The laboratory analytical reports for these samples are included in Appendix B. As shown in Table III-6, VOCs including acetone, cis-1,2-DCE, trans-1,2-dichloroethene (trans-1,2-DCE), and TCE were detected in the ground water at monitoring wells MW01, MW02, MW05, and MW07. At MW01, cis-1,2-DCE (13 and 14 $\mu\text{g/L}$) and TCE (860 and 1000 $\mu\text{g/L}$) were detected at concentrations above the NYSDEC Ambient Water Quality Standards. At MW07, cis-1,2-DCE (560 $\mu\text{g/L}$) and TCE (200 $\mu\text{g/L}$) were detected above NYSDEC standards. The presence of TCE and cis-1,2-DCE at these concentrations, together with the ground water flow data, confirms the results obtained from the Phase II investigation -- that ground water in the area of the former wastewater treatment system and the detention pond has potentially been affected by present or former site activities.

MW06 is located upgradient of MW07. The absence of VOCs in the ground water from MW06 indicates that ground water quality at MW07 has likely been impacted by activities and operations that took place at the wastewater treatment system in the vicinity of MW07, rather than at a location upgradient of MW07. The absence of VOCs in the ground water from MW06 also indicates that soil from the construction of Interstate 390, placed in the western portion of the property, does not appear to have adversely impacted ground water quality in this area. The absence of VOCs in the ground water from MW03 and MW04 and the trace level of TCE in ground water from MW02 indicate that the VOCs detected at MW01 are not likely related to sources upgradient of MW02, MW03 and MW04. Rather, ground water quality at MW01 has most likely been impacted by site activities and operations associated with the detention pond itself.

4. Soil Sampling Results

Analytical results for soil samples are presented in Table III-7. Only soil samples collected from the MW07 borehole were submitted for analysis since these samples were the only ones in which VOCs were detected by field screening with an OVM. As shown in Table III-7, trace concentrations of VOCs including acetone, TCE, methylene chloride,

TABLE III-6
Summary of Phase III Ground Water Sampling Results ($\mu\text{g/L}$)
MDT Biologic Company, Henrietta, NY

Volatile Organic Compounds	Sampling Location ENVIRON Sample ID	MW01 5090C-NY- MW01-GW01 2501523 04/26/96	MW01 5090C-NY- MW01-GW11 2501524 04/26/96 Duplicate	MW02 5090C-NY- MW02-GW01 2500741 04/25/96	MW03 5090C-NY- MW03-GW01 2500742 04/25/96	MW04 5090C-NY- MW04-GW01 2501521 04/26/96	MW05 5090C-NY- MW05-GW01 2500740 04/25/96
	Laboratory Sample ID Collection Date Comments						
	New York State Ambient Water Quality Standards ¹ ($\mu\text{g/L}$)						
Acetone	50	ND	ND	ND	ND	ND	39
cis-1,2-Dichloroethene	5	13	14	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	860	1,000	2 J	ND	ND	ND

Notes:

1 - Water Quality Standards for Class GA fresh ground waters.

ND - Not Detected.

J - Concentration detected at below method detection limit and reported as estimated value.

- All concentrations reported in $\mu\text{g/L}$ or parts per billion (ppb).

Only those compounds detected in one or more of all ground water samples are listed.

TABLE III-6
Summary of Phase III Ground Water Sampling Results ($\mu\text{g/L}$) (Cont.)
MDT Biologic Company, Henrietta, NY

Volatile Organic Compounds	New York State Ambient Water Quality Standards ¹ ($\mu\text{g/g/L}$)	Sampling Location		MW06 5090C-NY- MW06-GW01 2500739 04/25/96	MW07 5090C-NY- MW07-GW01 2501522 04/26/96	Trip Blank 5090C-NY- TB01-042596 2500745 04/25/96 QA/QC Sample	Trip Blank 5090C-NY- TB02-042696 2501540 04/26/96 QA/QC Sample	Field Blank 5090C-NY- FB01-042596 2500743 04/25/96 QA/QC Sample	Field Blank 5090C-NY- FB02-042596 2500744 04/25/96 QA/QC Sample
		ENVIRON Sample ID	Laboratory Sample ID Collection Date Comments						
Acetone	50								
cis-1,2-Dichloroethene	5			ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5			ND	560	ND	ND	ND	ND
Trichloroethene	5			ND	2 J	ND	ND	ND	ND
				ND	200	ND	I J	ND	ND

Notes:

- 1 - Water Quality Standards for Class GA fresh ground waters.
 ND - Not Detected.
 J - Concentration detected at below method detection limit and reported as estimated value.
 All concentrations reported in $\mu\text{g/L}$ or parts per billion (ppb).
 Only those compounds detected in one or more of all ground water samples are listed.

TABLE III-7
Summary of Phase III Soil Sampling Results ($\mu\text{g}/\text{kg}$)
MDT Biologic Company, Henrietta, NY

Sampling Location ENVIRON Sample ID		MW07 5090C-NY-MW07- SB01	MW07 5090C-NY-MW07- SB02	MW07 5090C-NY-MW07- SB03
Laboratory Sample ID		2499216	2499217	2499218
Sampling Depth		6.5-7.5 feet	8-10 feet	12-14 feet
Collection Date		04/22/96	04/22/96	04/22/96
Comments				
Volatile Organic Compounds		New York State Soil Cleanup Objectives to Protect Ground Water Quality ¹ ($\mu\text{g}/\text{kg}$ or ppb)		
Acetone	110	14 J	10 J	13 J
Trichloroethene	700	12	6	17
Methylene Chloride	100	25	12	5 J
cis-1,2-Dichloroethene	245	11	18	17
Chloroform	300	1 J	ND	ND

Notes:

1 Soil Cleanup Objectives developed for soil organic content of 1%.

J Concentration detected at below method detection limit and reported as estimated value.

All concentrations reported in $\mu\text{g}/\text{kg}$ or parts per billion (ppb).

Only those compounds detected in the soil sample are listed.

cis-1,2-DCE, and chloroform were detected in the soil from MW07. However, none of these compounds were detected at concentrations above the New York State Recommended Soil Cleanup Objectives. As noted in the well construction log for MW07, two of these samples (from the 8 to 10-foot interval and 12 to 14-foot interval) were collected from below the water table, and the third sample (6.5 to 7.5-foot interval) was collected from what is potentially the capillary fringe at this location. Since these samples were collected from saturated or near saturated conditions, it is not certain whether the presence of the VOCs in the samples is attributable to the water within the soil or to the soil itself.

G. Conclusions

The results of the Phase III investigation at the MDT facility in Henrietta, New York indicate the following:

- The results of the Phase III investigation included the installation and sampling of seven monitoring wells at the site, and confirmed the preliminary results of the Phase II investigation, which indicated that ground water sampled from two areas of the site contained VOCs that exceeded the NYSDEC Ambient Water Quality Standards. In the first area, located immediately downgradient from the detention pond in the northeast corner of the site, the Phase II sampling had detected TCE at a concentration of 1,500 $\mu\text{g/L}$ and cis-1,2-DCE at 48 $\mu\text{g/L}$. In the Phase III investigation, MW01 was installed in the same area; and a ground water sample from MW01 was found to contain TCE at concentrations of up to 1,000 $\mu\text{g/L}$ and cis-1,2-DCE at concentrations up to 14 $\mu\text{g/L}$. In the second area, near the former wastewater treatment system sand filter beds, the Phase II results had showed the presence of TCE at concentrations of up to 16 $\mu\text{g/L}$ and cis-1,2-DCE at concentrations of up to 63 $\mu\text{g/L}$ in a ground water sample. In the Phase III investigation, MW07 was installed in the same area; a ground water sample from MW07 was found to contain TCE at a concentration of 200 $\mu\text{g/L}$ and cis-1,2-DCE at a concentration of 560 $\mu\text{g/L}$.
- Ground water samples collected from the other five wells at the site did not contain any VOCs at levels above the NYSDEC Ambient Water Quality Standards, suggesting that the contamination detected in wells MW01 and MW07 is limited in extent on-site.

- The ground water elevation data collected from the seven monitoring wells shows the general direction of ground water flow to be toward the northeast, with a secondary component of flow oriented toward the north in the north-central part of the site. These flow directions indicate the potential for VOCs detected in MW01 and MW07 to migrate off-site, although the relatively low permeability of the glacial material encountered at the site suggests that the ground water flow velocity would be relatively slow.
- The ground water flow patterns at the site, together with the ground water sampling results, indicate that the source of the VOCs detected in ground water is most likely on the MDT site. VOCs have not been detected in soil samples from the site at concentrations above NYSDEC soil cleanup criteria. Based on the distribution of VOCs in ground water, the most likely source was historical discharges which took place during the operation of the on-site wastewater treatment system during the 1950s and early 1960s (MW07 is located within the former sand filter beds of the wastewater treatment system and MW01 is immediately adjacent to, and downgradient from, the small impoundment that received the treated effluent from the former treatment system). Additional investigation would be necessary to further evaluate the sources of the VOCs and to ensure that there are no remaining soils that may be acting as continuing sources of VOCs to the ground water.
- It is uncertain whether active remediation of ground water would be necessary at this site due to the limited nature of the observed on-site contamination, the relatively low permeability of the shallow ground water zone at the site, and the lack of identified significant soil contamination. However, the fact that the two wells that contain VOCs above the applicable criteria are located near the downgradient property boundary suggests that additional investigation would be necessary to fully delineate the extent of ground water contamination associated with the site prior to making a determination of whether active ground water remediation is appropriate or necessary.
- Assuming that additional investigations are needed and active ground water remediation is necessary for hydraulic control of site-related ground water contaminants, ENVIRON has estimated the following potential costs. These costs are ENVIRON's best estimates of potential costs based on the limited available

information at the site and ENVIRON's experience at similar sites. The need for additional investigation and/or remediation will likely depend upon the results of further site investigations, legal and/or regulatory requirements, regulatory agency involvement, etc.

- Additional investigation of on-site ground water and potential soil contamination -- \$75,000 to \$150,000. These costs would typically be incurred over multiple phases of site investigation over a period of up to several years.
- Potential off-site ground water investigation -- \$50,000 to \$150,000. These costs would depend greatly on the extent to which potential off-site migration of contamination required investigation. If off-site ground water migration is not significant, then costs could be minimal.
- Design and installation of ground water capture and treatment system -- \$150,000 to \$300,000. These costs assume the installation of several recovery wells in the area of MW01 and MW07, with ground water piped to one treatment system utilizing air stripping and/or carbon filtration at a rate of 5 to 10 gallons per minute (gpm), and treated effluent discharged either to the sanitary sewer system or to surface water under a discharge permit. These costs would not likely be incurred for a period of up to several years until site investigation activities have been completed. Costs could be higher if capture of off-site ground water is necessary or if a larger area of on-site ground water needed to be captured.
- Annual operation and maintenance of ground water recovery system -- \$75,000 to \$100,000. These costs would include the O & M expenses associated with the system, periodic ground water and treatment system monitoring costs, potential discharge permit fees or sewer use fees, reporting costs, etc.. A reasonable expected period of operation of the system would be 5 to 10 years.
- Based on the sampling to date, no soil contamination has been detected that would require remediation. The potential exists that future investigations could identify soil contamination that may require remediation. The need for or costs associated with potential soil remediation cannot be reliably estimated at this time.

APPENDIX A
Monitoring Well Construction Logs, Henrietta, NY

WELL# <u>MW-01</u> PERMIT# <u>NOT APPLICABLE</u> DATE: <u>APRIL 25, 1996</u> LOGGED BY: <u>CAROLINE CZANK</u> DRILLING CO.: <u>ADVANCED DRILLING</u> DRILLER: <u>RICK EMPSON</u> RIG: <u>FAILING SS-25</u> METHOD: <u>4 1/4-IN. ID HOLLOW-STEM AUGER</u> BORING DIA.: <u>6-IN.</u> BORING DEPTH: <u>19.2 FT. BGS</u> DEPTH TO WATER: _____ SURFACE ELEV.: <u>532.39 FT. AMSL</u>	WELL CASING INTERVAL: <u>0.17-5.2 FT. BGS</u> DIA.: <u>2-IN.</u> TYPE: <u>SCHEDULE 40 PVC</u> T.O.C. ELEV.: <u>532.22 FT. AMSL</u> WELL SCREEN INTERVAL: <u>5.2-19.2 FT. BGS</u> DIA.: <u>2-IN.</u> SLOT SIZE: <u>0.010-IN.</u> WELL DEVELOPMENT TIME: <u>38 MINUTES</u> METHOD: <u>RIG PUMP</u> EST. YIELD: <u>0.6 GPM</u>	<h2 style="margin: 0;">ENVIRON</h2> <h2 style="margin: 0;">WELL LOG</h2> PROJECT: <u>SA: PHASE III</u> <u>HENRIETTA, NY</u> CASE # <u>02-5090C</u>
		COMMENTS: A CONTINUOUS YIELD OF 0.7 GPM WAS SUSTAINED DURING WELL DEVELOPMENT (WELL DID NOT PUMP DRY). A TOTAL OF 23 GALLONS WAS RECOVERED DURING DEVELOPMENT.
		Page 1 of 1 5090CL1A

DEPTH (FT.)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER 6 IN.	RECOVERY (IN.)	DESCRIPTION	PID (ppm)	WELL CONSTRUCTION	REMARKS
		2,3,6,22	12	6" TOPSOIL AND GRASS	0		START WORK 4-25-96.
5				MEDIUM BROWN TO GREY-RED-BROWN SILTY CLAY WITH FINE GRAVEL.			
			18	SAME AS ABOVE; MOIST	0		▼ WATER LEVEL MEASURED 4-25-96, FOLLOWING WELL INSTALLATION.
10	NA	5,6,9,11	20	SAME AS ABOVE; MOIST	0		
15		5,7,9,11	18		0		
20				BOTTOM OF BORING @ 19.2 FT.			AUGER REFUSAL AT 19.2 FT. DRILLER REPORTED POTENTIAL PRESENCE OF BEDROCK AT 19.2 FT. BASED ON DISTINCTIVE RESPONSE OF DRILL BIT AND AUGERS DURING DRILLING.
25							

WELL# MW-02PERMIT# NOT APPLICABLEDATE: APRIL 23, 1996LOGGED BY: CAROLINE CZANKDRILLING CO.: ADVANCED DRILLINGDRILLER: RICK EMPSONRIG: FAILING SS-25METHOD: 4 1/4-IN. ID HOLLOW-STEM AUGERBORING DIA.: 6-IN.BORING DEPTH: 21.5 FT. BGS

DEPTH TO WATER: _____

SURFACE ELEV.: 546.48 FT. AMSL

WELL CASING

INTERVAL: 0.24-6.5 FT. BGSDIA.: 2-IN.TYPE: SCHEDULE 40 PVCT.O.C. ELEV.: 546.24 FT. AMSL

WELL SCREEN

INTERVAL: 6.5-21.5 FT. BGSDIA.: 2-IN.SLOT SIZE: 0.010-IN.

WELL DEVELOPMENT

TIME: 25 MINUTES (TOTAL)METHOD: RIG PUMPEST. YIELD: SEE COMMENTS

ENVIRON

WELL LOG

PROJECT: SA: PHASE IIIHENRIETTA, NYCASE # 02-5090C

COMMENTS:

DURING DEVELOPMENT, WELL WAS PUMPED DRY (THEN ALLOWED TO RECOVER) THREE TIMES, AT A RATE OF 1 GPM FOR EACH TIME IT WAS PUMPED. CONTINUOUS YIELD COULD NOT BE SUSTAINED. A TOTAL OF 24 GALLONS WAS RECOVERED DURING DEVELOPMENT.

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5090CL1B

DEPTH (FT.)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER 6 IN.	RECOVERY (IN.)	DESCRIPTION	PID (ppm)	WELL CONSTRUCTION	REMARKS
				ASPHALT AND UNDERLYING GRAVEL.			START WORK 4-23-96.
		9,19,23,10	24	RED-BROWN SILTY CLAY WITH FINE GRAVEL.	0		
5							
		4,6,8,9	24	SAME AS ABOVE; MOIST.	0		WATER LEVEL MEASURED 4-24-96, FOLLOWING WELL INSTALLATION.
10							
		8,10,12,13	24		0		
15							
		9,13,21,22	24		0		
20							
		8,41,15,14	18	SAME AS ABOVE; WET.	0		
25				BOTTOM OF BORING @ 21.5 FT.			DIFFICULT TO IDENTIFY TOP OF WATER TABLE DURING DRILLING (USING OBSERVATIONS OF MOISTURE CONTENT OF SOIL IN SPLIT-SPOON SAMPLES).

Getinge Confidential
Information

WELL# MW-03PERMIT# NOT APPLICABLEDATE: APRIL 23, 1996LOGGED BY: CAROLINE CZANKDRILLING CO.: ADVANCED DRILLINGDRILLER: RICK EMPSONRIG: FAILING SS-25METHOD: 4 1/4-IN. ID HOLLOW-STEM AUGERBORING DIA.: 6-IN.BORING DEPTH: 20 FT. BGS

DEPTH TO WATER: _____

SURFACE ELEV.: 547.58 FT. AMSL

WELL CASING

INTERVAL: 0.16-10 FT. BGSDIA.: 2-IN.TYPE: SCHEDULE 40 PVCT.O.C. ELEV.: 547.42 FT. AMSL

WELL SCREEN

INTERVAL: 10-20 FT. BGSDIA.: 2-IN.SLOT SIZE: 0.010-IN.

WELL DEVELOPMENT

TIME: 41 MINUTES (TOTAL)METHOD: RIG PUMPEST. YIELD: SEE COMMENTS

ENVIRON

WELL LOG

PROJECT: SA: PHASE IIIHENRIETTA, NYCASE # 02-5090C

COMMENTS:

DURING DEVELOPMENT, WELL WAS PUMPED DRY (THEN ALLOWED TO RECOVER) FOUR TIMES, AT A RATE OF 0.5 GPM FOR EACH TIME IT WAS PUMPED. CONTINUOUS YIELD COULD NOT BE SUSTAINED. A TOTAL OF 20.5 GALLONS WAS RECOVERED DURING DEVELOPMENT.

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5090CL1C

DEPTH (FT.)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER 6 IN.	RECOVERY (IN.)	DESCRIPTION	PID (ppm)	WELL CONSTRUCTION	REMARKS
		2,3,4,5	18	6" TOPSOIL AND GRASS	0		START WORK 4-23-96.
5				MEDIUM BROWN SILTY CLAY WITH FINE GRAVEL; MOIST AT 5 FEET.			
		4,4,4,7	14		0		
10							WATER LEVEL MEASURED 4-24-96, FOLLOWING WELL INSTALLATION.
		16,17,23,24	18		0		
15							
		9,31,11,10	24	SAME AS ABOVE; WET.	0		
20				BOTTOM OF BORING • 20 FT.			DIFFICULT TO IDENTIFY TOP OF WATER TABLE DURING DRILLING (USING OBSERVATIONS OF MOISTURE CONTENT OF SOIL IN SPLIT-SPOON SAMPLES).
25							

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WELL# MW-04PERMIT# NOT APPLICABLEDATE: APRIL 22, 1996LOGGED BY: CAROLINE CZANKDRILLING CO.: ADVANCED DRILLINGDRILLER: RICK EMPSONRIG: FAILING SS-25METHOD: 4 1/4-IN. ID HOLLOW-STEM AUGERBORING DIA.: 6-IN.BORING DEPTH: 15 FT. BGS

DEPTH TO WATER: _____

SURFACE ELEV.: 536.44 FT. AMSL

WELL CASING

INTERVAL: 0.22-5.0 FT. BGSDIA.: 2-IN.TYPE: SCHEDULE 40 PVCT.O.C. ELEV.: 536.22 FT. AMSL

WELL SCREEN

INTERVAL: 5-15 FT. BGSDIA.: 2-IN.SLOT SIZE: 0.010-IN.

WELL DEVELOPMENT

TIME: 31 MINUTESMETHOD: RIG PUMPEST. YIELD: 0.7 GPM

ENVIRON

WELL LOG

PROJECT: SA: PHASE IIIHENRIETTA, NYCASE # 02-5090C

COMMENTS:

A CONTINUOUS YIELD OF 0.7 GPM WAS SUSTAINED DURING WELL DEVELOPMENT (WELL DID NOT PUMP DRY).

A TOTAL OF 21 GALLONS WAS RECOVERED DURING DEVELOPMENT.

Page 1 of 1

5090CL1D

DEPTH (FT.)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER 6 IN.	RECOVERY (IN.)	DESCRIPTION	PID (ppm)	WELL CONSTRUCTION	REMARKS
		2,3,5,5	20	6" TOPSOIL AND GRASS	0		START WORK 4-22-96.
5				MEDIUM BROWN SILTY CLAY WITH FINE GRAVEL; MOIST.			WATER LEVEL MEASURED 4-23-96, FOLLOWING WELL INSTALLATION.
		2,3,2,3	20		0		
10							
		3,4,9,15	18	SAME AS ABOVE; WET.	0		
15							
				BOTTOM OF BORING • 15 FT.			DIFFICULT TO IDENTIFY TOP OF WATER TABLE DURING DRILLING (USING OBSERVATIONS OF MOISTURE CONTENT OF SOIL IN SPLIT-SPOON SAMPLES).
20							
25							

Getinge Confidential
Information

WELL# MW-05PERMIT# NOT APPLICABLEDATE: APRIL 19, 1996LOGGED BY: CAROLINE CZANKDRILLING CO.: ADVANCED DRILLINGDRILLER: RICK EMPSONRIG: FAILING SS-25METHOD: 4 1/4-IN. ID HOLLOW-STEM AUGERBORING DIA.: 6-IN.BORING DEPTH: 25.2 FT. BGS

DEPTH TO WATER: _____

SURFACE ELEV.: 552.61 FT. AMSL

WELL CASING

INTERVAL: 0.19-15.2 FT. BGSDIA.: 2-IN.TYPE: SCHEDULE 40 PVCT.O.C. ELEV.: 552.42 FT. AMSL

WELL SCREEN

INTERVAL: 15.2-25.2 FT. BGSDIA.: 2-IN.SLOT SIZE: 0.010-IN.

WELL DEVELOPMENT

TIME: 13 MINUTESMETHOD: RIG PUMPEST. YIELD: SEE COMMENTSENVIRON
WELL LOGPROJECT: SA: PHASE III
HENRIETTA, NYCASE # 02-5090C

COMMENTS:

DURING DEVELOPMENT, WELL WAS PUMPED DRY (THEN ALLOWED TO RECHARGE) FOUR TIMES, AT A RATE OF 0.8 GPM FOR EACH TIME IT WAS PUMPED DRY; CONTINUOUS YIELD COULD NOT BE SUSTAINED.

A TOTAL OF 10 GALLONS WAS RECOVERED DURING DEVELOPMENT.

Page 1 of 1

5090CL1E

DEPTH (FT.)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER 6 IN.	RECOVERY (IN.)	DESCRIPTION	PID (ppm)	WELL CONSTRUCTION	REMARKS
		2,6,20,15	6	6" TOPSOIL AND GRASS	NR		START WORK 4-19-96.
				RED-GRAY-BROWN SILTY CLAY WITH FINE GRAVEL			NR=NO READING; OVM NOT WORKING PROPERLY.
5		13,7,5,5	18	RED-GRAY-BROWN CLAY TO SILTY CLAY WITH VERY FINE ANGULAR GRAVEL; MOIST AT 7 FT.	NR		WATER LEVEL MEASURED 4-23-96, FOUR DAYS AFTER BOREHOLE DRILLED.
10		3,3,4,5	24		NR		
15		2,4,4,5	24		NR		WATER LEVEL MEASURED 4-22-96, THREE DAYS AFTER BOREHOLE DRILLED.
20		2,2,5,6	20		NR		
25				BOTTOM OF BORING @ 25.2 FT.			Getinge Confidential Information WELL CONSTRUCTED 4-22-96. DIFFICULT TO IDENTIFY TOP OF WATER TABLE DURING DRILLING (USING OBSERVATIONS OF MOISTURE CONTENT OF SOIL IN SPLIT-SPOON SAMPLES).

WELL# <u>MW-06</u> PERMIT# <u>NOT APPLICABLE</u> DATE: <u>APRIL 19, 1996</u> LOGGED BY: <u>CAROLINE CZANK</u> DRILLING CO.: <u>ADVANCED DRILLING</u> DRILLER: <u>RICK EMPSON</u> RIG: <u>FAILING SS-25</u> METHOD: <u>4 1/4-IN. ID HOLLOW-STEM AUGER</u> BORING DIA.: <u>6-IN.</u> BORING DEPTH: <u>33.4 FT. BGS</u> DEPTH TO WATER: _____ SURFACE ELEV.: <u>548.26 FT. AMSL</u>	WELL CASING INTERVAL: <u>0.19-23.4 FT. BGS</u> DIA.: <u>2-IN.</u> TYPE: <u>SCHEDULE 40 PVC</u> T.O.C. ELEV.: <u>548.07 FT. AMSL</u> WELL SCREEN INTERVAL: <u>23.4-33.4 FT. BGS</u> DIA.: <u>2-IN.</u> SLOT SIZE: <u>0.010-IN.</u> WELL DEVELOPMENT TIME: <u>18 MINUTES (TOTAL)</u> METHOD: <u>RIG PUMP</u> EST. YIELD: <u>SEE COMMENTS</u>	<h1 style="margin: 0;">ENVIRON</h1> <h2 style="margin: 0;">WELL LOG</h2> PROJECT: <u>SA: PHASE III</u> <u>HENRIETTA, NY</u> CASE # <u>02-5090C</u>
		COMMENTS: DURING DEVELOPMENT, WELL WAS PUMPED DRY (THEN ALLOWED TO RECHARGE) FOUR TIMES, AT A RATE OF 0.9 GPM FOR EACH TIME IT WAS PUMPED DRY; CONTINUOUS YIELD COULD NOT BE SUSTAINED. A TOTAL OF 21 GALLONS WAS RECOVERED DURING DEVELOPMENT.

Page 1 of 2 5090CL1F

DEPTH (FT.)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER 6 IN.	RECOVERY (IN.)	DESCRIPTION	PID (ppm)	WELL CONSTRUCTION	REMARKS
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WELL# MW-06 (CONT)PERMIT# NOT APPLICABLEDATE: APRIL 19, 1996LOGGED BY: CAROLINE CZANKDRILLING CO.: ADVANCED DRILLINGDRILLER: RICK EMPSONRIG: FAILING SS-25METHOD: 4 1/4-IN. ID HOLLOW-STEM AUGERBORING DIA.: 6-IN.BORING DEPTH: 33.4 FT. BGS

DEPTH TO WATER: _____

SURFACE ELEV.: 548.26 FT. AMSL

WELL CASING

INTERVAL: 0.19-23.4 FT. BGSDIA.: 2-IN.TYPE: SCHEDULE 40 PVCT.O.C. ELEV.: 548.07 FT. AMSL

WELL SCREEN

INTERVAL: 23.4-33.4 FT. BGSDIA.: 2-IN.SLOT SIZE: 0.010-IN.

WELL DEVELOPMENT

TIME: 18 MINUTES (TOTAL)METHOD: RIG PUMPEST. YIELD: SEE COMMENTS

ENVIRON

WELL LOG

PROJECT: SA: PHASE IIIHENRIETTA, NYCASE # 02-5090C

COMMENTS:

DURING DEVELOPMENT, WELL WAS PUMPED DRY (THEN ALLOWED TO RECHARGE) FOUR TIMES, AT A RATE OF 0.9 GPM FOR EACH TIME IT WAS PUMPED DRY; CONTINUOUS YIELD COULD NOT BE SUSTAINED.

A TOTAL OF 21 GALLONS WAS RECOVERED DURING DEVELOPMENT.

Page 2 of 2

5090CL1F

DEPTH (FT.)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER 6 IN.	RECOVERY (IN.)	DESCRIPTION	PID (ppm)	WELL CONSTRUCTION	REMARKS
	NA	33, 50/3"	10		0		
35				BOTTOM OF BORING @ 33.4 FT.			DIFFICULT TO IDENTIFY TOP OF WATER TABLE DURING DRILLING (USING OBSERVATIONS OF MOISTURE CONTENT OF SOIL IN SPLIT-SPOON SAMPLES).
40							
45							
50							
55							

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WELL# MW-07PERMIT# NOT APPLICABLEDATE: APRIL 23, 1996LOGGED BY: CAROLINE CZANKDRILLING CO.: ADVANCED DRILLINGDRILLER: RICK EMPSONRIG: FAILING SS-25METHOD: 4 1/4-IN. ID HOLLOW-STEM AUGERBORING DIA.: 6-IN.BORING DEPTH: 18.2 FT. BGS

DEPTH TO WATER: _____

SURFACE ELEV.: 547.04 FT. AMSL

WELL CASING

INTERVAL: 0.26-8.2 FT. BGSDIA.: 2-IN.TYPE: SCHEDULE 40 PVCT.O.C. ELEV.: 546.78 FT. AMSL

WELL SCREEN

INTERVAL: 8.2-18.2 FT. BGSDIA.: 2-IN.SLOT SIZE: 0.010-IN.

WELL DEVELOPMENT

TIME: 19 MINUTESMETHOD: RIG PUMPEST. YIELD: SEE COMMENTSENVIRON
WELL LOGPROJECT: SA: PHASE IIIHENRIETTA, NYCASE # 02-5090C

COMMENTS:

DURING DEVELOPMENT, WELL WAS PUMPED DRY (THEN ALLOWED TO RECHARGE) FOUR TIMES, AT A RATE OF 0.9 GPM FOR EACH TIME IT WAS PUMPED DRY; CONTINUOUS YIELD COULD NOT BE SUSTAINED.

A TOTAL OF 17 GALLONS WAS RECOVERED DURING DEVELOPMENT.

Page 1 of 1

5090CL1G

DEPTH (FT.)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER 6 IN.	RECOVERY (IN.)	DESCRIPTION	PID (ppm)	WELL CONSTRUCTION	REMARKS
		3,6,7,9	18	6" TOPSOIL AND GRASS	0		START WORK 4-22-96.
		11,16,22,17	0	MEDIUM BROWN SILTY CLAY	NA		
5		9,8,7,8	18	WOOD FRAGMENTS COARSE SAND; WET	0		
	SB01	6,6,7,12	18	RED-BROWN SILTY CLAY; MOIST	0.6		SOIL SAMPLE: 5090C-NY-MW07-SB01
10	SB02	7,10,9,9	24		6		WATER LEVEL MEASURED 4-23-96, AFTER WELL INSTALLED
			0		NA		SOIL SAMPLE: 5090C-NY-MW07-SB02
	SB03	11,11,16,16	24	SAME AS ABOVE WITH ANGULAR FINE GRAVEL.	3.4		SOIL SAMPLE: 5090C-NY-MW07-SB03
15		10,12,10,14	16		0		
20				BOTTOM OF BORING @ 18.2 FT.			WELL CONSTRUCTED 4-23-96. DIFFICULT TO IDENTIFY TOP OF WATER TABLE DURING DRILLING (USING OBSERVATIONS OF MOISTURE CONTENT OF SOIL IN SPLIT-SPOON SAMPLES).
25							

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APPENDIX B
Laboratory Data Report, Henrietta, NY



Lancaster Laboratories
A Thermo Analytical Laboratory

Page: 1 of 3

LLI Sample No. WW 2501523

Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/2/96

Discard: 5/17/96

5090C-NY-MW01-GW01 Water Sample

SA: Phase III 02 5090C

M1G1- SDG#: MDT05-13

Account No: 07546

ENVIRON Corporation - NJ

214 Carnegie Center, Suite 200

Princeton NJ 08540

P.O. 02-5090C

Rel.

AS RECEIVED

LIMIT OF

QUANTITATION

UNITS

CAT
NO.

ANALYSIS NAME

RESULTS

4592 TCL Volatiles by 8240 - Water

See Page 2

1 COPY TO ENVIRON Corporation - NJ
1 COPY TO Data Package Group

ATTN: Mr. Arthur Bozza

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300
04:35:55 D 0002 4 125758 513664
050 0.00 00044200 ASR000

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Information**

Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations

2216 Rev. 10/30/95





Lancaster Laboratories

A Thermo Analytical Laboratory

Page: 2 of 3

LLI Sample No. WW 2501523

Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/2/96

Discard: 5/17/96

5090C-NY-MW01-GW01 Water Sample

SA: Phase III 02-5090C

MIG1- SDG#: MDT05-13

Account No: 07546

ENVIRON Corporation - NJ

214 Carnegie Center, Suite 200

Princeton NJ 08540

P.O. 02-5090C

Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
CL Volatiles by 8240 - Water				
258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
1494	Chloroethane	N.D.	5.	ug/l
1497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
1500	1,1-Dichloroethene	N.D.	5.	ug/l
1501	1,1-Dichloroethane	N.D.	5.	ug/l
1503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
1505	1,1,1-Trichloroethane	N.D.	5.	ug/l
1506	Carbon Tetrachloride	N.D.	5.	ug/l
1507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
1509	1,2-Dichloropropane	N.D.	5.	ug/l
1516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
1511	Trichloroethene	860.	5.	ug/l
1512	Dibromochloromethane	N.D.	5.	ug/l
1513	1,1,2-Trichloroethane	N.D.	5.	ug/l
1515	Benzene	N.D.	5.	ug/l
1510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
1518	Bromoform	N.D.	5.	ug/l
1521	4-Methyl-2-pentanone	N.D.	10.	ug/l
1520	2-Hexanone	N.D.	10.	ug/l
1522	Tetrachloroethene	N.D.	5.	ug/l
1523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
1524	Toluene	N.D.	5.	ug/l
1525	Chlorobenzene	N.D.	5.	ug/l
1526	Ethylbenzene	N.D.	5.	ug/l
1528	Styrene	N.D.	5.	ug/l
1529	Xylene (total)	N.D.	5.	ug/l
1570	trans-1,2-Dichloroethene	N.D.	5.	ug/l
16268	cis-1,2-Dichloroethene	13.	5.	ug/l

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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10/30/95



LLI Sample No. WW 2501523

Collected: 04/26/96 by CC

Submitted: 04/27/96

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

5090C-NY-MW01-GW01 Water Sample

SA: Phase III 02 5090C

M1G1- SDG#: MDT05-13

CAT	ANALYSIS NAME	METHOD	ANALYSIS TRIAL	DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0559	Clark A. Dougherty

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PO Box 12425
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Page: 1 of 3

LLI Sample No. WW 2501524

Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/2/96
Discard: 5/17/96

5090C-NY-MW01-GW11 Water Sample

SA: Phase III 02-5090C
M1G11 SDG#: MDT05-14

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090C
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CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
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1592 TCL Volatiles by 82-u - Water

See Page 2

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04:36:14 D 0002 4 125758 513664
050 0.00 00044200 ASR000

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Michele McClarin, B.A.
Group Leader, GC/MS Volatiles

MEMBER
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LLI Sample No. WW 2501524

Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/2/96

Discard: 5/17/96

5090C-NY-MW01-GW11 Water Sample

SA: Phase III 02 5090C

M1G11 SDG#: MDT05-14

Account No: 07546
 ENVIRON Corporation - NJ
 214 Carnegie Center, Suite 200
 Princeton NJ 08540

P.O. 02-5090C

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CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	1,000.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	14.	5.	ug/l

Questions? Contact your Client Services Representative
 Katherine A. Klinefelter at (717) 656-2300

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Respectfully Submitted
 Michele McClarin, B.A.
 Group Leader, GC/MS Volatiles



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Page: 3 of 3

LLI Sample No. WW 2501524

Collected: 04/20/96 by CC

Submitted: 04/27/96

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

5090C-NY-MWD1-GW11 Water Sample

SA: Phase III 02-5090C

M1G11 SDG#: MDT05-14

CAT	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
ND					
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0636	Clark A. Dougherty

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Page: 1 of 3

LLI Sample No. WW 2500741
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-MW02-GW01 Water Sample

SA: Phase III 02-5090C
50902 SDG#: MDT05-06

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090C
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CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
------------	---------------	---------	--------------------------	-------

4592 TCL Volatiles by 8240 - Water

See Page 2

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ATTN: Mr. Arthur Bozza

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300
12:30:34 D 0002 7 125758 513513
050 0.00 00044200 ASR000

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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LLI Sample No. WW 2500741
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-MW02-GW01 Water Sample

SA: Phase III 02-5090C
50902 SDG#: MDT05-06

Account No: 07546
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Princeton NJ 08540

P.O. 02-5090C
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CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
CL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
3516	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	N.D.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
3528	cis-1,2-Dichloroethene	N.D.	5.	ug/l

Questions? Contact your Client Services Representative
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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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LLI Sample No. WW 2500741
Collected: 04/25/96 by CC

Submitted: 04/26/96

5090C-NY-MW02-GW01 Water Sample

SA: Phase III 02-5090C
50902 SDG#: MDT05-06

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0140	Clark A. Dougherty



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LLI Sample No. WW 2500742
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-MW03-GW01 Water Sample

SA: Phase III 02-5090C
50903 SDG#: MDT05-07

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090C
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CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
4592	TCL Volatiles by 8240 - Water			See Page 2

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12:31:14 D 0002 7 125758 513513
050 0.00 00044200 ASR000

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles

MEMBER
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LLI Sample No. WW 2500742
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-MW03-GW01 Water Sample

SA: Phase III 02-5090C
50903 SDG#: MDT05-07

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090C
Rel.

		AS RECEIVED		
CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	N.D.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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LLI Sample No. WW 2500742
Collected: 04/25/96 by CC

Submitted: 04/26/96

5090C-NY-MW03-GW01 Water Sample

SA: Phase III 02-5090C
50903 SDG#: MDT05-07

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS TRIAL DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1 04/30/96 0216	Clark A. Dougherty

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LLI Sample No. WW 2501521

Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/ 2/96

Discard: 5/17/96

5090C-NY-MW04-GW01 Water Sample

SA: Phase III 02-5090C

M4G1- SDG#: MDT05-11

Account No: 07546

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Princeton NJ 08540

P.O. 02-5090C

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CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
------------	---------------	---------	--------------------------	-------

4592 TCL Volatiles by 8240 - Water

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Respectfully Submitted
Michele McClarin, B.A.
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LLI Sample No. WW 2501521

Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/ 2/96

Discard: 5/17/96

5090C-NY-MW04-GW01 Water Sample

SA: Phase III 02-5090C

M4G1- SDG#: MDT05-11

Account No: 07546

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P.O. 02-5090C

Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
------------	---------------	---------	--------------------------	-------

CL Volatiles by 8240 - Water

1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
3516	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	N.D.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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221b Rev 10/30/95



LLI Sample No. WW 2501521
Collected: 04/26/96 by CC

Submitted: 04/27/96

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

5090C-NY-MW04-GW01 Water Sample

SA: Phase III 02.5070C
M4G1- SDG#: MDT05-11

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0446	Clark A. Dougherty

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LLI Sample No. WW 2500740

Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96

Discard: 5/ 9/96

5090C-NY-MW05-GW01 Water Sample

SA: Phase III 02-5090C

50905 SDG#: MDT05-05

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

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AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
---------	---------------	---------	-----------------------	-------

4592 TCL Volatiles by 8240 - Water

See Page 2

1 COPY TO ENVIRON Corporation - NJ ATTN: Mr. Arthur Bozza
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Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300
12:30:09 D 0002 7 125758 513513
050 0.00 00044200 ASR000

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles

MEMBER
ACIL

Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations

2216 Rev 10/30/95



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Page: 2 of 3

LLI Sample No. WW 2500740

Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96

Discard: 5/ 9/96

5090C-NY-MW05-GW01 Water Sample

SA: Phase III 02-5090C

50905 SDG#: MDT05-05

Account No: 07546

ENVIRON Corporation - NJ

214 Carnegie Center, Suite 200

Princeton NJ 08540

P.O. 02-5090C

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		AS RECEIVED		
CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	39.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	N.D.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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10/30/95



LLI Sample No. WW 2500740
 Collected: 04/25/96 by CC
 Submitted: 04/26/96

Account No: 07546
 ENVIRON Corporation - NJ
 214 Carnegie Center, Suite 200
 Princeton NJ 08540

5090C-NY-MW05-GW01 Water Sample

SA: Phase III 02-5090C
 50905 SDG#: MDT05-05

CAT	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0104	Clark A. Dougherty

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 PO Box 12425
 Lancaster PA 17605-2425
 717-656-2300 Fax 717-656-2681



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Page: 1 of 3

LLI Sample No. WW 2500739

Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96

Discard: 5/ 9/96

5090C-NY-MW06-GW01 Water Sample

SA: Phase III 02-5090C

50906 SDG#: MDT05-04

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090C
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CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
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4592 TCL Volatiles by 8240 - Water

See Page 2

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Katherine A. Klinefelter at (717) 656-2300
12:29:41 D 0002 7 125758 513513
050 40.00 00048200 ASR000

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Respectfully Submitted
Michele McClarin, B.A.
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Page: 2 of 3

LLI Sample No. WW 2500739
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-MW06-GW01 Water Sample

SA: Phase III 02-5090C
50906 SDG#: MDT05-04

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090C
Rel.

		AS RECEIVED		
CAT			LIMIT OF	
NO.	ANALYSIS NAME	RESULTS	QUANTITATION	UNITS
TCL Volatiles by B240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	N.D.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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LLI Sample No. WW 2500739
Collected: 04/25/96 by CC

Submitted: 04/26/96

5090C-NY-MW06-GW01 Water Sample

SA: Phase III 02-5090C
50906 SDG#: MDT05-04

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0018	Clark A. Dougherty

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Page: 1 of 3

LLI Sample No. WW 2501522

Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/ 2/96

Discard: 5/17/96

5090C-NY-MW07-GW01 Water Sample

SA: Phase III 02-5090C

M7G1- SDG#: MDT05-12

Account No: 07546
ENVIRON Corporation - NJ
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Princeton NJ 08540

P.O. 02-5090C
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CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
4592	TCL Volatiles by 8240 - Water			See Page 2

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ATTN: Mr. Arthur Bozza

Question? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300
04:35:33 D 0002 4 125758 513664
050 0.00 00044200 ASR000

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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LLI Sample No. WW 2501522

Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/ 2/96

Discard: 5/17/96

5090C-NY-MW07-GW01 Water Sample

SA: Phase III 02-5090C

M7G1- SDG#: MDT05-12

Account No: 07546

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AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	200.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	2.	5.	ug/l
6268	cis-1,2-Dichloroethene	560.	5.	ug/l

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425



LLI Sample No. WW 2501522

Collected: 04/26/96 by CC

Submitted: 04/27/96

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

5090C-NY-MW07-GW01 Water Sample

SA: Phase III 02-5090C
M7G1- SDG#: MD105-12

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS TRIAL	DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0522	Clark A. Dougherty

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PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681





LLI Sample No. WW 2500743
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-FB01-042596 Water Sample

SA: Phase III 02-5090C
CFB01 SDG#: MDT05-08FB

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090C
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CAT	ANALYSIS NAME	AS RECEIVED	RESULTS	LIMIT OF QUANTITATION	UNITS
-----	---------------	-------------	---------	-----------------------	-------

592 TCL Volatiles by 8240 - Water

See Page 2

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050 0.00 00044200 ASR000

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Respectfully Submitted
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Page: 2 of 3

LLI Sample No. WW 2500743

Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96

Discard: 5/ 9/96

5090C-NY-FB01-042596 Water Sample

SA: Phase III. 02-5090C

CFB01 SDG#: MDT05-08FB

Account No: 07546

ENVIRON Corporation - NJ

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Princeton NJ 08540

P.O. 02-5090C

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CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
494	Chloroethane	N.D.	5.	ug/l
497	Methylene Chloride	N.D.	5.	ug/l
498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
500	1,1-Dichloroethane	N.D.	5.	ug/l
501	1,1-Dichloroethane	N.D.	5.	ug/l
503	Chloroform	N.D.	5.	ug/l
504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
505	1,1,1-Trichloroethane	N.D.	5.	ug/l
506	Carbon Tetrachloride	N.D.	5.	ug/l
507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
509	1,2-Dichloropropane	N.D.	5.	ug/l
516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
511	Trichloroethene	N.D.	5.	ug/l
512	Dibromochloromethane	N.D.	5.	ug/l
513	1,1,2-Trichloroethane	N.D.	5.	ug/l
515	Benzene	N.D.	5.	ug/l
510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
520	2-Hexanone	N.D.	10.	ug/l
522	Tetrachloroethene	N.D.	5.	ug/l
523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
524	Toluene	N.D.	5.	ug/l
525	Chlorobenzene	N.D.	5.	ug/l
526	Ethylbenzene	N.D.	5.	ug/l
528	Styrene	N.D.	5.	ug/l
529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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717-656-2300 Fax 717-656-2681

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LLI Sample No. WW 2500743

Collected: 04/25/96 by CC

Submitted: 04/26/96

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

5090C-NY-FB01-042596 Water Sample

SA: Phase III 02-5090C
CFB01 SDG#: MDT05-08FB

CAT	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0252	Clark A. Dougherty

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10/30/95



Page: 1 of 3

LLI Sample No. WW 2501540

Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/ 2/96

Discard: 5/10/96

5090C-NY-TB02-042696 Water Sample

SA: Phase III 02-5090C

TB-02 SDG#: MDT05-15TB*

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton, NJ 08540

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CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
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4592	TCL Volatiles by 8240 - Water			
------	-------------------------------	--	--	--

See Page 2.

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ATTN: Mr. Arthur Bozza

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300
04:36:40 D 0002 1 125758 513672
050 40.00 00048200 ASR000

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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PO Box 12425

Lancaster PA 17605-2425

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For more information, please call or write to the address above.

10/30/95



LLI Sample No. WW 2501540

Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/2/96

Discard: 5/10/96

5090C-NY-TB02-042696 Water Sample

SA: Phase III 02 5090C

TB-02 SDG#: MDJ05-15TB

Account No: 07546
 ENVIRON Corporation - NJ
 214 Carnegie Center, Suite 200
 Princeton, NJ 08540

P.O. 02-5090C

Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	1.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

Questions? Contact your Client Services Representative
 Katherine A. Klinefelter at (717) 656-2300

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Respectfully Submitted
 Michele McClarin, B.A.
 Group Leader, GC/MS Volatiles



Lancaster Laboratories
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 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax 717-656-2681

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2016 Rev. 10/30/95



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Page: 3 of 3.

LLI Sample No. WW 2501540

Collected: 04/26/96 by CC

Submitted: 04/27/96

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton, NJ 08540

5090C-NY-TB02-042696 Water Sample

SA: Phase III DC 5090C
TB-02 SDG#: MDT05 15TB

CAT	ANALYSIS NAME	METHOD	ANALYSIS TRIAL	DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0801	David P. Chandler, Jr.

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Lancaster, PA 17605-2425
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2216 Re. 10/30/95





LLI Sample No. WW 2500744

Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96

Discard: 5/ 9/96

5090C-NY-FB02-042596 Water Sample

SA: Phase III 02-5090C

CFB02 SDG#: MDT05-09FB

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	LIMIT OF QUANTITATION	
4592	TCL Volatiles by 8240 - Water			See Page 2

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ATTN: Mr. Arthur Bozza

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Katherine A. Klinefelter at (717) 656-2300
12:32:19 D 0002 7 125758 513513
050 0.00 00044200 ASR000

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Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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Lancaster PA 17605-2425
717-656-2300 Fax 717-656-2681



LLI Sample No. WW 2500744

Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-FB02-042596 Water Sample

SA: Phase III 02-5090C
CFB02 SDG#: MDT05-09FBAccount No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540P.O. 02-5090C
Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethane	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
3516	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	N.D.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
5268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

Questions? Contact your Client Services Representative
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LLI Sample No. WW 2500744

Collected: 04/25/96 by CC

Submitted: 04/26/96

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

5090C-NY-FB02-042596 Water Sample

SA: Phase III 02-5090C
CFB02 SDG#: MDT05-09FB

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS TRIAL	DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0328	Clark A. Dougherty



Page: 1 of 3

LLI Sample No. WW 2500745

Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-TB01-042596 Water Sample

SA: Phase III 02-5090C
CTB01 SDG#: MDT05-10TB

Account No: 07546
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CAT	ANALYSIS NAME	RESULTS	LIMIT OF, QUANTITATION UNITS
592	TCL Volatiles by 8240 - Water		See Page 2

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LLI Sample No. WW 2500745

Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96

Discard: 5/ 9/96

5090C-NY-TB01-042596 Water Sample

SA: Phase III 02-5090C

CTB01 SDG#: MDT05-10TB

Account No: 07546

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CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	N.D.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

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Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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LLI Sample No. WW 2500745
 Collected: 04/25/96 by CC
 Submitted: 04/26/96

Account No: 07546
 ENVIRON Corporation - NJ
 214 Carnegie Center, Suite 200
 Princeton NJ 08540

5090C-NY-TB01-042596 Water-Sample

SA: Phase III 02-5090C
 CTB01 SDG#: MDT05-10TB

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS TRIAL	DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0404	Clark A. Dougherty

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Page: 1 of 3

LLI Sample No. SW 2499216
Collected: 4/22/96 by CC

Submitted: 4/24/96 Reported: 4/30/96
Discard: 5/15/96

5090C-NY-MW07-SB01 Soil Sample
SA: Phase III 02-5090C
MDT - Rochester, NY
7SBQ1 SDG#: MDT05-01

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT		
		RESULTS	LIMIT OF QUANTITATION	UNITS	RESULTS	LIMIT OF QUANTITATION	UNITS
1593	TCL Volatiles by 8240				See Page	2	
1111	Moisture	13.8	0.5	% by wt.			
	"Moisture" represents the loss in weight of the sample after drying with an infrared lamp at 150 degrees Celsius.						

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ATTN: Mr. Arthur Bozza

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Katherine A. Klinefelter at (717) 656-2300
03:55:27 D 0002 3 125758 513119
050 40.00 00052450 ASR000

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Group Leader, GC/MS Volatiles

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10/30/95



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Page: 2 of 3

LLI Sample No. SW 2499216

Collected: 4/22/96 by CC.

Submitted: 4/24/96 Reported: 4/30/96

Discard: 5/15/96

5090C-NY-MW07-SB01 Soil Sample

SA: Phase III 02-5090C

MDT - Rochester, NY

7SB01 SDG#: MDT05-01

Account No: 07546

ENVIRON Corporation - NJ

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Princeton NJ 08540

P.O. 02-5090C

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AS RECEIVED

LIMIT OF

RESULTS QUANTITATION UNITS

DRY WEIGHT

LIMIT OF

RESULTS QUANTITATION

GC Volatiles by 8240

CAT NO.	ANALYSIS NAME	RESULTS	QUANTITATION	UNITS	RESULTS	QUANTITATION
434	Chloromethane	N.D.	5.	ug/kg	N.D.	6.
3435	Bromomethane	N.D.	5.	ug/kg	N.D.	6.
3436	Vinyl Chloride	N.D.	5.	ug/kg	N.D.	6.
437	Chloroethane	N.D.	5.	ug/kg	N.D.	6.
440	Methylene Chloride	21.	5.	ug/kg	25.	6.
4074	Acetone	12.	20.	ug/kg	14.	23.
4076	Carbon Disulfide	N.D.	5.	ug/kg	N.D.	6.
180	1,1-Dichloroethene	N.D.	5.	ug/kg	N.D.	6.
442	1,1-Dichloroethane	N.D.	5.	ug/kg	N.D.	6.
444	Chloroform	1.	5.	ug/kg	1.	6.
3445	1,2-Dichloroethane	N.D.	5.	ug/kg	N.D.	6.
085	2-Butanone	N.D.	10.	ug/kg	N.D.	12.
446	1,1,1-Trichloroethane	N.D.	5.	ug/kg	N.D.	6.
447	Carbon Tetrachloride	N.D.	5.	ug/kg	N.D.	6.
091	Vinyl Acetate	N.D.	10.	ug/kg	N.D.	12.
3448	Bromodichloromethane	N.D.	5.	ug/kg	N.D.	6.
450	1,2-Dichloropropane	N.D.	5.	ug/kg	N.D.	6.
454	cis-1,3-Dichloropropene	N.D.	5.	ug/kg	N.D.	6.
181	Trichloroethene	10.	5.	ug/kg	12.	6.
3452	Dibromochloromethane	N.D.	5.	ug/kg	N.D.	6.
453	1,1,2-Trichloroethane	N.D.	5.	ug/kg	N.D.	6.
182	Benzene	N.D.	5.	ug/kg	N.D.	6.
451	trans-1,3-Dichloropropene	N.D.	5.	ug/kg	N.D.	6.
456	Bromoform	N.D.	5.	ug/kg	N.D.	6.
108	4-Methyl-2-pentanone	N.D.	10.	ug/kg	N.D.	12.
107	2-Hexanone	N.D.	10.	ug/kg	N.D.	12.
457	Tetrachloroethene	N.D.	5.	ug/kg	N.D.	6.
449	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/kg	N.D.	6.
1183	Toluene	N.D.	5.	ug/kg	N.D.	6.
1184	Chlorobenzene	N.D.	5.	ug/kg	N.D.	6.
458	Ethylbenzene	N.D.	5.	ug/kg	N.D.	6.
117	Styrene	N.D.	5.	ug/kg	N.D.	6.
355	Xylene (total)	N.D.	5.	ug/kg	N.D.	6.
187	trans-1,2-Dichloroethene	N.D.	5.	ug/kg	N.D.	6.
277	cis-1,2-Dichloroethene	10.	5.	ug/kg	11.	6.

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles

MEMBER
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Lancaster, PA 17603-2425
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LLI Sample No. SW 2499216

Collected: 04/22/96 by CC

Submitted: 04/24/96

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

5090C-NY-MW07-SB01 Soil Sample
SA: Phase III 02-5090C
MDT - Rochester, NY
7SB01 SDG#: MDT05-01

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4593	TCL Volatiles by 8240	SW-846 8240B	1	04/26/96 2316	Lawrence M. Taylor
2111	Moisture	EPA 160.3 modified	1	04/25/96 0340	Lee L. Munro

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04/24/96 10:30/95





LLI Sample No. SW 2499217

Collected: 4/22/96 by CC

Submitted: 4/24/96 Reported: 4/30/96
Discard: 5/15/96

5090C-NY-MW07-SB02 Soil Sample
SA: Phase III 02-5090C
MDT - Rochester, NY
7SB02 SDG#: MDT05-02

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090C
Rel.

		AS RECEIVED			DRY WEIGHT		
CAT NO.	ANALYSIS NAME	* RESULTS	LIMIT OF QUANTITATION	UNITS		RESULTS	LIMIT OF QUANTITATION
593	TCL Volatiles by 8240			See Page 2			
111	Moisture	10.2	0.5	% by wt.			
	"Moisture" represent the loss in weight of the sample after drying with an infrared lamp at 150 degrees Celsius.						

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Katherine A. Klinefelter at (717) 656-2300
03:55:49 D 0002 3 125758 513119
050 0.00 00048450 ASR000

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Group Leader, GC/MS Volatiles



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LLI Sample No. SW 2499217

Collected: 4/22/96 by CC

Submitted: 4/24/96 Reported: 4/30/96

Discard: 5/15/96

5090C-NY-MW07-SB02 Soil Sample

SA: Phase III 02-5090C

MDT - Rochester, NY

7SB02 SDG#: MDT05-02

Account No: 07546

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P.O. 02-5090C

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DRY WEIGHT

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS	RESULTS	LIMIT OF QUANTITATION
CL Volatiles by 8240						
3434	Chloromethane	N.D.	5.	ug/kg	N.D.	6.
3435	Bromomethane	N.D.	5.	ug/kg	N.D.	6.
3436	Vinyl Chloride	N.D.	5.	ug/kg	N.D.	6.
3437	Chloroethane	N.D.	5.	ug/kg	N.D.	6.
3440	Methylene Chloride	11.	5.	ug/kg	12.	6.
4074	Acetone	9.	20.	ug/kg	10.	22.
4076	Carbon Disulfide	N.D.	5.	ug/kg	N.D.	6.
1180	1,1-Dichloroethene	N.D.	5.	ug/kg	N.D.	6.
3442	1,1-Dichloroethane	N.D.	5.	ug/kg	N.D.	6.
3444	Chloroform	N.D.	5.	ug/kg	N.D.	6.
3445	1,2-Dichloroethane	N.D.	5.	ug/kg	N.D.	6.
3085	2-Butanone	N.D.	10.	ug/kg	N.D.	11.
3446	1,1,1-Trichloroethane	N.D.	5.	ug/kg	N.D.	6.
3447	Carbon Tetrachloride	N.D.	5.	ug/kg	N.D.	6.
4091	Vinyl Acetate	N.D.	10.	ug/kg	N.D.	11.
3448	Bromodichloromethane	N.D.	5.	ug/kg	N.D.	6.
3450	1,2-Dichloropropane	N.D.	5.	ug/kg	N.D.	6.
3454	cis-1,3-Dichloropropene	N.D.	5.	ug/kg	N.D.	6.
181	Trichloroethene	6.	5.	ug/kg	6.	6.
3452	Dibromochloromethane	N.D.	5.	ug/kg	N.D.	6.
3453	1,1,2-Trichloroethane	N.D.	5.	ug/kg	N.D.	6.
182	Benzene	N.D.	5.	ug/kg	N.D.	6.
3451	trans-1,3-Dichloropropene	N.D.	5.	ug/kg	N.D.	6.
3456	Bromoform	N.D.	5.	ug/kg	N.D.	6.
4108	4-Methyl-2-pentanone	N.D.	10.	ug/kg	N.D.	11.
1107	2-Hexanone	N.D.	10.	ug/kg	N.D.	11.
3457	Tetrachloroethene	N.D.	5.	ug/kg	N.D.	6.
3449	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/kg	N.D.	6.
1183	Toluene	N.D.	5.	ug/kg	N.D.	6.
1184	Chlorobenzene	N.D.	5.	ug/kg	N.D.	6.
3458	Ethylbenzene	N.D.	5.	ug/kg	N.D.	6.
1117	Styrene	N.D.	5.	ug/kg	N.D.	6.
3355	Xylene (total)	N.D.	5.	ug/kg	N.D.	6.
3187	trans-1,2-Dichloroethene	N.D.	5.	ug/kg	N.D.	6.
3277	cis-1,2-Dichloroethene	16.	5.	ug/kg	18.	6.

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



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2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations

221C Re. 10/30/95



Lancaster Laboratories
A Thermo Analytical Laboratory

Page: 3 of 3

LLI Sample No. SW 2499217
Collected: 04/22/96 by CC

Submitted: 04/24/96

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

5090C-NY-MW07-SB02 Soil Sample
SA: Phase III 02-5090C
MDT - Rochester, NY
7SB02 SDG#: MDT05-02

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4593	TCL Volatiles by S240	SW-846 8240B	1	04/26/96 2358	L. Alberto Rodriguez
2111	Moisture	EPA 160.3 modified	1	04/25/96 0353	Lee L. Munro



Lancaster Laboratories
A Thermo Analytical Laboratory

Page: 2 of 3

LLI Sample No. SW 2499218

Collected: 4/22/96 by CC

Submitted: 4/24/96 Reported: 4/30/96

Discard: 5/15/96

5090C-NY-MW07-SB03 Soil Sample

SA: Phase III 02-5090C

MDT - Rochester, NY

7SB03 SDG#: MQT05-03

Account No: 07546

ENVIRON Corporation - NJ

214 Carnegie Center, Suite 200

Princeton NJ 08540

P.O. 02-5090C

Rel.

		AS RECEIVED			DRY WEIGHT		
CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS	RESULTS	LIMIT OF QUANTITATION	
TCL Volatiles by 8240							
3434	Chloromethane	N.D.	5.	ug/kg	N.D.	6.	
3435	Bromomethane	N.D.	5.	ug/kg	N.D.	6.	
3436	Vinyl Chloride	N.D.	5.	ug/kg	N.D.	6.	
3437	Chloroethane	N.D.	5.	ug/kg	N.D.	6.	
3440	Methylene Chloride	4.	5.	ug/kg	5.	6.	
4074	Acetone	11.	20.	ug/kg	13.	22.	
4076	Carbon Disulfide	N.D.	5.	ug/kg	N.D.	6.	
1180	1,1-Dichloroethene	N.D.	5.	ug/kg	N.D.	6.	
3442	1,1-Dichloroethane	N.D.	5.	ug/kg	N.D.	6.	
3444	Chloroform	N.D.	5.	ug/kg	N.D.	6.	
3445	1,2-Dichloroethane	N.D.	5.	ug/kg	N.D.	6.	
4085	2-Butanone	N.D.	10.	ug/kg	N.D.	11.	
3446	1,1,1-Trichloroethane	N.D.	5.	ug/kg	N.D.	6.	
3447	Carbon Tetrachloride	N.D.	5.	ug/kg	N.D.	6.	
4091	Vinyl Acetate	N.D.	10.	ug/kg	N.D.	11.	
3448	Bromodichloromethane	N.D.	5.	ug/kg	N.D.	6.	
3450	1,2-Dichloropropane	N.D.	5.	ug/kg	N.D.	6.	
3454	cis-1,3-Dichloropropene	N.D.	5.	ug/kg	N.D.	6.	
1181	Trichloroethene	15.	5.	ug/kg	17.	6.	
3452	Dibromochloromethane	N.D.	5.	ug/kg	N.D.	6.	
3453	1,1,2-Trichloroethane	N.D.	5.	ug/kg	N.D.	6.	
1182	Benzene	N.D.	5.	ug/kg	N.D.	6.	
3451	trans-1,3-Dichloropropene	N.D.	5.	ug/kg	N.D.	6.	
3456	Bromoform	N.D.	5.	ug/kg	N.D.	6.	
4108	4-Methyl-2-pentanone	N.D.	10.	ug/kg	N.D.	11.	
4107	2-Hexanone	N.D.	10.	ug/kg	N.D.	11.	
3457	Tetrachloroethene	N.D.	5.	ug/kg	N.D.	6.	
3449	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/kg	N.D.	6.	
1183	Toluene	N.D.	5.	ug/kg	N.D.	6.	
1184	Chlorobenzene	N.D.	5.	ug/kg	N.D.	6.	
3458	Ethylbenzene	N.D.	5.	ug/kg	N.D.	6.	
4117	Styrene	N.D.	5.	ug/kg	N.D.	6.	
3355	Xylene (total)	N.D.	5.	ug/kg	N.D.	6.	
6187	trans-1,2-Dichloroethene	N.D.	5.	ug/kg	N.D.	6.	
6277	cis-1,2-Dichloroethene	15.	5.	ug/kg	17.	6.	

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300

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Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



Lancaster Laboratories
2425 New Holland Pike
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Lancaster, PA 17605-2425
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See reverse side for explanation of symbols and abbreviations

2016 Rev. 10/30/95



LLI Sample No. SW 2499218

Collected: 04/22/96 by CC

Submitted: 04/24/96

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

5090C-NY-MW07-SB03 Soil Sample

SA: Phase III 02-5090C

MDT - Rochester, NY

7SB03 SDG#: MD105-03

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4593	TCL Volatiles by 8240	SW-846 8240B	1	04/27/96 0032	L. Alberto Rodriguez
2111	Moisture	EPA 160.3 modified	1	04/25/96 0403	Lee L. Munro

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Lancaster Laboratories
2425 New Holland Pike
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See reverse side for explanation of symbols and abbreviations

2216 Rev. 10/30/95



Scott Lesnick
Getinge Castle Inc.
1777 E. Henrietta Road
Rochester, NY 14623

Phone: (585) 272-5280
FAX: (585) 272-5033

Laboratory Analysis Report

For

Getinge Castle Inc.

LSL Project ID: 0509844

Receive Date/Time: 06/23/05 11:15

Project Received by: MAE

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody document submitted with these samples is considered by LSL to be an appendix of this report and may contain specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

Life Science Laboratories, Inc.

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16 N. Main St., PO Box 424
Wayland, NY 14572
Tel. (585) 728-3320
Fax (585) 728-2711
NYS DOH ELAP #11667

LSL Southern Tier Lab
30 East Main Street
Cuba, NY 14727
Tel. (585) 968-2640
Fax (585) 968-0906
NYS DOH ELAP #10760

LSL MidLakes Lab
699 South Main Street
Canandaigua, NY 14424
Tel. (585) 396-0270
Fax (585) 396-0377
NYS DOH ELAP #11369

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Information

This report was reviewed by:

Dr. K. Rao
Life Science Laboratories, Inc.

Date:

6/24/05

-- LABORATORY ANALYSIS REPORT --

Getinge Castle Inc. Rochester, NY

Sample ID: 01 LSL Sample ID: 0509844-001

Location:

Sampled: 06/23/05 9:20 Sampled By: SZ

Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(5) EPA 8260B Volatiles (Partial List)					
Trichloroethene	59	ug/l 1500		6/23/05	PRV
Surrogate (1,2-DCA-d4)	86	%R		6/23/05	PRV
Surrogate (Tol-d8)	98	%R		6/23/05	PRV
Surrogate (4-BFB)	99	%R		6/23/05	PRV

(5) Sampling Charge

Sampling Charge

Sample ID: 07 LSL Sample ID: 0509844-002

Location:

Sampled: 06/23/05 9:40 Sampled By: SZ

Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(5) EPA 8260B Volatiles (Partial List)					
Trichloroethene	70	ug/l 10		6/23/05	PRV
Surrogate (1,2-DCA-d4)	87	%R		6/23/05	PRV
Surrogate (Tol-d8)	101	%R		6/23/05	PRV
Surrogate (4-BFB)	94	%R		6/23/05	PRV

Sample ID: Trip Blank LSL Sample ID: 0509844-003

Location:

Sampled: 06/23/05 0:00 Sampled By:

Sample Matrix: TB

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(5) EPA 8260B Volatiles (Partial List)					
Trichloroethene	<0.5	ug/l		6/23/05	PRV
Surrogate (1,2-DCA-d4)	88	%R		6/23/05	PRV
Surrogate (Tol-d8)	100	%R		6/23/05	PRV
Surrogate (4-BFB)	92	%R		6/23/05	PRV

35' Bottom

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 LSL
SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

<u>Method</u>	<u>Surrogate(s)</u>	<u>Water Limits, %R</u>	<u>SHW Limits, %R</u>
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4, 4-BFB	80-120	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-D8PA	80-120	NA
EPA 601	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 602	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 608	DCB	30-150	NA
EPA 624	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8020	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8021	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Dodecane	40-110	40-110
DOH 310-14	Dodecane	40-110	40-110
DOH 310-15	Dodecane	40-110	40-110
DOH 310-34	4-BFB	50-150	50-150
DOH 313-4	DCB	NA	30-150
8015M_GRO	4-BFB	50-150	50-150
8015M_DRO	Terphenyl-d14	50-150	50-150

Units Key:	ug/l = microgram per liter
	ug/kg = microgram per kilogram
	mg/l = milligram per liter
	mg/kg = milligram per kilogram
	%R = Percent Recovery

75

LSL Finger Lakes I
16 N. Main St., PO 1
Wayland, NY 14572
Phone: 505-728-3020
Fax: 505-728-2711

Phone: 585-865-2640
Fax: 585-868-2640

LSL Midlakes

No. 2471 P. 5/5
 No. 2471 P. 5/5

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only:

samples: 50th C-00

215	Complaints missing:	Received In/act:	Y N
All areas of this Chain of Custody Record MUST be filled out in order to process samples in a timely manner N PEN ON Y/N			

Göttinge Castle-M



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Generated For:

Getinge USA, Inc.

For Lab Project ID

130191

Referencing

Ground Water Monitoring

on

Friday, January 18, 2013

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, consisting of a series of overlapping, slanted strokes, is positioned above a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 130191

Client: Getinge USA, Inc.

Project Reference: Ground Water Monitoring

Sample Identifier: MW01

Lab Sample ID: 130191-01

Matrix: Groundwater

Date Sampled: 1/14/2013

Date Received: 1/14/2013

Volatile Organics (Halogenated)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 50	ug/L		1/15/2013
1,1,2,2-Tetrachloroethane	< 50	ug/L		1/15/2013
1,1,2-Trichloroethane	< 50	ug/L		1/15/2013
1,1-Dichloroethane	< 50	ug/L		1/15/2013
1,1-Dichloroethene	< 50	ug/L		1/15/2013
1,2-Dichlorobenzene	< 50	ug/L		1/15/2013
1,2-Dichloroethane	< 50	ug/L		1/15/2013
1,2-Dichloropropane	< 50	ug/L		1/15/2013
1,3-Dichlorobenzene	< 50	ug/L		1/15/2013
1,4-Dichlorobenzene	< 50	ug/L		1/15/2013
2-Chloroethyl vinyl Ether	< 250	ug/L		1/15/2013
Bromodichloromethane	< 50	ug/L		1/15/2013
Bromoform	< 130	ug/L		1/15/2013
Bromomethane	< 50	ug/L		1/15/2013
Carbon Tetrachloride	< 50	ug/L		1/15/2013
Chlorobenzene	< 50	ug/L		1/15/2013
Chloroethane	< 50	ug/L		1/15/2013
Chloroform	< 50	ug/L		1/15/2013
Chloromethane	< 50	ug/L		1/15/2013
cis-1,2-Dichloroethene	58	ug/L		1/15/2013
cis-1,3-Dichloropropene	< 50	ug/L		1/15/2013
Dibromochloromethane	< 50	ug/L		1/15/2013
Methylene chloride	< 130	ug/L		1/15/2013
Tetrachloroethene	< 50	ug/L		1/15/2013

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 130191

Client: Getinge USA, Inc.

Project Reference: Ground Water Monitoring

Sample Identifier: MW01

Lab Sample ID: 130191-01

Matrix: Groundwater

Date Sampled: 1/14/2013

Date Received: 1/14/2013

trans-1,2-Dichloroethene	< 50	ug/L	1/15/2013
trans-1,3-Dichloropropene	< 50	ug/L	1/15/2013
Trichloroethene	5100	ug/L	1/15/2013
Trichlorofluoromethane	< 50	ug/L	1/15/2013
Vinyl chloride	< 50	ug/L	1/15/2013

Method Reference(s): EPA 8260B

EPA 5030

Data File: X03023.D

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Report Prepared Friday, January 18, 2013

Page 3 of 8

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 130191

Client: Getinge USA, Inc.

Project Reference: Ground Water Monitoring

Sample Identifier: MW07

Lab Sample ID: 130191-02

Matrix: Groundwater

Date Sampled: 1/14/2013

Date Received: 1/14/2013

Volatile Organics (Halogenated)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.0	ug/L		1/15/2013
1,1,2,2-Tetrachloroethane	< 2.0	ug/L		1/15/2013
1,1,2-Trichloroethane	< 2.0	ug/L		1/15/2013
1,1-Dichloroethane	< 2.0	ug/L		1/15/2013
1,1-Dichloroethene	< 2.0	ug/L		1/15/2013
1,2-Dichlorobenzene	< 2.0	ug/L		1/15/2013
1,2-Dichloroethane	< 2.0	ug/L		1/15/2013
1,2-Dichloropropane	< 2.0	ug/L		1/15/2013
1,3-Dichlorobenzene	< 2.0	ug/L		1/15/2013
1,4-Dichlorobenzene	< 2.0	ug/L		1/15/2013
2-Chloroethyl vinyl Ether	< 10	ug/L		1/15/2013
Bromodichloromethane	< 2.0	ug/L		1/15/2013
Bromoform	< 5.0	ug/L		1/15/2013
Bromomethane	< 2.0	ug/L		1/15/2013
Carbon Tetrachloride	< 2.0	ug/L		1/15/2013
Chlorobenzene	< 2.0	ug/L		1/15/2013
Chloroethane	< 2.0	ug/L		1/15/2013
Chloroform	< 2.0	ug/L		1/15/2013
Chloromethane	< 2.0	ug/L		1/15/2013
cis-1,2-Dichloroethene	9.7	ug/L		1/15/2013
cis-1,3-Dichloropropene	< 2.0	ug/L		1/15/2013
Dibromochloromethane	< 2.0	ug/L		1/15/2013
Methylene chloride	< 5.0	ug/L		1/15/2013
Tetrachloroethene	< 2.0	ug/L		1/15/2013

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 130191

Client: Getinge USA, Inc.

Project Reference: Ground Water Monitoring

Sample Identifier: MW07
Lab Sample ID: 130191-02
Matrix: Groundwater

Date Sampled: 1/14/2013
Date Received: 1/14/2013

trans-1,2-Dichloroethene	< 2.0	ug/L	1/15/2013
trans-1,3-Dichloropropene	< 2.0	ug/L	1/15/2013
Trichloroethene	44	ug/L	1/15/2013
Trichlorofluoromethane	< 2.0	ug/L	1/15/2013
Vinyl chloride	< 2.0	ug/L	1/15/2013

Method Reference(s): EPA 8260B
EPA 5030
Data File: X03022.D

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Report Prepared Friday, January 18, 2013

Page 5 of 8

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"V" = Sample concentration is >10 times the spike. No meaningful Spike Recovery can be calculated.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

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Report Prepared Thursday, January 17, 2013

Page 6 of 8

**Getinge Confidential
Information**

CHAIN OF CUSTODY



REPORT TO: INVOICE TO: **LAB PROJECT #:** 13091 **CLIENT PROJECT #:** 1082

COMPANY: Getinge USA, Inc. **ADDRESS:** 1777 West Henrietta Road **CITY:** Rochester **STATE:** NY **ZIP:** 14623 **PHONE:** 585-272-5280 **FAX:** 585-272-5033 **ATTN:** Scott Lesnick

TURNAROUND TIME: (WORKING DAYS) 1 2 3 4 5 **STD** **OTHER**

COMMENTS: scott.lesnick@getingeusa.com

Quotation #

Ground water monitoring

DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAINERS	cis-1,2-Dichloroethene	Trichloroethene	REPORT #	DATE/TIME	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	1/14/2013		X	MW01	GW	2	X	X	report #11	1/15/13		1082
2												
3	1/14/2013		X	MW07	GW	2	X	X				1082
4												
5												
6												
7												
8												
9												
10												

LAB USE ONLY: BELOW THIS LINE**
Sample Condition: Per NELAP/ELAP 210/241/242/243/244

Receipt Parameter

Container Type: Y ☐ N ☐

Preservation: Y ☐ N ☐

Holding Time: Y ☐ N ☐

Temperature: 6°C Y ☐ N ☐

Comments:

Sampled By: [Signature] **Date/Time:** 1/14/13 1605

Received By: [Signature] **Date/Time:** 1/14/13 1430

Received @ Lab By: [Signature] **Date/Time:** 1/14/13 1447

Total Cost:

P.I.F.



2092

Chain of Custody Supplement

Client: Getinge USA Completed by: m
Lab Project ID: 130191 Date: 1/14/13

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition		NELAC compliance with the sample condition requirements upon receipt		
		Yes	No	N/A
Container Type		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<hr/>			
Transferred to method-compliant container		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<hr/>			
Preservation		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<hr/>			
Chlorine Absent (<0.10 ppm per test strip)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	<hr/>			
Holding Time		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<hr/>			
Temperature		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<hr/> <div style="text-align: center;"><u>Refrigerated</u></div>			
Sufficient Sample Quantity		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<hr/>			



Stantec

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June 13, 2013

Mr. Kevin M. Hogan, Esq.
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3400 HSBC Center
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**Reference: Detention Pond Investigation Report
Getinge Sourcing LLC**
1777 East Henrietta Road
Rochester, New York

Dear Kevin:

Stantec Consulting Services Inc. (Stantec) is pleased to submit this detention pond investigation report for the above-referenced Site (see Figure 1).

Background

Stantec understands that a property/facility transaction is being pursued. To assist in that process, you have requested an investigation of the stormwater detention pond/basin area to assess the extent of impacts by volatile organic compounds in this area.

The Getinge Sourcing LLC site is 33.2± acres in size. The main manufacturing building is located near the center of the Site and a smaller Research and Development building is situated near the northern property line. Paved parking areas are situated around and between the buildings. The stormwater detention pond, which receives runoff from the Site as well as a portion of the adjacent East Henrietta Road, is located in the northeast corner of the Site. The attached Figure 1 depicts the Site and the current and past features discussed herein.

The Site is bounded on the north by a former Harris Garden Center which is being redeveloped with a hotel facility, Rochester Collision auto repair, and a Monroe Muffler auto repair facility. These past and/or current uses have the potential for historic or current use of petroleum products or hazardous substances. The Site is bounded on the east by East Henrietta Road and the Doubletree Inn Hotel beyond that; on the south by Interstate 390; and on the west by undeveloped land.

Our understanding of the Site is based on three reports you provided summarizing environmental investigations performed at the site in 1996 in connection with a proposed facility/property acquisition at that time; groundwater results from 2005 and 2013 groundwater sampling events involving two wells; utility and site drawings provided by Mr. Scott Lesnick, former Director, Facilities, Environmental Health & Safety; discussions with Mr. Tom Marlowe, Sr. Mgr. Facilities/EHS/OHSAS and our site visit. The investigations conducted previously provide a limited amount of geologic and laboratory analytical data for soil and groundwater samples at seven locations on site, but documented that volatile organic compound (VOC) impacts to soil and

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groundwater occurred in two locations from historical on-site treatment of wastewater containing degreasing solvents. Specifically, the VOCs trichloroethene (TCE) and cis-1,2-dichloroethene (cis-1,2-DCE) were detected in two groundwater monitoring wells (MW-1 and MW-7) at concentrations above groundwater standards. These well locations are depicted on the Figure 1.

A more detailed summary of the findings of the environmental investigations performed in 1996, 2005 and 2013 groundwater sampling results, and recent water line breaks are described below:

1. A process wastewater treatment plant (WWTP) was formerly located north of the main facility, near the northern property line. This facility reportedly treated water from a former metals plating operation in the main facility, and the plating area also contained a degreaser which used TCE. The WWTP contained two sand filter beds that may have been unlined and appear to have contained a network of drainage piping. Treated effluent from the WWTP was directed via underground terra cotta piping to an onsite detention pond located in the northeast corner of the property. The WWTP was operational from approximately 1954 to 1960, when it was demolished and removed.

Monitoring well MW-7 is located in the vicinity of the former WWTP sand filter beds. The test boring at this location encountered a 2-ft-thick layer of wet coarse sand between 4 and 6 ft. below ground surface (bgs). This indicates the filter bed material was likely not removed when the WWTP was decommissioned, but rather was left in place. It should be noted that the photoionization detector (PID) used during test drilling did not indicate VOC presence at that depth, but did indicate the presence of VOCs at 6-8 ft. and 12-14 ft. bgs. Analysis of soil samples from these two depth ranges indicated VOCs were present, but at levels below New York State Department of Environmental Conservation (NYSDEC) soil cleanup objectives (SCOs).

Groundwater sampling results from 1996 detected total VOCs at approximately 760 micrograms per liter (µg/L, equivalent to parts per billion) in monitoring well MW-7. In 2005, only TCE was evaluated and it was reported at a concentration of 70 µg/L. Groundwater sampling results from earlier this year indicated the total VOC concentration had decreased to 54 µg/L in this well. In both the 1996 and 2013 sampling events, TCE and cis-1,2-DCE were the only VOCs detected; however both were still present at levels above their 5 µg/L groundwater standards.

These results indicate that the use of the sand filter beds may have resulted in release of TCE to the subsurface; however, total VOC concentrations at MW-7 have dropped by an order of magnitude between 1996 and 2013. It is not known from the currently-available information if other areas of the WWTP, such as the sludge drying bed (Figure 1) or any of the system piping may also have been potential contaminant release points.

2. As indicated above, the WWTP discharged treated effluent via subsurface piping to the onsite detention pond, which is the subject of the current investigation. The detention pond also historically received and currently receives stormwater runoff from the Site and a portion of the adjacent East Henrietta roadway. The detention pond has an outlet that discharges to

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a pipe that runs eastward under East Henrietta Road to a detention pond located on the Doubletree Hotel property, and ultimately this runoff continues through a culvert piping system northward beneath Jefferson Road then further eastward.

A groundwater sample from monitoring well MW-1, located immediately north of the onsite pond (See Figure 1), in 1996 exhibited total VOC concentrations of 1,104 µg/L. The sample collected and analyzed in 2005 was reported to contain 59 ug/L of TCE, the only analyte that was evaluated at that time. The 2013 groundwater sample from this location showed total VOCs had increased from the 1996 concentration by nearly a factor of five to 5,158 µg/L. As with MW-7, TCE and cis-1,2-DCE were the only VOCs present in the MW-1 samples.

3. Mr. Tom Marlowe reported that a six-inch diameter water line that runs south to north between the two on-site buildings broke in December 2012 and again in February 2013. When it was repaired, Mr. Marlowe indicated there was a 14 ft. deep excavation that was full of water and sheets of water were observed flowing down the driveway towards East Henrietta Road. He further indicated that water consumption at the Site dropped by 20+/-% in the months following the repairs. This water would have likely been captured by storm water drainage inlets associated with the Site's driveway entrance. During a site visit this spring, it was apparent that large volumes of water had entered the detention basin as the vegetation situated at the mouth of the southerly inlet was all uniformly matted down in the direction pointing away from the inlet.
4. The three prior rounds of groundwater sampling results from MW-1 suggest that the effluent discharged from the WWTP contained TCE, and the TCE has apparently infiltrated downward from the detention basin into the water table. At this time, the reason for the significant increase in VOCs in well MW-1 between 1996 and 2013 is suspected to be related to the recent water line breaks and the resultant large volume of water that is suspected to have flushed contaminants out of the detention basin and into groundwater.

The current detention pond investigation was conducted to help determine the extent of the impacts associated with the elevated VOC concentrations at MW-1.

Field Program

The investigation program involved soil test borings, soil sampling, temporary monitoring well installation, water level measurements, groundwater sampling, surface water sampling, and well surveying.

Stantec retained appropriately qualified service providers for the drilling and laboratory analytical services necessary for the project. The subcontractors that were used included Nothnagle Drilling Inc. (Nothnagle) for the drilling program and TestAmerica Laboratories, Inc. (Test America), a New York State Department of Health accredited laboratory with current ELAP certification, for the analytical services.

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Stantec observed two days of drilling by Nothnagle, including the use of rotary hammer direct push methods within the detention basin on May 13, 2013 and use of a Geoprobe on May 14, 2013. A total of eight soil borings were conducted and four temporary monitoring wells were installed. Stantec conducted groundwater and surface water sampling and groundwater elevation measurements on May 21-22, 2013, a well survey on June 4, 2013, and a second round of groundwater elevation measurements on June 6, 2013.

Prior to initiating the drilling program, Nothnagle requested an Underground Facilities Protective Organization (UFPO) underground utilities stakeout to locate publicly owned utilities on the subject property and private utilities were cleared with the assistance of Mr. Marlowe.

Stantec provided on-site environmental supervision during all investigation activities. During drilling activities, soil samples were logged for stratigraphic characteristics using visual and manual methods, and field screening of the soils was performed with a calibrated PID for the presence of volatile organic vapors. At each soil test boring location, continuous soil samples were collected.

Borings B-8 through B-11 were installed within the detention basin with direct push methods using a hammer drill. B-8 and B-9 were installed approximately 10-15 ft. downgradient from the two inlets, situated on the west and south sides of the detention basin, respectively. The presence of standing water limited closer placement of the boring to the western inlet. B-10 was installed approximately 10-15 ft. upgradient from the outfall and B-11 was located in the approximate center of the detention basin. Depths in these borings ranged from approximately 6 to 8 ft.

Borings MW-12 through MW-15 were installed with direct push methods outside the detention basin using a Geoprobe. Borings MW-12 and MW-15 were installed near the detention basin inlets, MW-14 was installed near the basin outlet, and MW-13 was installed in the presumed downgradient location from previously installed well MW-1. Depths in these borings ranged from approximately 15 to 21 ft. Field notes were taken to document subsurface conditions, and test boring logs of each investigation location were prepared and are included in Appendix A. Boring locations are presented on Figure 2.

Soil samples were selected for laboratory analysis based on PID results (slightly elevated headspace measurements), odors, visual observations (i.e. staining, fill material, etc.), the presumed location of the water table, and/or to provide vertical definition of the potential presence of VOCs. Fourteen soil samples were selected for laboratory analysis from the borings. A summary of soil samples submitted for laboratory analyses is provided in Table 1. A discussion of the soil analytical program is presented below.

Temporary overburden monitoring wells were installed in four locations (see Figure 2). One-inch diameter monitoring wells were installed using direct push drilling methods to depths ranging from between 14.5 and 19 feet. Each temporary overburden monitoring well was constructed of one-inch diameter, schedule-40 PVC with 10-ft. long, 0.010-inch slot well screens. Well installation details are provided in Table 2. Groundwater elevations were measured at the newly installed wells and from previously installed monitoring well MW-1 on May 21, 2013 prior to purging and sampling (see Table 3). Groundwater samples were collected from these wells on May 21 and 22, 2013.

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Purging and sampling were conducted with dedicated polyethylene bailers and groundwater quality parameters were monitored during purging (see Tables 4 and 5). A discussion of the groundwater analytical results is found below. All previously existing and newly installed monitoring wells were surveyed on June 4, 2013. A second round of groundwater elevation measurements were collected on June 6, 2013. It was noted that the J-plugs were missing from MW-2 and MW-7, and the well housings were compromised at MW-2 and MW-7, which may have influenced groundwater elevations in these wells.

Surface water samples were collected from near the two inlets to the detention basin (C-SW-1,2-W) and from near the basin outlet (C-SW-3-W) on May 21, 2013 (see Table 5). Sampling was conducted by dipping a new glass jar in the surface water and pouring the water into the sample containers.

The soil and water samples were submitted to Test America for analysis. As detailed in Tables 6 through 8, the samples were submitted for one or both of the following analyses:

- US EPA Target Compound List (TCL) Volatile Organic Compounds (VOCs) plus Tentatively Identified Compounds (TICs) by US EPA Method 8260B; and
- 8 RCRA Metals by US EPA Method 6010/7471. (The RCRA metals were analyzed from select soil samples to assist in evaluating potential impacts from the former plating operation.)

Quality assurance/quality control (QA/QC) samples, including duplicates, matrix spike/matrix spike duplicates (MS/MSDs), and a trip blank were collected. With the exception of MW-15, Geoprobe test boring spoils appeared to be uncontaminated and thus spoils were spread on-site near the boring locations. Soils from MW-15 appeared to potentially have low level VOC impacts and were therefore placed in a drum that is being stored at the detention basin. Purge water was placed in a drum that is being stored at the detention basin.

Results

Groundwater Elevations

Groundwater elevations are shown on Table 3 and contoured on Figure 3. As shown on Figure 3, the direction of groundwater flow in the area of the detention basin is to the north-northeast. When the initial groundwater elevation measurements were reviewed following the well survey, due to tight soil conditions, it was apparent that the groundwater elevation in MW-14 had not fully recovered from the time the well was installed as it was two ft. lower than the nearby wells. As a result, a second round of groundwater elevation measurements were collected on June 6, 2013, at which time the groundwater elevation was in line with that of the other wells.

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Analytical Results

Analytical laboratory reports are contained in Appendix B. Soil and water sampling results are summarized in Tables 6 through 8. The soil results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Soil Cleanup Objectives (SCOs) for Industrial Use (IU) and for the Protection of Groundwater (POGW). IU SCOs are applicable because of the use of the site and POGW SCOs are applicable given the previously reported impacts to groundwater quality in MW-1. Groundwater and surface water results were respectively compared to Class GA and Class D Water Quality Standards provided in NYSDEC's Technical and Operational Guidance Series (TOGS) 1.1.1 (June 1998 and addenda).

Soils

There were no exceedances of IU or POGW SCOs for metals in any of the soil samples analyzed (see Table 6).

The only exceedance of SCOs for VOCs in the soil samples analyzed was an exceedance of the POGW SCO for acetone at B-8 at a depth of 1 -1.3 ft. below ground surface (bgs). Acetone was also detected in the groundwater near this location at MW-12; though the concentration was below groundwater standards (see Table 8). Acetone is used as a glassware cleaning reagent in many laboratories and as a result is often a lab artifact; however it was not reported as being present in the associated QA/QC blank samples and therefore it was not flagged as being a suspect laboratory artifact. Acetone can also appear during the reductive dechlorination process of chlorinated solvents such as TCE, or possibly be related to activities on-site. At this time its source is uncertain, however, given its localized presence and the absence of exceedances of groundwater standards, acetone does not appear to be a significant concern.

The only chlorinated VOC that was detected was a low level of TCE in a soil sample from boring B-8, which was collected downgradient from the westerly inlet at a depth of 5.5 – 6.0 ft. bgs. TCE was reported in this sample at 5.6 micrograms per kilogram ($\mu\text{g}/\text{kg}$), which is well below both the POGW and IU SCOs. However, this finding, in combination with the presence of acetone in this same location, may suggest that B-8 is located on the edge of the potential source of the TCE findings in MW-1.

Water

No VOCs were detected in the three surface water samples (C-SW-1, 2, and 3-W) (see Table 7).

In groundwater, monitoring well MW-1 was reported to contain elevated levels of TCE in both the original sample (C-MW1-W) and a duplicate sample (C-MW1-W/D) (2,700 and 2,900 $\mu\text{g}/\text{L}$, respectively) (see Table 8). These concentrations, while still elevated when compared to the 1996 and 2005 results, have dropped by 43+/-% relatively to the January 2013 results, suggesting the influx of water from the water line break may have mobilized contaminants which contributed to the higher results in January. Lower levels of the breakdown products of TCE were also reported at levels above NYSDEC groundwater standards, including cis- and trans-1,2-dichloroethene (cis-1,2-

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DCE and trans-1,2-DCE), and vinyl chloride. The presence of these compounds suggests that reductive dechlorination is occurring, resulting in the breakdown of the TCE into its daughter products.

TCE was also detected above NYSDEC standards at the wells near the detention basin outlet (MW-14) and downgradient from MW-1 (MW-13); however, TCE was reported at concentrations (5.4 and 14 µg/L, respectively) only slightly above the groundwater standard (5 µg/L). These concentrations are 2-3 orders of magnitude below those observed at MW-1 suggesting that the impacts at MW-1 are not migrating significant distances downgradient via groundwater. No chlorinated VOCs were detected at the two monitoring wells located near the inlets to the detention basin.

As previously discussed, a low level of acetone, well below its groundwater standard, was detected at MW-12, which is near the western inlet to the basin.

Conclusions and Recommendations

Stantec conducted a soil and groundwater investigation in the area of the detention basin in the northeast corner of the Site. Groundwater flow direction in the area of the detention basin was determined to be to the north-northeast.

The only exceedance of SCOs for VOCs was acetone at B-8 near the western inlet. Acetone was also detected in groundwater at nearby MW-12, though the concentration in groundwater was below groundwater standards suggesting it is not a significant concern. The only chlorinated VOC reported in the soil samples was a trace concentration of TCE also found at boring B-8 at a depth of 5.5-6.0 ft. bgs. The western inlet is understood to have received the effluent from the former WWTP when it was operational.

No RCRA metals were reported above SCOs and no VOCs were detected in the surface water samples.

Elevated concentrations of VOCs in groundwater were reported at MW-1, where TCE was detected at 2,900 µg/L; 1,2-DCE was detected at 35.9 µg/L; and vinyl chloride was detected at 2.2 µg/L; all of which were above groundwater standards. Slight exceedances of groundwater standards for TCE were identified downgradient of the detention basin and MW-1, at MW-14 and MW-13, respectively.

The combination of: (1) the absence of detections of chlorinated VOCs in soil samples with the exception of B-8; and (2) the presence of acetone, which can be an artifact of the reductive dechlorination of TCE, at B-8 and nearby MW-12; suggests the source of the MW-1 findings may be laterally quite localized. The north-northeast groundwater flow pattern places B-8, MW-12 and the western detention basin inlet upgradient from MW-1, which suggests the source of the findings in MW-1 may reside below the scour pool at the western inlet to the detention basin. Since this location was full of water, it could not be accessed to be drilled during this investigation.

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Given the timing of the January sampling event relative to the first water line break which reportedly occurred in December 2012, the significant increase in VOCs in well MW-1 between 1996 and 2013 is likely related to the water line break and the resultant volume of water that is suspected to have flushed contamination out of the detention basin soils and into groundwater. Although the total VOC concentration in MW-1 remains elevated, when the May 2013 results are compared to the total VOC concentration reported in January 2013, a 43% decrease has occurred. This reduction in contaminant levels between January and May 2013 suggests that the flushing effects from the water line breaks have started to attenuate.

Low level VOC groundwater impacts downgradient from the basin and MW-1 suggest that concentrations quickly diminish laterally in the shallow groundwater. Therefore, although VOC concentrations may slightly exceed standards in groundwater exiting the site, it is not likely they have traveled significant distances in the shallow groundwater zone.

In summary, based on the absence of significant impacts at the locations investigated during this program, it appears that the source of the impacts found in MW-1 may be quite localized. Further investigation focused in and around the western inlet to the detention basin and the area to the north-northeast around MW-1, would be required to refine the current understanding of the source and the extent of the impacts. In addition, investigation at greater depths will be required given the density of TCE, which is greater than water and therefore results in the potential for TCE to migrate vertically. With the completion of those investigations, a remedial program could be developed to address the source of the impacts in MW-1.

Closing

Should you have any questions, or require further information, please contact me.

Very truly yours,
STANTEC CONSULTING SERVICES INC.



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Managing Principal
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Attachments:

Figures

- 1 – Key Existing and Former Site Features
- 2 – Sample Location Map
- 3 – Groundwater Elevation Contour Map, June 6, 2013

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Tables

- 1 – Soil Sample Summary
- 2 – Monitoring Well Completion Summary
- 3 – Water Level Summary
- 4 – Summary of Groundwater Field Parameters
- 5 – Water Sample Summary
- 6 – Summary of Soil Analytical Results
- 7 – Summary of Surface Water Analytical Results
- 8 – Summary of Groundwater Analytical Results

Appendices

- A – Soil Boring Logs and Monitoring Well Construction Logs
- B – Laboratory Analytical Reports

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Legend

Monitoring Wells

Estimated Location of Former WWTP and Sand Filter Beds

Site



Geographic Information Systems

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Figure 1 - Key Existing and Former Site Features
 DETENTION POND INVESTIGATION REPORT
 GETINGE SOURCING LLC, 1777 E. HENRIETTA RD., ROCHESTER, NY

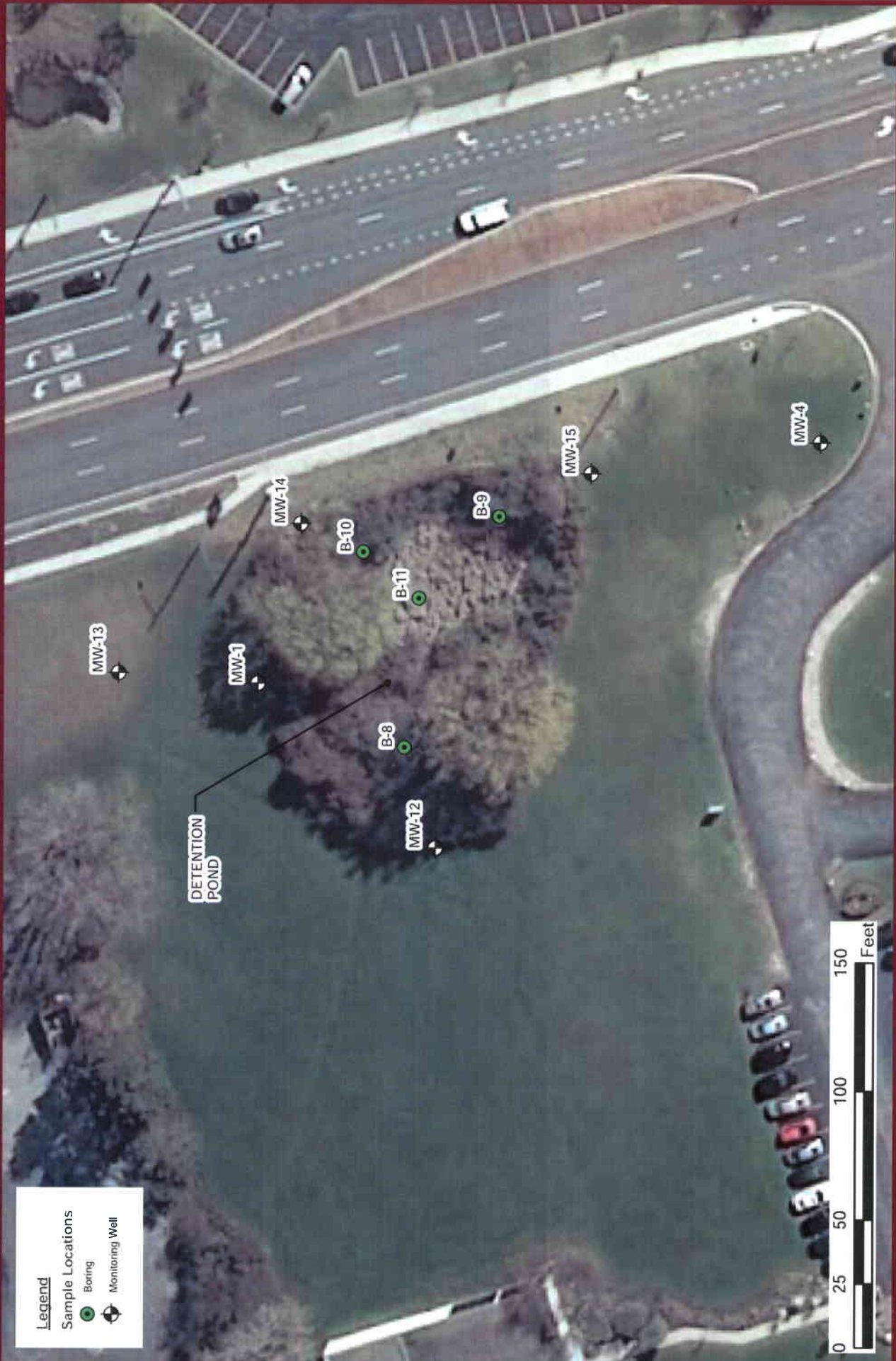
Source: Esri, DigitalGlobe, GeoEye, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, and
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Legend

Sample Locations

Boring

Monitoring Well



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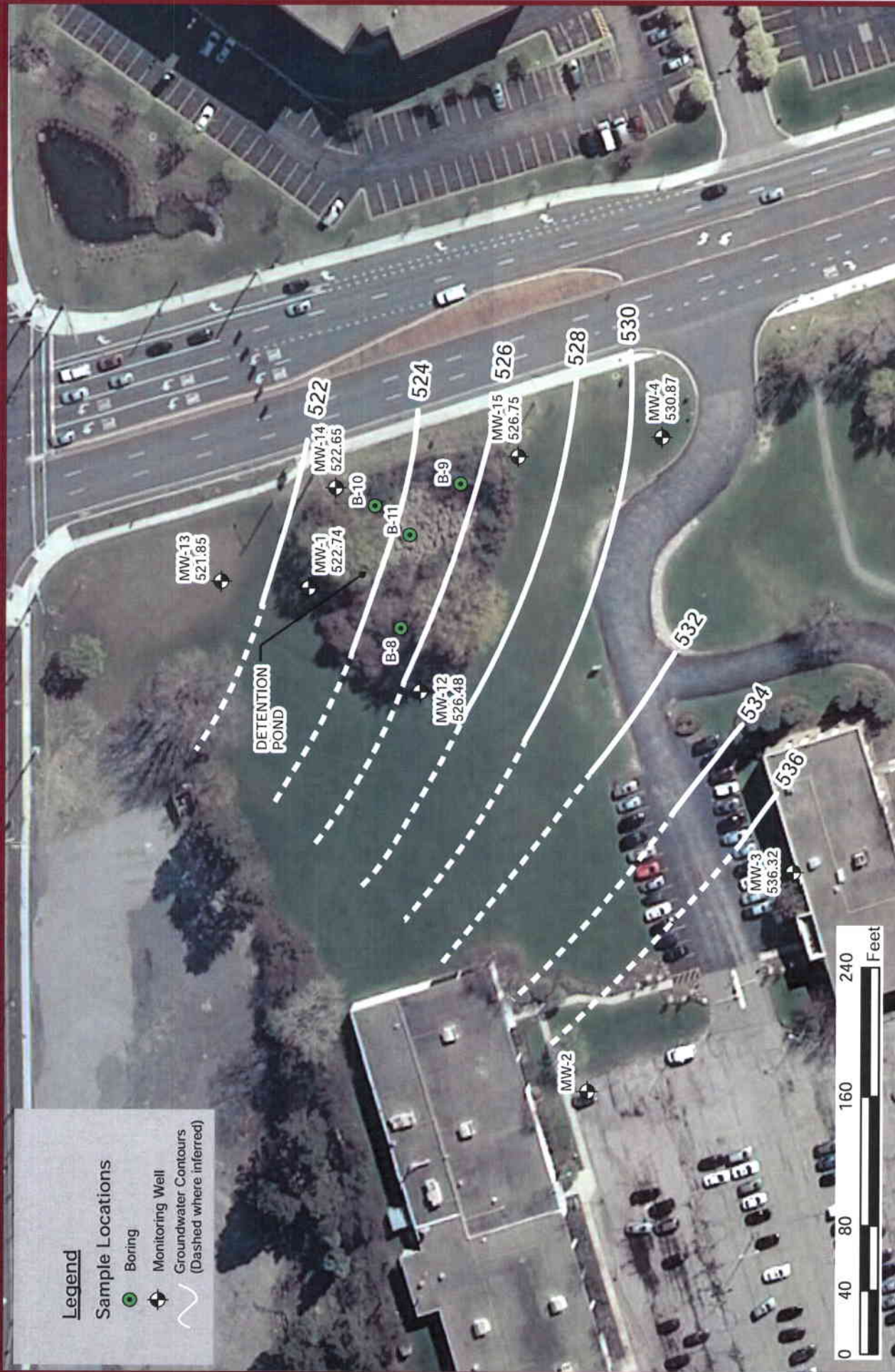
Figure 2 - Sample Location Map
 DETENTION POND INVESTIGATION REPORT
 GETINGE SOURCING LLC
 1777 E. HENRIETTA RD., ROCHESTER, NY

Document Path: U:\190500772\drawing\Aerial Images\Figure 2 - Sample Location Map.mxd

Legend

Sample Locations

-  Boring
-  Monitoring Well
-  Groundwater Contours
(Dashed where inferred)



Geographic Information Systems

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Document Path: U:\190500772\drawing\acrial images\Figure 3 - Groundwater Elevation Contour Map May 21 2008 - Working.mxd

Figure 3 - Groundwater Elevation
Contour Map, June 6, 2013
DETENTION POND INVESTIGATION REPORT
GETINGE SOURCING LLC
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Table 1

Soil Sample Summary

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Getinge Sourcing LLC

1777 East Henrietta Road, Rochester, New York

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Location Type	Sample Location	Sample Type	Sample Identification	Sample Date	Depth (feet below ground surface)	Analysis Completed	
						TCL VOCs + TICs by EPA Method 8260B	RCRA Metals by Methods 6010B/7471A
Soil Boring	B-8		C-B8-S	5/13/2013	1 - 1.3	X	
Soil Boring	B-8	MS/MSD	C-B8-S2 (MS/MSD)	5/13/2013	4 - 5		X
Soil Boring	B-8		C-B8-S3	5/13/2013	5.5 - 6	X	
Soil Boring	B-9	MS/MSD	C-B9-S (MS/MSD)	5/13/2013	1.7 - 2.3	X	X
Soil Boring	B-9		C-B9-S2	5/13/2013	5.5 - 6	X	
Soil Boring	B-10		C-B10-S	5/13/2013	4 - 6	X	X
Soil Boring	B-11		C-B11-S	5/13/2013	0.2 - 0.4	X	
Soil Boring	B-11	Duplicate	C-B11-S/D	5/13/2013	0.2 - 0.4	X	
Soil Boring	B-11		C-B11-S2	5/13/2013	0.4 - 1.2		X
Soil Boring	B-11	Duplicate	C-B11-S2/D	5/13/2013	0.4 - 1.2		X
Soil Boring	B-11		C-B11-S3	5/13/2013	5.4 - 5.8	X	
Soil Boring	B/MW-12		C-B12-S	5/14/2013	9.8 - 10.4	X	X
Soil Boring	B/MW-13		C-B13-S	5/14/2013	5.6 - 6.5	X	X
Soil Boring	B/MW-14		C-B14-S	5/14/2013	6.8 - 7.3	X	X
Soil Boring	B/MW-15		C-B15-S	5/14/2013	10.8 - 11.2	X	X
Soil Boring	B/MW-15		C-B15-S2	5/14/2013	17.5 - 18	X	

Notes:

EPA
MS/MSD
RCRA
TCL
TICs
VOCs

United States Environmental Protection Agency
Matrix Spike/Matrix Spike Duplicate
Resource Conservation and Recovery Act
Target Compound List
Tentatively Identified Compounds
Volatile Organic Compounds

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Tables 1 and 5 - Sample Summary Tables.xlsx

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Table 2
Monitoring Well Completion Summary
Detention Pond Investigation
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1777 East Henrietta Road, Rochester, New York

Well ID	Installation Date	Northing (NAD83)	Easting (NAD83)	Ground Elevation (ft AMSL)	TOIC Elevation (ft AMSL)	Well Diameter (in)	Total Depth (ft bgs)	Screen Interval (ft bgs)	Sand Interval (ft bgs)	Bentonite Interval (ft bgs)
MW-1*	4/25/1996	1126113.73	1408442.44	531.49	531.26	2.0	19.2	5.2 - 19.2	NR	NR
MW-2*	4/23/1996	1125939.247	1408131.801	545.669	544.9917	2.0	21.5	6.5 - 21.5	NR	NR
MW-3*	4/23/1996	1125811.434	1408267.67	546.518	546.456	2.0	20.0	10.0 - 20.0	NR	NR
MW-4*	4/22/1996	1125894.024	1408536.135	535.5054	535.3167	2.0	15.0	5.0 - 15.0	NR	NR
MW-5*	4/19/1996	1125059.84	1408055.858	551.5275	551.5038	2.0	25.2	15.2 - 25.2	NR	NR
MW-6*	4/19/1996	1125576.011	1407661.766	547.6415	547.2469	2.0	33.4	23.4 - 33.4	NR	NR
MW-7*	4/23/1996	1125955.751	1407805.939	546.2704	546.0249	2.0	18.2	8.2 - 18.2	NR	NR
MW-12	5/13/2013	1126044.22	1408378.45	533.90	533.64	1.0	18.5	8.5 - 18.5	5 - 18.5	0 - 5
MW-13	5/13/2013	1126168.30	1408446.36	526.97	526.66	1.0	14.5	4.5 - 14.5	3 - 15	0 - 3
MW-14	5/14/2013	1126097.31	1408504.28	530.83	530.60	1.0	16.0	6 - 16	1 - 18	0 - 1
MW-15	5/14/2013	1125983.82	1408523.77	533.87	533.64	1.0	19.0	9 - 19	8 - 21	0 - 8

Notes:

- * Well installed during Phase III Investigation conducted by ENVIRON Corporation in May 1996
- ft AMSL Feet above mean sea level (NAVD 88)
- ft bgs Feet below ground surface
- in Inches
- MW Monitoring well
- NR Not reported

Table 3
Water Level Summary
Detention Pond Investigation
Getinge Sourcing LLC
1777 East Henrietta Road, Rochester, New York

Privileged and Confidential
Attorney Client Work Product

Well ID	Ground Elevation (ft AMSL)	TOIC Elevation (ft AMSL)	May 21, 2013		June 6, 2013	
			Water Level (ft BTOIC)	Water Elevation (ft AMSL)	Water Level (ft BTOIC)	Water Elevation (ft AMSL)
MW-1	531.49	531.26	8.31	522.95	8.52	522.74
MW-2	545.669	544.9917	---	---	8.50 ^a	536.49
MW-3	546.518	546.456	---	---	10.14	536.32
MW-4	535.5054	535.3167	---	---	4.45	530.87
MW-5	551.5275	551.5038	---	---	3.23	548.27
MW-6	547.6415	547.2469	---	---	5.43	541.82
MW-7	546.2704	546.0249	---	---	7.25 ^a	538.77
MW-12	533.90	533.64	9.20	524.44	7.16	526.48
MW-13	526.97	526.66	5.13	521.53	4.81	521.85
MW-14	530.83	530.60	10.08*	520.52*	7.95	522.65
MW-15	533.87	533.64	7.08	526.56	6.89	526.75

Notes:

- * The water level in MW-14 on May 21, 2013 may not have stabilized prior to measurement, thus the elevation may be artificially low.
- ft AMSL Feet above mean sea level (NAVD 88)
- ft BTOIC Feet below top of inner casing
- TOIC Top of inner casing
- Not measured
- ^a J-Plugs were not present on wells, therefore, water levels may be influenced by surface water runoff.

Table 4
Summary of Groundwater Field Parameters
 Detention Pond Investigation
 Getinge Sourcing LLC
 1777 East Henrietta Road, Rochester, New York

Privileged and Confidential
 Attorney Client Work Product

Sample Location		MW-1	MW-12	MW-13	MW-14	MW-15
Sample Date		21-May-13	21-May-13	21-May-13	21-May-13	21-May-13
Purge Methodology		Volumetric	Volumetric	Volumetric	Volumetric	Volumetric
Purge Method		Bailer	Bailer	Bailer	Bailer	Bailer
Sampling Method		Bailer	Bailer	Bailer	Bailer	Bailer
Field Parameters	Units					
Conductivity	µS	2,233	1,890	1,180	4,072	3,532
pH	S.U.	6.87	7.08	6.86	6.72	6.91
Temperature	deg c	10.9	13.8	13.3	11.8	13.3
Turbidity	NTU	> 1,000	>1,000	>1,000	>1,000	>1,000

Notes:

deg c degrees Celsius
 µS microSiemens
 NTU nephelometric turbidity unit
 S.U. standard units
 MW monitoring well

Table 5
Water Sample Summary
 Detention Pond Investigation
 Getinge Sourcing LLC
 1777 East Henrietta Road, Rochester, New York

Privileged and Confidential
 Attorney Client Work Product

Location Purpose	Sample Location	Sample Type	Sample Identification	Sample Date	Analysis Completed
					TCL VOCs + TICs by EPA Method 8260B
QA/QC	N/A	Trip Blank	C-TripBlank-052113-W	5/21/2013	X
Surface Water	SW-1	MS/MSD	C-SW1-W (MS/MSD)	5/21/2013	X
Surface Water	SW-2		C-SW2-W	5/21/2013	X
Surface Water	SW-3		C-SW3-W	5/21/2013	X
Monitoring Well	MW-15		C-MW15-W	5/21/2013	X
Monitoring Well	MW-12		C-MW12-W	5/21/2013	X
Monitoring Well	MW-13		C-MW13-W	5/21/2013	X
Monitoring Well	MW-1		C-MW1-W	5/21/2013	X
Monitoring Well	MW-1	Duplicate	C-MW1-W/D	5/21/2013	X
Monitoring Well	MW-14		C-MW14-W	5/22/2013	X

Notes:

EPA	United States Environmental Protection Agency
MS/MSD	Matrix Spike/Matrix Spike Duplicate
N/A	Not applicable
TCL	Target Compound List
TICs	Tentatively Identified Compounds
VOCs	Volatile Organic Compounds

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 Information

Table 5
Summary of Soil Analytical Results

[illegible][illegible]

Table 7
Summary of Surface Water Analytical Results
Detention Pond Investigation
Getinge Sourcing LLC

1777 East Henrietta Road, Rochester, New York

Privileged and Confidential
Attorney Client Work Product

Sample Location	C-SW-1-W 21-May-13	C-SW-2-W 21-May-13	C-SW-3-W 21-May-13
Sample Date	C-SW-1-W	C-SW-2-W	C-SW-3-W
Sample ID	STANTEC	STANTEC	STANTEC
Sampling Company	TAAM	TAAM	TAAM
Laboratory	480387871	480387871	480387871
Laboratory Work Order	480387872	480387873	480387874
Laboratory Sample ID	Units	TOGS	
Volatile Organic Compounds			
Acetone	µg/L	nV	10 U
Acrylonitrile	µg/L	nV	50 U
Benzene	µg/L	10 ^a	10 U
Bromodichloromethane	µg/L	nV	10 U
Bromofom (Tribromomethane)	µg/L	nV	10 U
Bromomethane (Methyl bromide)	µg/L	nV	10 U
Carbon Disulfide	µg/L	nV	10 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	nV	10 U
Chlorobenzene (Monochlorobenzene)	µg/L	50 ^a	10 U
Chlorobromomethane	µg/L	nV	10 U
Chloroethane (Ethyl Chloride)	µg/L	nV	10 U
Chloroform (Trichloromethane)	µg/L	nV	10 U
Chloromethane	µg/L	nV	10 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	nV	10 U
Dibromochloromethane	µg/L	nV	10 U
Dibromomethane (Methylene Bromide)	µg/L	nV	10 U
Dichlorobenzene, 1,2-	µg/L	^a	10 U
Dichlorobenzene, 1,4-	µg/L	^a	10 U
Dichlorobutene, trans-1,4-	µg/L	nV	50 U
Dichloroethane, 1,1-	µg/L	nV	10 U
Dichloroethane, 1,2-	µg/L	nV	10 U
Dichloroethane, 1,1-	µg/L	nV	10 U
Dichloroethylene, cis-1,2-	µg/L	nV	10 U
Dichloroethylene, trans-1,2-	µg/L	nV	10 U
Dichloropropane, 1,2-	µg/L	nV	10 U
Dichloropropene, cis-1,3-	µg/L	nV	10 U
Dichloropropene, trans-1,3-	µg/L	nV	10 U
Ethylbenzene	µg/L	150 ^a	10 U
Ethylene Dibromide (Dibromomethane, 1,2-)	µg/L	nV	10 U
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	nV	50 U
Iodomethane	µg/L	nV	10 U
Methyl Ethyl Ketone (MEK)	µg/L	nV	50 U
Methyl Isobutyl Ketone (MIBK)	µg/L	nV	10 U
Methylene Chloride (Dichloromethane)	µg/L	200 ^a	10 U
Styrene	µg/L	nV	10 U
Tetrachloroethane, 1,1,1,2-	µg/L	nV	10 U
Tetrachloroethane, 1,1,2,2-	µg/L	nV	10 U
Tetrachloroethylene (PCE)	µg/L	1 ^a	10 U
Toluene	µg/L	480 ^a	10 U
Trichloroethane, 1,1,1-	µg/L	nV	10 U
Trichloroethane, 1,1,2-	µg/L	nV	10 U
Trichloroethylene (TCE)	µg/L	40 ^a	10 U
Trichlorofluoromethane (Freon 11)	µg/L	nV	10 U
Trichloropropane, 1,2,3-	µg/L	nV	10 U
Vinyl Acetate	µg/L	nV	50 U
Vinyl chloride	µg/L	nV	10 U
Xylenes, Total	µg/L	590 ^a	20 U
Volatile Tentatively Identified Compounds			
Stanol, trimethyl-	µg/L	nV	5.7 T J N
Total VOC TICs	µg/L	nV	3.4 T J N
			2.7 T J N

Notes:

TOGS
NYSDEC TOGS 1 1 1 October 22, 1993 (Reissued June 1998 with errata in January 1999 and addenda in April 2000 and June 2004) Ambient Water Quality Standards and Guidance Values, Division of Water Technical and Operational Guidance Series

A
TOGS 1 1 1 - Table 1 - Class D

6.5^a
Concentration exceeds the indicated standard

15.2
Concentration was detected but did not exceed applicable standards

0.50 U
Laboratory estimated quantitation limit exceeded standard

0.03 U
The analyte was not detected above the laboratory estimated quantitation limit

nV
No standard/guideline value

-
Parameter not analyzed / not available

x
Applies to the sum of 1,2-, 1,3- and 1,4-dichlorobenzene (50 µg/L)

y
Applies to the sum of 1,2-, 1,3- and 1,4-Xylene

J
Indicates estimated value

N
Presumptive evidence of material

T
Result is a tentatively identified compound (TIC) and an estimated value

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U:\190500772\report\Detention Pond Investigation-May 2013\Tables\20130604 - 190500772 - May 2013 GW and SW Data_Tables 7 and 8- LB.xlsx

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190500772
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Table 8
Summary of Groundwater Analytical Results
 Detention Pond Investigation
 Getinge Sourcing LLC
 1777 East Henrietta Road, Rochester, New York

Privileged and Confidential
 Attorney Client Work Product

Sample Location			C-MW1-W		C-MW12-W	C-MW13-W	C-MW14-W	C-MW15-W	TRIP BLANK
Sample Date			21-May-13	21-May-13	21-May-13	21-May-13	22-May-13	21-May-13	21-May-13
Sample ID			C-MW1-W	C-MW1-W/D	C-MW12-W	C-MW13-W	C-MW14-W	C-MW15-W	C-TRIP BLANK-052113-W
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TAAM	TAAM	TAAM	TAAM	TAAM	TAAM	TAAM
Laboratory Work Order			480387871	480387871	480387871	480387871	480387871	480387871	480387871
Laboratory Sample ID			480-38787-8	480-38787-8	480-38787-6	480-38787-7	480-38787-10	480-38787-5	480-38787-1
Sample Type	Units	TOGS	Field Duplicate						Trip Blank
Volatile Organic Compounds									
Acetone	µg/L	50 ^A	10 U	10 U	13	10 U	10 U	10 U	10 U
Acrylonitrile	µg/L	5 ^B	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	µg/L	1 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	µg/L	50 ^A	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform (Tribromomethane)	µg/L	50 ^A	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane (Methyl bromide)	µg/L	5 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	µg/L	80 ^A	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene (Monochlorobenzene)	µg/L	5 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobromomethane	µg/L	5 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane (Ethyl Chloride)	µg/L	5 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	µg/L	7 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	µg/L	5 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04 ^B	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	50 ^A	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromomethane (Methylene Bromide)	µg/L	5 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,2-	µg/L	3 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	µg/L	3 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobutene, trans-1,4-	µg/L	nV	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dichloroethane, 1,1-	µg/L	5 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethane, 1,2-	µg/L	0.6 ^B	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethane, 1,1-	µg/L	5 ^B	11	13	10 U	10 U	10 U	10 U	10 U
Dichloroethylene, cis-1,2-	µg/L	5 ^B			10 U	27	13	10 U	10 U
Dichloroethylene, trans-1,2-	µg/L	5 ^B			10 U	10 U	10 U	10 U	10 U
Dichloropropane, 1,2-	µg/L	1 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3-	µg/L	0.4 ^B	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloropropene, trans-1,3-	µg/L	0.4 ^B	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	5 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylene Dibromide (Dibromomethane, 1,2-)	µg/L	0.0006 ^B	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50 ^A	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Iodomethane	µg/L	5 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Ethyl Ketone (MEK)	µg/L	50 ^A	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone (MIBK)	µg/L	nV	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Methylene Chloride (Dichloromethane)	µg/L	5 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	µg/L	5 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethane, 1,1,1,2-	µg/L	5 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethane, 1,1,2,2-	µg/L	5 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethylene (PCE)	µg/L	5 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	µg/L	5 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethane, 1,1,1-	µg/L	5 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethane, 1,1,2-	µg/L	1 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethylene (TCE)	µg/L	5 ^B	2700 ^B	2900 ^B	10 U	14 ^B	5.4 ^B	10 U	10 U
Trichlorofluoromethane (Freon 11)	µg/L	5 ^B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloropropane, 1,2,3-	µg/L	0.04 ^B	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Acetate	µg/L	nV	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/L	2 ^B		10 U	10 U	10 U	10 U	10 U	10 U
Xylenes, Total	µg/L	5 ^B	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Volatile Tentatively Identified Compounds									
1-Penten-3-yne	µg/L	nV	22 T J N	-	-	-	-	-	-
Isopropyl alcohol	µg/L	nV	-	-	-	-	-	-	33
Phosphine, ethyl-	µg/L	nV	-	22 T J N	-	-	-	-	-
Silanol, trimethyl-	µg/L	nV	-	-	33 T J N	-	-	-	-
Total VOC TICs	µg/L	nV	22	22	33	ND	ND	ND	ND

Notes:

TOGS	NYSDEC TOGS 1.1.1 (Reissued June 1998 with errata in January 1999 and addenda in April 2000 and June 2004)
A	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Guidance
B	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Standards
5.5 ^B	Concentration exceeds the indicated standard
15.2	Concentration was detected but did not exceed applicable standards
0.50 U	Laboratory estimated quantitation limit exceeded standard
0.03 U	The analyte was not detected above the laboratory estimated quantitation limit
nV	No standard/guideline value
-	Parameter not analyzed / not available
-	The principal organic contaminant standard for groundwater of 5 µg/L (described elsewhere in the TOGS table) applies to this substance
p	Applies to the sum of cis- and trans-1,3-dichloropropene
E	Result exceeded calibration range
J	Indicates estimated value
N	Presumptive evidence of material
T	Result is a tentatively identified compound (TIC) and an estimated value

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APPENDICES

Appendix A



61 Commercial St
Rochester, NY 14614
(585) 475-1440

Test Boring No.: B-8

Project:	<u>Getinge</u>	Drill Contractor:	<u>Nothnagle</u>	Start Date:	<u>5/13/2013</u>
Project #:	<u>190500772</u>	Driller:	<u>Jeff Schwitzer</u>	Completion Date:	<u>5/13/2013</u>
Client:	<u>Getinge</u>	Elevation:		Drilling Method:	<u>Hammer drill powered direct push</u>
Location:	<u>1777 E. Henrietta Rd</u>	Weather:	<u>Partly Cloudy, 40s°F</u>	Supervisor:	<u>S. Reynolds Smith</u>
	<u>Rochester, NY</u>				

0	SAMPLE				Soil Information	
	PID	Rec.	No.	Depth	Remarks	
		2.1	1	0-4	Topsoil - silty, roots, wet	0.2
	0.6				Black silt and fine gravel, roots, wet	0.6
	6.4				Dark gray fine gravel with some silt, wet	1
					Dark gray clayey silt, possible petroleum product odor, wet	1.3
	0				Brown clayey silt, wet	2.1
					No recovery	
						4
		2.5	2	4-6.5	Brown clayey silt, little medium gravel, moist	
5	0.2					
	0.5					
		1.5	3	6.5-8		7
					Reddish brown clayey silt/fine sand, little medium gravel, moist	
	0.2				Bottom of hole at 8'	8
10						
15						
20						

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Notes:
1. PID Model Mini-Rae 2000 with 10.6eV lamp.



61 Commercial St
Rochester, NY 14614
(585) 475-1440

Test Boring No.: B-9

Project:	<u>Getinge</u>	Drill Contractor:	<u>Nothnagle</u>	Start Date:	<u>5/13/2013</u>
Project #:	<u>190500772</u>	Driller:	<u>Jeff Schwitzer</u>	Completion Date:	<u>5/13/2013</u>
Client:	<u>Getinge</u>	Elevation:		Drilling Method:	<u>Hammer drill powered direct push</u>
Location:	<u>1777 E. Henrietta Rd</u>	Weather:	<u>Partly Cloudy, 40s°F</u>	Supervisor:	<u>S. Reynolds Smith</u>
	<u>Rochester, NY</u>				

0	SAMPLE				Soil Information
	PID	Rec.	No.	Depth	Remarks
		2.3	1	0-4	Dark brown silty topsoil, dry 0.3
					Dark brown silt, trace clay, moist 1
					Brown coarse sand and fine gravel, wet 1.7
	0				
	12				Dark brown fine gravel, possible sheen, odor (probably petroleum product), wet 2.3
					No recovery
					4
		2	2	4-6	Brown clayey silt, little fine to medium gravel, moist
5	0.2				
	0.4				End of hole at 6' 6
10					
15					
20					

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Notes:

1. PID Model Mini-Rae 2000 with 10.6eV lamp.



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61 Commercial St
Rochester, NY 14614
(585) 475-1440

Test Boring No.: B-10

Project:	Getinge	Drill Contractor:	Nothnagle	Start Date:	5/13/2013
Project #:	190500772	Driller:	Jeff Schwitzer	Completion Date:	5/13/2013
Client:	Getinge	Elevation:		Drilling Method:	Hammer drill powered direct push
Location:	1777 E. Henrietta Rd Rochester, NY	Weather:	Partly Cloudy, 40s°F	Supervisor:	S. Reynolds Smith

0	SAMPLE				Soil Information Remarks	
	PID	Rec.	No.	Depth		
		3.4	1	0-4	Dark brown to brown peatey topsoil, wet	0.2
					Brown silt, some black and yellow mottling, moist	
	0.3					1.2
					Reddish brown clayey silt, little medium gravel, trace coarse gravel, moist	
	0.2					3.4
					No recovery	
5		2	2	4-6	Reddish brown clayey silt, trace fine gravel, little yellow mottling, moist	
	0.2					6
		2.5	3	6-8	As above grading to reddish brown clayey fine sand/silt, few fine to medium gravel, moist	
	0.3				Bottom of hole at 8'	8
10						
15						
20						

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Notes:

1. PID Model Mini-Rae 2000 with 10.6eV lamp.



Start Date: 5/13/2013
Completion Date: 5/13/2013
Drilling Method: Hammer drill powered direct push
Supervisor: S. Reynolds Smith

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Stantec

**61 Commercial St
Rochester, NY 14614
(585) 475-1440**

Test Boring No.: B/MW-12

Project:	Getinge	Drill Contractor:	Nothnagle	Start Date:	5/14/2013
Project #:	190500772	Driller:	Jeff Schwitzer	Completion Date:	5/14/2013
Client:	Getinge	Elevation:		Drilling Method:	Geoprobe
Location:	1777 E. Henrietta Rd Rochester, NY	Weather:	Mostly sunny, 40s°F	Supervisor:	S. Reynolds Smith

0	SAMPLE				Soil Information
	PID	Rec.	No.	Depth	Remarks
		3.4	1	0-4	Brown silt, trace clay, roots at 0'-0.5', dry
	0				
	0.2				
		3.5	2	4-8	
5					5.1
	0.3				Orangish-brown clayey fine sand and silt, dry
					6.2
					Reddish brown fine sand/silt, moist
					6.6
					Yellow silty clay, dry
					6.9
	0				Reddish brown clayey silt/fine sand, trace fine gravel, orange mottling, moist
					8
	0.1	2.4	3	8-12	Reddish brown clayey silt, trace fine to medium gravel, moist
10	0				
		>2	4	12-14	
	0.2				
		>2	5	14-16	
15					14.4
					Purplish brown clayey silt, trace fine to medium gravel, moist
	0.1				
		2.5	6	16-18.5	
					16.8
					Purplish brown clayey fine sand, little fine to medium gravel, moist-wet
					18.2
	0				Purplish brown silt, trace clay, moist
					18.5
					Bottom of hole at 18.5'
20					

Notes:

1. PID Model Mini-Rae 2000 with 10.6eV lamp.

**Getinge Confidential
Information**



Stantec

OVERBURDEN MONITORING WELL

DESIGN DETAILS

PROJECT NAME Getinge
PROJECT NUMBER 190500772
CLIENT Getinge
LOCATION 1777 E. Henrietta Rd
Rochester, NY

HOLE DESIGNATION MW-12
DATE COMPLETED 5/14/2013
DRILLING METHOD Geoprobe
SUPERVISOR S. Reynolds Smith

NOTE:

ALL DIMENSIONS ARE
BELOW GROUND SURFACE (BGS)

SURFACE SEAL TYPE flushmount

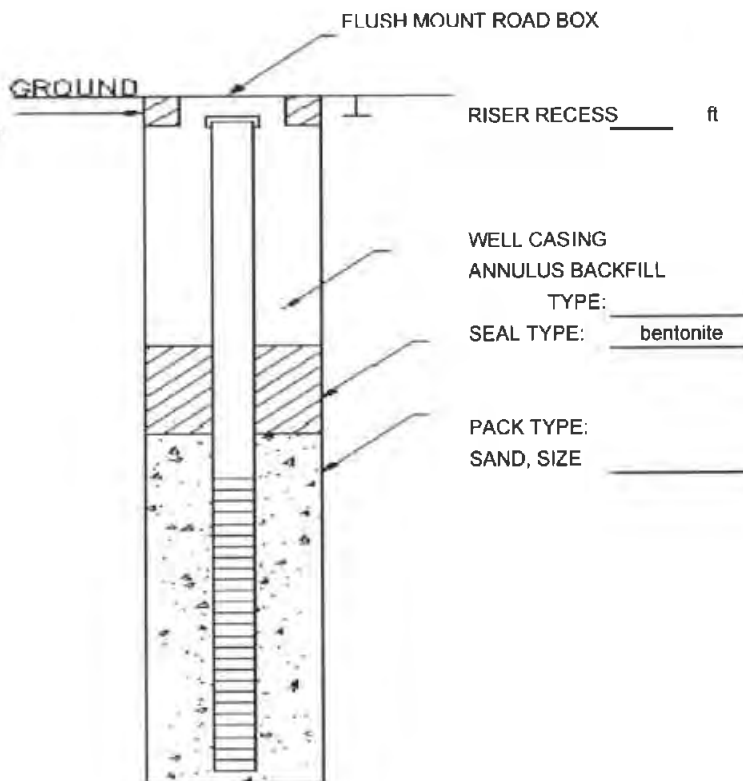
TOP OF SEAL @ 0 ft

BOTTOM OF SEAL @ 5 ft

TOP OF SCREEN @ 8.5 ft

BOTTOM OF SCREEN @ 18.5 ft

BOTTOM OF HOLE @ 18.5 ft



SCREEN TYPE: CONTINUOUS SLOT X PERFORATED _____ LOUVRE _____ OTHER _____

SCREEN MATERIAL: STAINLESS STEEL _____ PVC x OTHER _____

SCREEN LENGTH: 10 ft SCREEN DIAMETER 1 in SCREEN SLOT SIZE: 0.010

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 1 in

HOLE DIAMETER: 2"



61 Commercial St
Rochester, NY 14614
(585) 475-1440

Test Boring No.: B/MW-13

Project: Getinge
Project #: 190500772
Client: Getinge
Location: 1777 E. Henrietta Rd
Rochester, NY

Drill Contractor: Nothnagle
Driller: Jeff Schwitzer
Elevation: _____
Weather: Mostly sunny, 40s°F

Start Date: 5/14/2013
Completion Date: 5/14/2013
Drilling Method: Geoprobe
Supervisor: S. Reynolds Smith

0	SAMPLE				Soil Information	
	PID	Rec.	No.	Depth	Remarks	
		3.4	1	0-4	Brown silty topsoil, roots, dry	0.4
	0.3				Brown silt and medium to coarse gravel, dry	1
					Dark brown silty clay, dry	1.7
					Yellowish brown grading to brown clayey silt/fine sand, dry	3.2
	0				Brown clayey fine sand/silt, few fine to medium gravel	
		3.8	2	4-8		
5	0					5.6
					Reddish brown clayey fine sand, trace fine gravel, orange mottling, moist	
	0.2					8
		2.3	3	8-12	Reddish brown clayey fine sand/silt, trace fine gravel, orange mottling, moist	
10	0.3					
		2	4	12-15		
15	0.1				Bottom of hole at 15'	15
20						

Notes:

1. PID Model Mini-Rae 2000 with 10.6eV lamp.

**Getinge Confidential
Information**



Stantec

OVERBURDEN MONITORING WELL

DESIGN DETAILS

PROJECT NAME Getinge
PROJECT NUMBER 190500772
CLIENT Getinge
LOCATION 1777 E. Henrietta Rd
Rochester, NY

HOLE DESIGNATION MW-13
DATE COMPLETED 5/14/2013
DRILLING METHOD Geoprobe
SUPERVISOR S. Reynolds Smith

NOTE:

ALL DIMENSIONS ARE
BELOW GROUND SURFACE (BGS)

SURFACE SEAL TYPE flushmount

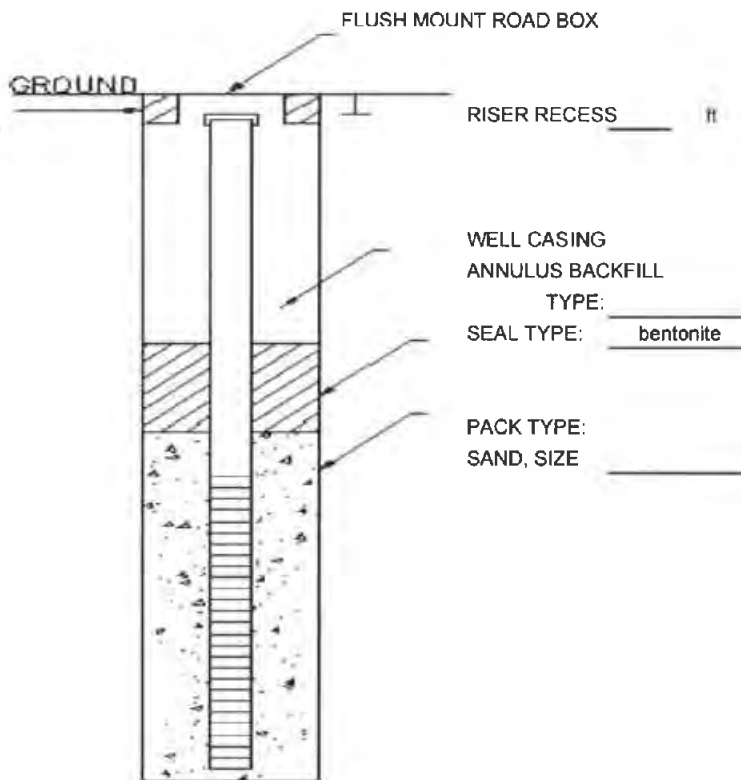
TOP OF SEAL @ 0 ft

BOTTOM OF SEAL @ 3 ft

TOP OF SCREEN @ 4.5 ft

BOTTOM OF SCREEN @ 14.5 ft

BOTTOM OF HOLE @ 15 ft



SCREEN TYPE: CONTINUOUS SLOT X PERFORATED _____ LOUVRE _____ OTHER _____

SCREEN MATERIAL: STAINLESS STEEL _____ PVC x OTHER _____

SCREEN LENGTH: 10 ft SCREEN DIAMETER 1 in SCREEN SLOT SIZE: 0.010

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 1 in

HOLE DIAMETER: 2"



61 Commercial St
Rochester, NY 14614
(585) 475-1440

Test Boring No.: B/MW-14

Project: Getinge
Project #: 190500772
Client: Getinge
Location: 1777 E. Henrietta Rd
Rochester, NY

Drill Contractor: Nothnagle
Driller: Jeff Schwitzer
Elevation: _____
Weather: Mostly sunny, 40s F

Start Date: 5/14/2013
Completion Date: 5/14/2013
Drilling Method: Geoprobe
Supervisor: S. Reynolds Smith

0	SAMPLE				Soil Information Remarks
	PID	Rec.	No.	Depth	
		2.6	1	0-4	Brown silt, coarse gravel at 1.4'-1.6', roots at 0'-0.1', wood and roots at 0.4'-0.5', dry
	0.2				
					No recovery
		3.4	2	4-8	Brown silt, trace clay, dry and becoming moist at 6.5'
5	0				
	0.1				
					No recovery
		2.2	3	8-12	Reddish brown clayey fine sand/silt, trace fine gravel, yellow mottling, moist
					Reddish brown silty clay, pink and gray mottling, dry-moist
10					
	0.3				Reddish brown clayey silt, little medium to coarse gravel, moist
	0	>3	4	12-15	
	0.1				
15					
		~3	5	15-18	
					Bottom of hole at 18'
20					

Notes:

1. PID Model Mini-Rae 2000 with 10.6eV lamp.

**Getinge Confidential
Information**



Stantec

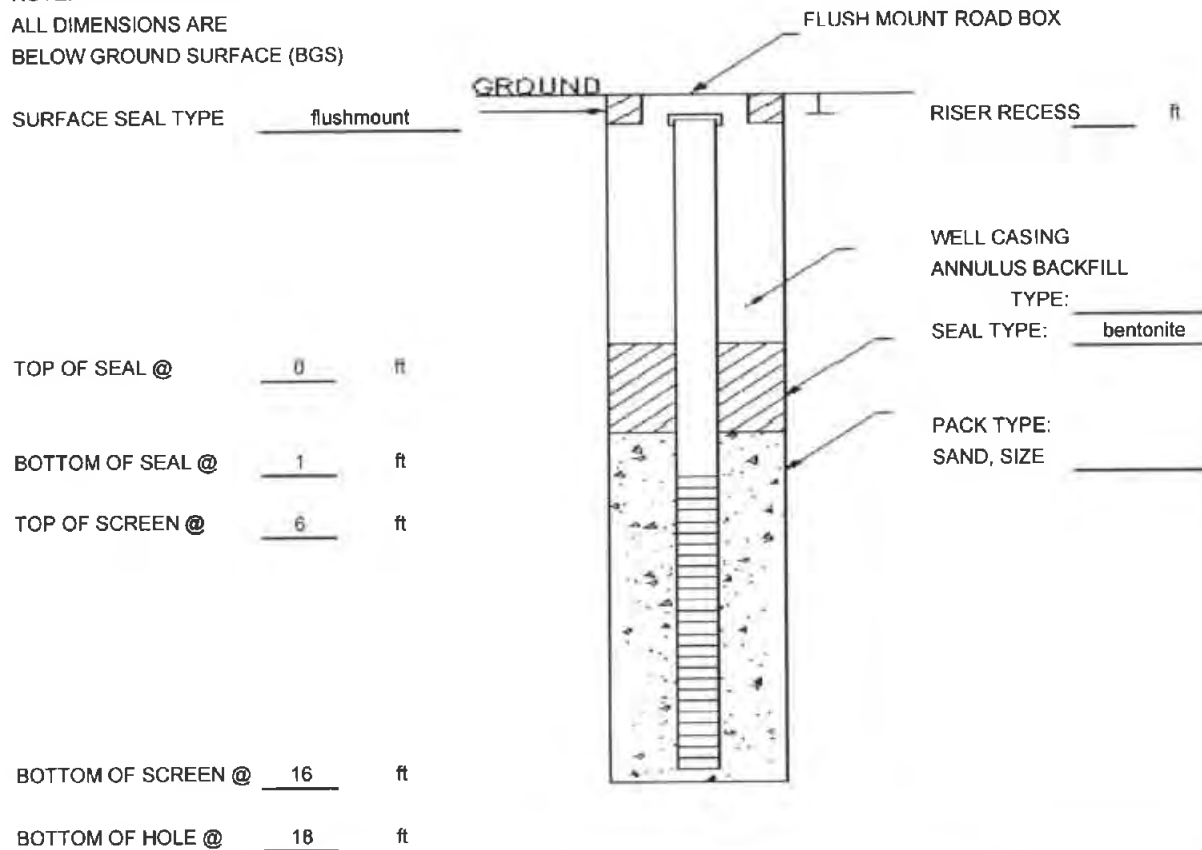
OVERBURDEN MONITORING WELL

DESIGN DETAILS

PROJECT NAME	<u>Getinge</u>	HOLE DESIGNATION	<u>MW-14</u>
PROJECT NUMBER	<u>190500772</u>	DATE COMPLETED	<u>5/14/2013</u>
CLIENT	<u>Getinge</u>	DRILLING METHOD	<u>Geoprobe</u>
LOCATION	<u>1777 E. Henrietta Rd</u>	SUPERVISOR	<u>S. Reynolds Smith</u>
	<u>Rochester, NY</u>		

NOTE:

ALL DIMENSIONS ARE
BELOW GROUND SURFACE (BGS)



SCREEN TYPE: CONTINUOUS SLOT X PERFORATED LOUVRE OTHER

SCREEN MATERIAL: STAINLESS STEEL PVC x OTHER

SCREEN LENGTH: 10 ft SCREEN DIAMETER 1 in SCREEN SLOT SIZE: 0.010

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 1 in

HOLE DIAMETER: 2"

**Getinge Confidential
Information**



Stantec

61 Commercial St
Rochester, NY 14614
(585) 475-1440

Test Boring No.: B/MW-15

Project:	<u>Getinge</u>	Drill Contractor:	<u>Nothnagle</u>	Start Date:	<u>5/14/2013</u>
Project #:	<u>190500772</u>	Driller:	<u>Jeff Schwitzer</u>	Completion Date:	<u>5/14/2013</u>
Client:	<u>Getinge</u>	Elevation:		Drilling Method:	<u>Geoprobe</u>
Location:	<u>1777 E. Henrietta Rd</u>	Weather:	<u>Mostly sunny, 40s°F</u>	Supervisor:	<u>S. Reynolds Smith</u>
	<u>Rochester, NY</u>				

0	SAMPLE				Soil Information
	PID	Rec.	No.	Depth	Remarks
		2.9	1	0-4	Brown silt, trace fine gravel, roots at 0'-0.4', trace roots at 0.4'-1.6', dry
					1.6
	0.6				Reddish brown clayey silt, few medium gravel, dry
	0.4				2.9
					No recovery
					4
	0.7	0.2	2	4-8	Recovery reddish brown clayey silt/fine sand, cobble in shoe, moist
5					4.2
					no recovery
					8
		3.2	3	8-12	Brown clayey fine sand/silt, trace fine to coarse gravel, yellow mottling, moist
	0.7				8.8
					Reddish brown clayey silt, little fine to medium gravel, moist
10					
	1				
					12
	0.4	2	4	12-14	Reddish brown fine sand/silt, moist
	0.9				14
	0.2	2	5	14-16	Reddish brown clayey silt, little fine to coarse gravel, moist
15					
	0.3				16
	0.6	2	6	16-18	Purplish brown clayey fine sand/silt, little fine to medium gravel, moist
	0.3				
		2	7	18-21	
20					
21	0.1				Bottom of hole at 21'
					21

Notes:

1. PID Model Mini-Rae 2000 with 10.6eV lamp.

**Getinge Confidential
Information**



Stantec

OVERBURDEN MONITORING WELL

DESIGN DETAILS

PROJECT NAME Getinge
PROJECT NUMBER 190500772
CLIENT Getinge
LOCATION 1777 E. Henrietta Rd
Rochester, NY

HOLE DESIGNATION MW-15
DATE COMPLETED 5/14/2013
DRILLING METHOD Geoprobe
SUPERVISOR S. Reynolds Smith

NOTE:

ALL DIMENSIONS ARE
BELOW GROUND SURFACE (BGS)

SURFACE SEAL TYPE flushmount

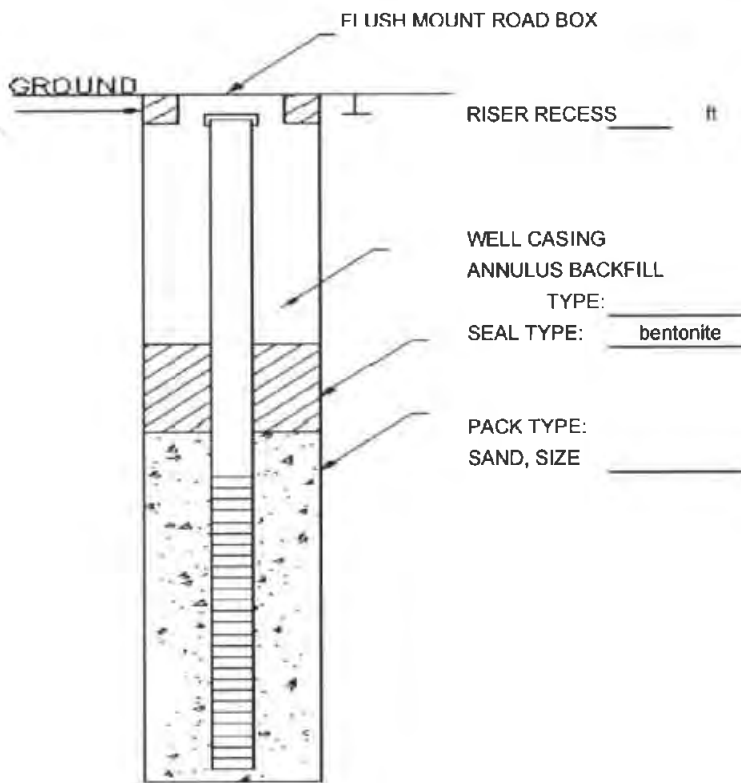
TOP OF SEAL @ 0 ft

BOTTOM OF SEAL @ 8 ft

TOP OF SCREEN @ 9 ft

BOTTOM OF SCREEN @ 19 ft

BOTTOM OF HOLE @ 21 ft



SCREEN TYPE: CONTINUOUS SLOT X PERFORATED _____ LOUVRE _____ OTHER _____

SCREEN MATERIAL: STAINLESS STEEL _____ PVC x OTHER _____

SCREEN LENGTH: 10 ft SCREEN DIAMETER 1 in SCREEN SLOT SIZE: 0.010

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 1 in

HOLE DIAMETER: 2"

Appendix B

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

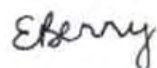
TestAmerica Job ID: 480-38260-1

Client Project/Site: *Confidential*
Revision: 1

For:

Stantec Consulting Services Inc
61 Commercial Street
Rochester, New York 14614

Attn: Mr. Michael Storonsky



Authorized for release by:

5/30/2013 4:42:43 PM

Eve Berry, Project Administrator

eve.berry@testamericainc.com

Designee for

Ryan VanDette, Project Manager I

ryan.vandette@testamericainc.com

LINKS

Review your project
results through

Total Access

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

**Getinge Confidential
Information**



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**Getinge Confidential
Information**

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: "Confidential"

TestAmerica Job ID: 480-38260-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Metals

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
"	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

**Getinge Confidential
Information**

TestAmerica Buffalo

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Job ID: 480-38260-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-38260-1

Comments

No additional comments.

Receipt

The samples were received on 5/14/2013 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 8.4° C.

Except:

This report has been revised to include samples that were previously on hold.

GC/MS VOA

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 119331 were outside control limits for several compounds. The associated laboratory control sample (LCS) recovery met acceptance criteria. C-B9-S (480-38260-4 MS), C-B9-S (480-38260-4 MSD)

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 119331 was outside control limits.

Method(s) 8260B: The method blank associated with batch 120529 contained Methylene Chloride, a common lab contaminant, greater than the reporting limit (RL). The data have been qualified and reported. (MB 480-120529/27)

Method(s) 8260B: Reported analyte concentrations in samples SB-BR-03 (10-11.8') (480-38874-7) are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: C-B8-S (480-38260-1). Evidence of matrix interferences is not obvious.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The Serial Dilution (480-38260-2 SD) in batch 480-118710, exhibited a result outside the quality control limits for total barium. However, the Post Digestion Spike was compliant so no corrective action was necessary

Method(s) 6010B: The Matrix Spike Duplicate (C-B8-S2 (480-38260-2 MSD)) recovery for total barium in batch 480-118710 was outside control limits. Sample matrix is suspected. The associated Laboratory Control Sample (LCS) met acceptance criteria, therefore no corrective action was necessary.

Method(s) 6010B: The Matrix Spike/ Matrix Spike Duplicate (C-B9-S (480-38260-4 MS), C-B9-S (480-38260-4 MSD)) recoveries for total lead in batch 480-118710 were outside control limits. The Matrix Spike Duplicate was also outside the quality control limits for total barium. Sample matrix is suspected. The associated Laboratory Control Sample (LCS) met acceptance criteria, therefore no corrective action was necessary.

No other analytical or quality issues were noted.

**Getinge Confidential
Information**

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B8-S

Lab Sample ID: 480-38260-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	97		30		ug/Kg	1	☼	8260B	Total/NA
Carbon disulfide	20		5.9		ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: C-B8-S2

Lab Sample ID: 480-38260-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.4		2.1		mg/Kg	1	☼	6010B	Total/NA
Barium	35.3		0.52		mg/Kg	1	☼	6010B	Total/NA
Chromium	7.0		0.52		mg/Kg	1	☼	6010B	Total/NA
Lead	7.0		1.0		mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: C-B8-S3

Lab Sample ID: 480-38260-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	5.6		5.5		ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: C-B9-S

Lab Sample ID: 480-38260-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.6		2.3		mg/Kg	1	☼	6010B	Total/NA
Barium	58.1		0.58		mg/Kg	1	☼	6010B	Total/NA
Cadmium	1.3		0.23		mg/Kg	1	☼	6010B	Total/NA
Chromium	11.4		0.58		mg/Kg	1	☼	6010B	Total/NA
Lead	123		1.2		mg/Kg	1	☼	6010B	Total/NA
Mercury	0.033		0.024		mg/Kg	1	☼	7471A ASP	Total/NA

Client Sample ID: C-B9-S2

Lab Sample ID: 480-38260-5

No Detections.

Client Sample ID: C-B10-S

Lab Sample ID: 480-38260-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.9		2.3		mg/Kg	1	☼	6010B	Total/NA
Barium	41.3		0.58		mg/Kg	1	☼	6010B	Total/NA
Chromium	8.3		0.58		mg/Kg	1	☼	6010B	Total/NA
Lead	8.6		1.2		mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: C-B11-S

Lab Sample ID: 480-38260-7

No Detections

Client Sample ID: C-B11-S/D

Lab Sample ID: 480-38260-8

No Detections

Client Sample ID: C-B11-S2

Lab Sample ID: 480-38260-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.4		2.2		mg/Kg	1	☼	6010B	Total/NA
Barium	58.1		0.56		mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B11-S2 (Continued)

Lab Sample ID: 480-38260-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.22		0.22		mg/Kg	1	☆	6010B	Total/NA
Chromium	9.0		0.56		mg/Kg	1	☆	6010B	Total/NA
Lead	8.3		1.1		mg/Kg	1	☆	6010B	Total/NA

Client Sample ID: C-B11-S2/D

Lab Sample ID: 480-38260-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.3		2.1		mg/Kg	1	☆	6010B	Total/NA
Barium	55.4		0.53		mg/Kg	1	☆	6010B	Total/NA
Chromium	9.0		0.53		mg/Kg	1	☆	6010B	Total/NA
Lead	8.3		1.1		mg/Kg	1	☆	6010B	Total/NA

Client Sample ID: C-B11-S3

Lab Sample ID: 480-38260-11

No Detections

Client Sample ID: C-B12-S

Lab Sample ID: 480-38260-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.5		2.3		mg/Kg	1	☆	6010B	Total/NA
Barium	54.4		0.57		mg/Kg	1	☆	6010B	Total/NA
Chromium	9.5		0.57		mg/Kg	1	☆	6010B	Total/NA
Lead	9.4		1.1		mg/Kg	1	☆	6010B	Total/NA

Client Sample ID: C-B13-S

Lab Sample ID: 480-38260-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.2		2.5		mg/Kg	1	☆	6010B	Total/NA
Barium	45.1		0.62		mg/Kg	1	☆	6010B	Total/NA
Chromium	9.1		0.62		mg/Kg	1	☆	6010B	Total/NA
Lead	9.0		1.2		mg/Kg	1	☆	6010B	Total/NA

Client Sample ID: C-B14-S

Lab Sample ID: 480-38260-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.2		2.2		mg/Kg	1	☆	6010B	Total/NA
Barium	74.0		0.55		mg/Kg	1	☆	6010B	Total/NA
Cadmium	0.29		0.22		mg/Kg	1	☆	6010B	Total/NA
Chromium	15.5		0.55		mg/Kg	1	☆	6010B	Total/NA
Lead	11.2		1.1		mg/Kg	1	☆	6010B	Total/NA

Client Sample ID: C-B15-S

Lab Sample ID: 480-38260-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.3		2.5		mg/Kg	1	☆	6010B	Total/NA
Barium	76.3		0.61		mg/Kg	1	☆	6010B	Total/NA
Chromium	11.8		0.61		mg/Kg	1	☆	6010B	Total/NA
Lead	8.5		1.2		mg/Kg	1	☆	6010B	Total/NA

Client Sample ID: C-B15-S2

Lab Sample ID: 480-38260-16

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B15-S2 (Continued)

Lab Sample ID: 480-38260-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.9	B	5.5		ug/Kg	1	✖	8260B	Total/NA

5

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Information**

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B8-S

Date Collected: 05/13/13 09:28

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-1

Matrix: Solid

Percent Solids: 75.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
1,1,2,2-Tetrachloroethane	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
1,1,2-Trichloroethane	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
1,1-Dichloroethane	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
1,1-Dichloroethene	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
1,2,4-Trichlorobenzene	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
1,2-Dibromo-3-Chloropropane	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
1,2-Dibromoethane	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
1,2-Dichlorobenzene	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
1,2-Dichloroethane	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
1,2-Dichloropropane	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
1,3-Dichlorobenzene	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
1,4-Dichlorobenzene	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
2-Hexanone	ND		30		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
2-Butanone (MEK)	ND		30		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
4-Methyl-2-pentanone (MIBK)	ND		30		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Acetone	97		30		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Benzene	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Bromodichloromethane	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Bromoform	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Bromomethane	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Carbon disulfide	20		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Carbon tetrachloride	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Chlorobenzene	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Dibromochloromethane	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Chloroethane	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Chloroform	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Chloromethane	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
cis-1,2-Dichloroethene	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
cis-1,3-Dichloropropene	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Cyclohexane	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Dichlorodifluoromethane	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Ethylbenzene	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Isopropylbenzene	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Methyl acetate	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Methyl tert-butyl ether	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Methylcyclohexane	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Methylene Chloride	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Styrene	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Tetrachloroethene	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Toluene	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
trans-1,2-Dichloroethene	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
trans-1,3-Dichloropropene	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Trichloroethene	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Trichlorofluoromethane	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Vinyl chloride	ND		5.9		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1
Xylenes, Total	ND		12		ug/Kg	☆	05/16/13 11:29	05/18/13 00:44	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B8-S

Date Collected: 05/13/13 09:28

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-1

Matrix: Solid

Percent Solids: 75.6

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
4-Octen-3-one	28	T J N	ug/Kg	⊛	8.90	14129-48-7	05/16/13 11:29	05/18/13 00:44	1
Nonane, 3-methyl-	42	T J N	ug/Kg	⊛	9.00	5911-4-6	05/16/13 11:29	05/18/13 00:44	1
Octane, 2,3-dimethyl-	74	T J N	ug/Kg	⊛	9.16	7146-60-3	05/16/13 11:29	05/18/13 00:44	1
Cyclohexane, 1,2,3-trimethyl-, (1 alpha	42	T J N	ug/Kg	⊛	9.25	1839-88-9	05/16/13 11:29	05/18/13 00:44	1
Cyclopentane, 1-hydroxymethyl-1,3-dimeth	50	T J N	ug/Kg	⊛	9.79	1000156-73-8	05/16/13 11:29	05/18/13 00:44	1
Cyclohexane, (2-methylpropyl)-	25	T J N	ug/Kg	⊛	9.95	1678-98-4	05/16/13 11:29	05/18/13 00:44	1
Octane, 4-methyl-	30	T J N	ug/Kg	⊛	10.05	2216-34-4	05/16/13 11:29	05/18/13 00:44	1
Cyclopentylcyclohexane	52	T J N	ug/Kg	⊛	10.46	1606-8-2	05/16/13 11:29	05/18/13 00:44	1
Naphthalene, decahydro-	99	T J N	ug/Kg	⊛	10.97	91-17-8	05/16/13 11:29	05/18/13 00:44	1
trans-Decalin, 2-methyl-	47	T J N	ug/Kg	⊛	11.50	1000152-47-3	05/16/13 11:29	05/18/13 00:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	134	X	64 - 126				05/16/13 11:29	05/18/13 00:44	1
Toluene-d8 (Surr)	101		71 - 125				05/16/13 11:29	05/18/13 00:44	1
4-Bromofluorobenzene (Surr)	102		72 - 128				05/16/13 11:29	05/18/13 00:44	1

Client Sample ID: C-B8-S2

Date Collected: 05/13/13 09:30

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-2

Matrix: Solid

Percent Solids: 90.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.4		2.1		mg/Kg	⊛	05/15/13 16:00	05/17/13 20:31	1
Barium	35.3		0.52		mg/Kg	⊛	05/15/13 16:00	05/17/13 20:31	1
Cadmium	ND		0.21		mg/Kg	⊛	05/15/13 16:00	05/17/13 20:31	1
Chromium	7.0		0.52		mg/Kg	⊛	05/15/13 16:00	05/17/13 20:31	1
Lead	7.0		1.0		mg/Kg	⊛	05/15/13 16:00	05/17/13 20:31	1
Selenium	ND		4.2		mg/Kg	⊛	05/15/13 16:00	05/17/13 20:31	1
Silver	ND		0.52		mg/Kg	⊛	05/15/13 16:00	05/17/13 20:31	1

Method: 7471A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.021		mg/Kg	⊛	05/16/13 09:00	05/16/13 12:05	1

Client Sample ID: C-B8-S3

Date Collected: 05/13/13 09:35

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-3

Matrix: Solid

Percent Solids: 90.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
1,1,2-Trichloroethane	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
1,1-Dichloroethane	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
1,1-Dichloroethene	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
1,2,4-Trichlorobenzene	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
1,2-Dibromo-3-Chloropropane	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
1,2-Dibromoethane	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B8-S3

Lab Sample ID: 480-38260-3

Date Collected: 05/13/13 09:35

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 90.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
1,2-Dichloroethane	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
1,2-Dichloropropane	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
1,3-Dichlorobenzene	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
1,4-Dichlorobenzene	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
2-Hexanone	ND		27		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
2-Butanone (MEK)	ND		27		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
4-Methyl-2-pentanone (MIBK)	ND		27		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Acetone	ND		27		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Benzene	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Bromodichloromethane	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Bromoform	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Bromomethane	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Carbon disulfide	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Carbon tetrachloride	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Chlorobenzene	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Dibromochloromethane	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Chloroethane	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Chloroform	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Chloromethane	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
cis-1,2-Dichloroethene	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
cis-1,3-Dichloropropene	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Cyclohexane	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Dichlorodifluoromethane	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Ethylbenzene	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Isopropylbenzene	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Methyl acetate	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Methyl tert-butyl ether	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Methylcyclohexane	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Methylene Chloride	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Styrene	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Tetrachloroethene	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Toluene	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
trans-1,2-Dichloroethene	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
trans-1,3-Dichloropropene	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Trichloroethene	5.6		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Trichlorofluoromethane	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Vinyl chloride	ND		5.5		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1
Xylenes, Total	ND		11		ug/Kg	⊛	05/24/13 15:37	05/25/13 02:17	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	⊛			05/24/13 15:37	05/25/13 02:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		64 - 126				05/24/13 15:37	05/25/13 02:17	1
Toluene-d8 (Surr)	102		71 - 125				05/24/13 15:37	05/25/13 02:17	1
4-Bromofluorobenzene (Surr)	104		72 - 126				05/24/13 15:37	05/25/13 02:17	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B9-S

Lab Sample ID: 480-38260-4

Date Collected: 05/13/13 10:30

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 84.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
1,1,2-Trichloroethane	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
1,1-Dichloroethane	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
1,1-Dichloroethene	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
1,2,4-Trichlorobenzene	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
1,2-Dibromo-3-Chloropropane	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
1,2-Dibromoethane	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
1,2-Dichlorobenzene	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
1,2-Dichloroethane	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
1,2-Dichloropropane	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
1,3-Dichlorobenzene	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
1,4-Dichlorobenzene	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
2-Hexanone	ND		28		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
2-Butanone (MEK)	ND		28		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
4-Methyl-2-pentanone (MIBK)	ND		28		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Acetone	ND		28		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Benzene	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Bromodichloromethane	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Bromoform	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Bromomethane	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Carbon disulfide	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Carbon tetrachloride	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Chlorobenzene	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Dibromochloromethane	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Chloroethane	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Chloroform	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Chloromethane	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
cis-1,2-Dichloroethene	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
cis-1,3-Dichloropropene	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Cyclohexane	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Dichlorodifluoromethane	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Ethylbenzene	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Isopropylbenzene	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Methyl acetate	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Methyl tert-butyl ether	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Methylcyclohexane	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Methylene Chloride	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Styrene	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Tetrachloroethene	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Toluene	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
trans-1,2-Dichloroethene	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
trans-1,3-Dichloropropene	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Trichloroethene	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Trichlorofluoromethane	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Vinyl chloride	ND		5.5		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1
Xylenes, Total	ND		11		ug/Kg	☆	05/16/13 11:29	05/17/13 23:27	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B9-S

Lab Sample ID: 480-38260-4

Date Collected: 05/13/13 10:30

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 84.0

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Cyclohexane, 2-propenyl-	34	T J N	ug/Kg	☆	10.48	2114-42-3	05/16/13 11:29	05/17/13 23:27	1
Naphthalene, decahydro-, trans-	57	T J N	ug/Kg	☆	10.97	493-2-7	05/16/13 11:29	05/17/13 23:27	1
Dodeca-1,6-dien-12-ol, 6,10-dimethyl-	36	T J N	ug/Kg	☆	11.51	1000156-13-8	05/16/13 11:29	05/17/13 23:27	1
Cyclododecane	30	T J N	ug/Kg	☆	12.40	294-62-2	05/16/13 11:29	05/17/13 23:27	1
Tridecane, 7-methyl-	45	T J N	ug/Kg	☆	12.45	26730-14-3	05/16/13 11:29	05/17/13 23:27	1
6-Tridecene, 7-methyl-	38	T J N	ug/Kg	☆	12.88	24949-42-6	05/16/13 11:29	05/17/13 23:27	1
Heptadecane, 2,6,10,15-tetramethyl-	28	T J N	ug/Kg	☆	13.38	54833-48-6	05/16/13 11:29	05/17/13 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Sum)	95		64 - 126				05/16/13 11:29	05/17/13 23:27	1
Toluene-d8 (Surr)	99		71 - 125				05/16/13 11:29	05/17/13 23:27	1
4-Bromofluorobenzene (Surr)	105		72 - 126				05/16/13 11:29	05/17/13 23:27	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.6		2.3		mg/Kg	☆	05/15/13 16:00	05/17/13 20:43	1
Barium	58.1		0.58		mg/Kg	☆	05/15/13 16:00	05/17/13 20:43	1
Cadmium	1.3		0.23		mg/Kg	☆	05/15/13 16:00	05/17/13 20:43	1
Chromium	11.4		0.58		mg/Kg	☆	05/15/13 16:00	05/17/13 20:43	1
Lead	123		1.2		mg/Kg	☆	05/15/13 16:00	05/17/13 20:43	1
Selenium	ND		4.6		mg/Kg	☆	05/15/13 16:00	05/17/13 20:43	1
Silver	ND		0.58		mg/Kg	☆	05/15/13 16:00	05/17/13 20:43	1

Method: 7471A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.024		mg/Kg	☆	05/16/13 09:00	05/16/13 12:12	1

Client Sample ID: C-B9-S2

Lab Sample ID: 480-38260-5

Date Collected: 05/13/13 10:39

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 88.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 02:42	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 02:42	1
1,1,2-Trichloroethane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 02:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 02:42	1
1,1-Dichloroethane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 02:42	1
1,1-Dichloroethene	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 02:42	1
1,2,4-Trichlorobenzene	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 02:42	1
1,2-Dibromo-3-Chloropropane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 02:42	1
1,2-Dibromoethane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 02:42	1
1,2-Dichlorobenzene	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 02:42	1
1,2-Dichloroethane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 02:42	1
1,2-Dichloropropane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 02:42	1
1,3-Dichlorobenzene	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 02:42	1
1,4-Dichlorobenzene	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 02:42	1
2-Hexanone	ND		27		ug/Kg	☆	05/24/13 15:37	05/25/13 02:42	1
2-Butanone (MEK)	ND		27		ug/Kg	☆	05/24/13 15:37	05/25/13 02:42	1
4-Methyl-2-pentanone (MIBK)	ND		27		ug/Kg	☆	05/24/13 15:37	05/25/13 02:42	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B9-S2

Lab Sample ID: 480-38260-5

Date Collected: 05/13/13 10:39

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 88.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Benzene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Bromodichloromethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Bromoform	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Bromomethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Carbon disulfide	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Carbon tetrachloride	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Chlorobenzene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Dibromochloromethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Chloroethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Chloroform	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Chloromethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
cis-1,2-Dichloroethene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
cis-1,3-Dichloropropene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Cyclohexane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Dichlorodifluoromethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Ethylbenzene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Isopropylbenzene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Methyl acetate	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Methyl tert-butyl ether	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Methylcyclohexane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Methylene Chloride	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Styrene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Tetrachloroethene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Toluene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
trans-1,2-Dichloroethene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
trans-1,3-Dichloropropene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Trichloroethene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Trichlorofluoromethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Vinyl chloride	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1
Xylenes, Total	ND		11		ug/Kg	*	05/24/13 15:37	05/25/13 02:42	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	*			05/24/13 15:37	05/25/13 02:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		64 - 126	05/24/13 15:37	05/25/13 02:42	1
Toluene-d8 (Surr)	102		71 - 125	05/24/13 15:37	05/25/13 02:42	1
4-Bromofluorobenzene (Surr)	104		72 - 126	05/24/13 15:37	05/25/13 02:42	1

Client Sample ID: C-B10-S

Lab Sample ID: 480-38260-6

Date Collected: 05/13/13 11:30

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 89.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.6		ug/Kg	*	05/24/13 15:37	05/25/13 03:08	1
1,1,2,2-Tetrachloroethane	ND		5.6		ug/Kg	*	05/24/13 15:37	05/25/13 03:08	1
1,1,2-Trichloroethane	ND		5.6		ug/Kg	*	05/24/13 15:37	05/25/13 03:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6		ug/Kg	*	05/24/13 15:37	05/25/13 03:08	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B10-S

Lab Sample ID: 480-38260-6

Date Collected: 05/13/13 11:30

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 89.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
1,1-Dichloroethene	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
1,2,4-Trichlorobenzene	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
1,2-Dibromo-3-Chloropropane	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
1,2-Dibromoethane	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
1,2-Dichlorobenzene	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
1,2-Dichloroethane	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
1,2-Dichloropropane	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
1,3-Dichlorobenzene	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
1,4-Dichlorobenzene	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
2-Hexanone	ND		28		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
2-Butanone (MEK)	ND		28		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
4-Methyl-2-pentanone (MIBK)	ND		28		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Acetone	ND		28		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Benzene	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Bromodichloromethane	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Bromoform	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Bromomethane	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Carbon disulfide	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Carbon tetrachloride	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Chlorobenzene	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Dibromochloromethane	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Chloroethane	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Chloroform	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Chloromethane	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
cis-1,2-Dichloroethane	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
cis-1,3-Dichloropropene	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Cyclohexane	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Dichlorodifluoromethane	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Ethylbenzene	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Isopropylbenzene	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Methyl acetate	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Methyl tert-butyl ether	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Methylcyclohexane	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Methylene Chloride	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Styrene	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Tetrachloroethene	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Toluene	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
trans-1,2-Dichloroethene	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
trans-1,3-Dichloropropene	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Trichloroethene	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Trichlorofluoromethane	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Vinyl chloride	ND		5.6		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1
Xylenes, Total	ND		11		ug/Kg	☆	05/24/13 15:37	05/25/13 03:08	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☆			05/24/13 15:37	05/25/13 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Sum)	93		64 - 126				05/24/13 15:37	05/25/13 03:08	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B10-S

Date Collected: 05/13/13 11:30

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-6

Matrix: Solid

Percent Solids: 89.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		71 - 125	05/24/13 15:37	05/25/13 03:08	1
4-Bromofluorobenzene (Surr)	101		72 - 126	05/24/13 15:37	05/25/13 03:08	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.9		2.3		mg/Kg	☆	05/15/13 16:00	05/17/13 20:51	1
Barium	41.3		0.58		mg/Kg	☆	05/15/13 16:00	05/17/13 20:51	1
Cadmium	ND		0.23		mg/Kg	☆	05/15/13 16:00	05/17/13 20:51	1
Chromium	8.3		0.58		mg/Kg	☆	05/15/13 16:00	05/17/13 20:51	1
Lead	8.6		1.2		mg/Kg	☆	05/15/13 16:00	05/17/13 20:51	1
Selenium	ND		4.6		mg/Kg	☆	05/15/13 16:00	05/17/13 20:51	1
Silver	ND		0.58		mg/Kg	☆	05/15/13 16:00	05/17/13 20:51	1

Method: 7471A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.021		mg/Kg	☆	05/16/13 09:00	05/16/13 12:22	1

Client Sample ID: C-B11-S

Date Collected: 05/13/13 12:25

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-7

Matrix: Solid

Percent Solids: 71.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
1,1,2,2-Tetrachloroethane	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
1,1,2-Trichloroethane	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
1,1-Dichloroethane	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
1,1-Dichloroethene	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
1,2,4-Trichlorobenzene	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
1,2-Dibromo-3-Chloropropane	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
1,2-Dibromoethane	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
1,2-Dichlorobenzene	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
1,2-Dichloroethane	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
1,2-Dichloropropane	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
1,3-Dichlorobenzene	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
1,4-Dichlorobenzene	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
2-Hexanone	ND		29		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
2-Butanone (MEK)	ND		29		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
4-Methyl-2-pentanone (MIBK)	ND		29		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Acetone	ND		29		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Benzene	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Bromodichloromethane	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Bromoform	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Bromomethane	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Carbon disulfide	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Carbon tetrachloride	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Chlorobenzene	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Dibromochloromethane	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Chloroethane	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B11-S

Lab Sample ID: 480-38260-7

Date Collected: 05/13/13 12:25

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 71.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Chloromethane	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
cis-1,2-Dichloroethene	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
cis-1,3-Dichloropropene	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Cyclohexane	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Dichlorodifluoromethane	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Ethylbenzene	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Isopropylbenzene	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Methyl acetate	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Methyl tert-butyl ether	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Methylcyclohexane	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Methylene Chloride	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Styrene	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Tetrachloroethene	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Toluene	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
trans-1,2-Dichloroethene	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
trans-1,3-Dichloropropene	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Trichloroethene	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Trichlorofluoromethane	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Vinyl chloride	ND		5.7		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1
Xylenes, Total	ND		11		ug/Kg	☆	05/16/13 11:29	05/18/13 01:09	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
tert-Butyldimethylsilanol	7.5	T J N	ug/Kg	☆	4.47	18173-64-3	05/16/13 11:29	05/18/13 01:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 126	05/16/13 11:29	05/18/13 01:09	1
Toluene-d8 (Surr)	100		71 - 125	05/16/13 11:29	05/18/13 01:09	1
4-Bromofluorobenzene (Surr)	88		72 - 126	05/16/13 11:29	05/18/13 01:09	1

Client Sample ID: C-B11-S/D

Lab Sample ID: 480-38260-8

Date Collected: 05/13/13 12:25

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 76.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.6		ug/Kg	☆	05/16/13 11:29	05/18/13 20:08	1
1,1,2,2-Tetrachloroethane	ND		5.6		ug/Kg	☆	05/16/13 11:29	05/18/13 20:08	1
1,1,2-Trichloroethane	ND		5.6		ug/Kg	☆	05/16/13 11:29	05/18/13 20:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6		ug/Kg	☆	05/16/13 11:29	05/18/13 20:08	1
1,1-Dichloroethane	ND		5.6		ug/Kg	☆	05/16/13 11:29	05/18/13 20:08	1
1,1-Dichloroethene	ND		5.6		ug/Kg	☆	05/16/13 11:29	05/18/13 20:08	1
1,2,4-Trichlorobenzene	ND		5.6		ug/Kg	☆	05/16/13 11:29	05/18/13 20:08	1
1,2-Dibromo-3-Chloropropane	ND		5.6		ug/Kg	☆	05/16/13 11:29	05/18/13 20:08	1
1,2-Dibromoethane	ND		5.6		ug/Kg	☆	05/16/13 11:29	05/18/13 20:08	1
1,2-Dichlorobenzene	ND		5.6		ug/Kg	☆	05/16/13 11:29	05/18/13 20:08	1
1,2-Dichloroethane	ND		5.6		ug/Kg	☆	05/16/13 11:29	05/18/13 20:08	1
1,2-Dichloropropane	ND		5.6		ug/Kg	☆	05/16/13 11:29	05/18/13 20:08	1
1,3-Dichlorobenzene	ND		5.6		ug/Kg	☆	05/16/13 11:29	05/18/13 20:08	1
1,4-Dichlorobenzene	ND		5.6		ug/Kg	☆	05/16/13 11:29	05/18/13 20:08	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B11-S/D

Lab Sample ID: 480-38260-8

Date Collected: 05/13/13 12:25

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 76.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		28		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
2-Butanone (MEK)	ND		28		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
4-Methyl-2-pentanone (MIBK)	ND		28		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Acetone	ND		28		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Benzene	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Bromodichloromethane	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Bromoform	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Bromomethane	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Carbon disulfide	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Carbon tetrachloride	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Chlorobenzene	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Dibromochloromethane	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Chloroethane	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Chloroform	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Chloromethane	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
cis-1,2-Dichloroethene	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
cis-1,3-Dichloropropene	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Cyclohexane	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Dichlorodifluoromethane	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Ethylbenzene	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Isopropylbenzene	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Methyl acetate	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Methyl tert-butyl ether	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Methylcyclohexane	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Methylene Chloride	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Styrene	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Tetrachloroethene	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Toluene	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
trans-1,2-Dichloroethene	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
trans-1,3-Dichloropropene	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Trichloroethene	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Trichlorofluoromethane	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Vinyl chloride	ND		5.6		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1
Xylenes, Total	ND		11		ug/Kg	✱	05/16/13 11:29	05/18/13 20:08	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Silanol, trimethyl-	9.8	T J N	ug/Kg	✱	4.47	1066-40-6	05/16/13 11:29	05/18/13 20:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		64 - 126				05/16/13 11:29	05/18/13 20:08	1
Toluene-d8 (Surr)	100		71 - 125				05/16/13 11:29	05/18/13 20:08	1
4-Bromofluorobenzene (Surr)	102		72 - 126				05/16/13 11:29	05/18/13 20:08	1

Client Sample ID: C-B11-S2

Lab Sample ID: 480-38260-9

Date Collected: 05/13/13 12:30

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 88.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.4		2.2		mg/Kg	✱	05/15/13 16:00	05/17/13 20:58	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B11-S2

Lab Sample ID: 480-38260-9

Date Collected: 05/13/13 12:30

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 88.9

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	58.1		0.56		mg/Kg	☆	05/15/13 16:00	05/17/13 20:58	1
Cadmium	0.22		0.22		mg/Kg	☆	05/15/13 16:00	05/17/13 20:58	1
Chromium	9.0		0.56		mg/Kg	☆	05/15/13 16:00	05/17/13 20:58	1
Lead	8.3		1.1		mg/Kg	☆	05/15/13 16:00	05/17/13 20:58	1
Selenium	ND		4.5		mg/Kg	☆	05/15/13 16:00	05/17/13 20:58	1
Silver	ND		0.56		mg/Kg	☆	05/15/13 16:00	05/17/13 20:58	1

Method: 7471A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.021		mg/Kg	☆	05/16/13 09:00	05/16/13 12:24	1

Client Sample ID: C-B11-S2/D

Lab Sample ID: 480-38260-10

Date Collected: 05/13/13 12:30

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 88.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.3		2.1		mg/Kg	☆	05/15/13 16:00	05/17/13 21:01	1
Barium	55.4		0.53		mg/Kg	☆	05/15/13 16:00	05/17/13 21:01	1
Cadmium	ND		0.21		mg/Kg	☆	05/15/13 16:00	05/17/13 21:01	1
Chromium	9.0		0.53		mg/Kg	☆	05/15/13 16:00	05/17/13 21:01	1
Lead	8.3		1.1		mg/Kg	☆	05/15/13 16:00	05/17/13 21:01	1
Selenium	ND		4.3		mg/Kg	☆	05/15/13 16:00	05/17/13 21:01	1
Silver	ND		0.53		mg/Kg	☆	05/15/13 16:00	05/17/13 21:01	1

Method: 7471A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.022		mg/Kg	☆	05/16/13 09:00	05/16/13 12:26	1

Client Sample ID: C-B11-S3

Lab Sample ID: 480-38260-11

Date Collected: 05/13/13 12:40

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 89.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 03:33	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 03:33	1
1,1,2-Trichloroethane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 03:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 03:33	1
1,1-Dichloroethane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 03:33	1
1,1-Dichloroethene	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 03:33	1
1,2,4-Trichlorobenzene	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 03:33	1
1,2-Dibromo-3-Chloropropane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 03:33	1
1,2-Dibromoethane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 03:33	1
1,2-Dichlorobenzene	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 03:33	1
1,2-Dichloroethane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 03:33	1
1,2-Dichloropropane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 03:33	1
1,3-Dichlorobenzene	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 03:33	1
1,4-Dichlorobenzene	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 03:33	1
2-Hexanone	ND		27		ug/Kg	☆	05/24/13 15:37	05/25/13 03:33	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B11-S3

Lab Sample ID: 480-38260-11

Date Collected: 05/13/13 12:40

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 89.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		27		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
4-Methyl-2-pentanone (MIBK)	ND		27		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Acetone	ND		27		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Benzene	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Bromodichloromethane	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Bromoform	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Bromomethane	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Carbon disulfide	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Carbon tetrachloride	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Chlorobenzene	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Dibromochloromethane	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Chloroethane	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Chloroform	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Chloromethane	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
cis-1,2-Dichloroethene	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
cis-1,3-Dichloropropene	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Cyclohexane	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Dichlorodifluoromethane	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Ethylbenzene	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Isopropylbenzene	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Methyl acetate	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Methyl tert-butyl ether	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Methylcyclohexane	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Methylene Chloride	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Styrene	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Tetrachloroethene	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Toluene	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
trans-1,2-Dichloroethene	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
trans-1,3-Dichloropropene	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Trichloroethene	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Trichlorofluoromethane	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Vinyl chloride	ND		5.5		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1
Xylenes, Total	ND		11		ug/Kg	✱	05/24/13 15:37	05/25/13 03:33	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	✱			05/24/13 15:37	05/25/13 03:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		64 - 126				05/24/13 15:37	05/25/13 03:33	1
Toluene-d8 (Surr)	101		71 - 125				05/24/13 15:37	05/25/13 03:33	1
4-Bromofluorobenzene (Surr)	103		72 - 126				05/24/13 15:37	05/25/13 03:33	1

Client Sample ID: C-B12-S

Lab Sample ID: 480-38260-12

Date Collected: 05/14/13 09:07

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 89.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.5		ug/Kg	✱	05/16/13 11:29	05/18/13 20:33	1
1,1,2,2-Tetrachloroethane	ND		4.5		ug/Kg	✱	05/16/13 11:29	05/18/13 20:33	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B12-S

Lab Sample ID: 480-38260-12

Date Collected: 05/14/13 09:07

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 89.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
1,1-Dichloroethane	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
1,1-Dichloroethene	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
1,2,4-Trichlorobenzene	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
1,2-Dibromo-3-Chloropropane	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
1,2-Dibromoethane	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
1,2-Dichlorobenzene	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
1,2-Dichloroethane	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
1,2-Dichloropropane	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
1,3-Dichlorobenzene	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
1,4-Dichlorobenzene	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
2-Hexanone	ND		22		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
2-Butanone (MEK)	ND		22		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
4-Methyl-2-pentanone (MIBK)	ND		22		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Acetone	ND		22		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Benzene	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Bromodichloromethane	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Bromoform	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Bromomethane	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Carbon disulfide	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Carbon tetrachloride	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Chlorobenzene	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Dibromochloromethane	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Chloroethane	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Chloroform	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Chloromethane	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
cis-1,2-Dichloroethene	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
cis-1,3-Dichloropropene	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Cyclohexane	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Dichlorodifluoromethane	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Ethylbenzene	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Isopropylbenzene	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Methyl acetate	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Methyl tert-butyl ether	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Methylcyclohexane	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Methylene Chloride	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Styrene	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Tetrachloroethene	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Toluene	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
trans-1,2-Dichloroethene	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
trans-1,3-Dichloropropene	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Trichloroethene	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Trichlorofluoromethane	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Vinyl chloride	ND		4.5		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1
Xylenes, Total	ND		9.0		ug/Kg	☼	05/16/13 11:29	05/18/13 20:33	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
tert-Butyldimethylsilanol	4.9	T J N	ug/Kg	☼	4.47	18173-64-3	05/16/13 11:29	05/18/13 20:33	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B12-S

Date Collected: 05/14/13 09:07

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-12

Matrix: Solid

Percent Solids: 89.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	05/16/13 11:29	05/18/13 20:33	1
Toluene-d8 (Surr)	99		71 - 125	05/16/13 11:29	05/18/13 20:33	1
4-Bromofluorobenzene (Surr)	101		72 - 126	05/16/13 11:29	05/18/13 20:33	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.6		2.3		mg/Kg	☆	05/15/13 16:00	05/17/13 21:03	1
Barium	54.4		0.57		mg/Kg	☆	05/15/13 16:00	05/17/13 21:03	1
Cadmium	ND		0.23		mg/Kg	☆	05/15/13 16:00	05/17/13 21:03	1
Chromium	9.6		0.57		mg/Kg	☆	05/15/13 16:00	05/17/13 21:03	1
Lead	9.4		1.1		mg/Kg	☆	05/15/13 16:00	05/17/13 21:03	1
Selenium	ND		4.6		mg/Kg	☆	05/15/13 16:00	05/17/13 21:03	1
Silver	ND		0.57		mg/Kg	☆	05/15/13 16:00	05/17/13 21:03	1

Method: 7471A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020		mg/Kg	☆	05/16/13 09:00	05/16/13 12:29	1

Client Sample ID: C-B13-S

Date Collected: 05/14/13 10:05

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-13

Matrix: Solid

Percent Solids: 84.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
1,1,2,2-Tetrachloroethane	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
1,1,2-Trichloroethane	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
1,1-Dichloroethane	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
1,1-Dichloroethene	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
1,2,4-Trichlorobenzene	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
1,2-Dibromo-3-Chloropropane	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
1,2-Dibromoethane	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
1,2-Dichlorobenzene	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
1,2-Dichloroethane	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
1,2-Dichloropropane	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
1,3-Dichlorobenzene	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
1,4-Dichlorobenzene	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
2-Hexanone	ND		22		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
2-Butanone (MEK)	ND		22		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
4-Methyl-2-pentanone (MIBK)	ND		22		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Acetone	ND		22		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Benzene	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Bromodichloromethane	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Bromoform	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Bromomethane	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Carbon disulfide	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Carbon tetrachloride	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Chlorobenzene	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Dibromochloromethane	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Chloroethane	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B13-S

Date Collected: 05/14/13 10:05

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-13

Matrix: Solid

Percent Solids: 84.4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Chloromethane	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
cis-1,2-Dichloroethene	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
cis-1,3-Dichloropropene	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Cyclohexane	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Dichlorodifluoromethane	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Ethylbenzene	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Isopropylbenzene	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Methyl acetate	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Methyl tert-butyl ether	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Methylcyclohexane	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Methylene Chloride	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Styrene	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Tetrachloroethene	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Toluene	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
trans-1,2-Dichloroethene	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
trans-1,3-Dichloropropene	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Trichloroethene	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Trichlorofluoromethane	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Vinyl chloride	ND		4.4		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1
Xylenes, Total	ND		8.7		ug/Kg	☆	05/16/13 11:29	05/18/13 20:59	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☆			05/16/13 11:29	05/18/13 20:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		84 - 126				05/16/13 11:29	05/18/13 20:59	1
Toluene-d8 (Surr)	98		71 - 125				05/16/13 11:29	05/18/13 20:59	1
4-Bromofluorobenzene (Surr)	101		72 - 126				05/16/13 11:29	05/18/13 20:59	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.2		2.5		mg/Kg	☆	05/15/13 16:00	05/17/13 21:06	1
Barium	45.1		0.62		mg/Kg	☆	05/15/13 16:00	05/17/13 21:06	1
Cadmium	ND		0.25		mg/Kg	☆	05/15/13 16:00	05/17/13 21:06	1
Chromium	9.1		0.62		mg/Kg	☆	05/15/13 16:00	05/17/13 21:06	1
Lead	9.0		1.2		mg/Kg	☆	05/15/13 16:00	05/17/13 21:06	1
Selenium	ND		4.9		mg/Kg	☆	05/15/13 16:00	05/17/13 21:06	1
Silver	ND		0.62		mg/Kg	☆	05/15/13 16:00	05/17/13 21:06	1

Method: 7471A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.023		mg/Kg	☆	05/16/13 09:00	05/16/13 12:31	1

Client Sample ID: C-B14-S

Date Collected: 05/14/13 11:10

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-14

Matrix: Solid

Percent Solids: 83.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.6		ug/Kg	☆	05/16/13 11:29	05/18/13 21:24	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B14-S

Lab Sample ID: 480-38260-14

Date Collected: 05/14/13 11:10

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 83.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
1,1,2-Trichloroethane	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
1,1-Dichloroethane	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
1,1-Dichloroethene	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
1,2,4-Trichlorobenzene	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
1,2-Dibromo-3-Chloropropane	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
1,2-Dibromoethane	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
1,2-Dichlorobenzene	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
1,2-Dichloroethane	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
1,2-Dichloropropane	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
1,3-Dichlorobenzene	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
1,4-Dichlorobenzene	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
2-Hexanone	ND		23		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
2-Butanone (MEK)	ND		23		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
4-Methyl-2-pentanone (MIBK)	ND		23		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Acetone	ND		23		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Benzene	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Bromodichloromethane	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Bromoform	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Bromomethane	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Carbon disulfide	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Carbon tetrachloride	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Chlorobenzene	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Dibromochloromethane	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Chloroethane	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Chloroform	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Chloromethane	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
cis-1,2-Dichloroethene	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
cis-1,3-Dichloropropene	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Cyclohexane	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Dichlorodifluoromethane	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Ethylbenzene	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Isopropylbenzene	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Methyl acetate	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Methyl tert-butyl ether	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Methylcyclohexane	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Methylene Chloride	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Styrene	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Tetrachloroethene	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Toluene	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
trans-1,2-Dichloroethene	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
trans-1,3-Dichloropropene	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Trichloroethene	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Trichlorofluoromethane	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Vinyl chloride	ND		4.6		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1
Xylenes, Total	ND		9.2		ug/Kg	☼	05/16/13 11:29	05/18/13 21:24	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			05/16/13 11:29	05/18/13 21:24	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B14-S

Date Collected: 05/14/13 11:10

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-14

Matrix: Solid

Percent Solids: 83.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	05/16/13 11:29	05/18/13 21:24	1
Toluene-d8 (Surr)	99		71 - 125	05/16/13 11:29	05/18/13 21:24	1
4-Bromofluorobenzene (Surr)	101		72 - 126	05/16/13 11:29	05/18/13 21:24	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.2		2.2		mg/Kg	☆	05/15/13 16:00	05/17/13 21:08	1
Barium	74.0		0.55		mg/Kg	☆	05/15/13 16:00	05/17/13 21:08	1
Cadmium	0.29		0.22		mg/Kg	☆	05/15/13 16:00	05/17/13 21:08	1
Chromium	15.5		0.55		mg/Kg	☆	05/15/13 16:00	05/17/13 21:08	1
Lead	11.2		1.1		mg/Kg	☆	05/15/13 16:00	05/17/13 21:08	1
Selenium	ND		4.4		mg/Kg	☆	05/15/13 16:00	05/17/13 21:08	1
Silver	ND		0.55		mg/Kg	☆	05/15/13 16:00	05/17/13 21:08	1

Method: 7471A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.022		mg/Kg	☆	05/16/13 09:00	05/16/13 12:33	1

Client Sample ID: C-B15-S

Date Collected: 05/14/13 12:40

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-15

Matrix: Solid

Percent Solids: 89.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
1,1,2,2-Tetrachloroethane	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
1,1,2-Trichloroethane	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
1,1-Dichloroethane	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
1,1-Dichloroethene	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
1,2,4-Trichlorobenzene	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
1,2-Dibromo-3-Chloropropane	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
1,2-Dibromoethane	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
1,2-Dichlorobenzene	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
1,2-Dichloroethane	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
1,2-Dichloropropane	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
1,3-Dichlorobenzene	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
1,4-Dichlorobenzene	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
2-Hexanone	ND		20		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
2-Butanone (MEK)	ND		20		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
4-Methyl-2-pentanone (MIBK)	ND		20		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Acetone	ND		20		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Benzene	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Bromodichloromethane	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Bromoform	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Bromomethane	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Carbon disulfide	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Carbon tetrachloride	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Chlorobenzene	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Dibromochloromethane	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Chloroethane	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B15-S

Lab Sample ID: 480-38260-15

Date Collected: 05/14/13 12:40

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 89.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Chloromethane	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
cis-1,3-Dichloropropene	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Cyclohexane	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Dichlorodifluoromethane	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Ethylbenzene	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Isopropylbenzene	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Methyl acetate	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Methyl tert-butyl ether	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Methylcyclohexane	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Methylene Chloride	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Styrene	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Tetrachloroethene	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Toluene	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
trans-1,2-Dichloroethene	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
trans-1,3-Dichloropropene	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Trichloroethene	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Trichlorofluoromethane	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Vinyl chloride	ND		4.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1
Xylenes, Total	ND		8.1		ug/Kg	☆	05/16/13 11:29	05/18/13 21:49	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☆			05/16/13 11:29	05/18/13 21:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	05/16/13 11:29	05/18/13 21:49	1
Toluene-d8 (Surr)	99		71 - 125	05/16/13 11:29	05/18/13 21:49	1
4-Bromofluorobenzene (Surr)	101		72 - 126	05/16/13 11:29	05/18/13 21:49	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.3		2.5		mg/Kg	☆	05/15/13 16:00	05/17/13 21:11	1
Barium	76.3		0.61		mg/Kg	☆	05/15/13 16:00	05/17/13 21:11	1
Cadmium	ND		0.25		mg/Kg	☆	05/15/13 16:00	05/17/13 21:11	1
Chromium	11.8		0.61		mg/Kg	☆	05/15/13 16:00	05/17/13 21:11	1
Lead	8.6		1.2		mg/Kg	☆	05/15/13 16:00	05/17/13 21:11	1
Selenium	ND		4.9		mg/Kg	☆	05/15/13 16:00	05/17/13 21:11	1
Silver	ND		0.61		mg/Kg	☆	05/15/13 16:00	05/17/13 21:11	1

Method: 7471A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.021		mg/Kg	☆	05/16/13 09:00	05/16/13 12:35	1

Client Sample ID: C-B15-S2

Lab Sample ID: 480-38260-16

Date Collected: 05/14/13 13:05

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 89.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.5		ug/Kg	☆	05/24/13 15:37	05/25/13 03:59	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B15-S2

Lab Sample ID: 480-38260-16

Date Collected: 05/14/13 13:05

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 89.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
1,1,2-Trichloroethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
1,1-Dichloroethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
1,1-Dichloroethene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
1,2,4-Trichlorobenzene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
1,2-Dibromo-3-Chloropropane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
1,2-Dibromoethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
1,2-Dichlorobenzene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
1,2-Dichloroethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
1,2-Dichloropropane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
1,3-Dichlorobenzene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
1,4-Dichlorobenzene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
2-Hexanone	ND		27		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
2-Butanone (MEK)	ND		27		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
4-Methyl-2-pentanone (MIBK)	ND		27		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Acetone	ND		27		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Benzene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Bromodichloromethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Bromoform	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Bromomethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Carbon disulfide	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Carbon tetrachloride	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Chlorobenzene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Dibromochloromethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Chloroethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Chloroform	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Chloromethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
cis-1,2-Dichloroethene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
cis-1,3-Dichloropropane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Cyclohexane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Dichlorodifluoromethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Ethylbenzene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Isopropylbenzene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Methyl acetate	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Methyl tert-butyl ether	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Methylcyclohexane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Methylene Chloride	5.9	B	5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Styrene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Tetrachloroethene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Toluene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
trans-1,2-Dichloroethene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
trans-1,3-Dichloropropane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Trichloroethene	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Trichlorofluoromethane	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Vinyl chloride	ND		5.5		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1
Xylenes, Total	ND		11		ug/Kg	*	05/24/13 15:37	05/25/13 03:59	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	*			05/24/13 15:37	05/25/13 03:59	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B15-S2

Lab Sample ID: 480-38260-16

Date Collected: 05/14/13 13:05

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 89.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	05/24/13 15:37	05/25/13 03:59	1
Toluene-d8 (Surr)	102		71 - 125	05/24/13 15:37	05/25/13 03:59	1
4-Bromofluorobenzene (Surr)	103		72 - 126	05/24/13 15:37	05/25/13 03:59	1

TestAmerica Buffalo

Surrogate Summary

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (64-126)	TOL (71-125)	BFB (72-126)
480-38260-1	C-B8-S	134 X	101	102
480-38260-3	C-B8-S3	96	102	104
480-38260-4	C-B9-S	95	99	105
480-38260-4MS	C-B9-S	85	98	98
480-38260-4MSD	C-B9-S	91	110	108
480-38260-5	C-B9-S2	94	102	104
480-38260-6	C-B10-S	93	100	101
480-38260-7	C-B11-S	103	100	88
480-38260-8	C-B11-S/D	104	100	102
480-38260-11	C-B11-S3	98	101	103
480-38260-12	C-B12-S	104	99	101
480-38260-13	C-B13-S	104	98	101
480-38260-14	C-B14-S	101	99	101
480-38260-15	C-B15-S	106	99	101
480-38260-16	C-B15-S2	100	102	103
LCS 480-119331/10	Lab Control Sample	88	101	108
LCS 480-119444/4	Lab Control Sample	104	97	104
LCS 480-120529/4	Lab Control Sample	99	99	101
MB 480-119331/7	Method Blank	89	100	109
MB 480-119444/5	Method Blank	102	99	101
MB 480-120529/27	Method Blank	104	98	98

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TestAmerica Buffalo

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: 480-38260-4MS

Matrix: Solid

Analysis Batch: 119331

Client Sample ID: C-B9-S

Prep Type: Total/NA

Prep Batch: 119005

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		61.1	57.8		ug/Kg	☆	95	73 - 126
1,1-Dichloroethene	ND		61.1	55.8		ug/Kg	☆	91	59 - 125
1,2-Dichlorobenzene	ND		61.1	39.9	F	ug/Kg	☆	65	75 - 120
1,2-Dichloroethane	ND		61.1	51.3		ug/Kg	☆	84	77 - 122
Benzene	ND		61.1	54.1		ug/Kg	☆	89	79 - 127
Chlorobenzene	ND		61.1	49.5		ug/Kg	☆	81	76 - 124
cis-1,2-Dichloroethene	ND		61.1	55.6		ug/Kg	☆	91	81 - 117
Ethylbenzene	ND		61.1	47.2	F	ug/Kg	☆	77	80 - 120
Methyl tert-butyl ether	ND		61.1	49.9		ug/Kg	☆	82	63 - 125
Tetrachloroethene	ND		61.1	54.8		ug/Kg	☆	90	74 - 122
Toluene	ND		61.1	52.3		ug/Kg	☆	86	74 - 128
trans-1,2-Dichloroethene	ND		61.1	54.8		ug/Kg	☆	90	78 - 126
Trichloroethene	ND		61.1	53.8		ug/Kg	☆	88	77 - 129

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85		64 - 126
Toluene-d8 (Surr)	98		71 - 125
4-Bromofluorobenzene (Surr)	98		72 - 126

Lab Sample ID: 480-38260-4MSD

Matrix: Solid

Analysis Batch: 119331

Client Sample ID: C-B9-S

Prep Type: Total/NA

Prep Batch: 119005

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1-Dichloroethane	ND		46.1	40.0	F	ug/Kg	☆	87	73 - 126	36	30
1,1-Dichloroethene	ND		46.1	36.7	F	ug/Kg	☆	80	59 - 125	41	30
1,2-Dichlorobenzene	ND		46.1	13.5	F	ug/Kg	☆	29	75 - 120	99	30
1,2-Dichloroethane	ND		46.1	37.6	F	ug/Kg	☆	82	77 - 122	31	30
Benzene	ND		46.1	34.6	F	ug/Kg	☆	75	79 - 127	44	30
Chlorobenzene	ND		46.1	28.0	F	ug/Kg	☆	61	76 - 124	56	30
cis-1,2-Dichloroethene	ND		46.1	38.0	F	ug/Kg	☆	83	81 - 117	38	30
Ethylbenzene	ND		46.1	21.5	F	ug/Kg	☆	47	80 - 120	75	30
Methyl tert-butyl ether	ND		46.1	39.4		ug/Kg	☆	86	63 - 125	23	30
Tetrachloroethene	ND		46.1	22.4	F	ug/Kg	☆	49	74 - 122	84	30
Toluene	ND		46.1	31.2	F	ug/Kg	☆	68	74 - 128	51	30
trans-1,2-Dichloroethene	ND		46.1	37.1	F	ug/Kg	☆	81	78 - 126	39	30
Trichloroethene	ND		46.1	30.4	F	ug/Kg	☆	66	77 - 129	55	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		64 - 126
Toluene-d8 (Surr)	110		71 - 125
4-Bromofluorobenzene (Surr)	108		72 - 126

TestAmerica Buffalo

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-119331/7

Matrix: Solid

Analysis Batch: 119331

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/Kg			05/17/13 18:45	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			05/17/13 18:45	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			05/17/13 18:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg			05/17/13 18:45	1
1,1-Dichloroethane	ND		5.0		ug/Kg			05/17/13 18:45	1
1,1-Dichloroethene	ND		5.0		ug/Kg			05/17/13 18:45	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			05/17/13 18:45	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg			05/17/13 18:45	1
1,2-Dibromoethane	ND		5.0		ug/Kg			05/17/13 18:45	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			05/17/13 18:45	1
1,2-Dichloroethane	ND		5.0		ug/Kg			05/17/13 18:45	1
1,2-Dichloropropane	ND		5.0		ug/Kg			05/17/13 18:45	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			05/17/13 18:45	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			05/17/13 18:45	1
2-Hexanone	ND		25		ug/Kg			05/17/13 18:45	1
2-Butanone (MEK)	ND		25		ug/Kg			05/17/13 18:45	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/Kg			05/17/13 18:45	1
Acetone	ND		25		ug/Kg			05/17/13 18:45	1
Benzene	ND		5.0		ug/Kg			05/17/13 18:45	1
Bromodichloromethane	ND		5.0		ug/Kg			05/17/13 18:45	1
Bromoform	ND		5.0		ug/Kg			05/17/13 18:45	1
Bromomethane	ND		5.0		ug/Kg			05/17/13 18:45	1
Carbon disulfide	ND		5.0		ug/Kg			05/17/13 18:45	1
Carbon tetrachloride	ND		5.0		ug/Kg			05/17/13 18:45	1
Chlorobenzene	ND		5.0		ug/Kg			05/17/13 18:45	1
Dibromochloromethane	ND		5.0		ug/Kg			05/17/13 18:45	1
Chloroethane	ND		5.0		ug/Kg			05/17/13 18:45	1
Chloroform	ND		5.0		ug/Kg			05/17/13 18:45	1
Chloromethane	ND		5.0		ug/Kg			05/17/13 18:45	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			05/17/13 18:45	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			05/17/13 18:45	1
Cyclohexane	ND		5.0		ug/Kg			05/17/13 18:45	1
Dichlorodifluoromethane	ND		5.0		ug/Kg			05/17/13 18:45	1
Ethylbenzene	ND		5.0		ug/Kg			05/17/13 18:45	1
Isopropylbenzene	ND		5.0		ug/Kg			05/17/13 18:45	1
Methyl acetate	ND		5.0		ug/Kg			05/17/13 18:45	1
Methyl tert-butyl ether	ND		5.0		ug/Kg			05/17/13 18:45	1
Methylcyclohexane	ND		5.0		ug/Kg			05/17/13 18:45	1
Methylene Chloride	ND		5.0		ug/Kg			05/17/13 18:45	1
Styrene	ND		5.0		ug/Kg			05/17/13 18:45	1
Tetrachloroethene	ND		5.0		ug/Kg			05/17/13 18:45	1
Toluene	ND		5.0		ug/Kg			05/17/13 18:45	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			05/17/13 18:45	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			05/17/13 18:45	1
Trichloroethene	ND		5.0		ug/Kg			05/17/13 18:45	1
Trichlorofluoromethane	ND		5.0		ug/Kg			05/17/13 18:45	1
Vinyl chloride	ND		5.0		ug/Kg			05/17/13 18:45	1
Xylenes, Total	ND		10		ug/Kg			05/17/13 18:45	1

TestAmerica Buffalo

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-119331/7

Matrix: Solid

Analysis Batch: 119331

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg					05/17/13 18:45	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		64 - 126					05/17/13 18:45	1
Toluene-d8 (Surr)	100		71 - 125					05/17/13 18:45	1
4-Bromofluorobenzene (Surr)	109		72 - 126					05/17/13 18:45	1

Lab Sample ID: LCS 480-119331/10

Matrix: Solid

Analysis Batch: 119331

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	47.8		ug/Kg		96	73 - 126
1,1-Dichloroethene	50.0	41.8		ug/Kg		84	59 - 125
1,2-Dichlorobenzene	50.0	54.9		ug/Kg		110	75 - 120
1,2-Dichloroethane	50.0	50.6		ug/Kg		101	77 - 122
Benzene	50.0	49.6		ug/Kg		99	79 - 127
Chlorobenzene	50.0	57.3		ug/Kg		115	76 - 124
cis-1,2-Dichloroethene	50.0	49.5		ug/Kg		99	81 - 117
Ethylbenzene	50.0	57.1		ug/Kg		114	80 - 120
Methyl tert-butyl ether	50.0	47.8		ug/Kg		96	63 - 125
Tetrachloroethene	50.0	60.0		ug/Kg		120	74 - 122
Toluene	50.0	54.8		ug/Kg		110	74 - 128
trans-1,2-Dichloroethene	50.0	50.4		ug/Kg		101	78 - 126
Trichloroethene	50.0	51.2		ug/Kg		102	77 - 129

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		64 - 126
Toluene-d8 (Surr)	101		71 - 125
4-Bromofluorobenzene (Surr)	108		72 - 126

Lab Sample ID: MB 480-119444/5

Matrix: Solid

Analysis Batch: 119444

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/Kg			05/18/13 14:04	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			05/18/13 14:04	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			05/18/13 14:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg			05/18/13 14:04	1
1,1-Dichloroethane	ND		5.0		ug/Kg			05/18/13 14:04	1
1,1-Dichloroethene	ND		5.0		ug/Kg			05/18/13 14:04	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			05/18/13 14:04	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg			05/18/13 14:04	1
1,2-Dibromoethane	ND		5.0		ug/Kg			05/18/13 14:04	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			05/18/13 14:04	1
1,2-Dichloroethane	ND		5.0		ug/Kg			05/18/13 14:04	1

TestAmerica Buffalo

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-119444/5

Matrix: Solid

Analysis Batch: 119444

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		5.0		ug/Kg			05/18/13 14:04	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			05/18/13 14:04	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			05/18/13 14:04	1
2-Hexanone	ND		25		ug/Kg			05/18/13 14:04	1
2-Butanone (MEK)	ND		25		ug/Kg			05/18/13 14:04	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/Kg			05/18/13 14:04	1
Acetone	ND		25		ug/Kg			05/18/13 14:04	1
Benzene	ND		5.0		ug/Kg			05/18/13 14:04	1
Bromodichloromethane	ND		5.0		ug/Kg			05/18/13 14:04	1
Bromoform	ND		5.0		ug/Kg			05/18/13 14:04	1
Bromomethane	ND		5.0		ug/Kg			05/18/13 14:04	1
Carbon disulfide	ND		5.0		ug/Kg			05/18/13 14:04	1
Carbon tetrachloride	ND		5.0		ug/Kg			05/18/13 14:04	1
Chlorobenzene	ND		5.0		ug/Kg			05/18/13 14:04	1
Dibromochloromethane	ND		5.0		ug/Kg			05/18/13 14:04	1
Chloroethane	ND		5.0		ug/Kg			05/18/13 14:04	1
Chloroform	ND		5.0		ug/Kg			05/18/13 14:04	1
Chloromethane	ND		5.0		ug/Kg			05/18/13 14:04	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			05/18/13 14:04	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			05/18/13 14:04	1
Cyclohexane	ND		5.0		ug/Kg			05/18/13 14:04	1
Dichlorodifluoromethane	ND		5.0		ug/Kg			05/18/13 14:04	1
Ethylbenzene	ND		5.0		ug/Kg			05/18/13 14:04	1
Isopropylbenzene	ND		5.0		ug/Kg			05/18/13 14:04	1
Methyl acetate	ND		5.0		ug/Kg			05/18/13 14:04	1
Methyl tert-butyl ether	ND		5.0		ug/Kg			05/18/13 14:04	1
Methylcyclohexane	ND		5.0		ug/Kg			05/18/13 14:04	1
Methylene Chloride	ND		5.0		ug/Kg			05/18/13 14:04	1
Styrene	ND		5.0		ug/Kg			05/18/13 14:04	1
Tetrachloroethene	ND		5.0		ug/Kg			05/18/13 14:04	1
Toluene	ND		5.0		ug/Kg			05/18/13 14:04	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			05/18/13 14:04	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			05/18/13 14:04	1
Trichloroethene	ND		5.0		ug/Kg			05/18/13 14:04	1
Trichlorofluoromethane	ND		5.0		ug/Kg			05/18/13 14:04	1
Vinyl chloride	ND		5.0		ug/Kg			05/18/13 14:04	1
Xylenes, Total	ND		10		ug/Kg			05/18/13 14:04	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg					05/18/13 14:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		64 - 126		05/18/13 14:04	1
Toluene-d8 (Surr)	99		71 - 125		05/18/13 14:04	1
4-Bromofluorobenzene (Surr)	101		72 - 126		05/18/13 14:04	1

TestAmerica Buffalo

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-119444/4

Matrix: Solid

Analysis Batch: 119444

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	52.9		ug/Kg		106	73 - 126
1,1-Dichloroethene	50.0	44.7		ug/Kg		89	59 - 125
1,2-Dichlorobenzene	50.0	52.8		ug/Kg		106	75 - 120
1,2-Dichloroethane	50.0	58.6		ug/Kg		117	77 - 122
Benzene	50.0	52.3		ug/Kg		105	79 - 127
Chlorobenzene	50.0	53.0		ug/Kg		106	76 - 124
cis-1,2-Dichloroethene	50.0	52.1		ug/Kg		104	81 - 117
Ethylbenzene	50.0	54.6		ug/Kg		109	80 - 120
Methyl tert-butyl ether	50.0	53.7		ug/Kg		107	63 - 125
Tetrachloroethene	50.0	54.6		ug/Kg		109	74 - 122
Toluene	50.0	52.9		ug/Kg		106	74 - 128
trans-1,2-Dichloroethene	50.0	53.4		ug/Kg		107	78 - 126
Trichloroethene	50.0	52.6		ug/Kg		105	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		64 - 126
Toluene-d8 (Surr)	97		71 - 125
4-Bromofluorobenzene (Surr)	104		72 - 126

Lab Sample ID: MB 480-120529/27

Matrix: Solid

Analysis Batch: 120529

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/Kg			05/24/13 22:40	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			05/24/13 22:40	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			05/24/13 22:40	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		5.0		ug/Kg			05/24/13 22:40	1
1,1-Dichloroethane	ND		5.0		ug/Kg			05/24/13 22:40	1
1,1-Dichloroethene	ND		5.0		ug/Kg			05/24/13 22:40	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			05/24/13 22:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg			05/24/13 22:40	1
1,2-Dibromoethane	ND		5.0		ug/Kg			05/24/13 22:40	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			05/24/13 22:40	1
1,2-Dichloroethane	ND		5.0		ug/Kg			05/24/13 22:40	1
1,2-Dichloropropane	ND		5.0		ug/Kg			05/24/13 22:40	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			05/24/13 22:40	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			05/24/13 22:40	1
2-Hexanone	ND		25		ug/Kg			05/24/13 22:40	1
2-Butanone (MEK)	ND		25		ug/Kg			05/24/13 22:40	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/Kg			05/24/13 22:40	1
Acetone	ND		25		ug/Kg			05/24/13 22:40	1
Benzene	ND		5.0		ug/Kg			05/24/13 22:40	1
Bromodichloromethane	ND		5.0		ug/Kg			05/24/13 22:40	1
Bromoform	ND		5.0		ug/Kg			05/24/13 22:40	1
Bromomethane	ND		5.0		ug/Kg			05/24/13 22:40	1
Carbon disulfide	ND		5.0		ug/Kg			05/24/13 22:40	1
Carbon tetrachloride	ND		5.0		ug/Kg			05/24/13 22:40	1

TestAmerica Buffalo

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-120529/27

Matrix: Solid

Analysis Batch: 120529

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		5.0		ug/Kg			05/24/13 22:40	1
Dibromochloromethane	ND		5.0		ug/Kg			05/24/13 22:40	1
Chloroethane	ND		5.0		ug/Kg			05/24/13 22:40	1
Chloroform	ND		5.0		ug/Kg			05/24/13 22:40	1
Chloromethane	ND		5.0		ug/Kg			05/24/13 22:40	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			05/24/13 22:40	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			05/24/13 22:40	1
Cyclohexane	ND		5.0		ug/Kg			05/24/13 22:40	1
Dichlorodifluoromethane	ND		5.0		ug/Kg			05/24/13 22:40	1
Ethylbenzene	ND		5.0		ug/Kg			05/24/13 22:40	1
Isopropylbenzene	ND		5.0		ug/Kg			05/24/13 22:40	1
Methyl acetate	ND		5.0		ug/Kg			05/24/13 22:40	1
Methyl tert-butyl ether	ND		5.0		ug/Kg			05/24/13 22:40	1
Methylcyclohexane	ND		5.0		ug/Kg			05/24/13 22:40	1
Methylene Chloride	5.27		5.0		ug/Kg			05/24/13 22:40	1
Styrene	ND		5.0		ug/Kg			05/24/13 22:40	1
Tetrachloroethene	ND		5.0		ug/Kg			05/24/13 22:40	1
Toluene	ND		5.0		ug/Kg			05/24/13 22:40	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			05/24/13 22:40	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			05/24/13 22:40	1
Trichloroethene	ND		5.0		ug/Kg			05/24/13 22:40	1
Trichlorofluoromethane	ND		5.0		ug/Kg			05/24/13 22:40	1
Vinyl chloride	ND		5.0		ug/Kg			05/24/13 22:40	1
Xylenes, Total	ND		10		ug/Kg			05/24/13 22:40	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg					05/24/13 22:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		64 - 126		05/24/13 22:40	1
Toluene-d8 (Surr)	98		71 - 125		05/24/13 22:40	1
4-Bromofluorobenzene (Surr)	98		72 - 126		05/24/13 22:40	1

Lab Sample ID: LCS 480-120529/4

Matrix: Solid

Analysis Batch: 120529

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	54.7		ug/Kg		109	73 - 126
1,1-Dichloroethene	50.0	48.2		ug/Kg		96	59 - 125
1,2-Dichlorobenzene	50.0	54.1		ug/Kg		108	75 - 120
1,2-Dichloroethane	50.0	52.3		ug/Kg		105	77 - 122
Benzene	50.0	56.4		ug/Kg		113	79 - 127
Chlorobenzene	50.0	55.9		ug/Kg		112	76 - 124
cis-1,2-Dichloroethene	50.0	54.7		ug/Kg		109	81 - 117
Ethylbenzene	50.0	57.2		ug/Kg		114	80 - 120
Methyl tert-butyl ether	50.0	50.7		ug/Kg		101	63 - 125

TestAmerica Buffalo

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-120529/4

Matrix: Solid

Analysis Batch: 120529

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	50.0	56.5		ug/Kg		113	74 - 122
Toluene	50.0	56.2		ug/Kg		112	74 - 128
trans-1,2-Dichloroethene	50.0	57.1		ug/Kg		114	78 - 126
Trichloroethene	50.0	54.5		ug/Kg		109	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		64 - 126
Toluene-d8 (Surr)	99		71 - 125
4-Bromofluorobenzene (Surr)	101		72 - 126

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-118710/1-A

Matrix: Solid

Analysis Batch: 119501

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 118710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.9		mg/Kg		05/15/13 16:00	05/17/13 20:21	1
Barium	ND		0.48		mg/Kg		05/15/13 16:00	05/17/13 20:21	1
Cadmium	ND		0.19		mg/Kg		05/15/13 16:00	05/17/13 20:21	1
Chromium	ND		0.48		mg/Kg		05/15/13 16:00	05/17/13 20:21	1
Lead	ND		0.96		mg/Kg		05/15/13 16:00	05/17/13 20:21	1
Selenium	ND		3.8		mg/Kg		05/15/13 16:00	05/17/13 20:21	1
Silver	ND		0.48		mg/Kg		05/15/13 16:00	05/17/13 20:21	1

Lab Sample ID: LCSSRM 480-118710/2-A

Matrix: Solid

Analysis Batch: 119501

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 118710

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	182	196.2		mg/Kg		107.8	70.9 - 129.7
Barium	143	152.3		mg/Kg		106.6	72.7 - 128.0
Cadmium	60.4	63.18		mg/Kg		104.6	73.2 - 129.3
Chromium	125	125.7		mg/Kg		100.6	69.8 - 129.6
Lead	136	146.2		mg/Kg		107.5	73.1 - 127.2
Selenium	85.9	94.65		mg/Kg		110.2	63.9 - 136.2
Silver	61.3	62.45		mg/Kg		101.9	66.9 - 133.1

TestAmerica Buffalo

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 480-38260-2 MS

Matrix: Solid

Analysis Batch: 119501

Client Sample ID: C-B8-S2

Prep Type: Total/NA

Prep Batch: 118710

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Arsenic	3.4		42.5	45.37		mg/Kg	☼	99	75 - 125	
Barium	35.3		42.5	86.80		mg/Kg	☼	121	75 - 125	
Cadmium	ND		42.5	41.98		mg/Kg	☼	98	75 - 125	
Chromium	7.0		42.5	47.64		mg/Kg	☼	96	75 - 125	
Lead	7.0		42.5	48.76		mg/Kg	☼	98	75 - 125	
Selenium	ND		42.5	42.92		mg/Kg	☼	101	75 - 125	
Silver	ND		10.6	10.98		mg/Kg	☼	103	75 - 125	

Lab Sample ID: 480-38260-2 MSD

Matrix: Solid

Analysis Batch: 119501

Client Sample ID: C-B8-S2

Prep Type: Total/NA

Prep Batch: 118710

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	3.4		45.4	46.58		mg/Kg	☼	95	75 - 125	3	20
Barium	35.3		45.4	92.69	F	mg/Kg	☼	126	75 - 125	7	20
Cadmium	ND		45.4	42.94		mg/Kg	☼	94	75 - 125	2	20
Chromium	7.0		45.4	49.74		mg/Kg	☼	94	75 - 125	4	20
Lead	7.0		45.4	48.85		mg/Kg	☼	92	75 - 125	0	20
Selenium	ND		45.4	43.52		mg/Kg	☼	96	75 - 125	1	20
Silver	ND		11.3	11.44		mg/Kg	☼	101	75 - 125	4	20

Lab Sample ID: 480-38260-4MS

Matrix: Solid

Analysis Batch: 119501

Client Sample ID: C-B9-S

Prep Type: Total/NA

Prep Batch: 118710

	Sample	Sample	Spike	MS	MS			%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Arsenic	4.6		43.9	44.74		mg/Kg	☼	92	75 - 125
Barium	58.1		43.9	99.81		mg/Kg	☼	95	75 - 125
Cadmium	1.3		43.9	41.91		mg/Kg	☼	93	75 - 125
Chromium	11.4		43.9	49.62		mg/Kg	☼	87	75 - 125
Lead	123		43.9	155.6	F	mg/Kg	☼	73	75 - 125
Selenium	ND		43.9	40.74		mg/Kg	☼	91	75 - 125
Silver	ND		11.0	11.63		mg/Kg	☼	106	75 - 125

Lab Sample ID: 480-38260-4MSD

Matrix: Solid

Analysis Batch: 119501

Client Sample ID: C-B9-S

Prep Type: Total/NA

Prep Batch: 118710

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limit		Limit	
Arsenic	4.6		51.6	52.38		mg/Kg	☼	93	75 - 125		16	20
Barium	58.1		51.6	85.70	F	mg/Kg	☼	54	75 - 125		15	20
Cadmium	1.3		51.6	49.65		mg/Kg	☼	94	75 - 125		17	20
Chromium	11.4		51.6	57.01		mg/Kg	☼	88	75 - 125		14	20
Lead	123		51.6	137.9	F	mg/Kg	☼	28	75 - 125		12	20
Selenium	ND		51.6	49.43		mg/Kg	☼	94	75 - 125		19	20
Silver	ND		12.9	13.23		mg/Kg	☼	103	75 - 125		13	20

TestAmerica Buffalo

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Method: 7471A_ASP - Mercury (CVAA)

Lab Sample ID: MB 480-118968/1-A Matrix: Solid Analysis Batch: 119025										Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 118968			
Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac				
Mercury	ND		0.020		mg/Kg		05/16/13 09:00	05/16/13 13:09	1				
Lab Sample ID: LCSSRM 480-118968/2-A Matrix: Solid Analysis Batch: 119025										Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 118968			
Analyte	Spike	LCSSRM	LCSSRM	Unit	D	%Rec	%Rec	Limits					
Mercury	Added	Result	Qualifier	mg/Kg		91.5	50.9 - 149.1						
	3.77	3.45											
Lab Sample ID: 480-38260-2 MS Matrix: Solid Analysis Batch: 119025										Client Sample ID: C-B8-S2 Prep Type: Total/NA Prep Batch: 118968			
Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits			
Mercury	Result	Qualifier	Added	Result	Qualifier	mg/Kg	⊗	95	75 - 125				
	ND		0.357	0.340									
Lab Sample ID: 480-38260-2 MSD Matrix: Solid Analysis Batch: 119025										Client Sample ID: C-B8-S2 Prep Type: Total/NA Prep Batch: 118968			
Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD	Limit
Mercury	Result	Qualifier	Added	Result	Qualifier	mg/Kg	⊗	93	75 - 125		0	20	
	ND		0.366	0.340									
Lab Sample ID: 480-38260-4MS Matrix: Solid Analysis Batch: 119025										Client Sample ID: C-B9-S Prep Type: Total/NA Prep Batch: 118968			
Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits			
Mercury	Result	Qualifier	Added	Result	Qualifier	mg/Kg	⊗	85	75 - 125				
	0.033		0.385	0.362									
Lab Sample ID: 480-38260-4MSD Matrix: Solid Analysis Batch: 119025										Client Sample ID: C-B9-S Prep Type: Total/NA Prep Batch: 118968			
Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD	Limit
Mercury	Result	Qualifier	Added	Result	Qualifier	mg/Kg	⊗	89	75 - 125		1	20	
	0.033		0.375	0.366									

TestAmerica Buffalo

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

GC/MS VOA

Prep Batch: 119005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38260-1	C-B8-S	Total/NA	Solid	5035	
480-38260-4	C-B9-S	Total/NA	Solid	5035	
480-38260-4MS	C-B9-S	Total/NA	Solid	5035	
480-38260-4MSD	C-B9-S	Total/NA	Solid	5035	
480-38260-7	C-B11-S	Total/NA	Solid	5035	
480-38260-8	C-B11-S/D	Total/NA	Solid	5035	
480-38260-12	C-B12-S	Total/NA	Solid	5035	
480-38260-13	C-B13-S	Total/NA	Solid	5035	
480-38260-14	C-B14-S	Total/NA	Solid	5035	
480-38260-15	C-B15-S	Total/NA	Solid	5035	

Analysis Batch: 119331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38260-1	C-B8-S	Total/NA	Solid	8260B	119005
480-38260-4	C-B9-S	Total/NA	Solid	8260B	119005
480-38260-4MS	C-B9-S	Total/NA	Solid	8260B	119005
480-38260-4MSD	C-B9-S	Total/NA	Solid	8260B	119005
480-38260-7	C-B11-S	Total/NA	Solid	8260B	119005
LCS 480-119331/10	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-119331/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 119444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38260-8	C-B11-S/D	Total/NA	Solid	8260B	119005
480-38260-12	C-B12-S	Total/NA	Solid	8260B	119005
480-38260-13	C-B13-S	Total/NA	Solid	8260B	119005
480-38260-14	C-B14-S	Total/NA	Solid	8260B	119005
480-38260-15	C-B15-S	Total/NA	Solid	8260B	119005
LCS 480-119444/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-119444/5	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 120513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38260-3	C-B8-S3	Total/NA	Solid	5035	
480-38260-5	C-B9-S2	Total/NA	Solid	5035	
480-38260-6	C-B10-S	Total/NA	Solid	5035	
480-38260-11	C-B11-S3	Total/NA	Solid	5035	
480-38260-16	C-B15-S2	Total/NA	Solid	5035	

Analysis Batch: 120529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38260-3	C-B8-S3	Total/NA	Solid	8260B	120513
480-38260-5	C-B9-S2	Total/NA	Solid	8260B	120513
480-38260-6	C-B10-S	Total/NA	Solid	8260B	120513
480-38260-11	C-B11-S3	Total/NA	Solid	8260B	120513
480-38260-16	C-B15-S2	Total/NA	Solid	8260B	120513
LCS 480-120529/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-120529/27	Method Blank	Total/NA	Solid	8260B	

TestAmerica Buffalo

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Metals

Prep Batch: 118710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38260-2	C-B8-S2	Total/NA	Solid	3050B	
480-38260-2 MS	C-B8-S2	Total/NA	Solid	3050B	
480-38260-2 MSD	C-B8-S2	Total/NA	Solid	3050B	
480-38260-4	C-B9-S	Total/NA	Solid	3050B	
480-38260-4MS	C-B9-S	Total/NA	Solid	3050B	
480-38260-4MSD	C-B9-S	Total/NA	Solid	3050B	
480-38260-6	C-B10-S	Total/NA	Solid	3050B	
480-38260-9	C-B11-S2	Total/NA	Solid	3050B	
480-38260-10	C-B11-S2/D	Total/NA	Solid	3050B	
480-38260-12	C-B12-S	Total/NA	Solid	3050B	
480-38260-13	C-B13-S	Total/NA	Solid	3050B	
480-38260-14	C-B14-S	Total/NA	Solid	3050B	
480-38260-15	C-B15-S	Total/NA	Solid	3050B	
LCSSRM 480-118710/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-118710/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 118968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38260-2	C-B8-S2	Total/NA	Solid	7471A	
480-38260-2 MS	C-B8-S2	Total/NA	Solid	7471A	
480-38260-2 MSD	C-B8-S2	Total/NA	Solid	7471A	
480-38260-4	C-B9-S	Total/NA	Solid	7471A	
480-38260-4MS	C-B9-S	Total/NA	Solid	7471A	
480-38260-4MSD	C-B9-S	Total/NA	Solid	7471A	
480-38260-6	C-B10-S	Total/NA	Solid	7471A	
480-38260-9	C-B11-S2	Total/NA	Solid	7471A	
480-38260-10	C-B11-S2/D	Total/NA	Solid	7471A	
480-38260-12	C-B12-S	Total/NA	Solid	7471A	
480-38260-13	C-B13-S	Total/NA	Solid	7471A	
480-38260-14	C-B14-S	Total/NA	Solid	7471A	
480-38260-15	C-B15-S	Total/NA	Solid	7471A	
LCSSRM 480-118968/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 480-118968/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 119025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38260-2	C-B8-S2	Total/NA	Solid	7471A_ASP	118968
480-38260-2 MS	C-B8-S2	Total/NA	Solid	7471A_ASP	118968
480-38260-2 MSD	C-B8-S2	Total/NA	Solid	7471A_ASP	118968
480-38260-4	C-B9-S	Total/NA	Solid	7471A_ASP	118968
480-38260-4MS	C-B9-S	Total/NA	Solid	7471A_ASP	118968
480-38260-4MSD	C-B9-S	Total/NA	Solid	7471A_ASP	118968
480-38260-6	C-B10-S	Total/NA	Solid	7471A_ASP	118968
480-38260-9	C-B11-S2	Total/NA	Solid	7471A_ASP	118968
480-38260-10	C-B11-S2/D	Total/NA	Solid	7471A_ASP	118968
480-38260-12	C-B12-S	Total/NA	Solid	7471A_ASP	118968
480-38260-13	C-B13-S	Total/NA	Solid	7471A_ASP	118968
480-38260-14	C-B14-S	Total/NA	Solid	7471A_ASP	118968
480-38260-15	C-B15-S	Total/NA	Solid	7471A_ASP	118968
LCSSRM 480-118968/2-A	Lab Control Sample	Total/NA	Solid	7471A_ASP	118968
MB 480-118968/1-A	Method Blank	Total/NA	Solid	7471A_ASP	118968

TestAmerica Buffalo

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Metals (Continued)

Analysis Batch: 119501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38260-2	C-B8-S2	Total/NA	Solid	6010B	118710
480-38260-2 MS	C-B8-S2	Total/NA	Solid	6010B	118710
480-38260-2 MSD	C-B8-S2	Total/NA	Solid	6010B	118710
480-38260-4	C-B9-S	Total/NA	Solid	6010B	118710
480-38260-4MS	C-B9-S	Total/NA	Solid	6010B	118710
480-38260-4MSD	C-B9-S	Total/NA	Solid	6010B	118710
480-38260-6	C-B10-S	Total/NA	Solid	6010B	118710
480-38260-9	C-B11-S2	Total/NA	Solid	6010B	118710
480-38260-10	C-B11-S2/D	Total/NA	Solid	6010B	118710
480-38260-12	C-B12-S	Total/NA	Solid	6010B	118710
480-38260-13	C-B13-S	Total/NA	Solid	6010B	118710
480-38260-14	C-B14-S	Total/NA	Solid	6010B	118710
480-38260-15	C-B15-S	Total/NA	Solid	6010B	118710
LCSSRM 480-118710/2-A	Lab Control Sample	Total/NA	Solid	6010B	118710
MB 480-118710/1-A	Method Blank	Total/NA	Solid	6010B	118710

General Chemistry

Analysis Batch: 118599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38260-1	C-B8-S	Total/NA	Solid	Moisture	
480-38260-2	C-B8-S2	Total/NA	Solid	Moisture	
480-38260-2 MS	C-B8-S2	Total/NA	Solid	Moisture	
480-38260-2 MSD	C-B8-S2	Total/NA	Solid	Moisture	
480-38260-3	C-B8-S3	Total/NA	Solid	Moisture	
480-38260-4	C-B9-S	Total/NA	Solid	Moisture	
480-38260-4MS	C-B9-S	Total/NA	Solid	Moisture	
480-38260-4MSD	C-B9-S	Total/NA	Solid	Moisture	
480-38260-5	C-B9-S2	Total/NA	Solid	Moisture	
480-38260-6	C-B10-S	Total/NA	Solid	Moisture	
480-38260-7	C-B11-S	Total/NA	Solid	Moisture	
480-38260-8	C-B11-S/D	Total/NA	Solid	Moisture	
480-38260-9	C-B11-S2	Total/NA	Solid	Moisture	
480-38260-10	C-B11-S2/D	Total/NA	Solid	Moisture	
480-38260-11	C-B11-S3	Total/NA	Solid	Moisture	
480-38260-12	C-B12-S	Total/NA	Solid	Moisture	
480-38260-13	C-B13-S	Total/NA	Solid	Moisture	
480-38260-14	C-B14-S	Total/NA	Solid	Moisture	
480-38260-15	C-B15-S	Total/NA	Solid	Moisture	
480-38260-16	C-B15-S2	Total/NA	Solid	Moisture	

TestAmerica Buffalo

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B8-S

Date Collected: 05/13/13 09:28

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-1

Matrix: Solid

Percent Solids: 75.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119005	05/16/13 11:29	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	119331	05/18/13 00:44	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	118599	05/14/13 20:11		TAL BUF

Client Sample ID: C-B8-S2

Date Collected: 05/13/13 09:30

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-2

Matrix: Solid

Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			118968	05/16/13 09:00	JRK	TAL BUF
Total/NA	Analysis	7471A_ASP		1	119025	05/16/13 12:05	JRK	TAL BUF
Total/NA	Prep	3050B			118710	05/15/13 16:00	JM	TAL BUF
Total/NA	Analysis	6010B		1	119501	05/17/13 20:31	LH	TAL BUF
Total/NA	Analysis	Moisture		1	118599	05/14/13 20:11		TAL BUF

Client Sample ID: C-B8-S3

Date Collected: 05/13/13 09:35

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-3

Matrix: Solid

Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			120513	05/24/13 15:37	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	120529	05/25/13 02:17	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	118599	05/14/13 20:11		TAL BUF

Client Sample ID: C-B9-S

Date Collected: 05/13/13 10:30

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-4

Matrix: Solid

Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119005	05/16/13 11:29	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	119331	05/17/13 23:27	PJQ	TAL BUF
Total/NA	Prep	7471A			118968	05/16/13 09:00	JRK	TAL BUF
Total/NA	Analysis	7471A_ASP		1	119025	05/16/13 12:12	JRK	TAL BUF
Total/NA	Prep	3050B			118710	05/15/13 16:00	JM	TAL BUF
Total/NA	Analysis	6010B		1	119501	05/17/13 20:43	LH	TAL BUF
Total/NA	Analysis	Moisture		1	118599	05/14/13 20:11		TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B9-S2

Lab Sample ID: 480-38260-5

Date Collected: 05/13/13 10:39

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			120513	05/24/13 15:37	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	120529	05/25/13 02:42	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	118599	05/14/13 20:11		TAL BUF

Client Sample ID: C-B10-S

Lab Sample ID: 480-38260-6

Date Collected: 05/13/13 11:30

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			120513	05/24/13 15:37	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	120529	05/25/13 03:08	PJQ	TAL BUF
Total/NA	Prep	7471A			118968	05/16/13 09:00	JRK	TAL BUF
Total/NA	Analysis	7471A_ASP		1	119025	05/16/13 12:22	JRK	TAL BUF
Total/NA	Prep	3050B			118710	05/15/13 16:00	JM	TAL BUF
Total/NA	Analysis	6010B		1	119501	05/17/13 20:51	LH	TAL BUF
Total/NA	Analysis	Moisture		1	118599	05/14/13 20:11		TAL BUF

Client Sample ID: C-B11-S

Lab Sample ID: 480-38260-7

Date Collected: 05/13/13 12:25

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 71.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119005	05/16/13 11:29	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	119331	05/18/13 01:09	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	118599	05/14/13 20:11		TAL BUF

Client Sample ID: C-B11-S/D

Lab Sample ID: 480-38260-8

Date Collected: 05/13/13 12:25

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 76.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119005	05/16/13 11:29	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	119444	05/18/13 20:08	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	118599	05/14/13 20:11		TAL BUF

Client Sample ID: C-B11-S2

Lab Sample ID: 480-38260-9

Date Collected: 05/13/13 12:30

Matrix: Solid

Date Received: 05/14/13 15:30

Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			118968	05/16/13 09:00	JRK	TAL BUF
Total/NA	Analysis	7471A_ASP		1	119025	05/16/13 12:24	JRK	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B11-S2

Date Collected: 05/13/13 12:30

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-9

Matrix: Solid

Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			118710	05/15/13 16:00	JM	TAL BUF
Total/NA	Analysis	6010B		1	119501	05/17/13 20:58	LH	TAL BUF
Total/NA	Analysis	Moisture		1	118599	05/14/13 20:11		TAL BUF

Client Sample ID: C-B11-S2/D

Date Collected: 05/13/13 12:30

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-10

Matrix: Solid

Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			118968	05/16/13 09:00	JRK	TAL BUF
Total/NA	Analysis	7471A_ASP		1	119025	05/16/13 12:26	JRK	TAL BUF
Total/NA	Prep	3050B			118710	05/15/13 16:00	JM	TAL BUF
Total/NA	Analysis	6010B		1	119501	05/17/13 21:01	LH	TAL BUF
Total/NA	Analysis	Moisture		1	118599	05/14/13 20:11		TAL BUF

Client Sample ID: C-B11-S3

Date Collected: 05/13/13 12:40

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-11

Matrix: Solid

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			120513	05/24/13 15:37	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	120529	05/25/13 03:33	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	118599	05/14/13 20:11		TAL BUF

Client Sample ID: C-B12-S

Date Collected: 05/14/13 09:07

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-12

Matrix: Solid

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119005	05/16/13 11:29	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	119444	05/18/13 20:33	CDC	TAL BUF
Total/NA	Prep	7471A			118968	05/16/13 09:00	JRK	TAL BUF
Total/NA	Analysis	7471A_ASP		1	119025	05/16/13 12:29	JRK	TAL BUF
Total/NA	Prep	3050B			118710	05/15/13 16:00	JM	TAL BUF
Total/NA	Analysis	6010B		1	119501	05/17/13 21:03	LH	TAL BUF
Total/NA	Analysis	Moisture		1	118599	05/14/13 20:11		TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Client Sample ID: C-B13-S

Date Collected: 05/14/13 10:05

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-13

Matrix: Solid

Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119005	05/16/13 11:29	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	119444	05/18/13 20:59	CDC	TAL BUF
Total/NA	Prep	7471A			118968	05/16/13 09:00	JRK	TAL BUF
Total/NA	Analysis	7471A_ASP		1	119025	05/16/13 12:31	JRK	TAL BUF
Total/NA	Prep	3050B			118710	05/15/13 16:00	JM	TAL BUF
Total/NA	Analysis	6010B		1	119501	05/17/13 21:06	LH	TAL BUF
Total/NA	Analysis	Moisture		1	118599	05/14/13 20:11		TAL BUF

Client Sample ID: C-B14-S

Date Collected: 05/14/13 11:10

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-14

Matrix: Solid

Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119005	05/16/13 11:29	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	119444	05/18/13 21:24	CDC	TAL BUF
Total/NA	Prep	7471A			118968	05/16/13 09:00	JRK	TAL BUF
Total/NA	Analysis	7471A_ASP		1	119025	05/16/13 12:33	JRK	TAL BUF
Total/NA	Prep	3050B			118710	05/15/13 16:00	JM	TAL BUF
Total/NA	Analysis	6010B		1	119501	05/17/13 21:08	LH	TAL BUF
Total/NA	Analysis	Moisture		1	118599	05/14/13 20:11		TAL BUF

Client Sample ID: C-B15-S

Date Collected: 05/14/13 12:40

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-15

Matrix: Solid

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119005	05/16/13 11:29	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	119444	05/18/13 21:49	CDC	TAL BUF
Total/NA	Prep	7471A			118968	05/16/13 09:00	JRK	TAL BUF
Total/NA	Analysis	7471A_ASP		1	119025	05/16/13 12:35	JRK	TAL BUF
Total/NA	Prep	3050B			118710	05/15/13 16:00	JM	TAL BUF
Total/NA	Analysis	6010B		1	119501	05/17/13 21:11	LH	TAL BUF
Total/NA	Analysis	Moisture		1	118599	05/14/13 20:11		TAL BUF

Client Sample ID: C-B15-S2

Date Collected: 05/14/13 13:05

Date Received: 05/14/13 15:30

Lab Sample ID: 480-38260-16

Matrix: Solid

Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			120513	05/24/13 15:37	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	120529	05/25/13 03:59	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	118599	05/14/13 20:11		TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



TestAmerica Buffalo

Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed Not all certifications are applicable to this report

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-14
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	03-31-14
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-15-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-14
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13 *
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-13
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-14
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAP	10	NY200003	06-09-13
Pennsylvania	NELAP	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

* Expired certification is currently pending renewal and is considered valid.

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TestAmerica Buffalo

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
7471A_ASP	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

**Getinge Confidential
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TestAmerica Buffalo

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: *Confidential*

TestAmerica Job ID: 480-38260-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-38260-1	C-B8-S	Solid	05/13/13 09:28	05/14/13 15:30
480-38260-2	C-B8-S2	Solid	05/13/13 09:30	05/14/13 15:30
480-38260-3	C-B8-S3	Solid	05/13/13 09:35	05/14/13 15:30
480-38260-4	C-B9-S	Solid	05/13/13 10:30	05/14/13 15:30
480-38260-5	C-B9-S2	Solid	05/13/13 10:39	05/14/13 15:30
480-38260-6	C-B10-S	Solid	05/13/13 11:30	05/14/13 15:30
480-38260-7	C-B11-S	Solid	05/13/13 12:25	05/14/13 15:30
480-38260-8	C-B11-S/D	Solid	05/13/13 12:25	05/14/13 15:30
480-38260-9	C-B11-S2	Solid	05/13/13 12:30	05/14/13 15:30
480-38260-10	C-B11-S2/D	Solid	05/13/13 12:30	05/14/13 15:30
480-38260-11	C-B11-S3	Solid	05/13/13 12:40	05/14/13 15:30
480-38260-12	C-B12-S	Solid	05/14/13 09:07	05/14/13 15:30
480-38260-13	C-B13-S	Solid	05/14/13 10:05	05/14/13 15:30
480-38260-14	C-B14-S	Solid	05/14/13 11:10	05/14/13 15:30
480-38260-15	C-B15-S	Solid	05/14/13 12:40	05/14/13 15:30
480-38260-16	C-B15-S2	Solid	05/14/13 13:05	05/14/13 15:30

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TestAmerica Buffalo

Chain of Custody Record

TAL-4124 (1007)

Client: Stantec Address: 61 Commercial St City: Rochester State: NY Zip Code: 14614 Project Name: Confidential Contract/Purchase Order/Quote No.: 190500772

Project Manager: Mike Strowsky Telephone Number (Area Code)/Fax Number: 514/13 Date: 5/14/13 Chain of Custody Number: 242037

Special Instructions/
Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix	Containers & Preservatives	Analysis (Attach list if more space is needed)
C-B12-S	5/14/13	0907	✓	✓	✓
C-B13-S	5/14/13	1005	✓	✓	✓
C-B14-S	5/14/13	1110	✓	✓	✓
C-B15-S	5/14/13	1240	✓	✓	✓
C-B15-SA	5/14/13	1305	✓	✓	✓

Hold - do not analyze

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months _____ (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

1. Relinquished By: [Signature] Date: 5/14/13 Time: 1430

2. Relinquished By: [Signature] Date: 5/14/13 Time: 1530

3. Relinquished By: _____ Date: _____ Time: _____

Comments: Temp 8.4 ICE #1

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 480-38260-1

Login Number: 38260

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-38787-1

Client Project/Site: *Confidential* - Groundwater

For:

Stantec Consulting Services Inc
61 Commercial Street
Rochester, New York 14614

Attn: Mr. Michael Storonsky



Authorized for release by:

5/28/2013 1:57:40 PM

Eve Berry, Project Administrator

eve.berry@testamericainc.com

Designee for

Ryan VanDette, Project Manager I

ryan.vandette@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Information**



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Information**

Definitions/Glossary

TestAmerica Job ID: 480-38787-1

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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TestAmerica Buffalo

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: "Confidential" - Groundwater

TestAmerica Job ID: 480-38787-1

Job ID: 480-38787-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-38787-1

Comments

No additional comments.

Receipt

The samples were received on 5/22/2013 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

GC/MS VOA

Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: C-MW1-W (480-38787-8), C-MW1-W/D (480-38787-9). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following volatile sample(s) was analyzed with headspace in the sample vial(s) due to multiple injections and/or limited volume: C-TRIP BLANK-052113-W (480-38787-1).

No other analytical or quality issues were noted.

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Information**

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Client Sample ID: C-TRIP BLANK-052113-W

Lab Sample ID: 480-38787-1

No Detections.

Client Sample ID: C-SW-1-W

Lab Sample ID: 480-38787-2

No Detections.

Client Sample ID: C-SW-2-W

Lab Sample ID: 480-38787-3

No Detections.

Client Sample ID: C-SW-3-W

Lab Sample ID: 480-38787-4

No Detections.

Client Sample ID: C-MW15-W

Lab Sample ID: 480-38787-5

No Detections.

Client Sample ID: C-MW12-W

Lab Sample ID: 480-38787-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13		10		ug/L	1		8260B	Total/NA

Client Sample ID: C-MW13-W

Lab Sample ID: 480-38787-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.7		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	14		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: C-MW1-W

Lab Sample ID: 480-38787-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.1		1.0		ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	30		1.0		ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	5.9		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	3800	E	1.0		ug/L	1		8260B	Total/NA
Vinyl chloride	2.2		1.0		ug/L	1		8260B	Total/NA
Trichloroethene - DL	2700		200		ug/L	200		8260B	Total/NA

Client Sample ID: C-MW1-W/D

Lab Sample ID: 480-38787-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.3		1.0		ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	30		1.0		ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	5.8		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	3900	E	1.0		ug/L	1		8260B	Total/NA
Trichloroethene - DL	2900		200		ug/L	200		8260B	Total/NA

Client Sample ID: C-MW14-W

Lab Sample ID: 480-38787-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.3		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	5.4		1.0		ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Client Sample ID: C-TRIP BLANK-052113-W

Lab Sample ID: 480-38787-1

Date Collected: 05/21/13 14:25

Matrix: Water

Date Received: 05/22/13 15:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 14:50	1
1,1,1-Trichloroethane	ND		1.0		ug/L			05/24/13 14:50	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 14:50	1
1,1,2-Trichloroethane	ND		1.0		ug/L			05/24/13 14:50	1
1,1-Dichloroethane	ND		1.0		ug/L			05/24/13 14:50	1
1,1-Dichloroethene	ND		1.0		ug/L			05/24/13 14:50	1
1,2,3-Trichloropropane	ND		1.0		ug/L			05/24/13 14:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			05/24/13 14:50	1
1,2-Dibromoethane	ND		1.0		ug/L			05/24/13 14:50	1
1,2-Dichlorobenzene	ND		1.0		ug/L			05/24/13 14:50	1
1,2-Dichloroethane	ND		1.0		ug/L			05/24/13 14:50	1
1,2-Dichloropropane	ND		1.0		ug/L			05/24/13 14:50	1
1,4-Dichlorobenzene	ND		1.0		ug/L			05/24/13 14:50	1
2-Butanone (MEK)	ND		10		ug/L			05/24/13 14:50	1
2-Hexanone	ND		5.0		ug/L			05/24/13 14:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			05/24/13 14:50	1
Acetone	ND		10		ug/L			05/24/13 14:50	1
Acrylonitrile	ND		5.0		ug/L			05/24/13 14:50	1
Benzene	ND		1.0		ug/L			05/24/13 14:50	1
Bromochloromethane	ND		1.0		ug/L			05/24/13 14:50	1
Bromodichloromethane	ND		1.0		ug/L			05/24/13 14:50	1
Bromoform	ND		1.0		ug/L			05/24/13 14:50	1
Bromomethane	ND		1.0		ug/L			05/24/13 14:50	1
Carbon disulfide	ND		1.0		ug/L			05/24/13 14:50	1
Carbon tetrachloride	ND		1.0		ug/L			05/24/13 14:50	1
Chlorobenzene	ND		1.0		ug/L			05/24/13 14:50	1
Chloroethane	ND		1.0		ug/L			05/24/13 14:50	1
Chloroform	ND		1.0		ug/L			05/24/13 14:50	1
Chloromethane	ND		1.0		ug/L			05/24/13 14:50	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			05/24/13 14:50	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 14:50	1
Dibromochloromethane	ND		1.0		ug/L			05/24/13 14:50	1
Dibromomethane	ND		1.0		ug/L			05/24/13 14:50	1
Ethylbenzene	ND		1.0		ug/L			05/24/13 14:50	1
Iodomethane	ND		1.0		ug/L			05/24/13 14:50	1
Methylene Chloride	ND		1.0		ug/L			05/24/13 14:50	1
Styrene	ND		1.0		ug/L			05/24/13 14:50	1
Tetrachloroethene	ND		1.0		ug/L			05/24/13 14:50	1
Toluene	ND		1.0		ug/L			05/24/13 14:50	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			05/24/13 14:50	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 14:50	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			05/24/13 14:50	1
Trichloroethene	ND		1.0		ug/L			05/24/13 14:50	1
Trichlorofluoromethane	ND		1.0		ug/L			05/24/13 14:50	1
Vinyl acetate	ND		5.0		ug/L			05/24/13 14:50	1
Vinyl chloride	ND		1.0		ug/L			05/24/13 14:50	1
Xylenes, Total	ND		2.0		ug/L			05/24/13 14:50	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Client Sample ID: C-TRIP BLANK-052113-W

Lab Sample ID: 480-38787-1

Date Collected: 05/21/13 14:25

Matrix: Water

Date Received: 05/22/13 15:30

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Isopropyl alcohol	33		ug/L		2.96	67-63-0		05/24/13 14:50	1
Tentatively Identified Compound	None		ug/L					05/24/13 14:50	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	106		66 - 137					05/24/13 14:50	1
4-Bromofluorobenzene (Surr)	89		73 - 120					05/24/13 14:50	1
Toluene-d8 (Surr)	101		71 - 126					05/24/13 14:50	1

Client Sample ID: C-SW-1-W

Lab Sample ID: 480-38787-2

Date Collected: 05/21/13 14:30

Matrix: Water

Date Received: 05/22/13 15:30

Method: 8260B - Volatile Organic Compounds (GC/MS)									
<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 01:50	1
1,1,1-Trichloroethane	ND		1.0		ug/L			05/24/13 01:50	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 01:50	1
1,1,2-Trichloroethane	ND		1.0		ug/L			05/24/13 01:50	1
1,1-Dichloroethane	ND		1.0		ug/L			05/24/13 01:50	1
1,1-Dichloroethene	ND		1.0		ug/L			05/24/13 01:50	1
1,2,3-Trichloropropane	ND		1.0		ug/L			05/24/13 01:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			05/24/13 01:50	1
1,2-Dibromoethane	ND		1.0		ug/L			05/24/13 01:50	1
1,2-Dichlorobenzene	ND		1.0		ug/L			05/24/13 01:50	1
1,2-Dichloroethane	ND		1.0		ug/L			05/24/13 01:50	1
1,2-Dichloropropane	ND		1.0		ug/L			05/24/13 01:50	1
1,4-Dichlorobenzene	ND		1.0		ug/L			05/24/13 01:50	1
2-Butanone (MEK)	ND		10		ug/L			05/24/13 01:50	1
2-Hexanone	ND		5.0		ug/L			05/24/13 01:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			05/24/13 01:50	1
Acetone	ND		10		ug/L			05/24/13 01:50	1
Acrylonitrile	ND		5.0		ug/L			05/24/13 01:50	1
Benzene	ND		1.0		ug/L			05/24/13 01:50	1
Bromochloromethane	ND		1.0		ug/L			05/24/13 01:50	1
Bromodichloromethane	ND		1.0		ug/L			05/24/13 01:50	1
Bromoform	ND		1.0		ug/L			05/24/13 01:50	1
Bromomethane	ND		1.0		ug/L			05/24/13 01:50	1
Carbon disulfide	ND		1.0		ug/L			05/24/13 01:50	1
Carbon tetrachloride	ND		1.0		ug/L			05/24/13 01:50	1
Chlorobenzene	ND		1.0		ug/L			05/24/13 01:50	1
Chloroethane	ND		1.0		ug/L			05/24/13 01:50	1
Chloroform	ND		1.0		ug/L			05/24/13 01:50	1
Chloromethane	ND		1.0		ug/L			05/24/13 01:50	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			05/24/13 01:50	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 01:50	1
Dibromochloromethane	ND		1.0		ug/L			05/24/13 01:50	1
Dibromomethane	ND		1.0		ug/L			05/24/13 01:50	1
Ethylbenzene	ND		1.0		ug/L			05/24/13 01:50	1
Iodomethane	ND		1.0		ug/L			05/24/13 01:50	1
Methylene Chloride	ND		1.0		ug/L			05/24/13 01:50	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Client Sample ID: C-SW-1-W

Lab Sample ID: 480-38787-2

Date Collected: 05/21/13 14:30

Matrix: Water

Date Received: 05/22/13 15:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0		ug/L			05/24/13 01:50	1
Tetrachloroethene	ND		1.0		ug/L			05/24/13 01:50	1
Toluene	ND		1.0		ug/L			05/24/13 01:50	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			05/24/13 01:50	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 01:50	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			05/24/13 01:50	1
Trichloroethene	ND		1.0		ug/L			05/24/13 01:50	1
Trichlorofluoromethane	ND		1.0		ug/L			05/24/13 01:50	1
Vinyl acetate	ND		5.0		ug/L			05/24/13 01:50	1
Vinyl chloride	ND		1.0		ug/L			05/24/13 01:50	1
Xylenes, Total	ND		2.0		ug/L			05/24/13 01:50	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Silanol, trimethyl-	5.7	T J N	ug/L		4.17	1066-40-6		05/24/13 01:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		05/24/13 01:50	1
4-Bromofluorobenzene (Surr)	81		73 - 120		05/24/13 01:50	1
Toluene-d8 (Surr)	95		71 - 126		05/24/13 01:50	1

Client Sample ID: C-SW-2-W

Lab Sample ID: 480-38787-3

Date Collected: 05/21/13 15:00

Matrix: Water

Date Received: 05/22/13 15:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 02:53	1
1,1,1-Trichloroethane	ND		1.0		ug/L			05/24/13 02:53	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 02:53	1
1,1,2-Trichloroethane	ND		1.0		ug/L			05/24/13 02:53	1
1,1-Dichloroethane	ND		1.0		ug/L			05/24/13 02:53	1
1,1-Dichloroethene	ND		1.0		ug/L			05/24/13 02:53	1
1,2,3-Trichloropropane	ND		1.0		ug/L			05/24/13 02:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			05/24/13 02:53	1
1,2-Dibromoethane	ND		1.0		ug/L			05/24/13 02:53	1
1,2-Dichlorobenzene	ND		1.0		ug/L			05/24/13 02:53	1
1,2-Dichloroethane	ND		1.0		ug/L			05/24/13 02:53	1
1,2-Dichloropropane	ND		1.0		ug/L			05/24/13 02:53	1
1,4-Dichlorobenzene	ND		1.0		ug/L			05/24/13 02:53	1
2-Butanone (MEK)	ND		10		ug/L			05/24/13 02:53	1
2-Hexanone	ND		5.0		ug/L			05/24/13 02:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			05/24/13 02:53	1
Acetone	ND		10		ug/L			05/24/13 02:53	1
Acrylonitrile	ND		5.0		ug/L			05/24/13 02:53	1
Benzene	ND		1.0		ug/L			05/24/13 02:53	1
Bromochloromethane	ND		1.0		ug/L			05/24/13 02:53	1
Bromodichloromethane	ND		1.0		ug/L			05/24/13 02:53	1
Bromoform	ND		1.0		ug/L			05/24/13 02:53	1
Bromomethane	ND		1.0		ug/L			05/24/13 02:53	1
Carbon disulfide	ND		1.0		ug/L			05/24/13 02:53	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Client Sample ID: C-SW-2-W

Date Collected: 05/21/13 15:00

Date Received: 05/22/13 15:30

Lab Sample ID: 480-38787-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0		ug/L			05/24/13 02:53	1
Chlorobenzene	ND		1.0		ug/L			05/24/13 02:53	1
Chloroethane	ND		1.0		ug/L			05/24/13 02:53	1
Chloroform	ND		1.0		ug/L			05/24/13 02:53	1
Chloromethane	ND		1.0		ug/L			05/24/13 02:53	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			05/24/13 02:53	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 02:53	1
Dibromochloromethane	ND		1.0		ug/L			05/24/13 02:53	1
Dibromomethane	ND		1.0		ug/L			05/24/13 02:53	1
Ethylbenzene	ND		1.0		ug/L			05/24/13 02:53	1
Iodomethane	ND		1.0		ug/L			05/24/13 02:53	1
Methylene Chloride	ND		1.0		ug/L			05/24/13 02:53	1
Styrene	ND		1.0		ug/L			05/24/13 02:53	1
Tetrachloroethene	ND		1.0		ug/L			05/24/13 02:53	1
Toluene	ND		1.0		ug/L			05/24/13 02:53	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			05/24/13 02:53	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 02:53	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			05/24/13 02:53	1
Trichloroethene	ND		1.0		ug/L			05/24/13 02:53	1
Trichlorofluoromethane	ND		1.0		ug/L			05/24/13 02:53	1
Vinyl acetate	ND		5.0		ug/L			05/24/13 02:53	1
Vinyl chloride	ND		1.0		ug/L			05/24/13 02:53	1
Xylenes, Total	ND		2.0		ug/L			05/24/13 02:53	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Silanol, trimethyl-	3.4	T J N	ug/L		4.17	1066-40-6		05/24/13 02:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		66 - 137					05/24/13 02:53	1
4-Bromofluorobenzene (Surr)	79		73 - 120					05/24/13 02:53	1
Toluene-d8 (Surr)	96		71 - 126					05/24/13 02:53	1

Client Sample ID: C-SW-3-W

Date Collected: 05/21/13 15:10

Date Received: 05/22/13 15:30

Lab Sample ID: 480-38787-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 03:13	1
1,1,1-Trichloroethane	ND		1.0		ug/L			05/24/13 03:13	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 03:13	1
1,1,2-Trichloroethane	ND		1.0		ug/L			05/24/13 03:13	1
1,1-Dichloroethane	ND		1.0		ug/L			05/24/13 03:13	1
1,1-Dichloroethene	ND		1.0		ug/L			05/24/13 03:13	1
1,2,3-Trichloropropane	ND		1.0		ug/L			05/24/13 03:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			05/24/13 03:13	1
1,2-Dibromoethane	ND		1.0		ug/L			05/24/13 03:13	1
1,2-Dichlorobenzene	ND		1.0		ug/L			05/24/13 03:13	1
1,2-Dichloroethane	ND		1.0		ug/L			05/24/13 03:13	1
1,2-Dichloropropane	ND		1.0		ug/L			05/24/13 03:13	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: "Confidential" - Groundwater

TestAmerica Job ID: 480-38787-1

Client Sample ID: C-SW-3-W

Lab Sample ID: 480-38787-4

Date Collected: 05/21/13 15:10

Matrix: Water

Date Received: 05/22/13 15:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0		ug/L			05/24/13 03:13	1
2-Butanone (MEK)	ND		10		ug/L			05/24/13 03:13	1
2-Hexanone	ND		5.0		ug/L			05/24/13 03:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			05/24/13 03:13	1
Acetone	ND		10		ug/L			05/24/13 03:13	1
Acrylonitrile	ND		5.0		ug/L			05/24/13 03:13	1
Benzene	ND		1.0		ug/L			05/24/13 03:13	1
Bromochloromethane	ND		1.0		ug/L			05/24/13 03:13	1
Bromodichloromethane	ND		1.0		ug/L			05/24/13 03:13	1
Bromoform	ND		1.0		ug/L			05/24/13 03:13	1
Bromomethane	ND		1.0		ug/L			05/24/13 03:13	1
Carbon disulfide	ND		1.0		ug/L			05/24/13 03:13	1
Carbon tetrachloride	ND		1.0		ug/L			05/24/13 03:13	1
Chlorobenzene	ND		1.0		ug/L			05/24/13 03:13	1
Chloroethane	ND		1.0		ug/L			05/24/13 03:13	1
Chloroform	ND		1.0		ug/L			05/24/13 03:13	1
Chloromethane	ND		1.0		ug/L			05/24/13 03:13	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			05/24/13 03:13	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 03:13	1
Dibromochloromethane	ND		1.0		ug/L			05/24/13 03:13	1
Dibromomethane	ND		1.0		ug/L			05/24/13 03:13	1
Ethylbenzene	ND		1.0		ug/L			05/24/13 03:13	1
Iodomethane	ND		1.0		ug/L			05/24/13 03:13	1
Methylene Chloride	ND		1.0		ug/L			05/24/13 03:13	1
Styrene	ND		1.0		ug/L			05/24/13 03:13	1
Tetrachloroethene	ND		1.0		ug/L			05/24/13 03:13	1
Toluene	ND		1.0		ug/L			05/24/13 03:13	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			05/24/13 03:13	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 03:13	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			05/24/13 03:13	1
Trichloroethene	ND		1.0		ug/L			05/24/13 03:13	1
Trichlorofluoromethane	ND		1.0		ug/L			05/24/13 03:13	1
Vinyl acetate	ND		5.0		ug/L			05/24/13 03:13	1
Vinyl chloride	ND		1.0		ug/L			05/24/13 03:13	1
Xylenes, Total	ND		2.0		ug/L			05/24/13 03:13	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Silanol, trimethyl-	2.7	T J N	ug/L		4.17	1066-40-6		05/24/13 03:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137					05/24/13 03:13	1
4-Bromofluorobenzene (Surr)	77		73 - 120					05/24/13 03:13	1
Toluene-d8 (Surr)	93		71 - 126					05/24/13 03:13	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Client Sample ID: C-MW15-W

Lab Sample ID: 480-38787-5

Date Collected: 05/21/13 15:40

Matrix: Water

Date Received: 05/22/13 15:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 03:34	1
1,1,1-Trichloroethane	ND		1.0		ug/L			05/24/13 03:34	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 03:34	1
1,1,2-Trichloroethane	ND		1.0		ug/L			05/24/13 03:34	1
1,1-Dichloroethane	ND		1.0		ug/L			05/24/13 03:34	1
1,1-Dichloroethene	ND		1.0		ug/L			05/24/13 03:34	1
1,2,3-Trichloropropane	ND		1.0		ug/L			05/24/13 03:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			05/24/13 03:34	1
1,2-Dibromoethane	ND		1.0		ug/L			05/24/13 03:34	1
1,2-Dichlorobenzene	ND		1.0		ug/L			05/24/13 03:34	1
1,2-Dichloroethane	ND		1.0		ug/L			05/24/13 03:34	1
1,2-Dichloropropane	ND		1.0		ug/L			05/24/13 03:34	1
1,4-Dichlorobenzene	ND		1.0		ug/L			05/24/13 03:34	1
2-Butanone (MEK)	ND		10		ug/L			05/24/13 03:34	1
2-Hexanone	ND		5.0		ug/L			05/24/13 03:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			05/24/13 03:34	1
Acetone	ND		10		ug/L			05/24/13 03:34	1
Acrylonitrile	ND		5.0		ug/L			05/24/13 03:34	1
Benzene	ND		1.0		ug/L			05/24/13 03:34	1
Bromochloromethane	ND		1.0		ug/L			05/24/13 03:34	1
Bromodichloromethane	ND		1.0		ug/L			05/24/13 03:34	1
Bromoform	ND		1.0		ug/L			05/24/13 03:34	1
Bromomethane	ND		1.0		ug/L			05/24/13 03:34	1
Carbon disulfide	ND		1.0		ug/L			05/24/13 03:34	1
Carbon tetrachloride	ND		1.0		ug/L			05/24/13 03:34	1
Chlorobenzene	ND		1.0		ug/L			05/24/13 03:34	1
Chloroethane	ND		1.0		ug/L			05/24/13 03:34	1
Chloroform	ND		1.0		ug/L			05/24/13 03:34	1
Chloromethane	ND		1.0		ug/L			05/24/13 03:34	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			05/24/13 03:34	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 03:34	1
Dibromochloromethane	ND		1.0		ug/L			05/24/13 03:34	1
Dibromomethane	ND		1.0		ug/L			05/24/13 03:34	1
Ethylbenzene	ND		1.0		ug/L			05/24/13 03:34	1
Iodomethane	ND		1.0		ug/L			05/24/13 03:34	1
Methylene Chloride	ND		1.0		ug/L			05/24/13 03:34	1
Styrene	ND		1.0		ug/L			05/24/13 03:34	1
Tetrachloroethene	ND		1.0		ug/L			05/24/13 03:34	1
Toluene	ND		1.0		ug/L			05/24/13 03:34	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			05/24/13 03:34	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 03:34	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			05/24/13 03:34	1
Trichloroethene	ND		1.0		ug/L			05/24/13 03:34	1
Trichlorofluoromethane	ND		1.0		ug/L			05/24/13 03:34	1
Vinyl acetate	ND		5.0		ug/L			05/24/13 03:34	1
Vinyl chloride	ND		1.0		ug/L			05/24/13 03:34	1
Xylenes, Total	ND		2.0		ug/L			05/24/13 03:34	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/24/13 03:34	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Client Sample ID: C-MW15-W

Date Collected: 05/21/13 15:40

Date Received: 05/22/13 15:30

Lab Sample ID: 480-38787-5

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		05/24/13 03:34	1
4-Bromofluorobenzene (Surr)	77		73 - 120		05/24/13 03:34	1
Toluene-d8 (Surr)	91		71 - 126		05/24/13 03:34	1

Client Sample ID: C-MW12-W

Date Collected: 05/21/13 16:00

Date Received: 05/22/13 15:30

Lab Sample ID: 480-38787-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 03:54	1
1,1,1-Trichloroethane	ND		1.0		ug/L			05/24/13 03:54	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 03:54	1
1,1,2-Trichloroethane	ND		1.0		ug/L			05/24/13 03:54	1
1,1-Dichloroethane	ND		1.0		ug/L			05/24/13 03:54	1
1,1-Dichloroethene	ND		1.0		ug/L			05/24/13 03:54	1
1,2,3-Trichloropropane	ND		1.0		ug/L			05/24/13 03:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			05/24/13 03:54	1
1,2-Dibromoethane	ND		1.0		ug/L			05/24/13 03:54	1
1,2-Dichlorobenzene	ND		1.0		ug/L			05/24/13 03:54	1
1,2-Dichloroethane	ND		1.0		ug/L			05/24/13 03:54	1
1,2-Dichloropropane	ND		1.0		ug/L			05/24/13 03:54	1
1,4-Dichlorobenzene	ND		1.0		ug/L			05/24/13 03:54	1
2-Butanone (MEK)	ND		10		ug/L			05/24/13 03:54	1
2-Hexanone	ND		5.0		ug/L			05/24/13 03:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			05/24/13 03:54	1
Acetone	13		10		ug/L			05/24/13 03:54	1
Acrylonitrile	ND		5.0		ug/L			05/24/13 03:54	1
Benzene	ND		1.0		ug/L			05/24/13 03:54	1
Bromochloromethane	ND		1.0		ug/L			05/24/13 03:54	1
Bromodichloromethane	ND		1.0		ug/L			05/24/13 03:54	1
Bromoform	ND		1.0		ug/L			05/24/13 03:54	1
Bromomethane	ND		1.0		ug/L			05/24/13 03:54	1
Carbon disulfide	ND		1.0		ug/L			05/24/13 03:54	1
Carbon tetrachloride	ND		1.0		ug/L			05/24/13 03:54	1
Chlorobenzene	ND		1.0		ug/L			05/24/13 03:54	1
Chloroethane	ND		1.0		ug/L			05/24/13 03:54	1
Chloroform	ND		1.0		ug/L			05/24/13 03:54	1
Chloromethane	ND		1.0		ug/L			05/24/13 03:54	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			05/24/13 03:54	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 03:54	1
Dibromochloromethane	ND		1.0		ug/L			05/24/13 03:54	1
Dibromomethane	ND		1.0		ug/L			05/24/13 03:54	1
Ethylbenzene	ND		1.0		ug/L			05/24/13 03:54	1
Iodomethane	ND		1.0		ug/L			05/24/13 03:54	1
Methylene Chloride	ND		1.0		ug/L			05/24/13 03:54	1
Styrene	ND		1.0		ug/L			05/24/13 03:54	1
Tetrachloroethene	ND		1.0		ug/L			05/24/13 03:54	1
Toluene	ND		1.0		ug/L			05/24/13 03:54	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			05/24/13 03:54	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Client Sample ID: C-MW12-W

Date Collected: 05/21/13 16:00

Date Received: 05/22/13 15:30

Lab Sample ID: 480-38787-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 03:54	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			05/24/13 03:54	1
Trichloroethene	ND		1.0		ug/L			05/24/13 03:54	1
Trichlorofluoromethane	ND		1.0		ug/L			05/24/13 03:54	1
Vinyl acetate	ND		5.0		ug/L			05/24/13 03:54	1
Vinyl chloride	ND		1.0		ug/L			05/24/13 03:54	1
Xylenes, Total	ND		2.0		ug/L			05/24/13 03:54	1
Tentatively Identified Compound									
<i>Silanol, trimethyl-</i>	3.3	T J N	ug/L		4.18	1066-40-6		05/24/13 03:54	1
Surrogate									
	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 137					05/24/13 03:54	1
4-Bromofluorobenzene (Surr)	82		73 - 120					05/24/13 03:54	1
Toluene-d8 (Surr)	96		71 - 126					05/24/13 03:54	1

Client Sample ID: C-MW13-W

Date Collected: 05/21/13 16:15

Date Received: 05/22/13 15:30

Lab Sample ID: 480-38787-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 04:15	1
1,1,1-Trichloroethane	ND		1.0		ug/L			05/24/13 04:15	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 04:15	1
1,1,2-Trichloroethane	ND		1.0		ug/L			05/24/13 04:15	1
1,1-Dichloroethane	ND		1.0		ug/L			05/24/13 04:15	1
1,1-Dichloroethene	ND		1.0		ug/L			05/24/13 04:15	1
1,2,3-Trichloropropane	ND		1.0		ug/L			05/24/13 04:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			05/24/13 04:15	1
1,2-Dibromoethane	ND		1.0		ug/L			05/24/13 04:15	1
1,2-Dichlorobenzene	ND		1.0		ug/L			05/24/13 04:15	1
1,2-Dichloroethane	ND		1.0		ug/L			05/24/13 04:15	1
1,2-Dichloropropane	ND		1.0		ug/L			05/24/13 04:15	1
1,4-Dichlorobenzene	ND		1.0		ug/L			05/24/13 04:15	1
2-Butanone (MEK)	ND		1.0		ug/L			05/24/13 04:15	1
2-Hexanone	ND		5.0		ug/L			05/24/13 04:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			05/24/13 04:15	1
Acetone	ND		1.0		ug/L			05/24/13 04:15	1
Acrylonitrile	ND		5.0		ug/L			05/24/13 04:15	1
Benzene	ND		1.0		ug/L			05/24/13 04:15	1
Bromochloromethane	ND		1.0		ug/L			05/24/13 04:15	1
Bromodichloromethane	ND		1.0		ug/L			05/24/13 04:15	1
Bromoform	ND		1.0		ug/L			05/24/13 04:15	1
Bromomethane	ND		1.0		ug/L			05/24/13 04:15	1
Carbon disulfide	ND		1.0		ug/L			05/24/13 04:15	1
Carbon tetrachloride	ND		1.0		ug/L			05/24/13 04:15	1
Chlorobenzene	ND		1.0		ug/L			05/24/13 04:15	1
Chloroethane	ND		1.0		ug/L			05/24/13 04:15	1
Chloroform	ND		1.0		ug/L			05/24/13 04:15	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Client Sample ID: C-MW13-W

Date Collected: 05/21/13 16:15

Date Received: 05/22/13 15:30

Lab Sample ID: 480-38787-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0		ug/L			05/24/13 04:15	1
cis-1,2-Dichloroethene	2.7		1.0		ug/L			05/24/13 04:15	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 04:15	1
Dibromochloromethane	ND		1.0		ug/L			05/24/13 04:15	1
Dibromomethane	ND		1.0		ug/L			05/24/13 04:15	1
Ethylbenzene	ND		1.0		ug/L			05/24/13 04:15	1
Iodomethane	ND		1.0		ug/L			05/24/13 04:15	1
Methylene Chloride	ND		1.0		ug/L			05/24/13 04:15	1
Styrene	ND		1.0		ug/L			05/24/13 04:15	1
Tetrachloroethene	ND		1.0		ug/L			05/24/13 04:15	1
Toluene	ND		1.0		ug/L			05/24/13 04:15	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			05/24/13 04:15	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 04:15	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			05/24/13 04:15	1
Trichloroethene	14		1.0		ug/L			05/24/13 04:15	1
Trichlorofluoromethane	ND		1.0		ug/L			05/24/13 04:15	1
Vinyl acetate	ND		5.0		ug/L			05/24/13 04:15	1
Vinyl chloride	ND		1.0		ug/L			05/24/13 04:15	1
Xylenes, Total	ND		2.0		ug/L			05/24/13 04:15	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/24/13 04:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137					05/24/13 04:15	1
4-Bromofluorobenzene (Surr)	83		73 - 120					05/24/13 04:15	1
Toluene-d8 (Surr)	96		71 - 126					05/24/13 04:15	1

Client Sample ID: C-MW1-W

Date Collected: 05/21/13 16:30

Date Received: 05/22/13 15:30

Lab Sample ID: 480-38787-8

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 04:35	1
1,1,1-Trichloroethane	ND		1.0		ug/L			05/24/13 04:35	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 04:35	1
1,1,2-Trichloroethane	ND		1.0		ug/L			05/24/13 04:35	1
1,1-Dichloroethane	ND		1.0		ug/L			05/24/13 04:35	1
1,1-Dichloroethene	1.1		1.0		ug/L			05/24/13 04:35	1
1,2,3-Trichloropropene	ND		1.0		ug/L			05/24/13 04:35	1
1,2-Dibromo-3-Chloropropene	ND		1.0		ug/L			05/24/13 04:35	1
1,2-Dibromoethane	ND		1.0		ug/L			05/24/13 04:35	1
1,2-Dichlorobenzene	ND		1.0		ug/L			05/24/13 04:35	1
1,2-Dichloroethane	ND		1.0		ug/L			05/24/13 04:35	1
1,2-Dichloropropane	ND		1.0		ug/L			05/24/13 04:35	1
1,4-Dichlorobenzene	ND		1.0		ug/L			05/24/13 04:35	1
2-Butanone (MEK)	ND		10		ug/L			05/24/13 04:35	1
2-Hexanone	ND		5.0		ug/L			05/24/13 04:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			05/24/13 04:35	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Client Sample ID: C-MW1-W

Lab Sample ID: 480-38787-8

Date Collected: 05/21/13 16:30

Matrix: Water

Date Received: 05/22/13 15:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10		ug/L			05/24/13 04:35	1
Acrylonitrile	ND		5.0		ug/L			05/24/13 04:35	1
Benzene	ND		1.0		ug/L			05/24/13 04:35	1
Bromochloromethane	ND		1.0		ug/L			05/24/13 04:35	1
Bromodichloromethane	ND		1.0		ug/L			05/24/13 04:35	1
Bromoform	ND		1.0		ug/L			05/24/13 04:35	1
Bromomethane	ND		1.0		ug/L			05/24/13 04:35	1
Carbon disulfide	ND		1.0		ug/L			05/24/13 04:35	1
Carbon tetrachloride	ND		1.0		ug/L			05/24/13 04:35	1
Chlorobenzene	ND		1.0		ug/L			05/24/13 04:35	1
Chloroethane	ND		1.0		ug/L			05/24/13 04:35	1
Chloroform	ND		1.0		ug/L			05/24/13 04:35	1
Chloromethane	ND		1.0		ug/L			05/24/13 04:35	1
cis-1,2-Dichloroethene	30		1.0		ug/L			05/24/13 04:35	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 04:35	1
Dibromochloromethane	ND		1.0		ug/L			05/24/13 04:35	1
Dibromomethane	ND		1.0		ug/L			05/24/13 04:35	1
Ethylbenzene	ND		1.0		ug/L			05/24/13 04:35	1
Iodomethane	ND		1.0		ug/L			05/24/13 04:35	1
Methylene Chloride	ND		1.0		ug/L			05/24/13 04:35	1
Styrene	ND		1.0		ug/L			05/24/13 04:35	1
Tetrachloroethene	ND		1.0		ug/L			05/24/13 04:35	1
Toluene	ND		1.0		ug/L			05/24/13 04:35	1
trans-1,2-Dichloroethene	5.9		1.0		ug/L			05/24/13 04:35	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 04:35	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			05/24/13 04:35	1
Trichloroethene	3800	E	1.0		ug/L			05/24/13 04:35	1
Trichlorofluoromethane	ND		1.0		ug/L			05/24/13 04:35	1
Vinyl acetate	ND		5.0		ug/L			05/24/13 04:35	1
Vinyl chloride	2.2		1.0		ug/L			05/24/13 04:35	1
Xylenes, Total	ND		2.0		ug/L			05/24/13 04:35	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
1-Penten-3-yne	22	T J N	ug/L		5.39	646-5-9		05/24/13 04:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		05/24/13 04:35	1
4-Bromofluorobenzene (Surr)	83		73 - 120		05/24/13 04:35	1
Toluene-d8 (Surr)	100		71 - 126		05/24/13 04:35	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200		ug/L			05/24/13 15:11	200
1,1,1-Trichloroethane	ND		200		ug/L			05/24/13 15:11	200
1,1,2,2-Tetrachloroethane	ND		200		ug/L			05/24/13 15:11	200
1,1,2-Trichloroethane	ND		200		ug/L			05/24/13 15:11	200
1,1-Dichloroethane	ND		200		ug/L			05/24/13 15:11	200
1,1-Dichloroethene	ND		200		ug/L			05/24/13 15:11	200
1,2,3-Trichloropropane	ND		200		ug/L			05/24/13 15:11	200
1,2-Dibromo-3-Chloropropane	ND		200		ug/L			05/24/13 15:11	200

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Client Sample ID: C-MW1-W

Lab Sample ID: 480-38787-8

Date Collected: 05/21/13 16:30

Matrix: Water

Date Received: 05/22/13 15:30

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		200		ug/L			05/24/13 15:11	200
1,2-Dichlorobenzene	ND		200		ug/L			05/24/13 15:11	200
1,2-Dichloroethane	ND		200		ug/L			05/24/13 15:11	200
1,2-Dichloropropane	ND		200		ug/L			05/24/13 15:11	200
1,4-Dichlorobenzene	ND		200		ug/L			05/24/13 15:11	200
2-Butanone (MEK)	ND		2000		ug/L			05/24/13 15:11	200
2-Hexanone	ND		1000		ug/L			05/24/13 15:11	200
4-Methyl-2-pentanone (MIBK)	ND		1000		ug/L			05/24/13 15:11	200
Acetone	ND		2000		ug/L			05/24/13 15:11	200
Acrylonitrile	ND		1000		ug/L			05/24/13 15:11	200
Benzene	ND		200		ug/L			05/24/13 15:11	200
Bromochloromethane	ND		200		ug/L			05/24/13 15:11	200
Bromodichloromethane	ND		200		ug/L			05/24/13 15:11	200
Bromoform	ND		200		ug/L			05/24/13 15:11	200
Bromomethane	ND		200		ug/L			05/24/13 15:11	200
Carbon disulfide	ND		200		ug/L			05/24/13 15:11	200
Carbon tetrachloride	ND		200		ug/L			05/24/13 15:11	200
Chlorobenzene	ND		200		ug/L			05/24/13 15:11	200
Chloroethane	ND		200		ug/L			05/24/13 15:11	200
Chloroform	ND		200		ug/L			05/24/13 15:11	200
Chloromethane	ND		200		ug/L			05/24/13 15:11	200
cis-1,2-Dichloroethene	ND		200		ug/L			05/24/13 15:11	200
cis-1,3-Dichloropropene	ND		200		ug/L			05/24/13 15:11	200
Dibromochloromethane	ND		200		ug/L			05/24/13 15:11	200
Dibromomethane	ND		200		ug/L			05/24/13 15:11	200
Ethylbenzene	ND		200		ug/L			05/24/13 15:11	200
Iodomethane	ND		200		ug/L			05/24/13 15:11	200
Methylene Chloride	ND		200		ug/L			05/24/13 15:11	200
Styrene	ND		200		ug/L			05/24/13 15:11	200
Tetrachloroethene	ND		200		ug/L			05/24/13 15:11	200
Toluene	ND		200		ug/L			05/24/13 15:11	200
trans-1,2-Dichloroethene	ND		200		ug/L			05/24/13 15:11	200
trans-1,3-Dichloropropene	ND		200		ug/L			05/24/13 15:11	200
trans-1,4-Dichloro-2-butene	ND		1000		ug/L			05/24/13 15:11	200
Trichloroethene	2700		200		ug/L			05/24/13 15:11	200
Trichlorofluoromethane	ND		200		ug/L			05/24/13 15:11	200
Vinyl acetate	ND		1000		ug/L			05/24/13 15:11	200
Vinyl chloride	ND		200		ug/L			05/24/13 15:11	200
Xylenes, Total	ND		400		ug/L			05/24/13 15:11	200

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/24/13 15:11	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		66 - 137		05/24/13 15:11	200
4-Bromofluorobenzene (Surr)	84		73 - 120		05/24/13 15:11	200
Toluene-d8 (Surr)	98		71 - 126		05/24/13 15:11	200

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Client Sample ID: C-MW1-W/D

Lab Sample ID: 480-38787-9

Date Collected: 05/21/13 16:30

Matrix: Water

Date Received: 05/22/13 15:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 04:56	1
1,1,1-Trichloroethane	ND		1.0		ug/L			05/24/13 04:56	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 04:56	1
1,1,2-Trichloroethane	ND		1.0		ug/L			05/24/13 04:56	1
1,1-Dichloroethane	ND		1.0		ug/L			05/24/13 04:56	1
1,1-Dichloroethene	1.3		1.0		ug/L			05/24/13 04:56	1
1,2,3-Trichloropropane	ND		1.0		ug/L			05/24/13 04:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			05/24/13 04:56	1
1,2-Dibromoethane	ND		1.0		ug/L			05/24/13 04:56	1
1,2-Dichlorobenzene	ND		1.0		ug/L			05/24/13 04:56	1
1,2-Dichloroethane	ND		1.0		ug/L			05/24/13 04:56	1
1,2-Dichloropropane	ND		1.0		ug/L			05/24/13 04:56	1
1,4-Dichlorobenzene	ND		1.0		ug/L			05/24/13 04:56	1
2-Butanone (MEK)	ND		10		ug/L			05/24/13 04:56	1
2-Hexanone	ND		5.0		ug/L			05/24/13 04:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			05/24/13 04:56	1
Acetone	ND		10		ug/L			05/24/13 04:56	1
Acrylonitrile	ND		5.0		ug/L			05/24/13 04:56	1
Benzene	ND		1.0		ug/L			05/24/13 04:56	1
Bromochloromethane	ND		1.0		ug/L			05/24/13 04:56	1
Bromodichloromethane	ND		1.0		ug/L			05/24/13 04:56	1
Bromoform	ND		1.0		ug/L			05/24/13 04:56	1
Bromomethane	ND		1.0		ug/L			05/24/13 04:56	1
Carbon disulfide	ND		1.0		ug/L			05/24/13 04:56	1
Carbon tetrachloride	ND		1.0		ug/L			05/24/13 04:56	1
Chlorobenzene	ND		1.0		ug/L			05/24/13 04:56	1
Chloroethane	ND		1.0		ug/L			05/24/13 04:56	1
Chloroform	ND		1.0		ug/L			05/24/13 04:56	1
Chloromethane	ND		1.0		ug/L			05/24/13 04:56	1
cis-1,2-Dichloroethene	30		1.0		ug/L			05/24/13 04:56	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 04:56	1
Dibromochloromethane	ND		1.0		ug/L			05/24/13 04:56	1
Dibromomethane	ND		1.0		ug/L			05/24/13 04:56	1
Ethylbenzene	ND		1.0		ug/L			05/24/13 04:56	1
Iodomethane	ND		1.0		ug/L			05/24/13 04:56	1
Methylene Chloride	ND		1.0		ug/L			05/24/13 04:56	1
Styrene	ND		1.0		ug/L			05/24/13 04:56	1
Tetrachloroethene	ND		1.0		ug/L			05/24/13 04:56	1
Toluene	ND		1.0		ug/L			05/24/13 04:56	1
trans-1,2-Dichloroethene	6.8		1.0		ug/L			05/24/13 04:56	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 04:56	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			05/24/13 04:56	1
Trichloroethene	3900 E		1.0		ug/L			05/24/13 04:56	1
Trichlorofluoromethane	ND		1.0		ug/L			05/24/13 04:56	1
Vinyl acetate	ND		5.0		ug/L			05/24/13 04:56	1
Vinyl chloride	ND		1.0		ug/L			05/24/13 04:56	1
Xylenes, Total	ND		2.0		ug/L			05/24/13 04:56	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Phosphine, ethyl-	22	T J N	ug/L		5.39	593-68-0		05/24/13 04:56	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: "Confidential" - Groundwater

TestAmerica Job ID: 480-38787-1

Client Sample ID: C-MW1-W/D

Lab Sample ID: 480-38787-9

Date Collected: 05/21/13 16:30

Matrix: Water

Date Received: 05/22/13 15:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137		05/24/13 04:56	1
4-Bromofluorobenzene (Surr)	81		73 - 120		05/24/13 04:56	1
Toluene-d8 (Surr)	96		71 - 126		05/24/13 04:56	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200		ug/L			05/24/13 15:32	200
1,1,1-Trichloroethane	ND		200		ug/L			05/24/13 15:32	200
1,1,2,2-Tetrachloroethane	ND		200		ug/L			05/24/13 15:32	200
1,1,2-Trichloroethane	ND		200		ug/L			05/24/13 15:32	200
1,1-Dichloroethane	ND		200		ug/L			05/24/13 15:32	200
1,1-Dichloroethene	ND		200		ug/L			05/24/13 15:32	200
1,2,3-Trichloropropane	ND		200		ug/L			05/24/13 15:32	200
1,2-Dibromo-3-Chloropropane	ND		200		ug/L			05/24/13 15:32	200
1,2-Dibromoethane	ND		200		ug/L			05/24/13 15:32	200
1,2-Dichlorobenzene	ND		200		ug/L			05/24/13 15:32	200
1,2-Dichloroethane	ND		200		ug/L			05/24/13 15:32	200
1,2-Dichloropropane	ND		200		ug/L			05/24/13 15:32	200
1,4-Dichlorobenzene	ND		200		ug/L			05/24/13 15:32	200
2-Butanone (MEK)	ND		2000		ug/L			05/24/13 15:32	200
2-Hexanone	ND		1000		ug/L			05/24/13 15:32	200
4-Methyl-2-pentanone (MIBK)	ND		1000		ug/L			05/24/13 15:32	200
Acetone	ND		2000		ug/L			05/24/13 15:32	200
Acrylonitrile	ND		1000		ug/L			05/24/13 15:32	200
Benzene	ND		200		ug/L			05/24/13 15:32	200
Bromochloromethane	ND		200		ug/L			05/24/13 15:32	200
Bromodichloromethane	ND		200		ug/L			05/24/13 15:32	200
Bromoform	ND		200		ug/L			05/24/13 15:32	200
Bromomethane	ND		200		ug/L			05/24/13 15:32	200
Carbon disulfide	ND		200		ug/L			05/24/13 15:32	200
Carbon tetrachloride	ND		200		ug/L			05/24/13 15:32	200
Chlorobenzene	ND		200		ug/L			05/24/13 15:32	200
Chloroethane	ND		200		ug/L			05/24/13 15:32	200
Chloroform	ND		200		ug/L			05/24/13 15:32	200
Chloromethane	ND		200		ug/L			05/24/13 15:32	200
cis-1,2-Dichloroethene	ND		200		ug/L			05/24/13 15:32	200
cis-1,3-Dichloropropene	ND		200		ug/L			05/24/13 15:32	200
Dibromochloromethane	ND		200		ug/L			05/24/13 15:32	200
Dibromomethane	ND		200		ug/L			05/24/13 15:32	200
Ethylbenzene	ND		200		ug/L			05/24/13 15:32	200
Iodomethane	ND		200		ug/L			05/24/13 15:32	200
Methylene Chloride	ND		200		ug/L			05/24/13 15:32	200
Styrene	ND		200		ug/L			05/24/13 15:32	200
Tetrachloroethene	ND		200		ug/L			05/24/13 15:32	200
Toluene	ND		200		ug/L			05/24/13 15:32	200
trans-1,2-Dichloroethene	ND		200		ug/L			05/24/13 15:32	200
trans-1,3-Dichloropropene	ND		200		ug/L			05/24/13 15:32	200
trans-1,4-Dichloro-2-butene	ND		1000		ug/L			05/24/13 15:32	200
Trichloroethene	2900		200		ug/L			05/24/13 15:32	200
Trichlorofluoromethane	ND		200		ug/L			05/24/13 15:32	200

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Client Sample ID: C-MW1-W/D

Date Collected: 05/21/13 16:30

Date Received: 05/22/13 15:30

Lab Sample ID: 480-38787-9

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	ND		1000		ug/L			05/24/13 15:32	200
Vinyl chloride	ND		200		ug/L			05/24/13 15:32	200
Xylenes, Total	ND		400		ug/L			05/24/13 15:32	200
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/24/13 15:32	200
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137					05/24/13 15:32	200
4-Bromofluorobenzene (Surr)	81		73 - 120					05/24/13 15:32	200
Toluene-d8 (Surr)	96		71 - 126					05/24/13 15:32	200

Client Sample ID: C-MW14-W

Date Collected: 05/22/13 08:20

Date Received: 05/22/13 15:30

Lab Sample ID: 480-38787-10

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 15:53	1
1,1,1-Trichloroethane	ND		1.0		ug/L			05/24/13 15:53	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 15:53	1
1,1,2-Trichloroethane	ND		1.0		ug/L			05/24/13 15:53	1
1,1-Dichloroethane	ND		1.0		ug/L			05/24/13 15:53	1
1,1-Dichloroethene	ND		1.0		ug/L			05/24/13 15:53	1
1,2,3-Trichloropropane	ND		1.0		ug/L			05/24/13 15:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			05/24/13 15:53	1
1,2-Dibromoethane	ND		1.0		ug/L			05/24/13 15:53	1
1,2-Dichlorobenzene	ND		1.0		ug/L			05/24/13 15:53	1
1,2-Dichloroethane	ND		1.0		ug/L			05/24/13 15:53	1
1,2-Dichloropropane	ND		1.0		ug/L			05/24/13 15:53	1
1,4-Dichlorobenzene	ND		1.0		ug/L			05/24/13 15:53	1
2-Butanone (MEK)	ND		10		ug/L			05/24/13 15:53	1
2-Hexanone	ND		5.0		ug/L			05/24/13 15:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			05/24/13 15:53	1
Acetone	ND		10		ug/L			05/24/13 15:53	1
Acrylonitrile	ND		5.0		ug/L			05/24/13 15:53	1
Benzene	ND		1.0		ug/L			05/24/13 15:53	1
Bromochloromethane	ND		1.0		ug/L			05/24/13 15:53	1
Bromodichloromethane	ND		1.0		ug/L			05/24/13 15:53	1
Bromoform	ND		1.0		ug/L			05/24/13 15:53	1
Bromomethane	ND		1.0		ug/L			05/24/13 15:53	1
Carbon disulfide	ND		1.0		ug/L			05/24/13 15:53	1
Carbon tetrachloride	ND		1.0		ug/L			05/24/13 15:53	1
Chlorobenzene	ND		1.0		ug/L			05/24/13 15:53	1
Chloroethane	ND		1.0		ug/L			05/24/13 15:53	1
Chloroform	ND		1.0		ug/L			05/24/13 15:53	1
Chloromethane	ND		1.0		ug/L			05/24/13 15:53	1
cis-1,2-Dichloroethene	1.3		1.0		ug/L			05/24/13 15:53	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 15:53	1
Dibromochloromethane	ND		1.0		ug/L			05/24/13 15:53	1

TestAmerica Buffalo

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Client Sample ID: C-MW14-W

Lab Sample ID: 480-38787-10

Date Collected: 05/22/13 08:20

Matrix: Water

Date Received: 05/22/13 15:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		1.0		ug/L			05/24/13 15:53	1
Ethylbenzene	ND		1.0		ug/L			05/24/13 15:53	1
Iodomethane	ND		1.0		ug/L			05/24/13 15:53	1
Methylene Chloride	ND		1.0		ug/L			05/24/13 15:53	1
Styrene	ND		1.0		ug/L			05/24/13 15:53	1
Tetrachloroethene	ND		1.0		ug/L			05/24/13 15:53	1
Toluene	ND		1.0		ug/L			05/24/13 15:53	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			05/24/13 15:53	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 15:53	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			05/24/13 15:53	1
Trichloroethene	5.4		1.0		ug/L			05/24/13 15:53	1
Trichlorofluoromethane	ND		1.0		ug/L			05/24/13 15:53	1
Vinyl acetate	ND		5.0		ug/L			05/24/13 15:53	1
Vinyl chloride	ND		1.0		ug/L			05/24/13 15:53	1
Xylenes, Total	ND		2.0		ug/L			05/24/13 15:53	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/24/13 15:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		86 - 137					05/24/13 15:53	1
4-Bromofluorobenzene (Surr)	83		73 - 120					05/24/13 15:53	1
Toluene-d8 (Surr)	99		71 - 126					05/24/13 15:53	1

TestAmerica Buffalo

Surrogate Summary

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	BFB (73-120)	TOL (71-126)
480-38787-1	C-TRIP BLANK-052113-W	106	89	101
480-38787-2	C-SW-1-W	98	81	95
480-38787-2 MS	C-SW-1-W	94	86	94
480-38787-2 MSD	C-SW-1-W	96	85	89
480-38787-3	C-SW-2-W	91	79	96
480-38787-4	C-SW-3-W	100	77	93
480-38787-5	C-MW15-W	98	77	91
480-38787-6	C-MW12-W	102	82	96
480-38787-7	C-MW13-W	101	83	96
480-38787-8	C-MW1-W	99	83	100
480-38787-8 - DL	C-MW1-W	103	84	98
480-38787-9	C-MW1-W/D	104	81	96
480-38787-9 - DL	C-MW1-W/D	101	81	96
480-38787-10	C-MW14-W	97	83	99
LCS 480-120329/4	Lab Control Sample	90	90	91
LCS 480-120440/4	Lab Control Sample	99	94	95
MB 480-120329/5	Method Blank	94	76	89
MB 480-120440/5	Method Blank	99	80	95

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

TestAmerica Buffalo

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-120329/5

Matrix: Water

Analysis Batch: 120329

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	Result	MB MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			05/23/13 21:08	1
1,1,1-Trichloroethane	ND		1.0		ug/L			05/23/13 21:08	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			05/23/13 21:08	1
1,1,2-Trichloroethane	ND		1.0		ug/L			05/23/13 21:08	1
1,1-Dichloroethane	ND		1.0		ug/L			05/23/13 21:08	1
1,1-Dichloroethene	ND		1.0		ug/L			05/23/13 21:08	1
1,2,3-Trichloropropane	ND		1.0		ug/L			05/23/13 21:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			05/23/13 21:08	1
1,2-Dibromoethane	ND		1.0		ug/L			05/23/13 21:08	1
1,2-Dichlorobenzene	ND		1.0		ug/L			05/23/13 21:08	1
1,2-Dichloroethane	ND		1.0		ug/L			05/23/13 21:08	1
1,2-Dichloropropane	ND		1.0		ug/L			05/23/13 21:08	1
1,4-Dichlorobenzene	ND		1.0		ug/L			05/23/13 21:08	1
2-Butanone (MEK)	ND		10		ug/L			05/23/13 21:08	1
2-Hexanone	ND		5.0		ug/L			05/23/13 21:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			05/23/13 21:08	1
Acetone	ND		10		ug/L			05/23/13 21:08	1
Acrylonitrile	ND		5.0		ug/L			05/23/13 21:08	1
Benzene	ND		1.0		ug/L			05/23/13 21:08	1
Bromochloromethane	ND		1.0		ug/L			05/23/13 21:08	1
Bromodichloromethane	ND		1.0		ug/L			05/23/13 21:08	1
Bromoform	ND		1.0		ug/L			05/23/13 21:08	1
Bromomethane	ND		1.0		ug/L			05/23/13 21:08	1
Carbon disulfide	ND		1.0		ug/L			05/23/13 21:08	1
Carbon tetrachloride	ND		1.0		ug/L			05/23/13 21:08	1
Chlorobenzene	ND		1.0		ug/L			05/23/13 21:08	1
Chloroethane	ND		1.0		ug/L			05/23/13 21:08	1
Chloroform	ND		1.0		ug/L			05/23/13 21:08	1
Chloromethane	ND		1.0		ug/L			05/23/13 21:08	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			05/23/13 21:08	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			05/23/13 21:08	1
Dibromochloromethane	ND		1.0		ug/L			05/23/13 21:08	1
Dibromomethane	ND		1.0		ug/L			05/23/13 21:08	1
Ethylbenzene	ND		1.0		ug/L			05/23/13 21:08	1
Iodomethane	ND		1.0		ug/L			05/23/13 21:08	1
Methylene Chloride	ND		1.0		ug/L			05/23/13 21:08	1
Styrene	ND		1.0		ug/L			05/23/13 21:08	1
Tetrachloroethene	ND		1.0		ug/L			05/23/13 21:08	1
Toluene	ND		1.0		ug/L			05/23/13 21:08	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			05/23/13 21:08	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			05/23/13 21:08	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			05/23/13 21:08	1
Trichloroethene	ND		1.0		ug/L			05/23/13 21:08	1
Trichlorofluoromethane	ND		1.0		ug/L			05/23/13 21:08	1
Vinyl acetate	ND		5.0		ug/L			05/23/13 21:08	1
Vinyl chloride	ND		1.0		ug/L			05/23/13 21:08	1
Xylenes, Total	ND		2.0		ug/L			05/23/13 21:08	1

TestAmerica Buffalo

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-120329/5

Matrix: Water

Analysis Batch: 120329

Client Sample ID: Method Blank

Prep Type: Total/NA

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/23/13 21:08	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		66 - 137					05/23/13 21:08	1
4-Bromofluorobenzene (Surr)	76		73 - 120					05/23/13 21:08	1
Toluene-d8 (Surr)	89		71 - 126					05/23/13 21:08	1

Lab Sample ID: LCS 480-120329/4

Matrix: Water

Analysis Batch: 120329

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	22.5		ug/L		90	71 - 129
1,1-Dichloroethene	25.0	18.4		ug/L		73	58 - 121
1,2-Dichlorobenzene	25.0	25.2		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	25.8		ug/L		103	75 - 127
Benzene	25.0	25.4		ug/L		102	71 - 124
Chlorobenzene	25.0	24.6		ug/L		98	72 - 120
cis-1,2-Dichloroethene	25.0	24.1		ug/L		96	74 - 124
Ethylbenzene	25.0	27.1		ug/L		108	77 - 123
Tetrachloroethene	25.0	21.8		ug/L		87	74 - 122
Toluene	25.0	26.4		ug/L		105	80 - 122
trans-1,2-Dichloroethene	25.0	22.4		ug/L		90	73 - 127
Trichloroethene	25.0	24.6		ug/L		99	74 - 123
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	90		66 - 137				
4-Bromofluorobenzene (Surr)	90		73 - 120				
Toluene-d8 (Surr)	91		71 - 126				

Lab Sample ID: 480-38787-2 MS

Matrix: Water

Analysis Batch: 120329

Client Sample ID: C-SW-1-W

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		25.0	23.3		ug/L		93	71 - 129
1,1-Dichloroethene	ND		25.0	18.9		ug/L		76	58 - 121
1,2-Dichlorobenzene	ND		25.0	26.5		ug/L		106	80 - 124
1,2-Dichloroethane	ND		25.0	26.0		ug/L		104	75 - 127
Benzene	ND		25.0	26.6		ug/L		106	71 - 124
Chlorobenzene	ND		25.0	25.8		ug/L		103	72 - 120
cis-1,2-Dichloroethene	ND		25.0	23.8		ug/L		95	74 - 124
Ethylbenzene	ND		25.0	27.7		ug/L		111	77 - 123
Tetrachloroethene	ND		25.0	23.0		ug/L		92	74 - 122
Toluene	ND		25.0	26.6		ug/L		106	80 - 122
trans-1,2-Dichloroethene	ND		25.0	23.4		ug/L		94	73 - 127
Trichloroethene	ND		25.0	26.4		ug/L		106	74 - 123

TestAmerica Buffalo

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-38787-2 MS

Matrix: Water

Analysis Batch: 120329

Client Sample ID: C-SW-1-W

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		66 - 137
4-Bromofluorobenzene (Surr)	86		73 - 120
Toluene-d8 (Surr)	94		71 - 126

Lab Sample ID: 480-38787-2 MSD

Matrix: Water

Analysis Batch: 120329

Client Sample ID: C-SW-1-W

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		25.0	24.1		ug/L		96	71 - 129	4	20
1,1-Dichloroethene	ND		25.0	19.7		ug/L		79	58 - 121	4	16
1,2-Dichlorobenzene	ND		25.0	27.7		ug/L		111	80 - 124	5	20
1,2-Dichloroethane	ND		25.0	27.8		ug/L		111	75 - 127	7	20
Benzene	ND		25.0	28.4		ug/L		114	71 - 124	7	13
Chlorobenzene	ND		25.0	26.0		ug/L		104	72 - 120	1	25
cis-1,2-Dichloroethene	ND		25.0	25.2		ug/L		101	74 - 124	6	15
Ethylbenzene	ND		25.0	27.9		ug/L		112	77 - 123	1	15
Tetrachloroethene	ND		25.0	23.1		ug/L		92	74 - 122	0	20
Toluene	ND		25.0	27.7		ug/L		111	80 - 122	4	15
trans-1,2-Dichloroethene	ND		25.0	24.7		ug/L		99	73 - 127	6	20
Trichloroethene	ND		25.0	27.1		ug/L		108	74 - 123	2	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		66 - 137
4-Bromofluorobenzene (Surr)	85		73 - 120
Toluene-d8 (Surr)	89		71 - 126

Lab Sample ID: MB 480-120440/5

Matrix: Water

Analysis Batch: 120440

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 13:37	1
1,1,1-Trichloroethane	ND		1.0		ug/L			05/24/13 13:37	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			05/24/13 13:37	1
1,1,2-Trichloroethane	ND		1.0		ug/L			05/24/13 13:37	1
1,1-Dichloroethane	ND		1.0		ug/L			05/24/13 13:37	1
1,1-Dichloroethene	ND		1.0		ug/L			05/24/13 13:37	1
1,2,3-Trichloropropane	ND		1.0		ug/L			05/24/13 13:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			05/24/13 13:37	1
1,2-Dibromoethane	ND		1.0		ug/L			05/24/13 13:37	1
1,2-Dichlorobenzene	ND		1.0		ug/L			05/24/13 13:37	1
1,2-Dichloroethane	ND		1.0		ug/L			05/24/13 13:37	1
1,2-Dichloropropane	ND		1.0		ug/L			05/24/13 13:37	1
1,4-Dichlorobenzene	ND		1.0		ug/L			05/24/13 13:37	1
2-Butanone (MEK)	ND		10		ug/L			05/24/13 13:37	1
2-Hexanone	ND		5.0		ug/L			05/24/13 13:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			05/24/13 13:37	1

TestAmerica Buffalo

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-120440/5

Matrix: Water

Analysis Batch: 120440

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10		ug/L			05/24/13 13:37	1
Acrylonitrile	ND		5.0		ug/L			05/24/13 13:37	1
Benzene	ND		1.0		ug/L			05/24/13 13:37	1
Bromochloromethane	ND		1.0		ug/L			05/24/13 13:37	1
Bromodichloromethane	ND		1.0		ug/L			05/24/13 13:37	1
Bromoform	ND		1.0		ug/L			05/24/13 13:37	1
Bromomethane	ND		1.0		ug/L			05/24/13 13:37	1
Carbon disulfide	ND		1.0		ug/L			05/24/13 13:37	1
Carbon tetrachloride	ND		1.0		ug/L			05/24/13 13:37	1
Chlorobenzene	ND		1.0		ug/L			05/24/13 13:37	1
Chloroethane	ND		1.0		ug/L			05/24/13 13:37	1
Chloroform	ND		1.0		ug/L			05/24/13 13:37	1
Chloromethane	ND		1.0		ug/L			05/24/13 13:37	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			05/24/13 13:37	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 13:37	1
Dibromochloromethane	ND		1.0		ug/L			05/24/13 13:37	1
Dibromomethane	ND		1.0		ug/L			05/24/13 13:37	1
Ethylbenzene	ND		1.0		ug/L			05/24/13 13:37	1
Iodomethane	ND		1.0		ug/L			05/24/13 13:37	1
Methylene Chloride	ND		1.0		ug/L			05/24/13 13:37	1
Styrene	ND		1.0		ug/L			05/24/13 13:37	1
Tetrachloroethene	ND		1.0		ug/L			05/24/13 13:37	1
Toluene	ND		1.0		ug/L			05/24/13 13:37	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			05/24/13 13:37	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			05/24/13 13:37	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			05/24/13 13:37	1
Trichloroethene	ND		1.0		ug/L			05/24/13 13:37	1
Trichlorofluoromethane	ND		1.0		ug/L			05/24/13 13:37	1
Vinyl acetate	ND		5.0		ug/L			05/24/13 13:37	1
Vinyl chloride	ND		1.0		ug/L			05/24/13 13:37	1
Xylenes, Total	ND		2.0		ug/L			05/24/13 13:37	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/24/13 13:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		05/24/13 13:37	1
4-Bromofluorobenzene (Surr)	80		73 - 120		05/24/13 13:37	1
Toluene-d8 (Surr)	95		71 - 126		05/24/13 13:37	1

Lab Sample ID: LCS 480-120440/4

Matrix: Water

Analysis Batch: 120440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.1		ug/L		96	71 - 129
1,1-Dichloroethene	25.0	20.0		ug/L		80	58 - 121

TestAmerica Buffalo

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-120440/4

Matrix: Water

Analysis Batch: 120440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				Limits
1,2-Dichlorobenzene	25.0	25.6		ug/L		102	80 - 124
1,2-Dichloroethane	25.0	27.3		ug/L		109	75 - 127
Benzene	25.0	27.0		ug/L		108	71 - 124
Chlorobenzene	25.0	26.1		ug/L		104	72 - 120
cis-1,2-Dichloroethene	25.0	24.4		ug/L		97	74 - 124
Ethylbenzene	25.0	28.6		ug/L		114	77 - 123
Tetrachloroethene	25.0	23.2		ug/L		93	74 - 122
Toluene	25.0	27.9		ug/L		111	80 - 122
trans-1,2-Dichloroethene	25.0	24.5		ug/L		98	73 - 127
Trichloroethene	25.0	26.4		ug/L		106	74 - 123
Surrogate	LCS		Qualifier				
	%Recovery			Limits			
1,2-Dichloroethane-d4 (Surr)	99			66 - 137			
4-Bromofluorobenzene (Surr)	94			73 - 120			
Toluene-d8 (Surr)	95			71 - 126			

TestAmerica Buffalo

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

GC/MS VOA

Analysis Batch: 120329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38787-2	C-SW-1-W	Total/NA	Water	8260B	
480-38787-2 MS	C-SW-1-W	Total/NA	Water	8260B	
480-38787-2 MSD	C-SW-1-W	Total/NA	Water	8260B	
480-38787-3	C-SW-2-W	Total/NA	Water	8260B	
480-38787-4	C-SW-3-W	Total/NA	Water	8260B	
480-38787-5	C-MW15-W	Total/NA	Water	8260B	
480-38787-6	C-MW12-W	Total/NA	Water	8260B	
480-38787-7	C-MW13-W	Total/NA	Water	8260B	
480-38787-8	C-MW1-W	Total/NA	Water	8260B	
480-38787-9	C-MW1-W/D	Total/NA	Water	8260B	
LCS 480-120329/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-120329/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 120440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38787-1	C-TRIP BLANK-052113-W	Total/NA	Water	8260B	
480-38787-8 - DL	C-MW1-W	Total/NA	Water	8260B	
480-38787-9 - DL	C-MW1-W/D	Total/NA	Water	8260B	
480-38787-10	C-MW14-W	Total/NA	Water	8260B	
LCS 480-120440/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-120440/5	Method Blank	Total/NA	Water	8260B	

TestAmerica Buffalo

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Client Sample ID: C-TRIP BLANK-052113-W

Lab Sample ID: 480-38787-1

Date Collected: 05/21/13 14:25

Matrix: Water

Date Received: 05/22/13 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120440	05/24/13 14:50	CDC	TAL BUF

Client Sample ID: C-SW-1-W

Lab Sample ID: 480-38787-2

Date Collected: 05/21/13 14:30

Matrix: Water

Date Received: 05/22/13 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120329	05/24/13 01:50	TRB	TAL BUF

Client Sample ID: C-SW-2-W

Lab Sample ID: 480-38787-3

Date Collected: 05/21/13 15:00

Matrix: Water

Date Received: 05/22/13 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120329	05/24/13 02:53	TRB	TAL BUF

Client Sample ID: C-SW-3-W

Lab Sample ID: 480-38787-4

Date Collected: 05/21/13 15:10

Matrix: Water

Date Received: 05/22/13 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120329	05/24/13 03:13	TRB	TAL BUF

Client Sample ID: C-MW15-W

Lab Sample ID: 480-38787-5

Date Collected: 05/21/13 15:40

Matrix: Water

Date Received: 05/22/13 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120329	05/24/13 03:34	TRB	TAL BUF

Client Sample ID: C-MW12-W

Lab Sample ID: 480-38787-6

Date Collected: 05/21/13 16:00

Matrix: Water

Date Received: 05/22/13 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120329	05/24/13 03:54	TRB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Client Sample ID: C-MW13-W

Date Collected: 05/21/13 16:15

Date Received: 05/22/13 15:30

Lab Sample ID: 480-38787-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120329	05/24/13 04:15	TRB	TAL BUF

Client Sample ID: C-MW1-W

Date Collected: 05/21/13 16:30

Date Received: 05/22/13 15:30

Lab Sample ID: 480-38787-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120329	05/24/13 04:35	TRB	TAL BUF
Total/NA	Analysis	8260B	DL	200	120440	05/24/13 15:11	CDC	TAL BUF

Client Sample ID: C-MW1-W/D

Date Collected: 05/21/13 16:30

Date Received: 05/22/13 15:30

Lab Sample ID: 480-38787-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120329	05/24/13 04:56	TRB	TAL BUF
Total/NA	Analysis	8260B	DL	200	120440	05/24/13 15:32	CDC	TAL BUF

Client Sample ID: C-MW14-W

Date Collected: 05/22/13 08:20

Date Received: 05/22/13 15:30

Lab Sample ID: 480-38787-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120440	05/24/13 15:53	CDC	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-14
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	03-31-14
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-15-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-14
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13 *
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-13
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-14
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAP	10	NY200003	08-09-13
Pennsylvania	NELAP	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13
Washington	State Program	10	C764	02-10-14
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Buffalo

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: *Confidential* - Groundwater

TestAmerica Job ID: 480-38787-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-38787-1	C-TRIP BLANK-052113-W	Water	05/21/13 14:25	05/22/13 15:30
480-38787-2	C-SW-1-W	Water	05/21/13 14:30	05/22/13 15:30
480-38787-3	C-SW-2-W	Water	05/21/13 15:00	05/22/13 15:30
480-38787-4	C-SW-3-W	Water	05/21/13 15:10	05/22/13 15:30
480-38787-5	C-MW15-W	Water	05/21/13 15:40	05/22/13 15:30
480-38787-6	C-MW12-W	Water	05/21/13 16:00	05/22/13 15:30
480-38787-7	C-MW13-W	Water	05/21/13 16:15	05/22/13 15:30
480-38787-8	C-MW1-W	Water	05/21/13 16:30	05/22/13 15:30
480-38787-9	C-MW1-W/D	Water	05/21/13 16:30	05/22/13 15:30
480-38787-10	C-MW14-W	Water	05/22/13 08:20	05/22/13 15:30

TestAmerica Buffalo

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

TAL-4124 (1007)

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

Client: Santec		Project Manager: A. Szemengul		Date: 5/22/13		Chain of Custody Number: 242045	
Address: 61 Commercial St		Telephone Number (Area Code)/Fax Number:		Lab Number:		Page: 1 of 1	
City: Rochester		Zip Code: 14614		Analysis (Attach list if more space is needed)			
State: NY		Lab Contact: S. Reynolds, Sarah R. Van Dette					
Project Name and Location (State): Confidential		Carrier/Trailer Number:					
Contract/Purchase Order/Quote No.: 190500772							
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix	Containers & Preservatives	Special Instructions/ Conditions of Receipt		
C-Trip Blank-052113-W	5/21/13	1425	✓	3			
C-SW1-W (MS/MSD)	5/21/13	1430	✓	3			
C-SW2-W	5/21/13	1500	✓	3			
C-SW3-W	5/21/13	1510	✓	3			
C-MW15-W	5/21/13	1540	✓	3			
C-MW12-W	5/21/13	1600	✓	3			
C-MW13-W	5/21/13	1615	✓	3			
C-MW1-W	5/21/13	1630	✓	3			
C-MW1-W/D	5/21/13	1630	✓	3			
C-MW14-W	5/22/13	0820	✓	3			
<p>Possible Hazard Identification: <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Return To Client <input type="checkbox"/> Sample Disposal</p> <p>Turn Around Time Required: <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input checked="" type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other</p> <p>1. Relinquished By: <i>[Signature]</i> Date: 5/22/13 Time: 1357</p> <p>2. Relinquished By: <i>[Signature]</i> Date: 5/22/13 Time: 1530</p> <p>3. Relinquished By: <i>[Signature]</i> Date: 5/22/13 Time: 1530</p> <p>Comments: 2081</p>							

DISTRIBUTION: WHITE - Returned to Client with Report, CANVARY - Stays with the Sample, PINK - Field Copy

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 480-38787-1

Login Number: 38787

List Source: TestAmerica Buffalo

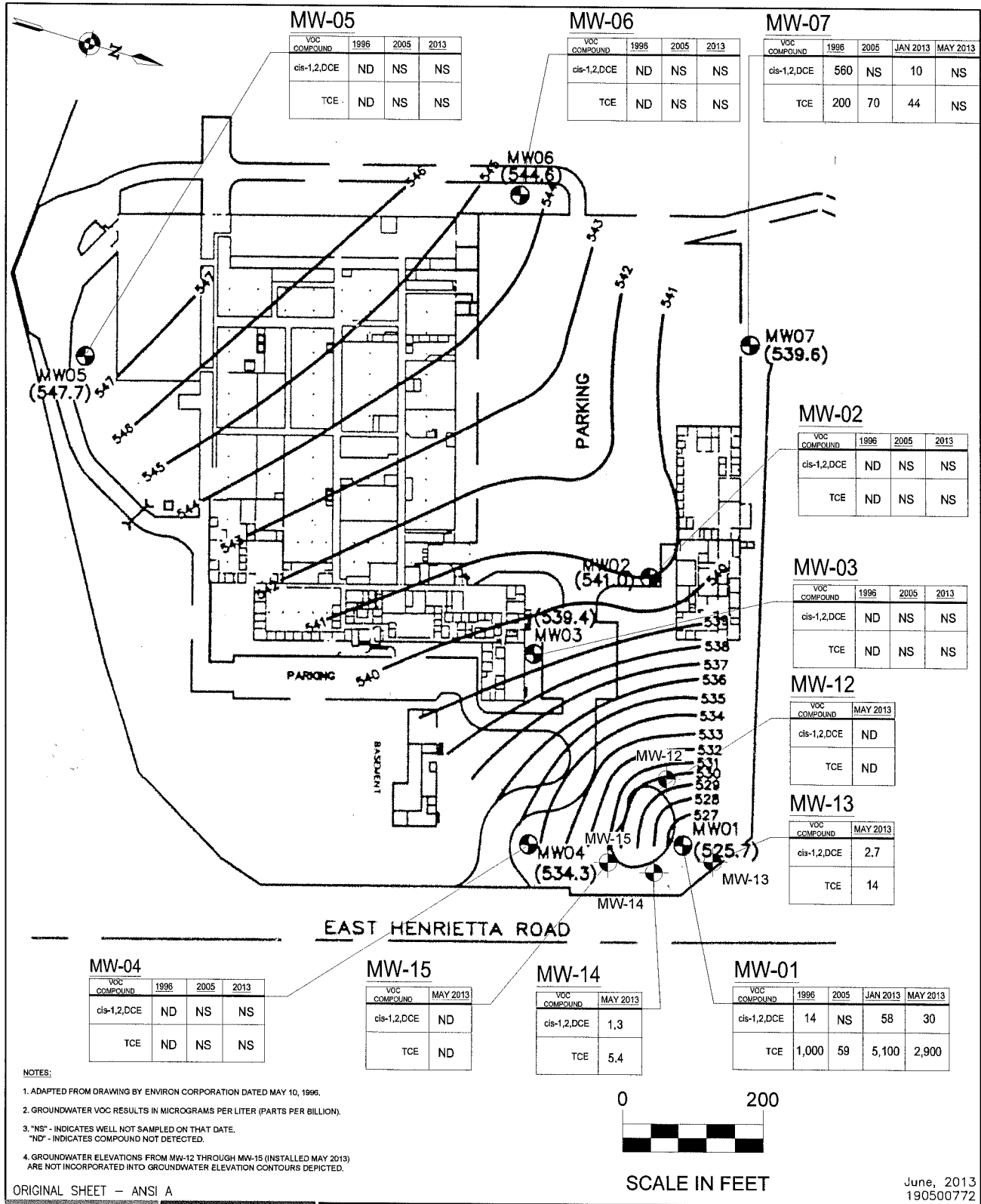
List Number: 1

Creator: Janish, Carl

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	STANTEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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U:\190500772\DRAWING\OPC FIGURES\FIGURE1 REVISED 06-14-2013.DWG



Stantec

Stantec

61 Commercial Street
Rochester, NY
14614

Tel. 585.475.1440
Fax. 585.272.1814
www.stantec.com

Client/Project

Privileged and Confidential
Prepared at Request of Counsel

Figure No.

1

Title

Historical Groundwater Flow
and Quality

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Information**

APPENDIX 9

Reference of Published Sources

Reference of Published Sources

USGS 7.5 Minute Topographic Quadrangle Map Pittsford, New York	Delorme X-map
Monroe County Soil Survey	US Department of Agriculture Natural Resource Conservation Service (NRCS) website
USEPA NPL, Delisted NPL, CERCLIS, CERCLIS NFRAP, RCRA TSD, RCRA Generator, Federal Institutional and Engineering Controls, and ERNS Listings	USEPA Website
NYSDEC IHWDS, Voluntary Cleanup Site, Brownfield Sites, and Updated Spills	NYSDEC Website
NYS Hazardous Substance Sites	NYSDEC Hazardous Substance Waste Disposal Site Study Book, 1998
Local Landfill or Solid Waste Information	MCEMC
Part 360 Permitted Landfill listings	NYSDEC Division of Solid & Hazardous Material Listing Website February 2006
Aerial Photographs	Monroe County Maps
Environmental Reports	Prepared by ENVIRON Corporation April 1996, May 1996, and Stantec June 2013
Survey Map	Prepared by Lozier, December 14, 1993
Plat Map	Monroe County Library
Street Directories	Monroe County Library