

file

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Technical Support, 11th Floor
625 Broadway, Albany, New York 12233-7020
Phone: (518) 402-9553 • **FAX:** (518) 402-9577
Website: www.dec.state.ny.us



Erin M. Crotty
Commissioner

MEMORANDUM

TO: See Distribution List

FROM: Kelly A. Lewandowski, NYSDEC - DER Bureau of Technical Support *Kelly A. Lewandowski*

SUBJECT: Environmental Restoration Projects Application
714 Broadway, E447034

DATE: JUL 23 2004

The attached Environmental Restoration Projects (ERP) Application for remedial work at the subject site has been forwarded to you for your records and/or processing according to the established Environmental Restoration Projects procedures. If you require additional copies or the complete series of the related application's attachments, please contact me at 518-402-9553.

T&A Code for the subject site: TBA by Program Management.

Attachment(s)

Distribution

Original (without attachments) to:

Larry Alden, NYSDEC - DER Remedial Bureau D

Copy (with all attachments) to:

Gary Litwin, NYSDOH - DEHI Bureau of Environmental Exposure Investigation

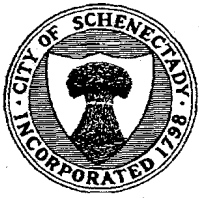
A. Geisendorfer, NYSDEC - Region 4

Copy (without attachments) to:

Anthony Quartararo, NYSDEC - DEE Superfund and Voluntary Cleanup Bureau

Christina Dowd, NYSDEC - DFWMR Bureau of Habitat

Ed Belmore, NYSDEC - DER Remedial Bureau D



**DEPARTMENT OF ENGINEERING
AND PUBLIC WORKS**

**CITY OF SCHENECTADY
NEW YORK**

ROOM 205 CITY HALL
105 JAY STREET
SCHENECTADY, NY 12305
(518) 382-5082
FAX (518) 382-1050

CARL OLSEN
COMMISSIONER, DGS
BERNARD R. SISSON, PE
CITY ENGINEER

June 21, 2004

NYS Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7020

Attn: Chief Site Control Section

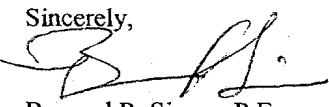
Re: 714 Broadway
City of Schenectady, New York
NYSDEC PBS No. 4-600945

Dear Chief:

Enclosed are one original and two complete copies (3 total) of an Environmental Restoration Program application for the investigation of the property and for the closure of petroleum storage tanks on the property located at 714 Broadway in the City of Schenectady, New York. The original has been signed and certified by Mr. Carl Olsen, Commissioner of the Department of General Services, who, by resolution of the Common Council of the City of Schenectady will act as the City's authorized representative on the project. A copy of that Resolution No. 2004-112, dated May 24, 2004 and approved by the Mayor of the City of Schenectady on May 28, 2004 is also enclosed.

A copy of these documents are also being forwarded to Mr. Alan Geisendorfer in the NYSDEC Region 4 office. The City looks forward to NYSDEC's approval of this Environmental Restoration Program application. Please call me at (518) 382-5082 if you have any questions.

Sincerely,


Bernard R. Sisson, P.E.
City Engineer

Enclosure

cc: Alan Geisendorfer, NYSDEC Region 4, w/enc. (1 copy)
Carl Olsen, Commissioner, Department of General Services (ltr only)



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



ENVIRONMENTAL RESTORATION PROGRAM (ERP) APPLICATION

1996 CLEAN WATER/CLEAN AIR BOND ACT

ECL ARTICLE 56 - 6NYCRR 375-4

10/9/03

Applicant Information			
NAME OF MUNICIPALITY City of Schenectady			
NAME OF INDIVIDUAL AUTHORIZED TO SIGN APPLICATION Carl Olsen			
TITLE OF AUTHORIZED INDIVIDUAL Commissioner, Department of General Services			
ADDRESS City Hall, 105 Jay Street			
CITY/TOWN Schenectady		ZIP CODE 12305	
PHONE 518-382-5000	FAX 518-382-1050	E-MAIL	
NAME OF COMMUNITY BASED ORGANIZATION (IF APPLICABLE)			
COMMUNITY BASED ORGANIZATION'S REPRESENTATIVE			
ADDRESS			
CITY/TOWN		ZIP CODE	
PHONE	FAX	E-MAIL	
Site Information			
SITE NAME 714 Broadway			
SITE ADDRESS 714 Broadway			
CITY/TOWN Schenectady		ZIP CODE 12305	
COUNTY Schenectady	SIZE (ACRES) 34.1		
LATITUDE N 42° 48.296'	LONGITUDE W 73° 56.956'		
PLEASE ATTACH A COUNTY TAX MAP WITH IDENTIFIER NUMBERS, ALONG WITH ANY FIGURES NEEDED TO SHOW THE LOCATION AND BOUNDARIES OF THE SITE. ALSO INCLUDE A USGS 7.5 MINUTE QUAD MAP IN WHICH THE SITE IS LOCATED.			
1. DO THE SITE BOUNDARIES CORRESPOND TO TAX MAP METES AND BOUNDS? IF NO, PLEASE ATTACH A METES AND BOUNDS DESCRIPTION OF THE SITE.		☒ YES ☐ NO	
2. IS THE SITE PART OF A DESIGNATED BROWNFIELD OPPORTUNITY AREA PURSUANT TO GML970-R? IF YES, IDENTIFY AREA (NAME) _____		☐ YES ☒ NO	
3. IS THE SITE LISTED ON THE NYS REGISTRY OF INACTIVE HAZARDOUS WASTE DISPOSAL SITES? IF YES, FILL IN CURRENT REGISTRY SITE NUMBER AND CLASSIFICATION.		☐ YES ☒ NO	
REGISTRY SITE NUMBER: _____		CLASSIFICATION: _____	

Applicant Eligibility Information

1. HAS THE APPLICANT GENERATED, TRANSPORTED OR DISPOSED OF, OR ARRANGED FOR OR CAUSED THE GENERATION, TRANSPORTATION OR DISPOSAL OF, HAZARDOUS WASTE OR PETROLEUM ON THE SITE? ☐ YES ☒ NO
2. HAS THE APPLICANT UNDERTAKEN, OR INTEND TO UNDERTAKE, ANY INDEMNIFICATION OBLIGATION RESPECTING A PARTY RESPONSIBLE UNDER LAW FOR THE REMEDIATION OF THE SITE? ☐ YES ☒ NO
3. HAS THE APPLICANT LEASED THE SITE TO ANOTHER PARTY THAT GENERATED, TRANSPORTED OR DISPOSED OF, OR THAT ARRANGED FOR OR CAUSED THE GENERATION, TRANSPORTATION OR DISPOSAL OF HAZARDOUS WASTE OR PETROLEUM ON THE SITE? IF YES, CHECK ONE OF THE FOLLOWING: ☐ YES ☒ NO
- ☐ A. THE APPLICANT DID NOT KNOW THAT SUCH OTHER PARTY GENERATED, TRANSPORTED OR DISPOSED OF, OR ARRANGED FOR OR CAUSED THE GENERATION, TRANSPORTATION OR DISPOSAL OF SUCH HAZARDOUS WASTE OR PETROLEUM.
- ☐ B. THE APPLICANT KNEW THAT SUCH OTHER PARTY GENERATED, TRANSPORTED OR DISPOSED OF, OR ARRANGED FOR OR CAUSED THE GENERATION, TRANSPORTATION OR DISPOSAL OF SUCH HAZARDOUS WASTE OR PETROLEUM AND DID NOT TAKE ACTION TO REMEDIATE OR CAUSE THE REMEDIATION OF SUCH HAZARDOUS WASTE OR PETROLEUM.
- ☐ C. THE APPLICANT KNEW THAT SUCH OTHER PARTY GENERATED, TRANSPORTED OR DISPOSED OF, OR ARRANGED FOR OR CAUSED THE GENERATION, TRANSPORTATION OR DISPOSAL OF SUCH HAZARDOUS WASTE OR PETROLEUM AND TOOK ACTION TO REMEDIATE OR CAUSE THE REMEDIATION OF SUCH HAZARDOUS WASTE OR PETROLEUM.
4. DOES THE APPLICANT CURRENTLY OWN THE SITE OR HAS IT OBTAINED TEMPORARY INCIDENTS OF OWNERSHIP FOR AN INVESTIGATION PURSUANT TO ECL 56-0508? ☒ YES ☐ NO

Project Description

PLEASE ATTACH A DESCRIPTION OF THE PROJECT WHICH INCLUDES THE FOLLOWING INFORMATION (REFER TO THE ENVIRONMENTAL RESTORATION PROGRAM PROCEDURES HANDBOOK FOR DETAILED INSTRUCTIONS).

- PURPOSE AND SCOPE OF THE PROJECT;
- CURRENT AND PROPOSED FUTURE USE OF THE SITE (RESIDENTIAL, COMMERCIAL, INDUSTRIAL);
- ESTIMATED PROJECT COST (INCLUDE ANY RESPONSIBLE PARTY COST RECOVERY PAYMENTS RECEIVED OR ANTICIPATED, AS WELL AS ANY OTHER ACTUAL OR POTENTIAL FUNDING SOURCES FOR THE PROJECT);
- HOW THE PROJECT WOULD SATISFY THE CRITERIA OF ECL 56-0505; AND
- ESTIMATED PROJECT SCHEDULE (FIELD WORK MUST BEGIN WITHIN 12 MONTHS OF THE APPLICATION APPROVAL DATE)

Site's Environmental History

TO THE EXTENT THAT EXISTING INFORMATION/STUDIES/REPORTS ARE AVAILABLE TO THE APPLICANT, PLEASE ATTACH THE FOLLOWING:

1. **ENVIRONMENTAL DATA**
A PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT PREPARED IN ACCORDANCE WITH ASTM E 1527 (American Society for Testing and Materials: Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process), AND ALL ENVIRONMENTAL REPORTS RELATED TO CONTAMINANTS ON OR EMANATING FROM THE SITE.
2. **OWNERS**
A LIST OF PREVIOUS OWNERS WITH NAMES, LAST KNOWN ADDRESSES AND TELEPHONE NUMBERS (DESCRIBE APPLICANT'S RELATIONSHIP, IF ANY, TO EACH PREVIOUS OWNER LISTED. IF NO RELATIONSHIP, PUT "NONE").
3. **OPERATORS**
A LIST OF PREVIOUS OPERATORS WITH NAMES, LAST KNOWN ADDRESSES AND TELEPHONE NUMBER (DESCRIBE APPLICANT'S RELATIONSHIP, IF ANY, TO EACH PREVIOUS OPERATOR LISTED. IF NO RELATIONSHIP, PUT "NONE").

Contaminant Information

INDICATE KNOWN OR SUSPECTED CONTAMINANTS AND THE MEDIA WHICH ARE KNOWN OR SUSPECTED TO HAVE BEEN AFFECTED:

Contaminant Category	Soil	Groundwater	Surface Water	Sediment	Soil Gas
Petroleum	X	X			
Chlorinated Solvents					
Other VOCs					
SVOCs					
Metals					
Pesticides					
PCBs					
Other* _____					

*PLEASE DESCRIBE: _____

Project Information (Complete for Remediation Projects Only)

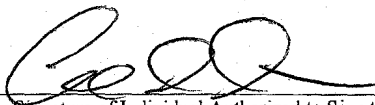
1. HAS THE DEC ISSUED A RECORD OF DECISION FOR THE SITE UNDER THE ERP? ☐ YES ☒ NO
2. HAS GROUNDWATER OR A SURFACE WATER BODY BEEN CONTAMINATED ABOVE STANDARDS?
IF YES, CHECK ALL THAT APPLY: **
☐ A. THE INFLUENT TO A PUBLIC OR PRIVATE WATER SUPPLY HAS BEEN CONTAMINATED OR THREATENED.
☐ B. A CLASS A OR AA SURFACE WATER BODY OR A PRIMARY OR PRINCIPAL AQUIFER HAS BEEN CONTAMINATED WITHOUT AFFECTING AN EXISTING WATER SUPPLY.
☐ C. GROUNDWATER HAS BEEN CONTAMINATED ABOVE STANDARDS OR A SURFACE WATER HAS BEEN IMPACTED.
3. HAVE ENDANGERED, THREATENED OR RARE SPECIES, STATE PROTECTED STREAMS, OR STATE REGULATED WETLANDS BEEN IMPACTED BY RELEASES FROM THE SITE? ☐ YES ☒ NO
4. ARE CONTAMINANTS PRESENT IN SOILS/WASTE AT LEVELS THAT EXCEED DEC DIVISION OF ENVIRONMENTAL REMEDIATION GUIDANCE VALUES? ** ☐ YES ☐ NO
5. IS THE SITE LOCATED IN A DESIGNATED EMPIRE ZONE? ☒ YES ☐ NO
6. IS THE SITE LOCATED IN A DESIGNATED EN-ZONE PURSUANT TO TL § 21 (b)(6)? ☒ YES ☐ NO
7. HAS ALL OR PART OF THE SITE BEEN IDLE OR ABANDONED FOR MORE THAN ONE YEAR? ☒ YES ☐ NO
7. HAS THE APPLICANT SIGNED AN AGREEMENT WITH A PRIVATE PARTY TO REUSE THE SITE ONCE IT IS RESTORED? ☐ YES ☒ NO
8. HAS THE APPLICANT COMMITTED TO A NEW PUBLIC OR RECREATIONAL USE? ☐ YES ☒ NO
9. HAS THE APPLICANT COMPLIED WITH THE STATE ENVIRONMENTAL QUALITY REVIEW ACT (SEQRA) REGARDING THIS ACTION? IF YES, INCLUDE THE DETERMINATION (NEGATIVE DECLARATION OR FINDINGS STATEMENT) IN THE ATTACHED PROJECT DESCRIPTION AND IDENTIFY ALL INVOLVED AGENCIES IN THE COORDINATED REVIEW. ☐ YES ☒ NO
10. IS THE APPLICANT AWARE OF OTHER FUNDING SOURCES FOR REMEDIATING THE SITE?
IF YES, PROVIDE SOURCE(S) AND DOLLAR AMOUNT IN THE ATTACHED PROJECT DESCRIPTION. ☐ YES ☒ NO

Municipality Certification

The undersigned on behalf of the applicant does hereby certify that:

- All statements made for the purpose of obtaining State assistance for the proposed project either are set out in full in this application, or are set out in full in exhibits attached to this application and incorporated by this reference; and
- The individual whose signature appears hereon is authorized to sign this application for the municipality.

A FALSE STATEMENT MADE HEREIN IS PUNISHABLE AS A CLASS "A" MISDEMEANOR PURSUANT TO SECTION 210.45 OF THE PENAL LAW.



Signature of Individual Authorized to Sign the Application

6/21/04
Date

Community Based Organization Certification (if applicable)

The undersigned on behalf of the Community Based Organization acting in partnership with the municipality does hereby certify that:

- The Community Based Organization is a not-for-profit corporation, exempt from taxation under section 501(c)(3) of the internal revenue code whose stated mission is promoting reuse of brownfield sites within a specified geographic area in which the Community Based Organization is located, which has 25% or more of its board of directors residing in the community in such area;
- The Community Based Organization represents a community with a demonstrated financial need;
- Not more than 25% of the members, officers or directors of the Community Based Organization are or were employed by or receiving compensation from any person responsible for a site under title 13 or title 14 of article 27 of the Environmental Conservation Law, article 12 of the navigation law or under applicable principles of statutory or common law liability; and
- The individual whose signature appears hereon is authorized to sign this application for the Community Based Organization.

A FALSE STATEMENT MADE HEREIN IS PUNISHABLE AS A CLASS "A" MISDEMEANOR PURSUANT TO SECTION 210.45 OF THE PENAL LAW.

Signature of Individual Authorized to Sign for the Community Based Organization

Date

SUBMITTAL INFORMATION:

Four (4) complete copies, one with original signatures, are required.

- **Three (3)** of the copies, one with original signatures, must be sent to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7020

- **One (1)** copy must be sent to the DEC regional contact in the regional office covering the county in which the site is located. Please check our website for the address of our regional offices: <http://www.dec.state.ny.us/website/der/index.html>

FOR DEPARTMENT USE ONLY:

ERP SITE NO: _____ ERP SITE T&A CODE: _____ PROJECT MANAGER: _____

**Municipal Assistance Environmental Restoration Projects
"Brownfields Program"
1996 Clean Water/Clean Air Bond Act
Environmental Restoration Projects - Title 5**

APPLICATION

**City of Schenectady
714 Broadway**

PROJECT DESCRIPTION

Purpose & Scope: The purpose of the project is to conduct an environmental site investigation for evidence of a contaminant release, to close existing above ground and underground petroleum storage tanks on the site, to excavate and remove petroleum contaminated soils, if present above NYSDEC regulatory criteria, and to develop a Remedial Alternatives Report, if warranted, for the property located at 714 Broadway, in the City of Schenectady, Schenectady County, New York. Four abandoned underground petroleum storage tanks and one abandoned above ground heating fuel oil tank are present at the site. The City of Schenectady intends to market the property as a commercial use consistent with surrounding zoning. The scope of the project will involve the work tasks described below, and others as required by the Department. To date, the Tank Investigations and Subsurface Investigations (Items A, B, C and D) have been conducted. A copy of the Petroleum Storage Tanks and Geoprobe Subsurface Investigations Report dated June 4, 2004 and prepared by C.T. Male Associates, P.C. is attached to this application.

A. Tank Investigations

The tanks will be assessed to determine the contents (liquid and/or sludge), diameter of the tanks and number of tanks. A sample of the liquid and/or sludge present in the tanks will be sampled using a new clean disposable bailer (liquid sample) and/or decontaminated hand auger (sludge sample), as appropriate, for laboratory analyses. The samples will be analyzed by a NYSDOH ELAP certified laboratory and the analyses may include volatile organic compounds (VOCs) by EPA Method 8021, PCBs by EPA Method 8082 and TCLP lead and chromium, depending on the findings of the tanks' contents.

B. Geoprobe Bore Holes, And Soil Sampling And Screening

A subsurface investigation will be conducted and will consist of advancing approximately six (6) to eight (8) Geoprobe bore holes on-site. The bore holes will be advanced around the perimeter of the underground tanks to assess for evidence of a

release and potential impacts to the soil and groundwater quality from the underground tanks. The borehole locations will be determined in the field and depend on access and the location of underground utilities. Underground utilities will be cleared with the City of Schenectady and UFPO.

During advancement of the Geoprobe, continuous soil sampling will be performed with a 4-foot Macro-core sampler to depth of approximately 12 feet to 16 feet, depending on the depth groundwater is encountered and whether evidence of contamination is encountered. The sampling equipment will be decontaminated prior to use, in between each use and at completion of use to prevent cross contamination between samples. The soil samples will be screened in the field by headspace analysis with a photoionization detector (PID) meter for evidence of VOCs contamination (i.e., solvent and petroleum contamination). Subsurface exploration logs will be prepared with observations and the soil classifications. At completion of the work, the bore holes will be abandoned with soil cuttings and bentonite chips and the surface restored.

In addition to taking samples for field screening, select soil samples will be taken for laboratory analyses to confirm the field screening results and for comparison against the TAGM 4046, Determination of Soil Cleanup Objectives and Cleanup Levels criteria. The soil samples will be analyzed in the laboratory on a total basis for aromatic and chlorinated VOCs by EPA Method 8021. The laboratory analyses results will be evaluated against the regulatory standards and guidance values.

C. Groundwater Sampling and Laboratory Analysis

To determine if the groundwater has been impacted in the area of the underground tanks, groundwater samples will be taken during the Geoprobe investigations with a Geoprobe Screen Point 15 groundwater sampler. The groundwater samples will be analyzed in the laboratory for aromatic and chlorinated VOCs by EPA Method 8021. The laboratory analyses results will be evaluated against the regulatory standards and guidance values.

D. Tank Investigations and Subsurface Investigation Report

Following the completion of the tank and subsurface investigations and evaluation, a report will be prepared. The report will include a summary of the tank and Geoprobe investigations conducted, the findings, evaluation of the data, recommendations for additional action if warranted, subsurface exploration logs, laboratory analysis reports and a sketch showing the tank locations and Geoprobe bore hole sampling locations. The report will be submitted to the NYSDEC.

E. Closure of Above Ground and Underground Storage Tanks

Depending on the findings of the tank and subsurface investigations the underground storage tanks will be closed in place or removed. Any product or sediment/sludge present in the tanks will be characterized and properly disposed of off-site, the tanks cleaned, and then closed in place by filling all the voids with sand or flowable fill, or removed. The NYSDEC will be notified of the tank closures in accordance with 6 NYCRR Part 613.9(c). At completion of all the tank closure work, a Tank Closures Report will be prepared for submission to the NYSDEC. The report will include dates the work was performed, contractors involved, conditions encountered, number of tanks and size, observations, transportation and disposal documents, tank closure notification forms, photographs and other applicable information.

F. Remediation of Petroleum Contaminated Soil

If petroleum contaminated soil is determined to be present above NYSDEC TAGM 4046 criteria and required to be remediated, the contaminated soil will be excavated and properly disposed of off-site. Following soil excavation, confirmatory soil samples will be collected and analyzed in the laboratory on a total basis for aromatic and chlorinated VOCs by EPA Method 8021 to determine if the soil remaining in place meets the TAGM 4046 criteria. At completion of the soil remediation, a Soil Remediation Report will be prepared for submission to the NYSDEC. The report will include dates the work was performed, contractors involved, conditions encountered, observations, quantity of contaminated soil excavated, transportation and disposal documents, photographs and other applicable information.

Summary of Property's Environmental History:

The site is located at 714 Broadway in the City of Schenectady, Schenectady County, New York. The project site is approximately 30 feet by 86.6 feet and contains one two-story structure. According to City assessment records, the site used to be a gas and service station, and then was used for storage and residence. Two fill pipes are visible on the property and a 275 gallon above ground heating oil tank is present inside the building on-site. According to the previous property owner, there are four underground petroleum storage tanks on the property. The status of the tanks and whether a release has occurred from the tanks is to be determined.

The property is owned by the City of Schenectady, which acquired the property by tax foreclosure proceedings sometime after approximately 2000.

Description of Property's Intended Future Use:

Upon completion of the site investigations, tank closures and remediation work, if warranted, the City of Schenectady intends to market the lot as a commercial use consistent with surrounding zoning. The investigations and tank closures, remediation of the property, if warranted, and subsequent marketing and sale of this piece of property would confer an environmental and economic benefit to the City of Schenectady. Future development would increase the local economy's tax base as well as provide jobs for residents of the surrounding area.

Estimate of the Projects Cost:

Total Estimated Fee	\$105,000.00
Municipal Share (10%)	\$ 10,500.00
State Share (90%)	\$ 94,500.00

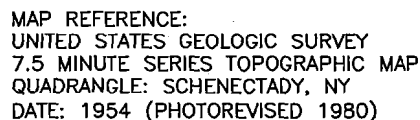
Other Funding Sources: The City of Schenectady is not aware of any other funding sources for this project.

How Does the Project Satisfy the Criteria of ECL 56-0505: The proposed environmental restoration project satisfies the criteria of ECL 56-0505, in that

- A. The property is not listed on the New York State registry of inactive hazardous waste sites;
- B. The objective of the proposed project is to protect public health and the environment in a manner consistent with the Environmental Conservation Law and its governing regulations;
- C. Investigation and closure of the petroleum storage tanks, and remediation of the property, if warranted, would greatly benefit the site and surrounding environment. Investigations are necessary to determine if a release has occurred from the tanks, and if so, whether it has impacted the quality of soil and/or groundwater at the site above regulatory thresholds.
- D. The proposed project confers a benefit on the City, County and State as a potential opportunity for the property to be restored and rehabilitated from its present condition to a property capable of commercial redevelopment. Remediation and redevelopment of the site would restore what is now an environmental and fiscal liability to an economically viable property that could be restored to the tax rolls, and which would boost a flagging local economy.
- E. The opportunity probably does not exist for any portions for the property to be used for public recreational use.

F. At this time, no other public funding sources appear to be available for the investigation or remediation of the subject property. The existence of private parties willing to investigate and remediate the subject property using private funding sources does not appear to be available at this time.

Site Maps: See attached Figure 1 - USGS Quadrangle Map for Schenectady and Figure 2 - City of Schenectady Tax Map.



Date	RECORD OF WORK	Appr.	FIGURE 1 SITE LOCATION MAP 714 BROADWAY SITE
Drafter: JAM Checker:			CITY OF SCHENECTADY SCHENECTADY COUNTY,
Appr. by: Proj. No. 04.9133			C.T. MALE ASSOCIATES, P.C. 50 CENTURY HILL DRIVE, P.O. BOX 727, LATHAM, NY 12110 518.786.7400 * FAX 518.786.7299 Architecture & Building Systems Engineering Civil Engineering Environmental Services * Survey & Land Information Services
			SCALE: ±1"=2,000' DATE: MARCH 2004



CITY CLERK'S OFFICE
CITY OF SCHENECTADY
COUNTY OF SCHENECTADY
STATE OF NEW YORK

(518) 382-5195

Resolution No. 2004-112

I, Carolyn Friello, City Clerk of the City of
Schenectady, N.Y. certify that the foregoing is a true copy of a Resolution duly adopted by the Council of
Schenectady, New York at a meeting held in the City Hall in the City of Schenectady, N.Y. on the 24th day
of May 2004

and approved by the Mayor on the 28th day of May 2004

WITNESS, my hand at Schenectady, N.Y. the 1st day of June 2004

Carolyn Friello
City Clerk of Schenectady, N.Y.

4

**CITY COUNCIL
SCHENECTADY, NEW YORK**

RESOLUTION NO. 2004-112

Councilmember

BLANCHFIELD

offered the following:

WHEREAS, the City of Schenectady is applying to the New York State Office of Environmental Conservation for Municipal Assistance Environmental Restoration Projects-Title 5, "Brownfields Program" 1996 Clean Water/Clan Air Bond Act for and Environmental Study at 714 Broadway; and

WHEREAS, herein called the "Municipality", after thorough consideration of the various aspects of the problem and study of available data, has hereby determined that certain work, as described in its application and attachments, herein called the "Project" is desirable, is in the public interest and is required in order to implement the Project; and

WHEREAS, Article 56 of the Environmental Conservation Law authorizes State assistance to municipalities for environmental restoration projects by means of a contract and the Municipality deems it to be in the best interest and benefit under this law to enter into a contract therewith;

NOW THEREFORE BE IT RESOLVED

1. That the Commissioner of General Services for the City of Schenectady is the representative authorized to act in behalf of the Municipality's in all matters related to State assistance under ECL Article 56, Title 5. The representative is also authorized to make application, execute the State Assistance Contract, submit Project documentation, and otherwise act for the Municipality's governing body in all matters related to the Project and to State assistance;

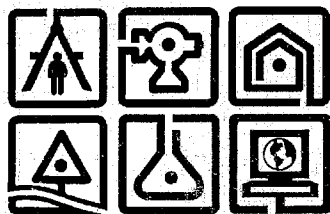
2. That the Municipality agrees that it will fund its portion of the cost of the Project and that the funds will be available to initiate the Project's field work within twelve (12) months of written approval of its application by the Department of Environmental Conservation; The City is eligible to apply under the Brownfield's Restoration Program for up to ninety (90%) of the cost of the project which is estimated at one hundred five thousand (\$105,000.00) for the Environmental Study and related Clean-up. The City's share is \$10,500.00;
3. That one (1) certified copy of this Authorization be prepared and sent to the Albany office of the New York State Department of Environmental Conservation together with the Application for State Assistance;
4. That this Authorization takes effect immediately.

Approved as to form: _____


ALFRED L. GOLDBERGER
Corporation Counsel

RESOLUTION adopted unanimously
by Councilmembers
MAY 24 2004
Approved by Mayor MAY 28 2004
Vetoed by Mayor _____

June 4, 2004



Petroleum Storage Tanks And Geoprobe Subsurface Investigations Report

714 Broadway Street
City of Schenectady
Schenectady County, New York
NYSDEC Spill No. 04-00440
NYSDEC PBS No. 4-600945

Prepared for:

**CITY OF SCHENECTADY DEPARTMENT
OF ENGINEERING AND PUBLIC WORKS**
Room 205 City Hall
105 Jay Street
Schenectady, New York 12305

Prepared by:

C.T. MALE ASSOCIATES, P.C.
50 Century Hill Drive
P.O. Box 727
Latham, New York 12110
(518) 786-7400
FAX (518) 786-7299

C.T. Male Project No: 04.9133

Unauthorized alteration or addition to this
Document is a violation of Section 7209
Subdivision 2 of the New York State
Education Law.

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C.T. MALE ASSOCIATES, P.C.

**PETROLEUM STORAGE TANKS AND
GEOPROBE SUBSURFACE INVESTIGATIONS REPORT
714 BROADWAY STREET
CITY OF SCHENECTADY**

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FIGURE 2:	Tax Map
FIGURE 3:	Sampling Locations Map

**PETROLEUM STORAGE TANKS AND
GEOPROBE SUBSURFACE INVESTIGATIONS REPORT
714 BROADWAY STREET
CITY OF SCHENECTADY**

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APPENDICES

- APPENDIX A: Tank Investigation Laboratory Analysis Report and Chain of Custody Record
- APPENDIX B: Geoprobe Subsurface Exploration Logs
- APPENDIX C: Organic Vapor Headspace Analysis Logs
- APPENDIX D: Subsurface Investigation Laboratory Analysis Report and Chain of Custody Record

1.0 INTRODUCTION

1.1 General

This report presents the findings of an investigation of petroleum storage tanks and a Geoprobe subsurface investigation conducted at 714 Broadway Street, which is located at the intersection of Weaver Street and Broadway Street in the City of Schenectady, Schenectady County, New York. The site is approximately 30 feet by 86.6 feet and contains one two-story structure. A Site Location Map of the site and surrounding area is presented as Figure 1. A Tax Map of the site is presented as Figure 2.

The purpose of the Petroleum Storage Tanks and Geoprobe Subsurface Investigations was to determine the number of tanks present, potential size and contents, and to conduct a tank assessment in accordance with 40 CFR Part 280.72 for evidence of a release of petroleum from up to four abandoned underground storage tanks at the 714 Broadway Street site. The Petroleum Storage Tanks and Geoprobe Subsurface Investigations included the identification and investigation of four underground storage tanks and one above ground storage tank (Tanks 001 to 005), and the advancement of six Geoprobe bore holes using a truck-mounted direct push hydraulic unit (Geoprobe Model 540 U) to facilitate soil and groundwater sampling. All of the bore holes were advanced for soil sampling for field vapor screening with a photo-ionization detector (PID) meter, some of which were advanced for the collection of laboratory soil and groundwater samples. Bore holes GP-1, GP-2, GP-3, GP-4, and GP-6 were used for the collection of groundwater samples via a Screen Point 15 Groundwater Sampler for laboratory analysis. A groundwater sample was not obtained from GP-5 due to the lack of evidence of contamination based on olfactory observations (sight and smell) and field screening headspace analysis results. The investigation of the petroleum storage tanks was conducted on March 30, 2004 and the Geoprobe subsurface investigation field activities were conducted on April 14, 2004.

The Petroleum Storage Tanks and Geoprobe Subsurface Investigations were conducted by C.T. Male Associates, P.C. (C.T. Male) as requested by the City of Schenectady Department of Engineering and Public Works. C.T. Male subcontracted

with SJB Services, Inc. (SJB) of Ballston Spa, New York to perform the Geoprobe drilling to facilitate the soil and groundwater sampling. C.T. Male subcontracted with Phoenix Environmental Laboratories, Inc. (Phoenix) of Manchester, Connecticut to perform the laboratory analyses of soil and groundwater samples.

1.2 Project Background

The City of Schenectady was issued a Notice of Violation (NOV) by NYSDEC on November 28, 2003 regarding the facility's compliance with the NYS Petroleum Bulk Storage (PBS) regulations. The NOV in general identified violations pertaining to unregistered tanks and out of service tanks that have not been permanently closed. The City of Schenectady contracted with C.T. Male to investigate the site for petroleum bulk storage tanks and for evidence of a release from the tanks in preparation of permanently closing the tanks. On March 24, 2004 and April 1, 2004, C.T. Male on behalf of the City submitted a PBS application to register the known petroleum bulk storage tanks at the site and to register the additional tanks identified during the tank investigations on March 30, 2004, respectively. The site was assigned PBS Number 4-600945.

The City of Schenectady acquired the property by tax foreclosure proceedings. According to City assessment records, the site used to be a gas and service station, and then was used for storage and residence. During a telephone conversation, the previous property owner indicated that there are four underground petroleum storage tanks on the property (one 1,000 gallons and three 3,000 gallons) and one 275 gallon above ground heating oil tank inside the building on-site. According to the previous property owner, there were no gasoline pumps present when he purchased the property in approximately 1978.

2.0 TANK INVESTIGATIONS

2.1 Field Investigations and Findings

On March 30, 2004, a representative of C.T. Male conducted a site visit to determine the number and location of underground storage tanks (USTs) present, the potential size and contents. Representatives from the City of Schenectady Department of Public Works were also present with a backhoe excavator to provide assistance in locating the additional tanks reported to be present. Two exposed fill pipes were visible on-site in the paved area south of the on-site building. A vent pipe was visible along the southeast exterior wall of the on-site building. At the base of the vent pipe, four pipes were visible that rise vertically from underground and manifold together at the ground surface into the vertical vent pipe, suggesting four USTs are present on-site.

A magnetometer (Heliflex Magnetic Locator Model Number GA-52CX) was utilized to attempt to determine the orientation of the USTs associated with the exposed fill pipes and to locate the additional fill ports associated with the other two reported USTs on-site, but was not successful. A shallow trench was excavated with the backhoe excavator in a north-south direction from the exposed fill pipes to uncover the additional fill ports. The excavator uncovered two additional fill ports that generally were in-line with the original exposed fill ports. The fill ports run parallel with Weaver Street. The uncovered fill ports were covered with approximately 1-inch of asphalt. The trench was backfilled and the area graded after uncovering the additional fill pipes. The four exposed fill ports were identified as Tank 001, Tank 002, Tank 004, and Tank 005. A fifth tank, Tank 003, was observed inside the on-site structure along the north wall. It was identified as a 275 gallon heating oil tank. See attached Figure 3, Sampling Locations Map for the approximate location of the identified tanks.

The tank interiors were assessed to determine the contents and diameter of the tanks. Polyethylene was placed next to the fill ports during the assessment. At each fill port location, samples were collected of the tank contents, where applicable, the tank contents were assessed with an interface probe, gasoline paste and water paste, and tank measurements were taken. The interface probe was decontaminated in between

each use with Alconox soap and water and rinsed with deionized water. The rinse water was allowed to infiltrate the soil around the exposed fill ports. At completion of the assessment, the fill port covers were put back on and duct taped in place. The findings of the tank investigations are summarized below:

Description	Tank 001	Tank 002	Tank 004	Tank 005
Observation of Tank Contents	Appears to be water with no petroleum odor or sheen	Appears to be water with no petroleum odor or sheen	Appears to be dry	Appears to be water with no petroleum odor or sheen
Depth of Liquid	11.4"	12.8"	Dry	4.7"
Depth of Sediment/Sludge	None evident	None evident	Dry hard bottom, none evident	None evident
Gasoline Paste Assessment	No change in color	No change in color	Not sufficient liquid present	No change in color
Water Paste Assessment	Indicated water present	Indicated water present	No liquid present	Indicated water present
Interface Probe Assessment	No product present	No product present	No liquid present	No product present
Measured Tank Diameter	5' 4.5"	5' 4.5"	47" (approx. 4')	5' 3"
Total Depth From Top of Fill Pipe	8' 1"	8' 6"	6' 5"	8' 3.5"
Depth to Top of Tank From Grade	2' 8.5"	3' 2.5"	2.5'	3' 1/2"

As noted above, the fill ports to the four USTs generally line up and are parallel with Weaver Street. Taking into account the distance between the fill pipes at various orientations, it appears that the four tanks are probably all parallel to each other and orientated parallel with Broadway. The tank diameters are all around approximately 5-1/3 feet, except Tank 004 which is approximately 4 feet in diameter. Looking at tank charts for underground tanks, the tanks could be anywhere from 1,000 gallons (6' length) to 4,000 gallons (24' length) in size. The previous owner of the property reported the tanks to consist of one 1,000 gallon tank and three 3,000 gallon tanks. Tank 004 being 4 feet in diameter, may potentially be the 1,000 gallon tank referred to by the previous owner.

The 275 gallon fuel oil above ground storage tank (AST), Tank 003, located inside the on-site structure was visually inspected. The tank interior was observed to contain a small amount of oil. Using an oil/water interface probe, the depth of product was determined to be less than 0.01 feet.

2.2 Laboratory Analyses and Results

A sample of the liquid from Tank 001, Tank 002 and Tank 005 was collected using a new clean disposal bailer with new clean rope and wearing new clean nitrile gloves. The samples from Tank 001, Tank 002 and Tank 005 were placed in 40 mil septum glass vials preserved with hydrochloric acid for VOCs analysis, amber glass jar for PCBs analysis and plastic container preserved with nitric acid for TCLP chromium and lead analysis. Since what appeared to only be water was present in the referenced tanks, just the sample for VOCs analysis from Tank 005 was analyzed in the laboratory by EPA Method 8021. The samples were analyzed by Phoenix Environmental Laboratories, Inc. of Manchester, Connecticut a NYSDOH ELAP certified laboratory (ELAP #11301). There was not sufficient liquid present to collect a sample from Tank 004 or Tank 003.

For the sample from Tank 005, seven VOCs were detected at concentrations ranging from 11 ug/l of naphthalene to 1,300 ug/l of 1,2,4-trimethylbenzene. The VOCs detected were petroleum constituents, except 1,2,3-trichloropropane which was detected at 30 ug/l. In general, the water present in Tank 001, Tank 002 and Tank 005 appears to be petroleum contaminated water. A copy of the laboratory analysis report is enclosed in Appendix A.

3.0 METHOD OF GEOPROBE SUBSURFACE INVESTIGATION

3.1 General

Six exploratory bore holes were advanced around the four underground storage tanks in the paved area south of the on-site structure at 714 Broadway Street. Bore holes GP-1 through GP-6 were advanced on April 14, 2004. Since it was estimated that four USTs were present in a concentrated area of the site and probably parallel to each other based on the location of the fill pipes, the initial bore hole locations were selected such that there would be at least one bore hole on the north and south sides of the row of tanks (i.e., estimated to be the sides of the tanks) and one bore hole on the east and west sides of the row of tanks. (i.e., estimated to be the ends of the tanks) Since the northern most Tank 001 was a smaller diameter and potentially a 1,000 gallon tank, a bore hole was also advanced on the west end of the tank. Based on the findings as the work proceeded, a bore hole was also advanced southwest of the tanks.

Table 2.1-1 provides a summary of the Geoprobe bore hole program including identification numbers of the test bore hole locations, total depth and sampling data.

**TABLE 3.1-1
SUMMARY OF GEOPROBE BORE HOLE PROGRAM
714 BROADWAY**

Geoprobe ID	Total Depth (feet below grade)	Soil Sample Interval Analyzed In Lab (feet below grade)	Method of Collection and Depth of Screened Interval For Groundwater Sample Analyzed in Lab (feet below grade)
GP-1	16	None	Screen Point 15 Groundwater Sampler with screened interval exposed from 8 to 11 feet below grade.
GP-2	16	8-10	Screen Point 15 Groundwater Sampler with screened interval exposed from 12 to 15 feet below grade.
GP-3	16	8-10	Screen Point 15 Groundwater Sampler with screened interval exposed from 12 to 15 feet below grade.

TABLE 3.1-1
SUMMARY OF GEOPROBE BORE HOLE PROGRAM
714 BROADWAY

Geoprobe ID	Total Depth (feet below grade)	Soil Sample Interval Analyzed In Lab (feet below grade)	Method of Collection and Depth of Screened Interval For Groundwater Sample Analyzed in Lab (feet below grade)
GP-4	16	8-10	Screen Point 15 Groundwater Sampler with screened interval exposed from 12 to 15 feet below grade.
GP-5	16	None	None
GP-6	16	8-10	Screen Point 15 Groundwater Sampler with screened interval exposed from 12 to 15 feet below grade.

The Geoprobe test bore holes were advanced by SJB Services, Inc. of Ballston Spa, New York. A C.T. Male environmental geologist/scientist observed the advancement of the Geoprobe bore holes and collection of soil and groundwater samples. Soil conditions encountered during the subsurface investigation were recorded on subsurface exploration logs, and samples collected were classified by a C.T. Male environmental geologist/scientist using the Unified Soil Classification System. All Geoprobe sampling equipment, the Macro-core soil sampler, the Screen Point 15 groundwater sampler and associated tools were cleaned prior to the start of work, between each sampling interval and at completion of the work with non-phosphate detergent (i.e., Alconox) and potable water, and rinsed with potable water. Since evidence of petroleum contamination was encountered based on visual observations and odor, the decontamination liquid and groundwater purge water were discharged into Tank 001 with the existing petroleum contaminated water. The bore holes were abandoned with bentonite chips and existing soil.

The Geoprobe Subsurface Exploration Logs are enclosed in Appendix B. The Geoprobe bore hole locations are shown in Figure 3, Sampling Locations Map, at the end of the text of this report.

3.2 Soil Sampling

At all of the Geoprobe bore hole locations the soil was continuously sampled using a direct push stainless steel Macro-core sampler that was 4 feet in length and 1.75 inches in diameter. The Macro-core sampler was equipped with a new clean disposable acetate liner for the purpose of soil sample collection. The acetate liner was removed from the Macro-core sampler after each sample interval and opened. At all locations, a portion of the soil sample was quickly transferred from the acetate liner for a desired interval to new Ziploc brand plastic bags and filled about half full using a new pair of clean sampling gloves. Each sample was then shaken and screened with a MiniRAE 2000 PID meter. The PID meter was calibrated (using isobutylene standard calibration gas of 100 parts per million) prior to use in accordance with the manufacturer's instructions. The PID readings were recorded on Organic Vapor Headspace Analysis Logs which are presented in Appendix C.

At bore holes GP-2, GP-3, GP-4 and GP-6, samples were also taken for laboratory analysis. The acetate liner was cut open and a portion of the soil sample was quickly retrieved from the acetate liner from the desired interval using a new pair of clean sampling gloves and transferred to labeled, laboratory-supplied clean containers (one 4 ounce for volatile organic compounds (VOCs) analysis), and then soil was collected for PID screening. The jars were sealed and subsequently placed into a cooler containing bagged ice for submission to the laboratory along with a completed chain of custody record. Glass jars with Teflon lined caps for VOCs were filled with soil by taking soil from the location within the acetate liner that straddled the soil water interface or the depth corresponding to the water table to create a representative sample for a selected interval (i.e., 8-10 feet).

Four soil samples were sent for laboratory analyses from GP-2, GP-3, GP-4 and GP-6 based on visual observation of soil staining and petroleum odor at the water table, the PID screening results (i.e., the soil interval with the highest PID screening results was submitted for laboratory analysis), and corresponding to the bottom of the tanks. At GP-2, estimated to be near the middle of the west end of the cluster of tanks, a soil sample from 8 to 10 feet was submitted for laboratory analysis exhibiting a PID reading of 25.2 ppm above background. At GP-3, estimated to be near the middle south side of the cluster of tanks (south side of Tank 002), a soil sample from 8 to 10 feet was submitted for laboratory analysis exhibiting a PID reading of 53.5 ppm

above background. At GP-4, estimated to be near the middle of the east end of the cluster of tanks, a soil sample from 8 to 10 feet was submitted for laboratory analysis exhibiting a PID reading of 2.4 ppm above background. At GP-6, located southwest of the row of tanks, a soil sample from 8 to 10 feet was submitted for laboratory analysis exhibiting a PID reading of approximately 720 ppm above background.

In summary, one soil sample each was analyzed from bore holes advanced on the east and west ends of the cluster of tanks, and one soil sample each was analyzed from the bore holes advanced on the south side of the cluster of tanks and to the southwest of the cluster of tanks.

3.3 Groundwater Sampling

Groundwater samples were obtained from bore holes GP-1, GP-2, GP-3, GP-4 and GP-6 based on where soil screening PID readings were obtained and to account for the potential direction of groundwater flow. A groundwater sample was not obtained from GP-5 due to lack of contamination based on olfactory observations (sight and smell) and PID headspace analysis screening. A Geoprobe Screen Point 15 groundwater sampler with a 4-foot screen length was utilized to facilitate the groundwater sampling. The sampler is attached to the Geoprobe unit and pushed into the ground to the desired depth. Then the rods are pulled back and the screen is exposed to allow groundwater to enter the sampler. The soil samples became wet at approximately 8 to 10 feet below grade, therefore the screen was exposed from approximately 12 to 15 feet below grade, except at GP-1, where the screen was exposed from approximately 8 to 11 feet, as the bore hole had partially collapsed after the macro-core sampler had been removed. The sampler screen is wire-wound stainless steel (4-slot).

The groundwater samples were collected using new clean polyethylene and silicone tubing at each sample location and a peristaltic pump to transfer the groundwater from the Screen Point 15 sampler into labeled clean glass sample jars. Approximately $\frac{1}{4}$ gallon and $\frac{1}{2}$ gallon of groundwater was purged at these locations to reduce the turbidity and evacuate at least one well volume from the annulus of the sampler prior to collecting the laboratory samples. Samples were collected in laboratory-supplied glass 40 ml Teflon septum glass containers fixed with HCL for VOCs analysis.

4.0 FINDINGS OF GEOPROBE SUBSURFACE INVESTIGATION

4.1 Subsurface Conditions

4.1.1 Soil

A total of six Geoprobe bore holes were advanced across the site as shown in Figure 3. The termination depths of the bore holes were generally 16 feet below grade. The bore holes revealed similar subsurface soil conditions across the site. The soil sample descriptions for each Geoprobe bore hole are presented on individual Geoprobe Subsurface Exploration Logs in Appendix B.

The soil at the site generally consists of fill soils overlying silty sand soils although the transition between the two soil layers was not distinct. The fill soils were similar to the native soils and were generally comprised of brown fine sand and silt, with varying amounts of gravel. There were occasional occurrences of red brick, in the fill soils. Since the bottom depths of the USTs are estimated to be approximately 6.5 feet (Tank 004) and 8.5 feet (Tanks 001, 002 and 005) below grade, it is likely the fill soils extend to a similar depth as the bottom of each tank or the bottom of a concrete hold down pad, if it exists. Beneath the fill soils, the bore holes disclosed a gray silt and in some of the bore holes varying amounts of fine sand, extending to 16 feet below grade. At some locations, the native soil graded to fine to medium sand and silt (no gravel).

4.1.2 Groundwater

The degree of moisture within the recovered soil samples was consistent between locations. The soil samples became wet at approximately 8 to 10 feet below grade. This investigation did not include installation of monitoring wells to determine the groundwater flow direction. However, based on review of the 1980 USGS Topographic Map of Schenectady, groundwater flow is inferred to be north towards the Mohawk River. The Mohawk River is located approximately one mile north of the subject site.

4.2 Field Screening Results

All recovered soil samples from GP-1 through GP-6 were screened for the presence of VOCs with a MiniRAE 2000 PID meter for evidence, if any, of a petroleum release. The PID meter screening results are presented in the Organic Vapor Headspace Analysis Logs enclosed in Appendix C. At bore hole locations GP-1, GP-4 and GP-5, the PID readings were generally less than one to two parts per million above background and there was no evidence of petroleum related staining or odors. One exception was the 8 to 10 foot interval at GP-4, which exhibited a slight odor, but the PID reading was only 2.4 ppm above background. Low or elevated PID readings were observed in select soil samples collected from bore holes GP-2, GP-3 and GP-6, as discussed below.

At GP-2, relatively low PID readings were obtained from the intervals between 8 to 10 feet and 12 to 14 feet below grade ranging from 3.1 ppm (12 to 14 feet) to 25.2 ppm (8 to 10 feet). The remaining soil samples at this location did not exhibit elevated PID readings (i.e., less than one ppm above background). There was petroleum related staining and/or odors noted within the 8 to 10 foot and 12 to 14 foot soil sample intervals at this location.

At GP-3, relatively low PID readings were obtained from the intervals between 8 to 10 feet and 12 to 14 feet below grade ranging from 24.6 ppm (10 to 12 feet) to 53.5 ppm (8 to 10 feet). The remaining soil samples at this location did not exhibit elevated PID readings (i.e., less than one ppm above background). There was petroleum related staining and/or odors noted within the 8 to 10 foot and 12 to 14 foot soil sample intervals at this location.

At GP-6, relatively low to elevated PID readings were obtained from the intervals between 4 to 16 feet ranging from 10.1 ppm (4 to 6 feet) to 720 ppm (8 to 10 feet) and back down to 2.5 ppm (14 to 16 feet). The remaining soil samples at this location did not exhibit elevated PID readings (i.e., less than one ppm above background). There were petroleum odors noted within the 6 to 8 foot (mild odor) and 8 to 10 foot (strong odor) soil sample intervals at this location, and petroleum related sheen was observed on the soil surface at approximately 9.5 feet below grade.

Based on the elevated PID reading at GP-6 and visual observations indicating evidence of a release, the New York State Department of Environmental Conservation (NYSDEC) Spill Hotline was contacted on April 14, 2004 and Spill Number 04-00440 was assigned to the incident.

4.3 Soil Sampling Laboratory Analyses Results

Based on the field screening PID meter results, some of the recovered soil samples did exhibit low to elevated PID readings which indicates total VOCs were detected. To confirm the PID results and determine the type and levels of contaminants present where PID readings were detected, soil samples were taken for laboratory analyses as described in Section 3.2.

The soil samples were analyzed for aromatic and chlorinated VOCs by EPA Method 8021 based on the findings of the UST investigations and the tanks reportedly having stored gasoline. The soil samples were analyzed on a total basis to determine the concentrations of contaminants, if any, which exceed their recommended soil cleanup objective values presented in the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046, Determination of Soil Cleanup Objectives and Cleanup Levels. The soil samples were analyzed by Phoenix Environmental Laboratories, Inc. (Phoenix) of Manchester, Connecticut. Phoenix is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory (ELAP #11301).

Four soil samples from select bore holes were subjected to laboratory analysis as discussed in Section 3.2. The analytical results for these soil samples did not detect any volatile organic compounds with the exception of five compounds at two locations. Naphthalene, and n-butylbenzene were detected at bore hole GP-4 (8-10 feet) at concentrations of 650 ug/kg and 400 ug/kg, respectively. The concentrations of these compounds are below their NYSDEC TAGM recommended soil cleanup objective values of 13,000 ug/kg and 10,000 ug/kg, respectively. N-butylbenzene, n-propylbenzene, p-isopropyltoluene, and sec-butylbenzene, were detected at bore hole GP-6 (8-10 feet) at concentrations of 5,800 ug/kg, 2,700 ug/kg, 1,500 ug/kg and 1,800 ug/kg, respectively. The concentrations of these compounds are below their NYSDEC TAGM recommended soil cleanup objective values of 10,000 ug/kg, 3,700

ug/kg, 10,000 ug/kg and 10,000 ug/kg, respectively. A copy of the laboratory analysis report and chain of custody record are enclosed in Appendix D.

4.4 Groundwater Sampling Laboratory Analyses Results

Groundwater samples were collected from bore holes GP-1, GP-2, GP-3, GP-4 and GP-6 to determine the general groundwater quality in the area of the USTs and to determine if the groundwater quality has been impacted by the PID screening contamination detected in some of the soil samples. The samples were analyzed in the laboratory by Phoenix Environmental Laboratories, Inc. of Manchester, Connecticut. The groundwater samples were analyzed for aromatic and chlorinated VOCs by EPA Method 8021.

The analytical results did not detect any volatile organic compounds within the groundwater samples collected from bore holes GP-1, GP-2, GP-3, GP-4 and GP-6. A copy of the laboratory analysis report and chain of custody record are enclosed in Appendix D.

5.0 SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

C.T. Male has completed the Petroleum Storage Tanks and Geoprobe Subsurface Investigations conducted at 714 Broadway Street the City of Schenectady in relation to one above ground storage tank and four underground storage tanks (USTs) at the site. The purpose of the tanks and subsurface investigations was to determine the number of tanks present, potential size and contents, to conduct a tank assessment to determine if a release of petroleum had occurred, and/or to determine the quality of soil and groundwater in the area of four abandoned USTs.

Based on the work completed, there are one 275 gallon above ground heating oil tank (Tank 003) inside the building and four USTs (Tanks 001, 002, 004 and 005) in the paved area south of the building on-site as shown on Figure 3. Three of the USTs contain petroleum contaminated water and the other UST and above ground heating oil tank appear to be essentially empty. Evidence of petroleum contamination was detected in the soil based on PID screening results and visual observations (staining and odor), and based on the laboratory analyses results. However, the levels of volatile organic compounds (VOCs) detected in two (GP-4 and GP-6) of the four soil samples analyzed in the laboratory were below the NYSDEC TAGM 4046, Determination of Soil Cleanup Objectives and Cleanup Levels criteria. The findings during the subsurface investigation were reported to the NYSDEC Spill Hotline and Spill Number 4-00440 was assigned to the incident.

The horizontal extent of the petroleum contamination detected at GP-6, southwest of the tank cluster was not able to be determined during the one day of Geoprobe subsurface investigation, as there was not sufficient time to conduct additional bore holes. The highest PID readings and strongest petroleum odor were detected at this location within the 8 to 10 foot sample interval (concentrated at 9.5 to 10 feet). Low PID readings and petroleum odor were obtained within the 8 to 10 foot sample interval (at the water table) at bore holes to the north (GP-2), northeast (GP-4) and east (GP-3). The findings suggest either the contamination is originating from the tanks and the groundwater is flowing to the southwest towards GP-6, or there is a source upgradient of GP-6 and the groundwater is flowing to the northeast. It is not known where the fuel island associated with the former gasoline station was located

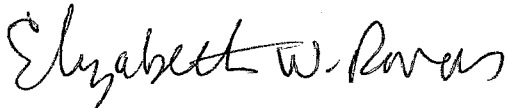
on-site. According to the previous property owner, the fuel island was not present when he purchased the property in approximately 1978.

No evidence of petroleum contamination was detected in the five groundwater samples collected and analyzed for VOCs.

It is recommended that the USTs be properly closed in accordance with 6 NYCRR Part 613.9(b) and 40 CFR Part 280.72 and the above ground tank be properly closed in accordance with 6 NYCRR Part 613.9(b).

The information presented in this report is limited to the investigation conducted as described herein, and is not necessarily all inclusive of conditions present at the subject site. If you have any questions regarding this report, please contact this office at (518) 786-7400.

Respectfully submitted,
C.T. MALE ASSOCIATES, P.C.

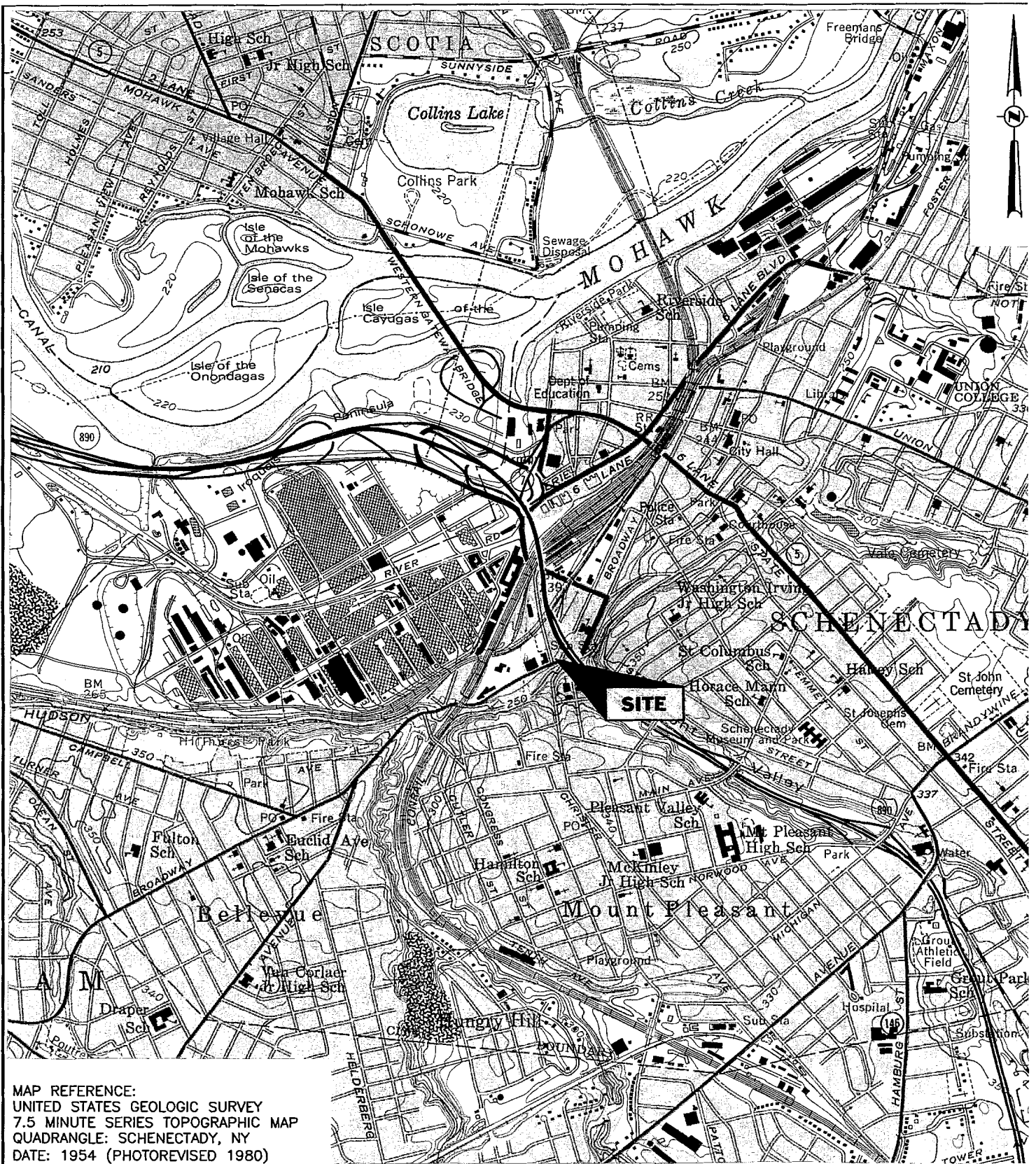


Elizabeth W. Rovers, P.E.
Managing Engineer

/ewr
CTMA Project No. 04.9133
June 4, 2004

FIGURES

FIGURE 1
SITE LOCATION MAP



Date	RECORD OF WORK	Appr.	FIGURE 1 SITE LOCATION MAP 714 BROADWAY SITE	
			CITY OF SCHENECTADY	SCHENECTADY COUNTY, I
C.T. MALE ASSOCIATES, P.C. 50 CENTURY HILL DRIVE, P.O. BOX 727, LATHAM, NY 12110 518.786.7400 * FAX 518.786.7299				
Drafter: JAM		Checker:	Architecture & Building Systems Engineering * Civil Engineering Environmental Services * Survey & Land Information Services	
Appr. by:		Proj. No. 04.9133	SCALE: ±1"=2,000' DATE: MARCH 2004	

FIGURE 2

TAX MAP

WARD 5
WARD 6

DELAWARE AND HUDSON RAILWAY

(50, WILDE).

STREET

SITE LOCATION



BROADWAY

STREET

CRANE

FIGURE 2
CITY OF SCHENECTADY TAX MAP
714 BROADWAY SITE

SCHENECTADY COUNTY, NY

50 CENTURY HILL DRIVE, P.O. BOX 727, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299

Architecture & Building Systems Engineering * Civil Engineering
Environmental Services * Survey & Land Information Services

Checker:

Proj. No. 04.9133

DATE: MARCH 2004

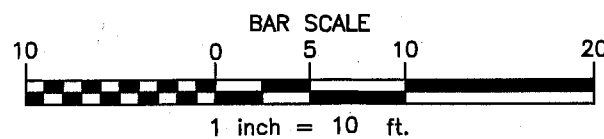
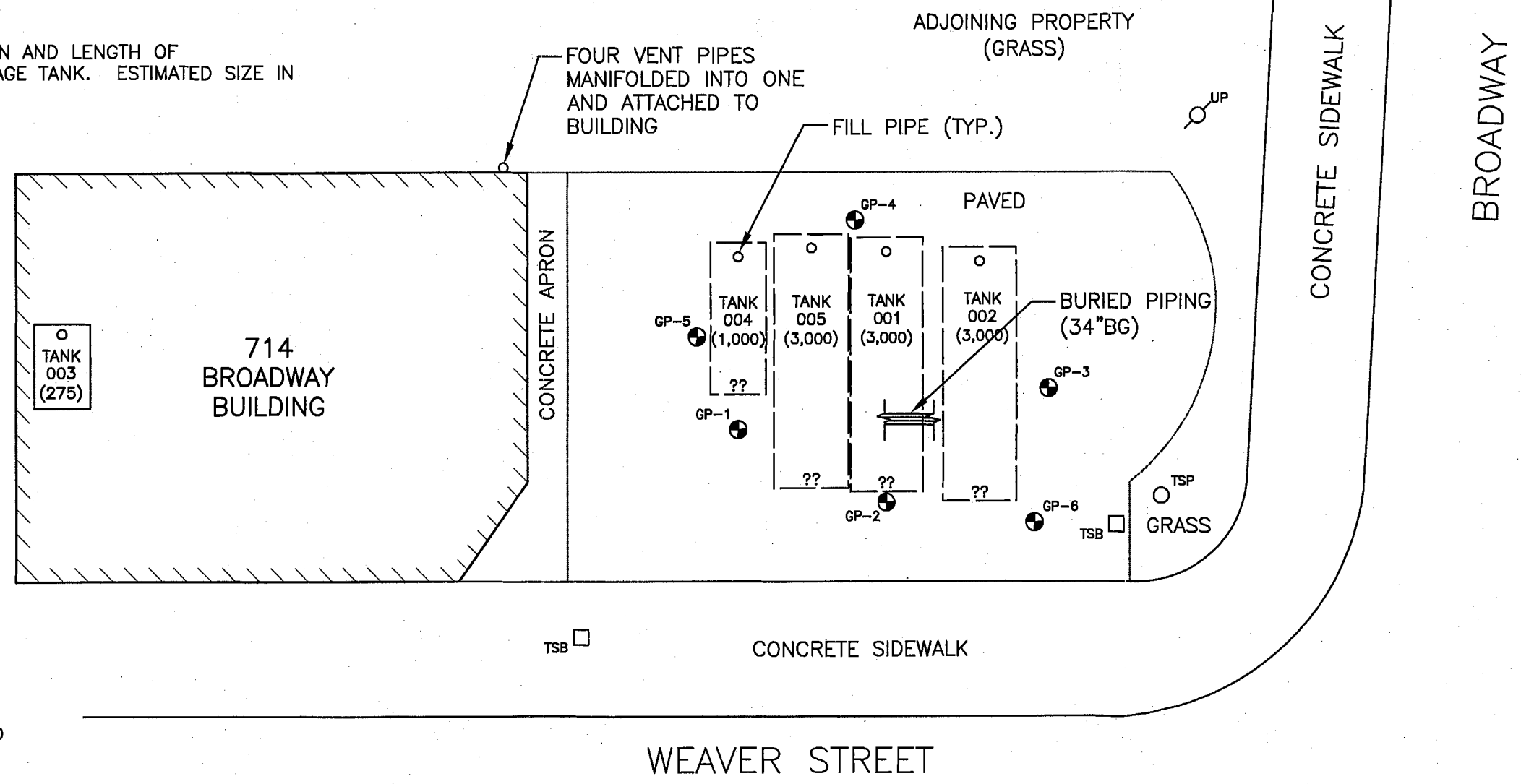
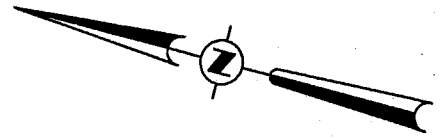
FIGURE 3
SAMPLING LOCATIONS MAP

LEGEND

- UP
- APPROXIMATE LOCATION OF UTILITY POLE.
- TSB
- APPROXIMATE LOCATION OF TRAFFIC SIGNAL BOX.
- TSP
- APPROXIMATE LOCATION OF TRAFFIC SIGNAL POLE.
- GP-4
- APPROXIMATE LOCATION AND ID OF GEOPROBE BORE HOLE.
- 

TANK
004
(1,000)

??
- INFERRED ORIENTATION AND LENGTH OF
UNDERGROUND STORAGE TANK. ESTIMATED SIZE IN
GALLONS IS SHOWN.



NOTE:
THE LOCATIONS AND FEATURES DEPICTED
ON THIS MAP ARE APPROXIMATE AND DO
NOT REPRESENT AN ACTUAL FIELD
SURVEY.

DATE	REVISIONS RECORD/DESCRIPTION	DRAFTED	CHECK	APPR.
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			

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DESIGNED :

DRAFTED : JAM

CHECKED : EWR

PROJ. NO: 04.9133

SCALE : 1"=10'±

DATE : APRIL 2004

**FIGURE 3
SAMPLING LOCATIONS MAP**

**UST INVESTIGATION
714 BROADWAY SITE**

CITY OF SCHENECTADY

SCHENECTADY COUNTY, NY

C.T. MALE ASSOCIATES, P.C.
50 CENTURY HILL DRIVE, P.O. BOX 727, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299
ARCHITECTURE & BUILDING SYSTEMS ENGINEERING * CIVIL ENGINEERING
ENVIRONMENTAL SERVICES * SURVEY & LAND INFORMATION SERVICES



SHEET 1 OF 1

DWG. NO: 04-0264

CAD DWG. FILE NAME: CAMP LOC.DWG

APPENDIX A

**TANK INVESTIGATION LABORATORY ANALYSES
REPORT AND CHAIN OF CUSTODY RECORD**



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 06, 2004

FOR: Attn: Ms. Liz Rovers
CT Male Associates, PC
50 Century Hill Drive
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: CT-MALE
Rush Request:
P.O.#: 049133

Custody Information

Collected by: SB
Received by: KJB
Analyzed by: see "By" below

Date

03/30/04
03/31/04

Time

14:00
10:40

Laboratory Data

SDG I.D.: GAF46457
Phoenix I.D.: AF46457

Client ID: 714 BROADWAY UST INVEST TANK-5

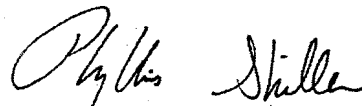
Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatile Organic Compounds</u>							
1,1,1,2-Tetrachloroethane	ND	10	ug/L	04/02/04		RM	8021/8260
1,1,1-Trichloroethane	ND	10	ug/L	04/02/04		RM	8021/8260
1,1,2,2-Tetrachloroethane	ND	10	ug/L	04/02/04		RM	8021/8260
1,1,2-Trichloroethane	ND	10	ug/L	04/02/04		RM	8021/8260
1,1-Dichloroethane	ND	10	ug/L	04/02/04		RM	8021/8260
1,1-Dichloroethene	ND	10	ug/L	04/02/04		RM	8021/8260
1,1-Dichloropropene	ND	10	ug/L	04/02/04		RM	8021/8260
1,2,3-Trichlorobenzene	ND	10	ug/L	04/02/04		RM	8021/8260
1,2,3-Trichloropropane	35	10	ug/L	04/02/04		RM	8021/8260
1,2,4-Trichlorobenzene	ND	10	ug/L	04/02/04		RM	8021/8260
1,2,4-Trimethylbenzene	1300	10	ug/L	04/02/04		RM	8021/8260
1,2-Dibromo-3-chloropropane	ND	10	ug/L	04/02/04		RM	8021/8260
1,2-Dichlorobenzene	ND	10	ug/L	04/02/04		RM	8021/8260
1,2-Dichloroethane	ND	10	ug/L	04/02/04		RM	8021/8260
1,2-Dichloropropane	ND	10	ug/L	04/02/04		RM	8021/8260
1,3,5-Trimethylbenzene	310	10	ug/L	04/02/04		RM	8021/8260
1,3-Dichlorobenzene	ND	10	ug/L	04/02/04		RM	8021/8260
1,3-Dichloropropane	ND	10	ug/L	04/02/04		RM	8021/8260
1,4-Dichlorobenzene	ND	10	ug/L	04/02/04		RM	8021/8260
2,2-Dichloropropane	ND	10	ug/L	04/02/04		RM	8021/8260
2-Chlorotoluene	ND	10	ug/L	04/02/04		RM	8021/8260
4-Chlorotoluene	ND	10	ug/L	04/02/04		RM	8021/8260
Benzene	ND	10	ug/L	04/02/04		RM	8021/8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromobenzene	ND	10	ug/L	04/02/04		RM	8021/8260
Bromochloromethane	ND	10	ug/L	04/02/04		RM	8021/8260
Bromodichloromethane	ND	10	ug/L	04/02/04		RM	8021/8260
Bromoform	ND	10	ug/L	04/02/04		RM	8021/8260
Bromomethane	ND	10	ug/L	04/02/04		RM	8021/8260
Carbon tetrachloride	ND	10	ug/L	04/02/04		RM	8021/8260
Chlorobenzene	ND	10	ug/L	04/02/04		RM	8021/8260
Chloroethane	ND	10	ug/L	04/02/04		RM	8021/8260
Chloroform	ND	10	ug/L	04/02/04		RM	8021/8260
Chloromethane	ND	10	ug/L	04/02/04		RM	8021/8260
cis-1,2-Dichloroethene	ND	10	ug/L	04/02/04		RM	8021/8260
Dibromochloromethane	ND	10	ug/L	04/02/04		RM	8021/8260
Dibromoethane	ND	10	ug/L	04/02/04		RM	8021/8260
Dibromomethane	ND	10	ug/L	04/02/04		RM	8021/8260
Dichlorodifluoromethane	ND	10	ug/L	04/02/04		RM	8021/8260
Ethylbenzene	ND	10	ug/L	04/02/04		RM	8021/8260
Hexachlorobutadiene	ND	10	ug/L	04/02/04		RM	8021/8260
Isopropylbenzene	ND	10	ug/L	04/02/04		RM	8021/8260
m&p-Xylene	300	10	ug/L	04/02/04		RM	8021/8260
Methyl t-butyl ether (MTBE)	ND	20	ug/L	04/02/04		RM	8021/8260
Methylene chloride	ND	10	ug/L	04/02/04		RM	8021/8260
n-Butylbenzene	ND	10	ug/L	04/02/04		RM	8021/8260
n-Propylbenzene	ND	10	ug/L	04/02/04		RM	8021/8260
Naphthalene	11	10	ug/L	04/02/04		RM	8021/8260
o-Xylene	94	10	ug/L	04/02/04		RM	8021/8260
p-Isopropyltoluene	18	10	ug/L	04/02/04		RM	8021/8260
sec-Butylbenzene	ND	10	ug/L	04/02/04		RM	8021/8260
Styrene	ND	10	ug/L	04/02/04		RM	8021/8260
tert-Butylbenzene	ND	10	ug/L	04/02/04		RM	8021/8260
Tetrachloroethene	ND	10	ug/L	04/02/04		RM	8021/8260
Toluene	ND	10	ug/L	04/02/04		RM	8021/8260
trans-1,2-Dichloroethene	ND	10	ug/L	04/02/04		RM	8021/8260
Trichloroethene	ND	10	ug/L	04/02/04		RM	8021/8260
Trichlorofluoromethane	ND	10	ug/L	04/02/04		RM	8021/8260
Vinyl chloride	ND	10	ug/L	04/02/04		RM	8021/8260
QA/QC Surrogates							
% Bromofluorobenzene	90		%	04/02/04		RM	8021/8260

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller, Laboratory Director

April 06, 2004



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

April 06, 2004

QA/QC Data

SDG I.D.: GAF46457

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch Sample No: AF46784 (AF46457)					
Volatiles Organics					
1,1,1,2-Tetrachloroethane	ND	95			
1,1,1-Trichloroethane	ND	99			
1,1,2,2-Tetrachloroethane	ND	121			
1,1,2-Trichloroethane	ND	121			
1,1-Dichloroethane	ND	92			
1,1-Dichloroethene	ND	87	102	103	1.0
1,1-Dichloropropene	ND	86			
1,2,3-Trichlorobenzene	ND	71			
1,2,3-Trichloropropane	ND	117			
1,2,3-Trimethylbenzene	ND				
1,2,4-Trichlorobenzene	ND	81			
1,2,4-Trimethylbenzene	ND	92			
1,2-Dibromo-3-chloropropane	ND	116			
1,2-Dichlorobenzene	ND	100			
1,2-Dichloroethane	ND	100			
1,2-Dichloropropane	ND	101			
1,3,5-Trimethylbenzene	ND	94			
1,3-Dichlorobenzene	ND	99			
1,3-Dichloropropane	ND	100			
1,4-Dichlorobenzene	ND	98			
2,2-Dichloropropane	ND	95			
2-Chlorotoluene	ND	98			
4-Chlorotoluene	ND	97			
Benzene	ND	105	110	108	1.8
Bromobenzene	ND	104			
Bromochloromethane	ND	111			
Bromodichloromethane	ND	102			
Bromoform	ND	113			
Bromomethane	ND	141			
Carbon Tetrachloride	ND	105			
Chlorobenzene	ND	99	97	98	1.0
Chloroethane	ND	106			

QA/QC Data

SDG I.D.: GAF46457

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Chloroform	ND	106			
Chloromethane	ND				
cis-1,2-Dichloroethene	ND	103			
cis-1,3-Dichloropropene	ND	101			
Dibromochloromethane	ND	100			
Dibromoethane	ND	115			
Dibromomethane	ND	113			
Dichlorodifluoromethane	ND	72			
Ethylbenzene	ND	92			
Hexachlorobutadiene	ND	94			
Isopropylbenzene	ND	98			
m&p-Xylene	ND	95			
Methyl t Butyl Ether (MTBE)	ND				
Methylene Chloride	ND	107			
n-Butylbenzene	ND	91			
n-Propylbenzene	ND	90			
Naphthalene	ND	62			
o-Xylene	ND	93			
p-Isopropyltoluene	ND	96			
sec-Butylbenzene	ND	93			
Styrene	ND	95			
tert-Butylbenzene	ND	96			
Tetrachloroethene	ND	85			
Toluene	ND	106	110	107	2.8
Total Trihalomethanes (TTHM)	ND				
trans-1,2-Dichloroethene	ND	90			
trans-1,3-Dichloropropene	ND	104			
Trichloroethene	ND	89	92	90	2.2
Trichlorofluoromethane	ND	89			
Vinyl Chloride	ND				
% Bromofluorobenzene	81	91	76	80	5.1

Comment: LFB was analyzed with this batch instead of MS/MSD

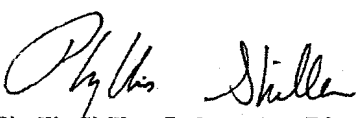
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

RPD - Relative Percent Difference

LCS - Laboratory Control Sample


Phyllis Shiller, Laboratory Director
April 06, 2004

Environmental Laboratories, Inc.

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CHAIN OF CUSTODY RECORD

Client Services (860) 645-8726

DATE RCVD:

Customer: CT H&E Associates, PC

Project: 714 Broadway VST Investigations

Address: 50 Century Mill Drive

Report To: Liz Zovers

Latkan, 24 12210

Invoice To: Liz Towers

Project P.O.: 04.9133

Phone #: (518) 786-7492

Fax #: (518) 786-7299

[illegible]

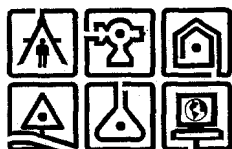
C.T. MALE ASSOCIATES, P.C.

APPENDIX B

GEOPROBE SUBSURFACE EXPLORATION LOGS

C.T. MALE ASSOCIATES, P.C.

GEOPROBE SUBSURFACE EXPLORATION LOG



BORING NO.: GP-1

ELEV.:

DATUM:

START DATE: 4/14/04

FINISH DATE: 4/14/04

SHEET 1 OF 1

PROJECT: City of Schenectady, UST Investigations

CTM PROJECT NO.: 04.9133

LOCATION: 714 Broadway, Schenectady, NY

CTM OBSERVER: Steve Bieber

DEPTH (FT.)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
4		1	3.1	0-1" Asphalt	Lab soil sample collected from 8' to 10'
				1" to 2" Gray fine Gravel, sub base	
				Fill: 2" to 4' Light Brown fine SAND and SILT, little gravel, trace red brick	
8		2	3.7	Fill: Light Brown fine SAND and SILT, little gravel, trace red brick (Moist at 3.5')	
12		3	4.0	Light Brown fine SAND and SILT, little gravel (Wet)	
				Gray Silt, trace fine sand (Moist)	
16		4	4.0	Light Brown fine SAND and SILT (Wet)	
				Gray Silt, trace fine sand (Moist)	
				Gray fine to medium SAND, Some Silt (little Moist)	
20				Boring Terminated at 16'	
24				Exposed Screen Point 15 Sampler from 8' to 11'	
				Purged 0.50 gallons	
				Water little opaque in color	
28				Lab groundwater sample collected at 9:40 AM	

DRILLING CONTRACTOR: SJB Services, Inc.

GEOPROBE TYPE: Model 540 U Truck Mounted

METHOD OF SAMPLING: Direct Push w/ Percussion Hammer, 4"X2" Macro Core Sampler with

Acetate Liner, Screen Point 15 Groundwater Sampler

GROUNDWATER LEVEL READINGS

DATE | LEVEL | REFERENCE MEASURING POINT

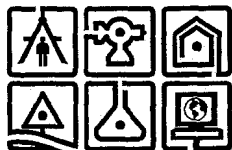
THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY:

SB

C.T. MALE ASSOCIATES, P.C.

GEOPROBE SUBSURFACE EXPLORATION LOG



BORING NO.: GP-2

ELEV.:

DATUM:

START DATE: 4/14/04

FINISH DATE: 4/14/04

SHEET 1 OF 1

PROJECT: City of Schenectady, UST Investigations

CTM PROJECT NO.: 04.9133

LOCATION: 714 Broadway, Schenectady, NY

CTM OBSERVER: Steve Bieber

DEPTH (FT.)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
4		1	3.2	0-1" Asphalt 1" to 1' GRAVEL sub base, trace red brick (Dry) Brown fine SAND and SILT (Dry)	Original location of GP-2 abandoned due to refusal at 1.2' below grade. Concrete in tip. Moved location 1' East towards Tank 001.
8		2	3	Brown fine SAND and SILT and GRAVEL (Dry) Brown fine SAND and SILT (Moist)	Becomes moist at 6'
12		3	3.5	Brown fine SAND and SILT (Wet) Gray SILT and SAND (Moist)	Lab soil sample collected from 8' to 10' Discolored black sand with strong petroleum odor at 9.5' to 10'
16		4	2.0	Brown fine SAND and SILT changing to Gray SILT and SAND (Moist to Wet)	Discolored black at 8' to 10' Slight petroleum odor at 12' to 14' (possible from overburden)
20				Boring Terminated at 16'	
24				Exposed Screen Point 15 Sampler from 12' to 15' Purged 0.25 gallon Water grayish in color Lab groundwater sample collected at 11:15 AM	
28					

DRILLING CONTRACTOR: SJB Services, Inc.

GEOPROBE TYPE: Model 540 U Truck Mounted

METHOD OF SAMPLING: Direct Push w/ Percussion Hammer, 4'X2" Macro Core Sampler with Acetate Liner, Screen Point 15 Groundwater Sampler

GROUNDWATER LEVEL READINGS

DATE LEVEL REFERENCE MEASURING POINT

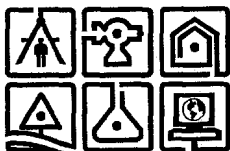
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SAMPLE CLASSIFICATION BY:

SB

C.T. MALE ASSOCIATES, P.C.

GEOPROBE SUBSURFACE EXPLORATION LOG



BORING NO.: GP-3

ELEV.:

DATUM:

START DATE: 4/14/04

FINISH DATE: 4/14/04

SHEET 1 OF 1

PROJECT: City of Schenectady, UST Investigations

CTM PROJECT NO.: 04.9133

LOCATION: 714 Broadway, Schenectady, NY

CTM OBSERVER: Steve Bieber

DEPTH (FT.)	SAMPLE			SAMPLE CLASSIFICATION	NOTES		
	INTERVAL	NUMBER	RECOVERY (FT)				
4		1	3.0	0-1" Asphalt	Lab soil sample collected from 8' to 10' Discolored black w/petrol. odor at 9.5' Wet at 9.5' Petroleum odor at 12' to 14'		
				1" to 3" GRAVEL subbase (Dry) 0.25'			
				Fill: Brown fine SAND and SILT (Dry) 3'			
				Fill: Brown fine SAND and GRAVEL (Dry)			
8		2	3	Crushed Red Brick Layer at 7' to 7.2' 7.2'			
				Brown fine SAND and SILT (Dry)			
12		3	4.0	Brown fine SAND and SILT 10'			
				Gray SILT (Moist)			
16		4	4.0	Gray SILT (Wet)			
				Gray SILT (Moist)			
				Boring Terminated at 16'			
20				Exposed Screen Point 15 Sampler from 12' to 15' Purged 0.50 gallon Water opaque in color Lab groundwater sample collected at 1:10 PM			
24							
28							

DRILLING CONTRACTOR: SJB Services, Inc.

GEOPROBE TYPE: Model 540 U Truck Mounted

METHOD OF SAMPLING: Direct Push w/ Percussion Hammer, 4'X2" Macro Core Sampler with

Acetate Liner, Screen Point 15 Groundwater Sampler

GROUNDWATER LEVEL READINGS

DATE LEVEL REFERENCE MEASURING POINT

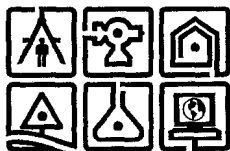
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SAMPLE CLASSIFICATION BY:

SB

C.T. MALE ASSOCIATES, P.C.

GEOPROBE SUBSURFACE EXPLORATION LOG



BORING NO.: GP-4

ELEV.:

DATUM:

START DATE: 4/14/04

FINISH DATE: 4/14/04

SHEET 1 OF 1

PROJECT: City of Schenectady, UST Investigations

CTM PROJECT NO.: 04.9133

LOCATION: 714 Broadway, Schenectady, NY

CTM OBSERVER: Steve Bieber

DEPTH (FT.)	SAMPLE			SAMPLE CLASSIFICATION	NOTES	
	INTERVAL	NUMBER	RECOVERY (FT)			
4		1	3.0	0 - 1" Asphalt	Original loaction of GP-4 abandoned due to refusal at 5.1' below grade . Moved GP-4 location 1.5' West towards Tanks 001 and 005 Discolored at 7.5' Lab soil sample collected from 8' to 10' Discolored soil and Slight petroleum odor at 9.5' to 10' Slight petroleum odor	
				1' to 3" GRAVEL subbase		0.25'
				Brown fine SAND and SILT , Some Gravel (Dry)		
8		2	3	Brown fine SAND and SILT, Some Gravel (Dry)		
				(Moist)		8'
12		3	3.1	Brown fine SAND and SILT (Wet)		9.2'
				Gray SILT (Moist)		
16		4	4.0	Gray SILT (Saturated)		
				Gray SILT and fine SAND (Dry to Moist)	13.5'	
20				Boring Terminated at 16'		
24				Exposed Screen Point 15 Sampler from 12' to 15' Purged 0.25 gallon Water brown to gray in color Lab groundwater sample collected at 2:45 PM		
28						

DRILLING CONTRACTOR: SJB Services, Inc.

GEOPROBE TYPE: Model 540 U Truck Mounted

METHOD OF SAMPLING: Direct Push w/ Percussion Hammer, 4'X2" Macro Core Sampler with
Acetate Liner, Screen Point 15 Groundwater Sampler

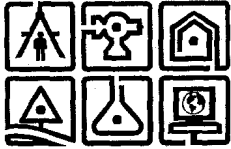
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GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY:
SB

C.T. MALE ASSOCIATES, P.C.



GEOPROBE SUBSURFACE EXPLORATION LOG

BORING NO.: GP-5

ELEV.:

DATUM:

START DATE: 4/14/04

FINISH DATE: 4/14/04

SHEET 1 OF 1

PROJECT: City of Schenectady, UST Investigations

CTM PROJECT NO.: 04.9133

LOCATION: 714 Broadway, Schenectady, NY

CTM OBSERVER: Steve Bieber

DEPTH (FT.)	SAMPLE			SAMPLE CLASSIFICATION	NOTES	
	INTERVAL	NUMBER	RECOVERY (FT)			
4		1	3.0	0-1" Asphalt	Moist at 7.5' Lab soil sample collected from 8' to 10' Wet at 9.5'	
				1' to 3" GRAVEL subbase		0.25'
				Fill: Brown fine SAND and SILT, little gravel, trace red brick (Dry)		4'
8	2	2	Brown fine SAND and SILT, Some Gravel			
			(Moist)			
12	3	4.0	Brown fine SAND and SILT, Some Gravel (Wet)	10'		
			Gray SILT (Moist)			
16	4	4.0	Gray SILT (Wet)	13.5'		
			Gray SILT and SAND (Moist)			
			Boring Terminated at 16'			
20						
24						
28						

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: Model 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push w/ Percussion Hammer, 4'X2" Macro Core Sampler with
Acetate Liner, Screen Point 15 Groundwater Sampler

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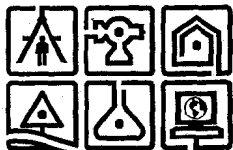
GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY:
SB

C.T. MALE ASSOCIATES, P.C.

GEOPROBE SUBSURFACE EXPLORATION LOG



BORING NO.: GP-6

ELEV.:

DATUM:

START DATE: 4/14/04

FINISH DATE: 4/14/04

SHEET 1 OF 1

PROJECT: City of Schenectady, UST Investigations

CTM PROJECT NO.: 04.9133

LOCATION: 714 Broadway, Schenectady, NY

CTM OBSERVER: Steve Bieber

DEPTH (FT.)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
4		1	3.0	0 - 1" Asphalt	Large stone penetrated sampler Dry to moist at 7.5' Lab soil sample collected from 8' to 10' Strong petroleum odor and visible sheen on soil surface at 9.5' Becomes wet at 9.5'
				1' to 3" GRAVEL subbase 0.25'	
				Brown fine SAND and SILT (Dry) 4'	
8		2	2	Brown fine SAND and SILT and GRAVEL (Dry to Moist)	
				Brown fine SAND and SILT and GRAVEL	
12		3	3.8		
				Gray SILT (Moist) 10'	
16		4	3.0	Gray SILT	
				Gray SILT, little fine sand (Moist) 13.7'	
20				Boring Terminated at 16'	
24				Exposed Screen Point 15 Sampler from 12' to 15'	
				Purged 0.50 gallon	
28				Water opaque in color	
				Lab groundwater sample collected at 4:30 PM	

DRILLING CONTRACTOR: SJB Services, Inc.

GEOPROBE TYPE: Model 540 U Truck Mounted

METHOD OF SAMPLING: Direct Push w/ Percussion Hammer, 4'X2" Macro Core Sampler with

Acetate Liner, Screen Point 15 Groundwater Sampler

GROUNDWATER LEVEL READINGS

DATE LEVEL REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY:

SB

APPENDIX C

ORGANIC VAPOR HEADSPACE ANALYSIS LOGS



ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: City of Schenectady, UST Investigations				PROJECT #: 04.9133		PAGE 1 OF 3
CLIENT: City of Schenectady						DATE
LOCATION: 714 Broadway						COLLECTED: 4/14/04
INSTRUMENT USED: MiniRAE 2000				LAMP	10.6 EV	DATE
DATE INSTRUMENT CALIBRATED 4/14/04 (Prior to use)				BY: SB		ANAYLZED: 4/14/04
TEMPERATURE OF SOIL: Ambient						ANALYST: Steve Beiber
EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
GP-1	1	0-2	Soil	0.2	0.0 - 0.1	No odor/No staining
	2	2-4	Soil	0.1	0.0 - 0.1	No odor/No staining
	3	4-6	Soil	0.2	0.0 - 0.1	No odor/No staining
	4	6-8	Soil	0.1	0.0 - 0.1	No odor/No staining
	5	8-10	Soil	0.2	0.0 - 0.1	No odor/No staining
	6	10-12	Soil	0.1	0.0 - 0.1	No odor/No staining
	7	12-14	Soil	0.1	0.0 - 0.1	No odor/No staining
	8	14-16	Soil	0.2	0.0 - 0.1	No odor/No staining
GP-2	1	0-2	Soil	0.1	0.0 - 0.1	No odor/No staining
	2	2-4	Soil	0.3	0.0 - 0.1	No odor/No staining
	3	4-6	Soil	1.0	0.0 - 0.1	No odor/No staining
	4	6-8	Soil	0.1	0.0 - 0.1	No odor/No staining
	5	8-10	Soil	25.3	0.0 - 0.1	Strong petroleum odor/soil stained at 9.5' to 10'
	6	10-12	Soil	0.5	0.0 - 0.1	No odor/No staining
	7	12-14	Soil	3.2	0.0 - 0.1	Slight petroleum odor
	8	14-16	Soil	0.1	0.0 - 0.1	No odor/No staining
GP-3	1	0-2	Soil	0.2	0.0 - 0.1	No odor/No staining

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.

**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .



ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: City of Schenectady, UST Investigations				PROJECT #:	04.9133	PAGE 2 OF 3
CLIENT: City of Schenectady						DATE
LOCATION: 714 Broadway						COLLECTED: 4/14/04
INSTRUMENT USED: MiniRAE 2000		LAMP		10.6 EV		DATE
DATE INSTRUMENT CALIBRATED 4/14/04 (Prior to use)				BY: SB		ANALYZED: 4/14/04
TEMPERATURE OF SOIL: Ambient						ANALYST: Steve Beiber
EXPLORATION	SAMPLE	DEPTH	SAMPLE	SAMPLE	BACKGROUND	
NUMBER	NUMBER	(FT.)	TYPE	READING	READING	REMARKS
				(PPM)**	(PPM)**	
GP-3	2	2-4	Soil	0.2	0.0 - 0.1	No odor/No staining
	3	4-6	Soil	0.2	0.0 - 0.1	No odor/No staining
	4	6-8	Soil	0.6	0.0 - 0.1	No odor/No staining
	5	8-10	Soil	53.6	0.0 - 0.1	Petroleum Odor/ Stained soil at 9.5' to 10'
	6	10-12	Soil	0.8	0.0 - 0.1	No odor/No staining
	7	12-14	Soil	24.7	0.0 - 0.1	Petroleum Odor
	8	14-16	Soil	0.4	0.0 - 0.1	No odor/No staining
GP-4	1	0-2	Soil	0.2	0.0 - 0.1	No odor/No staining
	2	2-4	Soil	0.1	0.0 - 0.1	No odor/No staining
	3	4-6	Soil	0.1	0.0 - 0.1	No odor/No staining
	4	6-8	Soil	0.0	0.0 - 0.1	No odor/No staining
	5	8-10	Soil	2.5	0.0 - 0.1	Slight odor/ Discolored soil at 9.5' to 10'
	6	10-12	Soil	0.6	0.0 - 0.1	No odor/No staining
	7	12-14	Soil	0.2	0.0 - 0.1	Slight petroleum odor
	8	14-16	Soil	0.1	0.0 - 0.1	No odor/No staining
GP-5	1	0-2	Soil	0.1	0.0 - 0.1	No odor/No staining
	2	2-4	Soil	0.1	0.0 - 0.1	No odor/No staining
	3	4-6	Soil	0.1	0.0 - 0.1	No odor/No staining
	4	6-8	Soil	0.2	0.0 - 0.1	No odor/No staining

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.

**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected.



ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: City of Schenectady, UST Investigations				PROJECT #: 04.9133		PAGE 3 OF 3
CLIENT: City of Schenectady				DATE		
LOCATION: 714 Broadway				COLLECTED: 4/14/04		
INSTRUMENT USED: MiniRAE 2000		LAMP		10.6 EV		DATE
DATE INSTRUMENT CALIBRATED		4/14/04 (Prior to use)		BY: SB		ANALYZED: 4/14/04
TEMPERATURE OF SOIL: Ambient				ANALYST: Steve Beiber		
EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
GP-5	5	8-10	Soil	0.2	0.0 - 0.1	No odor/No staining
	6	10-12	Soil	0.1	0.0 - 0.1	No odor/No staining
	7	12-14	Soil	0.2	0.0 - 0.1	No odor/No staining
	8	14-16	Soil	0.1	0.0 - 0.1	No odor/No staining
GP-6	1	0-2	Soil	0.1	0.0 - 0.1	No odor/No staining
	2	2-4	Soil	0.2	0.0 - 0.1	No odor/No staining
	3	4-6	Soil	10.2	0.0 - 0.1	No odor/No staining
	4	6-8	Soil	12.6	0.0 - 0.1	Mild odor/No staining
	5	8-10	Soil	720	0.0 - 0.1	Very strong odor/sheen on soil at 9.5'
	6	10-12	Soil	17.4	0.0 - 0.1	No odor/No staining
	7	12-14	Soil	22.5	0.0 - 0.1	No odor/No staining
	8	14-16	Soil	2.6	0.0 - 0.1	No odor/No staining

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.

**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected.

Note: Soil samples collected for lab analysis (i.e., Lab) were secured first, then remaining soil collected for field screening with PID meter.

APPENDIX D

**SUBSURFACE INVESTIGATION LABORATORY
ANALYSES REPORT AND CHAIN OF CUSTODY
RECORD**



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 23, 2004

FOR: Attn: Ms. Liz Rovers
CT Male Associates, PC
50 Century Hill Drive
Latham, NY 12110

Sample Information

Matrix: SOIL
Location Code: CT-MALE
Rush Request:
P.O.#: 049133

Custody Information

Collected by: SB
Received by: KJB
Analyzed by: see "By" below

Date

04/14/04
04/16/04

Time

10:26
9:15

Laboratory Data

SDG I.D.: GAF50176

Phoenix I.D.: AF50176

Client ID: 714 BROADWAY UST INVEST GP-2S

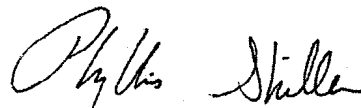
Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	85		%	04/17/04		C/D	E160.3
<u>Volatile Organic Compounds</u>							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,1,1-Trichloroethane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,1,2-Trichloroethane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,1-Dichloroethane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,1-Dichloroethene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,1-Dichloropropene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,2,3-Trichloropropane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,2-Dibromoethane(EDB)	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,2-Dichlorobenzene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,2-Dichloroethane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,2-Dichloropropane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,3-Dichlorobenzene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,3-Dichloropropane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
1,4-Dichlorobenzene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
2,2-Dichloropropane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
2-Chlorotoluene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Chlorotoluene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Benzene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Bromobenzene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Bromochloromethane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Bromodichloromethane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Bromoform	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Bromomethane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Carbon tetrachloride	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Chlorobenzene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Chloroethane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Chloroform	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Chloromethane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Dibromochloromethane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Dibromomethane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Dichlorodifluoromethane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Ethylbenzene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Hexachlorobutadiene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Isopropylbenzene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Methyl tert-butyl ether (MTBE)	ND	10	ug/Kg	04/19/04		RM	8021/8260
Methylene chloride	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
n-Butylbenzene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
n-Propylbenzene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Naphthalene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
o-Xylene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
p&m-Xylene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
p-Isopropyltoluene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
sec-Butylbenzene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Styrene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
tert-Butylbenzene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Tetrachloroethene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Toluene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Trichloroethene	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Trichlorofluoromethane	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
Vinyl chloride	ND	5.0	ug/Kg	04/19/04		RM	8021/8260
<u>QA/QC Surrogates</u>							
%4-Bromofluorobenzene (Surrogate)	93		%	04/19/04		RM	8021/8260

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller, Laboratory Director

April 23, 2004



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 23, 2004

FOR: Attn: Ms. Liz Rovers
CT Male Associates, PC
50 Century Hill Drive
Latham, NY 12110

Sample Information

Matrix: SOIL
Location Code: CT-MALE
Rush Request:
P.O.#: 049133

Custody Information

Collected by: SB
Received by: KJB
Analyzed by: see "By" below

Date Time

04/14/04 12:30
04/16/04 9:15

Laboratory Data

SDG I.D.: GAF50176
Phoenix I.D.: AF50177

Client ID: 714 BROADWAY UST INVEST GP-3S

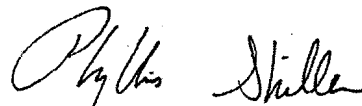
Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	83		%	04/17/04		C/D	E160.3
<u>Volatile Organic Compounds</u>							
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,1,1-Trichloroethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,1,2-Trichloroethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,1-Dichloroethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,1-Dichloroethene	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,1-Dichloropropene	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,2,3-Trichlorobenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,2,3-Trichloropropane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,2,4-Trichlorobenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,2,4-Trimethylbenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,2-Dibromo-3-chloropropane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,2-Dibromoethane(EDB)	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,2-Dichlorobenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,2-Dichloroethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,2-Dichloropropane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,3,5-Trimethylbenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,3-Dichlorobenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,3-Dichloropropane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,4-Dichlorobenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
2,2-Dichloropropane	ND	250	ug/Kg	04/19/04		RM	8021/8260
2-Chlorotoluene	ND	250	ug/Kg	04/19/04		RM	8021/8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Chlorotoluene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Benzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Bromobenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Bromochloromethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
Bromodichloromethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
Bromoform	ND	250	ug/Kg	04/19/04		RM	8021/8260
Bromomethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
Carbon tetrachloride	ND	250	ug/Kg	04/19/04		RM	8021/8260
Chlorobenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Chloroethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
Chloroform	ND	250	ug/Kg	04/19/04		RM	8021/8260
Chloromethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
cis-1,2-Dichloroethene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Dibromochloromethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
Dibromomethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
Dichlorodifluoromethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
Ethylbenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Hexachlorobutadiene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Isopropylbenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Methyl tert-butyl ether (MTBE)	ND	500	ug/Kg	04/19/04		RM	8021/8260
Methylene chloride	ND	250	ug/Kg	04/19/04		RM	8021/8260
n-Butylbenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
n-Propylbenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Naphthalene	ND	250	ug/Kg	04/19/04		RM	8021/8260
o-Xylene	ND	250	ug/Kg	04/19/04		RM	8021/8260
p&m-Xylene	ND	250	ug/Kg	04/19/04		RM	8021/8260
p-Isopropyltoluene	ND	250	ug/Kg	04/19/04		RM	8021/8260
sec-Butylbenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Styrene	ND	250	ug/Kg	04/19/04		RM	8021/8260
tert-Butylbenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Tetrachloroethene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Toluene	ND	250	ug/Kg	04/19/04		RM	8021/8260
trans-1,2-Dichloroethene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Trichloroethene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Trichlorofluoromethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
Vinyl chloride	ND	250	ug/Kg	04/19/04		RM	8021/8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	111		%	04/19/04		RM	8021/8260

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller, Laboratory Director

April 23, 2004



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 23, 2004

FOR: Attn: Ms. Liz Rovers
CT Male Associates, PC
50 Century Hill Drive
Latham, NY 12110

Sample Information

Matrix: SOIL
Location Code: CT-MALE
Rush Request:
P.O.#: 049133

Custody Information

Collected by: SB
Received by: KJB
Analyzed by: see "By" below

Date

04/14/04
04/16/04

Time

14:10
9:15

Laboratory Data

SDG I.D.: GAF50176
Phoenix I.D.: AF50178

Client ID: 714 BROADWAY UST INVEST GP-4S

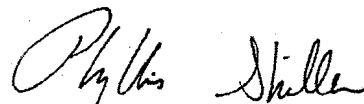
Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	82		%	04/17/04		C/D	E160.3
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,1,1-Trichloroethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,1,2-Trichloroethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,1-Dichloroethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,1-Dichloroethene	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,1-Dichloropropene	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,2,3-Trichlorobenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,2,3-Trichloropropane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,2,4-Trichlorobenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,2,4-Trimethylbenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,2-Dibromo-3-chloropropane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,2-Dibromoethane(EDB)	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,2-Dichlorobenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,2-Dichloroethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,2-Dichloropropane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,3,5-Trimethylbenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,3-Dichlorobenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,3-Dichloropropane	ND	250	ug/Kg	04/19/04		RM	8021/8260
1,4-Dichlorobenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
2,2-Dichloropropane	ND	250	ug/Kg	04/19/04		RM	8021/8260
2-Chlorotoluene	ND	250	ug/Kg	04/19/04		RM	8021/8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Chlorotoluene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Benzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Bromobenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Bromochloromethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
Bromodichloromethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
Bromoform	ND	250	ug/Kg	04/19/04		RM	8021/8260
Bromomethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
Carbon tetrachloride	ND	250	ug/Kg	04/19/04		RM	8021/8260
Chlorobenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Chloroethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
Chloroform	ND	250	ug/Kg	04/19/04		RM	8021/8260
Chloromethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
cis-1,2-Dichloroethene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Dibromochloromethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
Dibromomethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
Dichlorodifluoromethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
Ethylbenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Hexachlorobutadiene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Isopropylbenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Methyl tert-butyl ether (MTBE)	ND	500	ug/Kg	04/19/04		RM	8021/8260
Methylene chloride	ND	250	ug/Kg	04/19/04		RM	8021/8260
n-Butylbenzene	400	250	ug/Kg	04/19/04		RM	8021/8260
n-Propylbenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Naphthalene	650	250	ug/Kg	04/19/04		RM	8021/8260
o-Xylene	ND	250	ug/Kg	04/19/04		RM	8021/8260
p&m-Xylene	ND	250	ug/Kg	04/19/04		RM	8021/8260
p-Isopropyltoluene	ND	250	ug/Kg	04/19/04		RM	8021/8260
sec-Butylbenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Styrene	ND	250	ug/Kg	04/19/04		RM	8021/8260
tert-Butylbenzene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Tetrachloroethene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Toluene	ND	250	ug/Kg	04/19/04		RM	8021/8260
trans-1,2-Dichloroethene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Trichloroethene	ND	250	ug/Kg	04/19/04		RM	8021/8260
Trichlorofluoromethane	ND	250	ug/Kg	04/19/04		RM	8021/8260
Vinyl chloride	ND	250	ug/Kg	04/19/04		RM	8021/8260
<u>QA/QC Surrogates</u>							
%4-Bromofluorobenzene (Surrogate)	87		%	04/19/04		RM	8021/8260

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller, Laboratory Director

April 23, 2004



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 23, 2004

FOR: Attn: Ms. Liz Rovers
CT Male Associates, PC
50 Century Hill Drive
Latham, NY 12110

Sample Information

Matrix: SOIL
Location Code: CT-MALE
Rush Request:
P.O.#: 049133

Custody Information

Collected by: SB
Received by: KJB
Analyzed by: see "By" below

Date

04/14/04
04/16/04

Time

15:50
9:15

Laboratory Data

SDG I.D.: GAF50176
Phoenix I.D.: AF50179

Client ID: 714 BROADWAY UST INVEST GP-6S

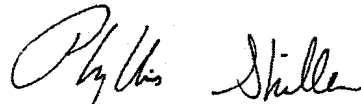
Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	82		%	04/17/04		C/D	E160.3
<u>Volatile Organic Compounds</u>							
1,1,1,2-Tetrachloroethane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,1,1-Trichloroethane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,1,2,2-Tetrachloroethane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,1,2-Trichloroethane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,1-Dichloroethane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,1-Dichloroethene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,1-Dichloropropene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,2,3-Trichlorobenzene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,2,3-Trichloropropane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,2,4-Trichlorobenzene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,2,4-Trimethylbenzene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,2-Dibromo-3-chloropropane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,2-Dibromoethane(EDB)	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,2-Dichlorobenzene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,2-Dichloroethane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,2-Dichloropropane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,3,5-Trimethylbenzene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,3-Dichlorobenzene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,3-Dichloropropane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
1,4-Dichlorobenzene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
2,2-Dichloropropane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
2-Chlorotoluene	ND	1300	ug/Kg	04/22/04		RM	8021/8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Chlorotoluene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Benzene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Bromobenzene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Bromochloromethane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Bromodichloromethane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Bromoform	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Bromomethane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Carbon tetrachloride	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Chlorobenzene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Chloroethane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Chloroform	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Chloromethane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
cis-1,2-Dichloroethene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Dibromochloromethane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Dibromomethane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Dichlorodifluoromethane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Ethylbenzene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Hexachlorobutadiene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Isopropylbenzene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Methyl tert-butyl ether (MTBE)	ND	2500	ug/Kg	04/22/04		RM	8021/8260
Methylene chloride	ND	1300	ug/Kg	04/22/04		RM	8021/8260
n-Butylbenzene	5800	1300	ug/Kg	04/22/04		RM	8021/8260
n-Propylbenzene	2700	1300	ug/Kg	04/22/04		RM	8021/8260
Naphthalene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
o-Xylene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
p&m-Xylene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
p-Isopropyltoluene	1500	1300	ug/Kg	04/22/04		RM	8021/8260
sec-Butylbenzene	1800	1300	ug/Kg	04/22/04		RM	8021/8260
Styrene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
tert-Butylbenzene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Tetrachloroethene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Toluene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
trans-1,2-Dichloroethene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Trichloroethene	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Trichlorofluoromethane	ND	1300	ug/Kg	04/22/04		RM	8021/8260
Vinyl chloride	ND	1300	ug/Kg	04/22/04		RM	8021/8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	130		%	04/22/04		RM	8021/8260

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller, Laboratory Director

April 23, 2004



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 23, 2004

FOR: Attn: Ms. Liz Rovers
CT Male Associates, PC
50 Century Hill Drive
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: CT-MALE
Rush Request:
P.O.#: 049133

Custody Information

Collected by: SB
Received by: KJB
Analyzed by: see "By" below

Date

04/14/04
04/16/04

Time

9:40
9:15

Laboratory Data

SDG I.D.: GAF50176
Phoenix I.D.: AF50180

Client ID: 714 BROADWAY UST INVEST GP-1W

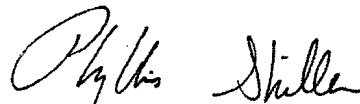
Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatile Organic Compounds</u>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1-Dichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1-Dichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1-Dichloropropene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dibromoethane(EDB)	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,3-Dichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
2,2-Dichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
2-Chlorotoluene	ND	1.0	ug/L	04/16/04		RM	8021/8260
4-Chlorotoluene	ND	1.0	ug/L	04/16/04		RM	8021/8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Benzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromochloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromodichloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromoform	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromomethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Carbon tetrachloride	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chloroform	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Dibromochloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Dibromomethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Ethylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Hexachlorobutadiene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Isopropylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	04/16/04		RM	8021/8260
Methylene chloride	ND	1.0	ug/L	04/16/04		RM	8021/8260
n-Butylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
n-Propylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Naphthalene	ND	1.0	ug/L	04/16/04		RM	8021/8260
o-Xylene	ND	1.0	ug/L	04/16/04		RM	8021/8260
p&m-Xylene	ND	1.0	ug/L	04/16/04		RM	8021/8260
p-Isopropyltoluene	ND	1.0	ug/L	04/16/04		RM	8021/8260
sec-Butylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Styrene	ND	1.0	ug/L	04/16/04		RM	8021/8260
tert-Butylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Tetrachloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Toluene	ND	1.0	ug/L	04/16/04		RM	8021/8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Trichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Trichlorofluoromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Vinyl chloride	ND	1.0	ug/L	04/16/04		RM	8021/8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	87		%	04/16/04		RM	8021/8260

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller, Laboratory Director

April 23, 2004



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 23, 2004

FOR: Attn: Ms. Liz Rovers
CT Male Associates, PC
50 Century Hill Drive
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: CT-MALE
Rush Request:
P.O.#: 049133

Custody Information

Collected by: SB
Received by: KJB
Analyzed by: see "By" below

Date

04/14/04
04/16/04

Time

11:15
9:15

Laboratory Data

SDG I.D.: GAF50176

Phoenix I.D.: AF50181

Client ID: 714 BROADWAY UST INVEST GP-2W

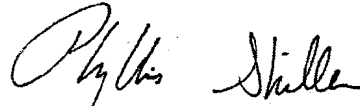
Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatile Organic Compounds</u>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,1-Dichloroethane	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,1-Dichloroethene	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,1-Dichloropropene	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,2-Dibromoethane(EDB)	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,2-Dichloroethane	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,2-Dichloropropane	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,3-Dichloropropane	ND	1.0	ug/L	04/21/04		RM	8021/8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/21/04		RM	8021/8260
2,2-Dichloropropane	ND	1.0	ug/L	04/21/04		RM	8021/8260
2-Chlorotoluene	ND	1.0	ug/L	04/21/04		RM	8021/8260
4-Chlorotoluene	ND	1.0	ug/L	04/21/04		RM	8021/8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Benzene	ND	1.0	ug/L	04/21/04		RM	8021/8260
Bromobenzene	ND	1.0	ug/L	04/21/04		RM	8021/8260
Bromochloromethane	ND	1.0	ug/L	04/21/04		RM	8021/8260
Bromodichloromethane	ND	1.0	ug/L	04/21/04		RM	8021/8260
Bromoform	ND	1.0	ug/L	04/21/04		RM	8021/8260
Bromomethane	ND	1.0	ug/L	04/21/04		RM	8021/8260
Carbon tetrachloride	ND	1.0	ug/L	04/21/04		RM	8021/8260
Chlorobenzene	ND	1.0	ug/L	04/21/04		RM	8021/8260
Chloroethane	ND	1.0	ug/L	04/21/04		RM	8021/8260
Chloroform	ND	1.0	ug/L	04/21/04		RM	8021/8260
Chloromethane	ND	1.0	ug/L	04/21/04		RM	8021/8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	04/21/04		RM	8021/8260
Dibromochloromethane	ND	1.0	ug/L	04/21/04		RM	8021/8260
Dibromomethane	ND	1.0	ug/L	04/21/04		RM	8021/8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/21/04		RM	8021/8260
Ethylbenzene	ND	1.0	ug/L	04/21/04		RM	8021/8260
Hexachlorobutadiene	ND	1.0	ug/L	04/21/04		RM	8021/8260
Isopropylbenzene	ND	1.0	ug/L	04/21/04		RM	8021/8260
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	04/21/04		RM	8021/8260
Methylene chloride	ND	1.0	ug/L	04/21/04		RM	8021/8260
n-Butylbenzene	ND	1.0	ug/L	04/21/04		RM	8021/8260
n-Propylbenzene	ND	1.0	ug/L	04/21/04		RM	8021/8260
Naphthalene	ND	1.0	ug/L	04/21/04		RM	8021/8260
o-Xylene	ND	1.0	ug/L	04/21/04		RM	8021/8260
p&m-Xylene	ND	1.0	ug/L	04/21/04		RM	8021/8260
p-Isopropyltoluene	ND	1.0	ug/L	04/21/04		RM	8021/8260
sec-Butylbenzene	ND	1.0	ug/L	04/21/04		RM	8021/8260
Styrene	ND	1.0	ug/L	04/21/04		RM	8021/8260
tert-Butylbenzene	ND	1.0	ug/L	04/21/04		RM	8021/8260
Tetrachloroethene	ND	1.0	ug/L	04/21/04		RM	8021/8260
Toluene	ND	1.0	ug/L	04/21/04		RM	8021/8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/21/04		RM	8021/8260
Trichloroethene	ND	1.0	ug/L	04/21/04		RM	8021/8260
Trichlorofluoromethane	ND	1.0	ug/L	04/21/04		RM	8021/8260
Vinyl chloride	ND	1.0	ug/L	04/21/04		RM	8021/8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	108		%	04/21/04		RM	8021/8260

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director

April 23, 2004



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 23, 2004

FOR: Attn: Ms. Liz Rovers
CT Male Associates, PC
50 Century Hill Drive
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: CT-MALE
Rush Request:
P.O.#: 049133

Custody Information

Collected by: SB
Received by: KJB
Analyzed by: see "By" below

Date

04/14/04
04/16/04

Time

13:10
9:15

Laboratory Data

SDG I.D.: GAF50176

Phoenix I.D.: AF50182

Client ID: 714 BROADWAY UST INVEST GP-3W

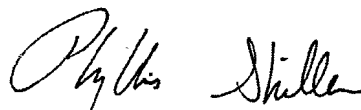
Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatile Organic Compounds</u>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1-Dichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1-Dichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1-Dichloropropene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dibromoethane(EDB)	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,3-Dichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
2,2-Dichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
2-Chlorotoluene	ND	1.0	ug/L	04/16/04		RM	8021/8260
4-Chlorotoluene	ND	1.0	ug/L	04/16/04		RM	8021/8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Benzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromochloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromodichloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromoform	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromomethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Carbon tetrachloride	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chloroform	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Dibromochloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Dibromomethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Ethylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Hexachlorobutadiene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Isopropylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	04/16/04		RM	8021/8260
Methylene chloride	ND	1.0	ug/L	04/16/04		RM	8021/8260
n-Butylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
n-Propylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Naphthalene	ND	1.0	ug/L	04/16/04		RM	8021/8260
o-Xylene	ND	1.0	ug/L	04/16/04		RM	8021/8260
p&m-Xylene	ND	1.0	ug/L	04/16/04		RM	8021/8260
p-Isopropyltoluene	ND	1.0	ug/L	04/16/04		RM	8021/8260
sec-Butylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Styrene	ND	1.0	ug/L	04/16/04		RM	8021/8260
tert-Butylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Tetrachloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Toluene	ND	1.0	ug/L	04/16/04		RM	8021/8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Trichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Trichlorofluoromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Vinyl chloride	ND	1.0	ug/L	04/16/04		RM	8021/8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	116		%	04/16/04		RM	8021/8260

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller, Laboratory Director

April 23, 2004



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 23, 2004

FOR: Attn: Ms. Liz Rovers
CT Male Associates, PC
50 Century Hill Drive
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: CT-MALE
Rush Request:
P.O.#: 049133

Custody Information

Collected by: SB
Received by: KJB
Analyzed by: see "By" below

Date

04/14/04
04/16/04

Time

14:45
9:15

Laboratory Data

SDG I.D.: GAF50176
Phoenix I.D.: AF50183

Client ID: 714 BROADWAY UST INVEST GP-4W

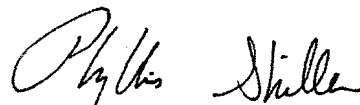
Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatile Organic Compounds</u>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1-Dichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1-Dichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1-Dichloropropene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dibromoethane(EDB)	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,3-Dichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
2,2-Dichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
2-Chlorotoluene	ND	1.0	ug/L	04/16/04		RM	8021/8260
4-Chlorotoluene	ND	1.0	ug/L	04/16/04		RM	8021/8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Benzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromochloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromodichloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromoform	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromomethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Carbon tetrachloride	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chloroform	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Dibromochloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Dibromomethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Ethylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Hexachlorobutadiene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Isopropylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	04/16/04		RM	8021/8260
Methylene chloride	ND	1.0	ug/L	04/16/04		RM	8021/8260
n-Butylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
n-Propylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Naphthalene	ND	1.0	ug/L	04/16/04		RM	8021/8260
o-Xylene	ND	1.0	ug/L	04/16/04		RM	8021/8260
p&m-Xylene	ND	1.0	ug/L	04/16/04		RM	8021/8260
p-Isopropyltoluene	ND	1.0	ug/L	04/16/04		RM	8021/8260
sec-Butylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Styrene	ND	1.0	ug/L	04/16/04		RM	8021/8260
tert-Butylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Tetrachloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Toluene	ND	1.0	ug/L	04/16/04		RM	8021/8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Trichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Trichlorofluoromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Vinyl chloride	ND	1.0	ug/L	04/16/04		RM	8021/8260
<u>QA/QC Surrogates</u>							
%4-Bromofluorobenzene (Surrogate)	94		%	04/16/04		RM	8021/8260

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director

April 23, 2004



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 23, 2004

FOR: Attn: Ms. Liz Rovers
CT Male Associates, PC
50 Century Hill Drive
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: CT-MALE
Rush Request:
P.O.#: 049133

Custody Information

Collected by: SB
Received by: KJB
Analyzed by: see "By" below

Date

04/14/04
04/16/04

Time

16:30
9:15

Laboratory Data

SDG I.D.: GAF50176

Phoenix I.D.: AF50184

Client ID: 714 BROADWAY UST INVEST GP-6W

Parameter	Result	RL	Units	Date	Time	By	Reference
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Volatile Organic Compounds

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1-Dichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1-Dichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1-Dichloropropene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dibromoethane(EDB)	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,3-Dichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
2,2-Dichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
2-Chlorotoluene	ND	1.0	ug/L	04/16/04		RM	8021/8260
4-Chlorotoluene	ND	1.0	ug/L	04/16/04		RM	8021/8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Benzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromochloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromodichloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromoform	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromomethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Carbon tetrachloride	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chloroform	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Dibromochloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Dibromomethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Ethylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Hexachlorobutadiene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Isopropylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	04/16/04		RM	8021/8260
Methylene chloride	ND	1.0	ug/L	04/16/04		RM	8021/8260
n-Butylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
n-Propylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Naphthalene	ND	1.0	ug/L	04/16/04		RM	8021/8260
o-Xylene	ND	1.0	ug/L	04/16/04		RM	8021/8260
p&m-Xylene	ND	1.0	ug/L	04/16/04		RM	8021/8260
p-Isopropyltoluene	ND	1.0	ug/L	04/16/04		RM	8021/8260
sec-Butylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Styrene	ND	1.0	ug/L	04/16/04		RM	8021/8260
tert-Butylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Tetrachloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Toluene	ND	1.0	ug/L	04/16/04		RM	8021/8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Trichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Trichlorofluoromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Vinyl chloride	ND	1.0	ug/L	04/16/04		RM	8021/8260

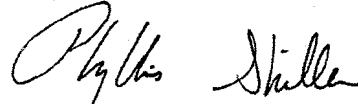
QA/QC Surrogates

%4-Bromofluorobenzene (Surrogate)	87		%	04/16/04		RM	8021/8260
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Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller, Laboratory Director

April 23, 2004



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 23, 2004

FOR: Attn: Ms. Liz Rovers
CT Male Associates, PC
50 Century Hill Drive
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: CT-MALE
Rush Request:
P.O.#: 049133

Custody Information

Collected by: SB
Received by: KJB
Analyzed by: see "By" below

Date

04/14/04
04/16/04

Time

0:00
9:15

Laboratory Data

SDG I.D.: GAF50176

Phoenix I.D.: AF50185

Client ID: 714 BROADWAY UST INVEST TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatile Organic Compounds</u>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1-Dichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1-Dichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,1-Dichloropropene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dibromoethane(EDB)	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dichloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,2-Dichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,3-Dichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
2,2-Dichloropropane	ND	1.0	ug/L	04/16/04		RM	8021/8260
2-Chlorotoluene	ND	1.0	ug/L	04/16/04		RM	8021/8260
4-Chlorotoluene	ND	1.0	ug/L	04/16/04		RM	8021/8260

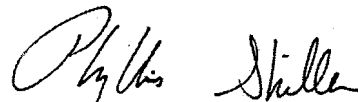
Parameter	Result	RL	Units	Date	Time	By	Reference
Benzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromochloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromodichloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromoform	ND	1.0	ug/L	04/16/04		RM	8021/8260
Bromomethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Carbon tetrachloride	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chlorobenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chloroethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chloroform	ND	1.0	ug/L	04/16/04		RM	8021/8260
Chloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Dibromochloromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Dibromomethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Ethylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Hexachlorobutadiene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Isopropylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	04/16/04		RM	8021/8260
Methylene chloride	ND	1.0	ug/L	04/16/04		RM	8021/8260
n-Butylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
n-Propylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Naphthalene	ND	1.0	ug/L	04/16/04		RM	8021/8260
o-Xylene	ND	1.0	ug/L	04/16/04		RM	8021/8260
p&m-Xylene	ND	1.0	ug/L	04/16/04		RM	8021/8260
p-Isopropyltoluene	ND	1.0	ug/L	04/16/04		RM	8021/8260
sec-Butylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Styrene	ND	1.0	ug/L	04/16/04		RM	8021/8260
tert-Butylbenzene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Tetrachloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Toluene	ND	1.0	ug/L	04/16/04		RM	8021/8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Trichloroethene	ND	1.0	ug/L	04/16/04		RM	8021/8260
Trichlorofluoromethane	ND	1.0	ug/L	04/16/04		RM	8021/8260
Vinyl chloride	ND	1.0	ug/L	04/16/04		RM	8021/8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	102		%	04/16/04		RM	8021/8260

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

TRIP BLANK INCLUDED.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller, Laboratory Director

April 23, 2004



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

April 23, 2004

QA/QC Data

SDG I.D.: GAF50176

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
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QA/QC Batch Sample No: AF50190 (AF50180, AF50181, AF50182, AF50183, AF50184)

Volatiles Organics

1,1,1,2-Tetrachloroethane	ND	108			
1,1,1-Trichloroethane	ND	73			
1,1,2,2-Tetrachloroethane	ND				
1,1,2-Trichloroethane	ND	117			
1,1-Dichloroethane	ND				
1,1-Dichloroethene	ND		88	90	2.2
1,1-Dichloropropene	ND				
1,2,3-Trichlorobenzene	ND	85			
1,2,3-Trichloropropane	ND	124			
1,2,3-Trimethylbenzene	ND				
1,2,4-Trichlorobenzene	ND	97			
1,2,4-Trimethylbenzene	ND	104			
1,2-Dibromo-3-chloropropane	ND				
1,2-Dichlorobenzene	ND	111			
1,2-Dichloroethane	ND				
1,2-Dichloropropane	ND	101			
1,3,5-Trimethylbenzene	ND	103			
1,3-Dichlorobenzene	ND	110			
1,3-Dichloropropane	ND	105			
1,4-Dichlorobenzene	ND	110			
2,2-Dichloropropane	ND				
2-Chlorotoluene	ND	106			
4-Chlorotoluene	ND	105			
Benzene	ND	142	103	77	28.9
Bromobenzene	ND	113			
Bromochloromethane	ND	91			
Bromodichloromethane	ND	107			
Bromoform	ND				
Bromomethane	ND	92			
Carbon Tetrachloride	ND	117			
Chlorobenzene	ND	109	91	93	2.2
Chloroethane	ND				

QA/QC Data

SDG I.D.: GAF50176

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Chloroform	ND	76			
Chloromethane	ND				
cis-1,2-Dichloroethene	ND	83			
cis-1,3-Dichloropropene	ND	99			
Dibromochloromethane	ND	112			
Dibromoethane	ND	106			
Dibromomethane	ND	118			
Dichlorodifluoromethane	ND	79			
Ethylbenzene	ND	102			
Hexachlorobutadiene	ND	114			
Isopropylbenzene	ND	105			
m&p-Xylene	ND	106			
Methyl t Butyl Ether (MTBE)	ND				
Methylene Chloride	ND				
n-Butylbenzene	ND	102			
n-Propylbenzene	ND	101			
Naphthalene	ND	78			
o-Xylene	ND	101			
p-Isopropyltoluene	ND	110			
sec-Butylbenzene	ND	103			
Styrene	ND	102			
tert-Butylbenzene	ND	105			
Tetrachloroethene	ND	99			
Toluene	ND	107	96	86	11.0
Total Trihalomethanes (TTHM)	ND				
trans-1,2-Dichloroethene	ND				
trans-1,3-Dichloropropene	ND	94			
Trichloroethene	ND	97	83	103	21.5
Trichlorofluoromethane	ND				
Vinyl Chloride	ND				
% Bromofluorobenzene	86	96	85	85	0.0

Comment: LFB was analyzed with this batch instead of MS/MSD

QA/QC Batch Sample No: AF50270 (AF50185)

Volatiles Organics

1,1,1,2-Tetrachloroethane	ND	99			
1,1,1-Trichloroethane	ND	117			
1,1,2,2-Tetrachloroethane	ND	107			
1,1,2-Trichloroethane	ND	90			
1,1-Dichloroethane	ND	104			
1,1-Dichloroethene	ND	95	90	91	1.1
1,1-Dichloropropene	ND	97			

QA/QC Data

SDG I.D.: GAF50176

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
1,2,3-Trichlorobenzene	ND	95			
1,2,3-Trichloropropane	ND	99			
1,2,3-Trimethylbenzene	ND				
1,2,4-Trichlorobenzene	ND	96			
1,2,4-Trimethylbenzene	ND	95			
1,2-Dibromo-3-chloropropane	ND	100			
1,2-Dichlorobenzene	ND	102			
1,2-Dichloroethane	ND	106			
1,2-Dichloropropane	ND	96			
1,3,5-Trimethylbenzene	ND	97			
1,3-Dichlorobenzene	ND	102			
1,3-Dichloropropane	ND	96			
1,4-Dichlorobenzene	ND	102			
2,2-Dichloropropane	ND	146			
2-Chlorotoluene	ND	97			
4-Chlorotoluene	ND	100			
Benzene	ND	98	92	95	3.2
Bromobenzene	ND	94			
Bromochloromethane	ND	109			
Bromodichloromethane	ND	115			
Bromoform	ND	103			
Bromomethane	ND				
Carbon Tetrachloride	ND	126			
Chlorobenzene	ND	92	90	91	1.1
Chloroethane	ND	81			
Chloroform	ND	117			
Chloromethane	ND	89			
cis-1,2-Dichloroethene	ND	93			
cis-1,3-Dichloropropene	ND	96			
Dibromochloromethane	ND	110			
Dibromoethane	ND	94			
Dibromomethane	ND	100			
Dichlorodifluoromethane	ND	127			
Ethylbenzene	ND	91			
Hexachlorobutadiene	ND	106			
Isopropylbenzene	ND	106			
m&p-Xylene	ND	90			
Methyl t Butyl Ether (MTBE)	ND				
Methylene Chloride	ND	87			
n-Butylbenzene	ND	107			
n-Propylbenzene	ND	96			
Naphthalene	ND	97			

QA/QC Data

SDG I.D.: GAF50176

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
o-Xylene	ND	92			
p-Isopropyltoluene	ND	108			
sec-Butylbenzene	ND	93			
Styrene	ND	90			
tert-Butylbenzene	ND	101			
Tetrachloroethene	ND	101			
Toluene	ND	92	86	87	1.2
Total Trihalomethanes (TTHM)	ND				
trans-1,2-Dichloroethene	ND	92			
trans-1,3-Dichloropropene	ND	96			
Trichloroethene	ND	99	88	88	0.0
Trichlorofluoromethane	ND	117			
Vinyl Chloride	ND	103			
% Bromofluorobenzene	101	95	87	86	1.2

Comment: LFB was analyzed with tis batch instead of MS/MSD

QA/QC Batch Sample No: AF50362 (AF50179)

Volatiles

1,1,1,2-Tetrachloroethane	ND	102			
1,1,1-Trichloroethane	ND	85			
1,1,2,2-Tetrachloroethane	ND	110			
1,1,2-Trichloroethane	ND	121			
1,1-Dichloroethane	ND	70			
1,1-Dichloroethene	ND	76	94	112	17.5
1,1-Dichloropropene	ND	98			
1,2,3-Trichlorobenzene	ND	108			
1,2,3-Trichloropropane	ND	99			
1,2,4-Trichlorobenzene	ND	106			
1,2,4-Trimethylbenzene	ND	95			
1,2-Dibromo-3-chloropropane	ND	112			
1,2-Dichlorobenzene	ND	102			
1,2-Dichloroethane	ND	86			
1,2-Dichloropropane	ND	87			
1,3,5-Trimethylbenzene	ND	98			
1,3-Dichlorobenzene	ND	103			
1,3-Dichloropropane	ND	107			
1,4-Dichlorobenzene	ND	101			
2,2-Dichloropropane	ND	84			
2-Chlorotoluene	ND	101			
4-Chlorotoluene	ND	103			
Benzene	ND	86	94	103	9.1
Bromobenzene	ND	111			

QA/QC Data

SDG I.D.: GAF50176

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Bromochloromethane	ND	97			
Bromodichloromethane	ND	89			
Bromoform	ND	108			
Bromomethane	ND				
Carbon tetrachloride	ND	87			
Chlorobenzene	ND	100	100	114	13.1
Chloroethane	ND	35			
Chloroform	ND	84			
Chloromethane	ND				
cis-1,2-Dichloroethene	ND	93			
cis-1,3-Dichloropropene	ND	91			
Dibromochloromethane	ND	111			
Dibromoethane	ND	120			
Dibromomethane	ND	101			
Dichlorodifluoromethane	ND				
Ethylbenzene	ND	99			
Hexachlorobutadiene	ND	101			
Isopropylbenzene	ND	113			
m&p-Xylene	ND	96			
Methyl Ethyl Ketone	ND				
Methyl tert-butyl ether (MTBE)	ND				
Methylene chloride	ND	71			
n-Butylbenzene	ND	92			
n-Propylbenzene	ND	102			
Naphthalene	ND	118			
o-Xylene	ND	92			
p-Isopropyltoluene	ND	100			
sec-Butylbenzene	ND	92			
Styrene	ND	92			
tert-Butylbenzene	ND	97			
Tetrachloroethene	ND	106			
Toluene	ND	87	94	107	12.9
trans-1,2-Dichloroethene	ND	81			
trans-1,3-Dichloropropene	ND	107			
Trichloroethene	ND	98	100	117	15.7
Trichlorofluoromethane	ND				
Vinyl chloride	ND	60			
% Bromofluorobenzene	89	85	86	86	0.0

QA/QC Batch Sample No: AF50385 (AF50179)

Volatiles

1,1,1,2-Tetrachloroethane	ND	104
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QA/QC Data

SDG I.D.: GAF50176

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
1,1,1-Trichloroethane	ND	92			
1,1,2,2-Tetrachloroethane	ND	88			
1,1,2-Trichloroethane	ND	107			
1,1-Dichloroethane	ND	73			
1,1-Dichloroethene	ND	87	87	84	3.5
1,1-Dichloropropene	ND	113			
1,2,3-Trichlorobenzene	ND	100			
1,2,3-Trichloropropane	ND	77			
1,2,4-Trichlorobenzene	ND	105			
1,2,4-Trimethylbenzene	ND	105			
1,2-Dibromo-3-chloropropane	ND	84			
1,2-Dichlorobenzene	ND	102			
1,2-Dichloroethane	ND	79			
1,2-Dichloropropane	ND	90			
1,3,5-Trimethylbenzene	ND	109			
1,3-Dichlorobenzene	ND	110			
1,3-Dichloropropane	ND	95			
1,4-Dichlorobenzene	ND	107			
2,2-Dichloropropane	ND	85			
2-Chlorotoluene	ND	110			
4-Chlorotoluene	ND	111			
Benzene	ND	95	82	80	2.5
Bromobenzene	ND	112			
Bromochloromethane	ND	88			
Bromodichloromethane	ND	88			
Bromoform	ND	91			
Bromomethane	ND				
Carbon tetrachloride	ND	101			
Chlorobenzene	ND	107	62	70	12.1
Chloroethane	ND				
Chloroform	ND	83			
Chloromethane	ND				
cis-1,2-Dichloroethene	ND	95			
cis-1,3-Dichloropropene	ND	88			
Dibromochloromethane	ND	100			
Dibromoethane	ND	103			
Dibromomethane	ND	90			
Dichlorodifluoromethane	ND				
Ethylbenzene	ND	113			
Hexachlorobutadiene	ND	117			
Isopropylbenzene	ND	128			
m&p-Xylene	ND	108			

QA/QC Data

SDG I.D.: GAF50176

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Methyl Ethyl Ketone	ND				
Methyl t-butyl ether (MTBE)	ND				
Methylene chloride	ND	73			
n-Butylbenzene	ND	107			
n-Propylbenzene	ND	117			
Naphthalene	ND	90			
o-Xylene	ND	100			
p-Isopropyltoluene	ND	115			
sec-Butylbenzene	ND	107			
Styrene	ND	98			
tert-Butylbenzene	ND	113			
Tetrachloroethene	ND	125			
Toluene	ND	98	70	70	0.0
Total Xylenes	ND				
trans-1,2-Dichloroethene	ND	89			
trans-1,3-Dichloropropene	ND	95			
Trichloroethene	ND	109	86	84	2.4
Trichlorofluoromethane	ND	72			
Vinyl chloride	ND				
% Bromofluorobenzene	83	84	82	77	6.3

QA/QC Batch Sample No: AF50882 (AF50181)

Volatiles Organics

1,1,1,2-Tetrachloroethane	ND	104			
1,1,1-Trichloroethane	ND	108			
1,1,2,2-Tetrachloroethane	ND	122			
1,1,2-Trichloroethane	ND				
1,1-Dichloroethane	ND	94			
1,1-Dichloroethene	ND	103	70	83	17.0
1,1-Dichloropropene	ND	100			
1,2,3-Trichlorobenzene	ND	86			
1,2,3-Trichloropropane	ND	124			
1,2,3-Trimethylbenzene	ND				
1,2,4-Trichlorobenzene	ND	96			
1,2,4-Trimethylbenzene	ND	105			
1,2-Dibromo-3-chloropropane	ND				
1,2-Dichlorobenzene	ND	104			
1,2-Dichloroethane	ND	110			
1,2-Dichloropropane	ND	110			
1,3,5-Trimethylbenzene	ND	105			
1,3-Dichlorobenzene	ND	101			
1,3-Dichloropropane	ND	111			

QA/QC Data

SDG I.D.: GAF50176

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
1,4-Dichlorobenzene	ND	102			
2,2-Dichloropropane	ND	95			
2-Chlorotoluene	ND	106			
4-Chlorotoluene	ND	105			
Benzene	ND	108	84	89	5.8
Bromobenzene	ND	109			
Bromochloromethane	ND	122			
Bromodichloromethane	ND	119			
Bromoform	ND				
Bromomethane	ND				
Carbon Tetrachloride	ND	109			
Chlorobenzene	ND	102	77	78	1.3
Chloroethane	ND	110			
Chloroform	ND	110			
Chloromethane	ND	64			
cis-1,2-Dichloroethene	ND	115			
cis-1,3-Dichloropropene	ND	126			
Dibromochloromethane	ND	117			
Dibromoethane	ND				
Dibromomethane	ND	127			
Dichlorodifluoromethane	ND	121			
Ethylbenzene	ND	100			
Hexachlorobutadiene	ND	96			
Isopropylbenzene	ND	110			
m&p-Xylene	ND	105			
Methyl t Butyl Ether (MTBE)	ND				
Methylene Chloride	ND	110			
n-Butylbenzene	ND	99			
n-Propylbenzene	ND	98			
Naphthalene	ND	88			
o-Xylene	ND	100			
p-Isopropyltoluene	ND	106			
sec-Butylbenzene	ND	98			
Styrene	ND	106			
tert-Butylbenzene	ND	106			
Tetrachloroethene	ND	91			
Toluene	ND	118	129	108	17.7
Total Trihalomethanes (TTHM)	ND				
trans-1,2-Dichloroethene	ND	100			
trans-1,3-Dichloropropene	ND	123			
Trichloroethene	ND	101	76	74	2.7
Trichlorofluoromethane	ND	108			

QA/QC Data

SDG I.D.: GAF50176

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
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Vinyl Chloride

ND

83

% Bromofluorobenzene

88

93

78

87

10.9

Comment: LFB was analyzed with tis batch instead of MS/MSD

QA/QC Batch Sample No: AF50891 (AF50181)

Volatiles Organics

1,1,1,2-Tetrachloroethane

ND

111

1,1,1-Trichloroethane

ND

1,1,2,2-Tetrachloroethane

ND

96

1,1,2-Trichloroethane

ND

90

1,1-Dichloroethane

ND

108

1,1-Dichloroethene

ND

87

87

84

3.5

1,1-Dichloropropene

ND

95

1,2,3-Trichlorobenzene

ND

91

1,2,3-Trichloropropane

ND

101

1,2,3-Trimethylbenzene

ND

1,2,4-Trichlorobenzene

ND

91

1,2,4-Trimethylbenzene

ND

94

1,2-Dibromo-3-chloropropane

ND

97

1,2-Dichlorobenzene

ND

98

1,2-Dichloroethane

ND

1,2-Dichloropropane

ND

94

1,3,5-Trimethylbenzene

ND

98

1,3-Dichlorobenzene

ND

94

1,3-Dichloropropane

ND

104

1,4-Dichlorobenzene

ND

93

2,2-Dichloropropane

ND

2-Chlorotoluene

ND

89

4-Chlorotoluene

ND

91

Benzene

ND

94

100

97

3.0

Bromobenzene

ND

86

Bromochloromethane

ND

106

Bromodichloromethane

ND

131

Bromoform

ND

114

Bromomethane

ND

Carbon Tetrachloride

ND

176

Chlorobenzene

ND

89

90

91

1.1

Chloroethane

ND

104

Chloroform

ND

129

Chloromethane

ND

100

cis-1,2-Dichloroethene

ND

85

cis-1,3-Dichloropropene

ND

112

QA/QC Data

SDG I.D.: GAF50176

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Dibromochloromethane	ND	118			
Dibromoethane	ND	97			
Dibromomethane	ND	108			
Dichlorodifluoromethane	ND				
Ethylbenzene	ND	85			
Hexachlorobutadiene	ND	116			
Isopropylbenzene	ND	96			
m&p-Xylene	ND	90			
Methyl t Butyl Ether (MTBE)	ND				
Methylene Chloride	ND	88			
n-Butylbenzene	ND	103			
n-Propylbenzene	ND	93			
Naphthalene	ND	86			
o-Xylene	ND	89			
p-Isopropyltoluene	ND	107			
sec-Butylbenzene	ND	90			
Styrene	ND	84			
tert-Butylbenzene	ND	100			
Tetrachloroethene	ND	103			
Toluene	ND	85	85	80	6.1
Total Trihalomethanes (TTHM)	ND				
trans-1,2-Dichloroethene	ND	86			
trans-1,3-Dichloropropene	ND	116			
Trichloroethene	ND	95	93	92	1.1
Trichlorofluoromethane	ND				
Vinyl Chloride	ND	120			
% Bromofluorobenzene	107	112	107	107	0.0

Comment: LFB was analyzed with this batch instead of MS/MSD

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

RPD - Relative Percent Difference

LCS - Laboratory Control Sample


Phyllis Shiller, Laboratory Director
April 23, 2004

