

**RESULTS OF LIMITED PHASE II
ENVIRONMENTAL ASSESSMENT OF
SELECTED MDT CORPORATION FACILITIES**

Prepared for

Skadden, Arps, Slate, Meagher & Flom
Washington, DC

On Behalf of
Getinge Industrier AB

Prepared by

ENVIRON Corporation
Princeton, NJ and Arlington, VA

April 1996

**Getinge Confidential
Information**

CONTENTS

	<u>Page</u>
I. INTRODUCTION	I-1
II. SUMMARY OF CONCLUSIONS	II-1
III. HENRIETTA, NEW YORK	III-1
IV. MERCERSBURG, PENNSYLVANIA	IV-1
V. NORTH CHARLESTON, SOUTH CAROLINA	V-1

APPENDICES

Appendix A:	Environmental Management Associates, Inc. Report of Mobile Laboratory Analyses
Appendix B:	Lancaster Laboratories Analytical Reports, Henrietta, NY
Appendix C:	Boring Logs, Mercersburg, PA
Appendix D:	Lancaster Laboratories Analytical Reports, Mercersburg, PA
Appendix E:	Lancaster Laboratories Analytical Reports, North Charleston, SC

TABLES

Table III-1:	Summary of Sampling Locations and Analyses Conducted MDT Biologic Company, Henrietta, NY	III-7
Table III-2:	Summary of Compounds Analyzed Using On-Site Mobile Laboratory MDT Biologic Company, Henrietta, NY	III-10
Table III-3:	Summary of Soil Gas Sampling Results from On-Site Mobile Laboratory Analysis, MDT Biologic Company, Henrietta, NY	III-12
Table III-4:	Summary of Ground Water Sampling Results from On-Site Mobile Laboratory Analysis, MDT Biologic Company, Henrietta, NY	III-15
Table III-5:	Summary of Ground Water Sampling Results from Off-Site Laboratory Analysis, MDT Biologic Company, Henrietta, NY	III-16
Table III-6:	Summary of Soil Sampling Results from On-Site Mobile Laboratory Analysis, MDT Biologic Company, Henrietta, NY	III-17
Table III-7:	Summary of Soil Sampling Results from Off-Site Laboratory Analysis, MDT Biologic Company, Henrietta, NY	III-19
Table IV-1:	Summary of Soil Gas Sampling Results from On-Site Mobile Laboratory Analysis, MDT Biologic Company, Mercersburg, PA	IV-7
Table IV-2:	Summary of Soil Sampling Results from On-Site and Off-Site Laboratory Analyses, MDT Biologic Company, Mercersburg, PA	IV-10

C O N T E N T S
(continued)

T A B L E S
(continued)

Page

Table V-1:	Summary of Samples Collected from Each AEC, MDT Diagnostic Company, North Charleston, SC	V-11
Table V-2:	Summary of Analytical Results for Soil Samples, MDT Diagnostic Company, North Charleston, SC	V-16
Table V-3:	Summary of Analytical Results for Ground Water Samples, MDT Diagnostic Company, North Charleston	V-21
Table V-4:	Summary of Analytical Results for Quality Assurance/Quality Control MDT Diagnostic Company, North Charleston	V-23

F I G U R E S

Figure III-1:	Facility Location Map, MDT Biologic Company, 1777 E. Henrietta Road, Henrietta, New York	III-2
Figure III-2:	Phase II Sampling Locations, MDT Biologic Company, 1777 E. Henrietta Road, Henrietta, New York	III-6
Figure IV-1:	Site Location Map, MDT Biologic Company, Mercersburg, Pennsylvania	IV-2
Figure IV-2:	Sampling Location Map, MDT Biologic Company, Mercersburg, Pennsylvania	IV-3
Figure V-1:	Site Location Map, MDT Facility ("The Plant"), 7371-B Spartan Boulevard, North Charleston, South Carolina	V-2
Figure V-2:	Site Plan with Phase II Sample Locations, MDT Facility ("The Plant"), North Charleston, South Carolina	V-3
Figure V-3:	Site Location Map, MDT Facility ("The Annex"), 3074 Ashley Phosphate Road, North Charleston, South Carolina	V-5
Figure V-4:	Site Plan with Phase II Sample Locations, MDT Facility ("The Annex"), North Charleston, South Carolina	V-6
Figure V-5:	Sampling Locations in Outdoor Chemical Storage Area, MDT Diagnostic Company, North Charleston, South Carolina	V-13
Figure V-6:	Sampling Locations in the Drum Storage Area, MDT Diagnostic Company, North Charleston, South Carolina	V-15

**Getinge Confidential
Information**

I. INTRODUCTION

ENVIRON International Corporation (a division of APBI Environmental Sciences Group, Inc.) (ENVIRON) was retained by Skadden, Arps, Slate, Meagher & Flom (Skadden) to conduct a limited Phase II environmental assessment of four current facilities of MDT Corporation and its subsidiaries (MDT). The four facilities were identified during an environmental assessment of seven facilities currently operated by MDT as having potentially significant issues associated with present or past storage, handling, or disposal of petroleum products and hazardous substances. Based on the results of the Phase I assessment, a plan was developed to perform a limited Phase II assessment to investigate potential soil and/or ground water contamination at the following sites: MDT Biologic Company in Henrietta, New York; MDT Biologic Company in Mercersburg, Pennsylvania; and two facilities (the "Plant" and the "Annex") operated by MDT Diagnostic Company located in North Charleston, South Carolina.

The purpose of this limited Phase II assessment was to investigate whether soil and/or ground water has been impacted by present or past site activities in identified areas of potential concern to the extent that could result in potentially significant liabilities or compliance costs. In the context of this report, the term "potentially significant" is generally used to describe areas of concern that could reasonably result in liabilities or compliance costs in excess of \$25,000. This limited Phase II assessment was not intended as a comprehensive, site-wide environmental investigation of each site. Rather, due to time and cost constraints, this assessment specifically targeted areas judged to have the highest likelihood of being impacted by present or past site activities. ENVIRON's conclusions about the relative significance of areas of concern are based primarily upon our professional judgment and are meant to provide some guidance in areas of uncertainty.

The purpose of this report is to describe the scope of work performed to complete this assessment and to present the results of the limited Phase II assessment.

Getinge Confidential
Information

II. SUMMARY OF CONCLUSIONS

ENVIRON performed a limited Phase II environmental assessment of four facilities of the MDT Corporation. ENVIRON's conclusions based on the results of this assessment are summarized in this chapter.

Henrietta, New York

- Soil gas sampling at 12 on-site locations detected a relatively low level of tetrachloroethene (PCE) at one location, while no chlorinated VOCs were detected at the other eleven sampling locations. The one sampling location where PCE was detected in soil gas was in the area where the sand filter beds of the former wastewater treatment system had been located. Methane was detected at 5 of the 12 soil gas sampling locations, but does not appear to represent a significant environmental concern.
- Ground water samples collected at seven locations at the site detected VOCs at two locations that exceeded the New York State Department of Environmental Conservation (NYSDEC) Ambient Water Quality Standards. One ground water sampling location immediately downgradient from the detention pond in the northeast corner of the site, detected trichloroethene (TCE) up to 1,500 $\mu\text{g}/\text{L}$ and cis-1,2-dichloroethene (cis-1,2-DCE) at 48 $\mu\text{g}/\text{L}$. A second location, near the former wastewater treatment system sand filter beds, contained TCE at up to 16 $\mu\text{g}/\text{L}$ and cis-1,2-DCE at 63 $\mu\text{g}/\text{L}$. Due to the limited scope of the sampling conducted and the lack of site-specific information on ground water flow directions, the likely sources, extent and potential for migration of the detected VOCs are not certain. Additional site investigation activities are necessary to further evaluate the potential environmental issues associated with ground water at this site.
- The results of three soil samples did not detect any VOCs at levels above NYSDEC soil criteria. Due to the uncertainty about the source or sources of contamination,

additional source area investigations may be necessary once more detailed information on ground water flow directions and ground water quality are available.

III. HENRIETTA, NEW YORK

A. Introduction

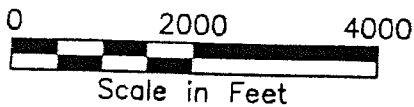
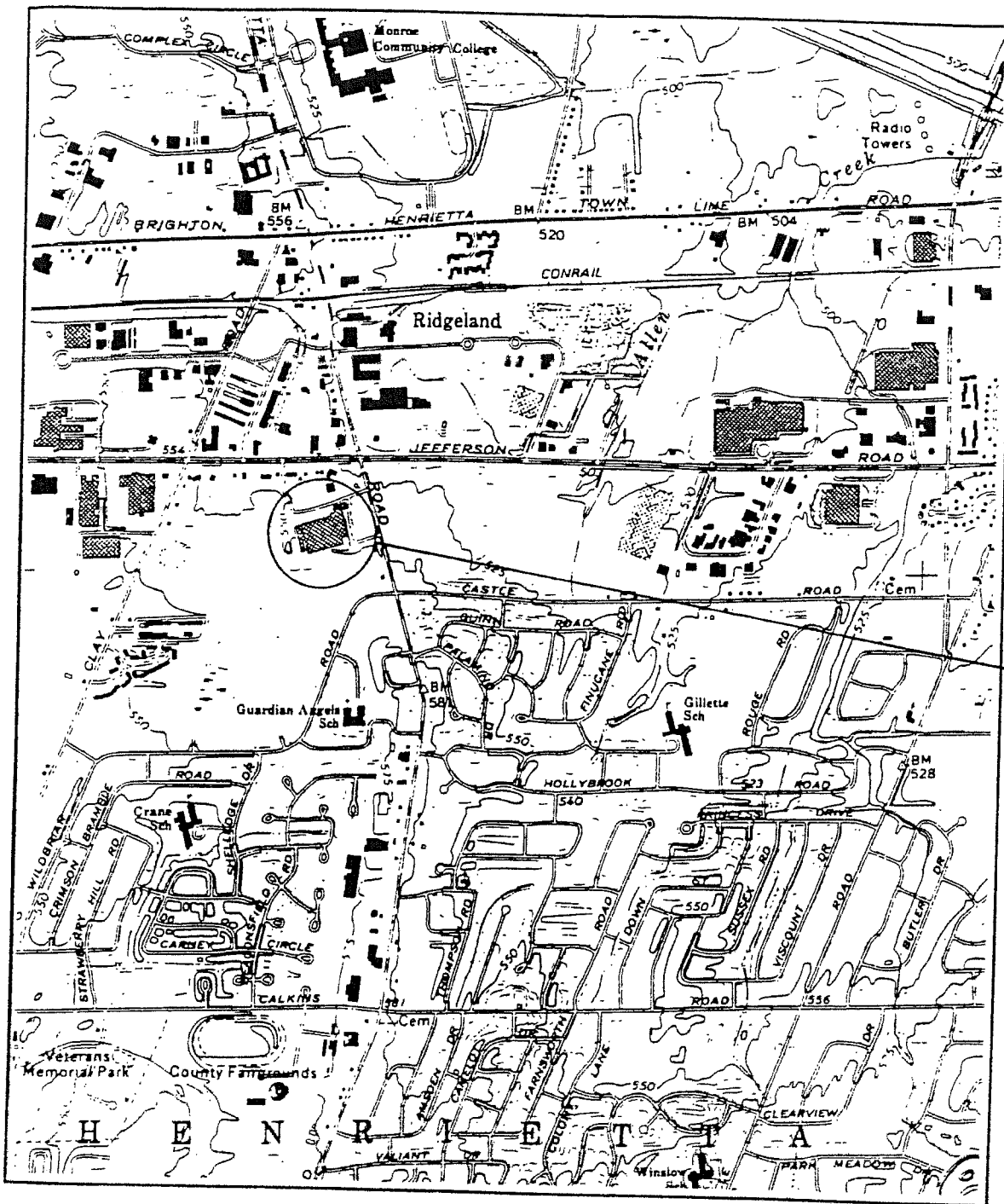
MDT Biologic Company currently owns and operates a manufacturing facility at 1777 East Henrietta Road, Henrietta, New York ("the facility"). The results of a Phase I environmental assessment of the facility recently conducted by ENVIRON, identified areas of potential environmental concern related to the current and/or past operations at the facility. As a follow-up to the Phase I assessment, ENVIRON conducted a Phase II assessment between April 4 and 6, 1996. The Phase II assessment included soil gas, soil, and ground water sampling to evaluate the impact to soil and ground water at 12 on-site locations. Sampling locations were biased towards the area north and east of the facility, and downgradient of metal plating operations, the hazardous waste storage area, and the former wastewater treatment system. This chapter presents the results of ENVIRON's Phase II investigation. The following sections provide a description of the facility, areas of potential environmental concern, a description of the sampling activities conducted, and the analytical results and conclusions developed, based on those results.

B. Site Description

1. Site Setting

The facility is located in a mainly commercial area of Henrietta, New York. Figure III-1 is a site location map showing the general facility location. Interstate 390 bounds the south side of the facility, with a mainly residential area located south of the interstate. East Henrietta Road bounds the east side of the facility and adjacent to the north side are a number of commercial establishments lining Jefferson Road, including a nursery, a software distribution company, a muffler shop, an automotive oil change shop, and restaurants.

The facility consists of two buildings situated on approximately 33 acres of land. The main building contains office space, and production and manufacturing operations. The smaller research and development building contains office space, product testing and laboratory areas. The majority of the area to the north, east, and south of the



SCALE: 1 INCH = 2,000 FEET
CONTOUR INTERVAL: 5 FEET

SOURCE: USGS PITTSFORD, NY TOPOGRAPHIC QUADRANGLE, 7.5 MINUTE SERIES, 1971, PHOTOREVISED 1978.

ENVIRON

FACILITY LOCATION MAP
MDT BIOLOGIC COMPANY
1777 E. HENRIETTA ROAD - HENRIETTA, NY

FIGURE
III-1

DRAFTED BY: KP/JT

DATE: 4/17/96

5090AJ02

main building is paved with asphalt parking lots and roadways. A detention pond is located on the northeast corner of the property. A large section of the remainder of the property located to the west side of the facility buildings is undeveloped. This area reportedly received soil excavated during the construction of Interstate 390.

The buildings at the facility sit atop a flat area that slopes down to the north, east, and south. The undeveloped area to the west of the buildings sits at a higher elevation than the rest of the site.

2. Site History and Operations

The MDT facility in Henrietta, New York currently fabricates, assembles, and tests medical products including sterilizer units; sanijet washers; rinser dryers; and stools, intravenous stands, and other similar items. The facility also operates a biological laboratory in which bacteria are harvested and impregnated onto strips that are used to test the effectiveness of sterilizer units. The site has been used for manufacturing operations since 1954. Prior to manufacturing operations, the site was used as an airport. Available information indicates that farming or agricultural activities likely took place prior to the construction of the airport.

The original facility was constructed in 1954 by Wilmot Castle Company for the manufacture of sheet metal specialty products. Since 1954 it has been enlarged by construction additions at various times during its operational history and has been owned by two separate corporations. MDT purchased the property and the facility in 1987 and has continued operations to the present time.

Various chemicals have been used on-site in the manufacturing operations. 1,1,1-Trichloroethane (TCA) was used on-site for degreasing operations for an undetermined period of time, ending in July 1995 when an aboveground vapor degreasing tank located in the plating department was reportedly removed from service and from the site. Historical use of other degreasing solvents dating back to the mid-1950s is not known.

C. Surface Drainage, Regional Hydrogeology and Geology

Surface drainage from a majority of the site is directed to the detention pond on the northeast corner of the property. A series of swales, storm water collection drains, and underground drainage conduits situated around the outdoor areas of the facility collect storm water and convey it to the pond. From the pond, drainage is reportedly discharged underneath East Henrietta Road and Jefferson Road to what appears to be an intermittent tributary of Allen Creek. Allen Creek eventually discharges into the Erie Canal, which is approximately 1.25 mile northeast of the facility. Drainage from the undeveloped part of the site most likely

either infiltrates into the ground or runs off onto adjacent areas. A smaller pond was formerly present off the south side of the main building. This former pond may have been used to collect storm water from the south side of the site. Currently, a swale collects storm water from the south side of the site and conveys it to the detention pond.

Based on a review of regional ground water elevation contours for the general area in which the facility is located, the direction of ground water flow in the vicinity of the facility is generally towards the northeast. As noted during the Phase II investigation, depth-to-ground water at the facility is approximately 19 to 26 feet below ground surface.

The upper geologic unit (overburden) at the facility consists of glacial till which extends from the ground to approximately 50 to 100 feet below ground surface. As noted during the Phase II investigation, from 0 to 5 feet below ground surface the glacial till is made up of silty clay with angular gravel- and boulder-sized rock fragments. Bedrock underlies the till. The top of bedrock in the area of the facility is estimated to be approximately 75 feet below ground surface.

D. Areas of Potential Environmental Concern

During the Phase I assessment of the facility, ENVIRON identified several areas of potential concern related to soil and/or ground water contamination at the facility. The objectives of the Phase II investigation were to investigate four main areas of potential environmental concern:

- The former presence and operation of an on-site wastewater treatment system from 1955 to some time in the late 1960s, which discharged treated wastewater to an on-site pond, and for which sludge disposal practices are unknown;
- Current and past degreasing and metal plating/finishing operations on-site since 1954;
- The reported historical disposal of sludge generated from the plating/finishing operations in an area described as being located in the vicinity of Interstate 390 adjacent to the south side of the facility; and
- An outdoor hazardous waste storage facility in an area not having secondary containment.

The wastewater treatment system--which consisted of a pumphouse, a clarigester, two sand beds, a sludge drying bed, and an effluent discharge into a small on-site impoundment--

reportedly treated all wastewater from the facility from the time the facility began operation in 1955 until the time it was hooked to the sanitary sewer in approximately 1960. Based on facility drawings provided by MDT, the sand beds and the sludge drying beds were underlain by soil. Given the existence of degreasing and metal plating operations at the facility since 1955, there is the potential that chlorinated solvents may have been present in the wastewater discharged into the treatment system and that there may be residual soil and/or ground water contamination resulting from that operation.

The current metal plating operation at the facility is reportedly smaller than that operation has been in the past. Until July 1995, a vapor degreaser was operated that reportedly used TCA as the degreasing agent. The degreaser was located in the plating area. Trenches are also present within the plating area. According to MDT, there has been no evaluation of the integrity of the trenches or drains in the plating area. The potential exists that releases of chlorinated solvents or plating solutions may have occurred within the plating room.

Facility personnel have reported that the facility historically disposed of plating/finishing sludge by dumping it at a location that is now covered by Interstate 390. The construction of Interstate 390 is believed to have occurred in the mid-1970s. During the construction, soil from the construction area was excavated and reportedly deposited in the area to the west of the facility buildings (in the western corner of the property). Aerial photographs from 1976 show the apparent increase in height of this western portion of the property. Currently, the western area of the property still sits at a higher elevation than the rest of the site, and is undeveloped.

The facility has an outdoor waste storage area located on the north side of the main building. This area does not have any secondary containment. According to facility plans, this area may have been used for chemical or waste storage since 1955.

E. Description of Phase II Site Investigation

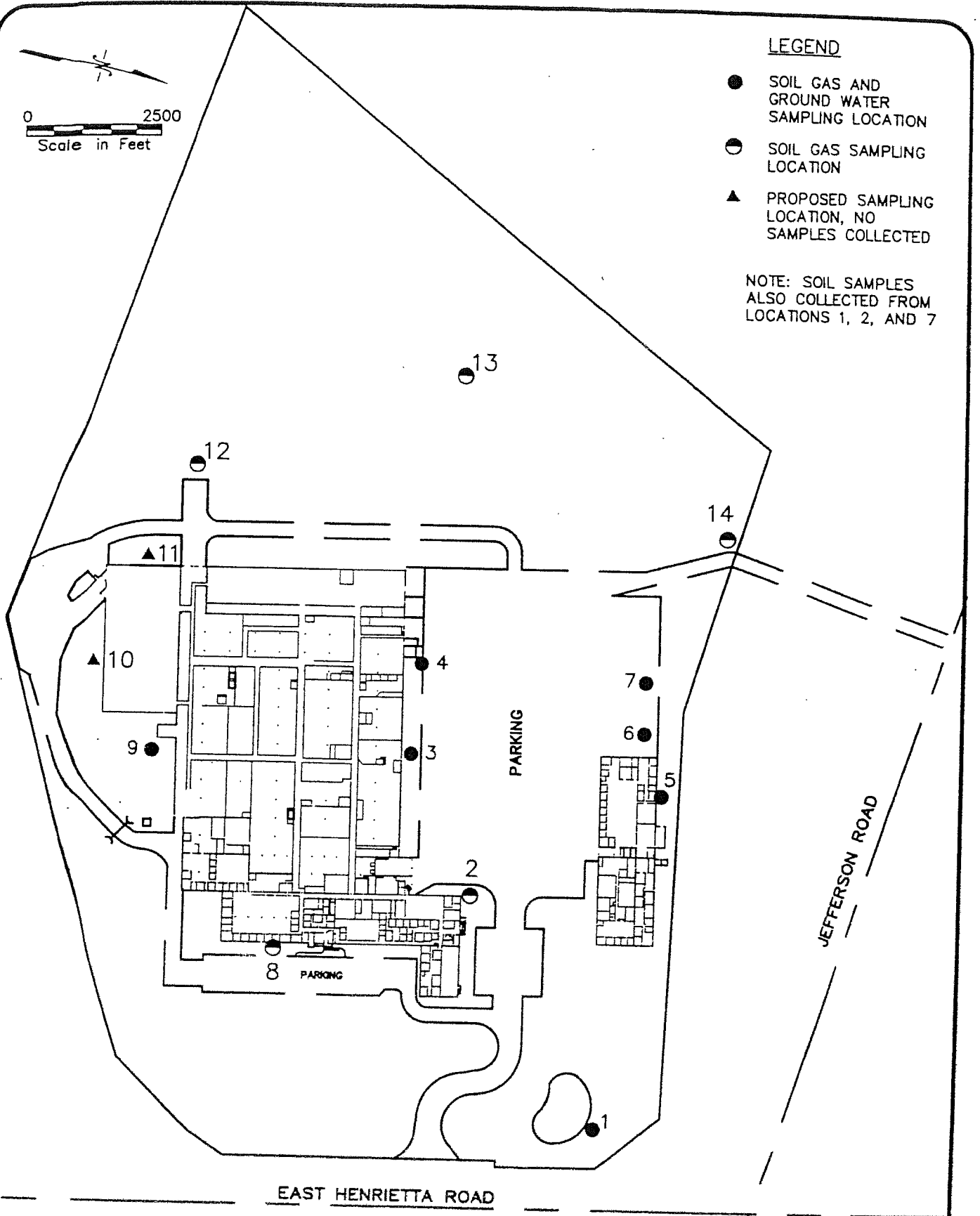
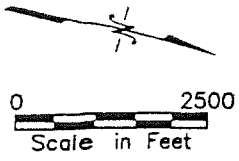
1. Introduction

ENVIRON performed a limited investigation at this site from April 4 through 6, 1996, to evaluate soil and ground water quality. This investigation included the collection and analysis of 13 soil gas samples, 7 ground water samples, and 3 soil samples from 12 on-site locations. The sampling locations were biased toward the potential areas of concern discussed above. The locations are shown on Figure III-2, and the types of samples collected and analyzed at each location are summarized in Table III-1. Originally, a total of 14 sampling locations were proposed for soil gas and ground water sampling. However, the geologic nature of the overburden (glacial boulders within the till

LEGEND

- SOIL GAS AND GROUND WATER SAMPLING LOCATION
- SOIL GAS SAMPLING LOCATION
- ▲ PROPOSED SAMPLING LOCATION, NO SAMPLES COLLECTED

NOTE: SOIL SAMPLES ALSO COLLECTED FROM LOCATIONS 1, 2, AND 7



ENVIRON

DRAFTED BY: MM/SM/JT | DATE: 4/17/96

PHASE II SAMPLING LOCATIONS
MDT BIOLOGIC COMPANY
1777 E. HENRIETTA ROAD; HENRIETTA, NY

FIGURE
III-2

TABLE III-1
Summary of Sampling Locations and Analyses Conducted
MDT Biologic Company, Henrietta, NY

Sampling Location	On-Site Mobile Laboratory Analysis			Confirmatory Off-Site Laboratory Analysis	
	Soil Gas	Soil	Ground Water	Soil	Ground Water
1	X	X	X		X
2	X*	X			
3	X		X		X
4	X		X		
5	X		X		
6	X		X		X
7	X		X	X	X
8	X				
9	X		X		
10					
11					
12	X				
13	X				
14	X				

Note:

* - Two soil gas samples were collected from 6 feet and 13 feet below ground surface.

which made it difficult to advance the Geoprobe ground water sampling rod into the ground to the depth of the ground water table) and time constraints on sampling activities precluded the collection of soil gas and ground water samples from all locations.

Soil gas, ground water, and soil samples were collected and analyzed on-site for volatile organic compounds (VOCs), using a mobile laboratory. In addition, selected ground water samples and a soil sample were sent to an off-site laboratory for confirmatory analysis of VOCs. The following sections describe the procedures and methodology for collecting the various samples.

2. Soil Gas Sampling Procedures

ENVIRON collected 13 soil gas samples from 12 locations on-site, as shown on Figure III-2. The samples were collected using a "direct push" (Geoprobe) technique. A 1-inch internal diameter stainless steel vapor sampling probe was advanced to approximately 6 feet below ground surface using a Geoprobe GH-40 rig. The probe was then retracted approximately 6 to 12 inches to expose a section of soil to the vapor sampling port at the bottom of the probe. Dedicated Teflon tubing was connected to the vapor sampling port, and above the ground the tubing was attached to a single-use, Tedlar™ sample bag. Soil gas was drawn and collected into the bag by applying a vacuum to the bag. After collection, the samples were immediately stored in a refrigerator at 4 degrees C. The soil gas sampling probe was decontaminated between sampling locations to prevent cross-contamination of samples.

The soil gas was analyzed for VOCs at the on-site mobile laboratory operated by Environmental Management Associates, Inc. (EMA). The mobile laboratory utilized a laboratory grade gas chromatograph (GC) and a purge and trap methodology similar to USEPA method 601/602, for the analysis of VOCs. The GC was equipped with two columns, a capillary column and a molecular sieve column. VOCs (other than methane) were detected on a photoionization detector (PID) and a dry electrolytic conductivity detector (ELCD or Hall Detector), using the capillary column. Methane was detected on a flame ionization detector (FID), with direct injection onto the molecular sieve column. Table III-2 lists VOCs for which analyses were conducted using the on-site laboratory.

3. Ground Water Sampling Procedures

ENVIRON collected seven ground water samples at seven locations on-site, as shown in Figure III-2. The samples were collected using a "direct push" (Geoprobe) technique. Because of the presence of glacial boulders in the overburden, it was necessary to pre-probe at each location before installing the ground water sampling rod. First, a heavy-

duty steel rod was driven into the ground and removed in order to create a temporary borehole. Then a slightly larger diameter, thin-walled ground water sampling rod, having inlets for water in the bottom 4 feet of rod, was driven into the pre-probed borehole. At each sampling location it was necessary to make two or three attempts to drive the rods past any potential boulders and cobbles and to a sufficient depth to intersect the ground water table. The difficulties encountered by the geologic nature of the overburden permitted ground water samples to be collected from only seven locations during the Phase II investigation. All heavy-duty and ground water sampling rods were decontaminated between sampling locations to prevent cross-contamination of samples.

Ground water was collected using 3-foot long, 1/2-inch diameter disposable Teflon bailers. Samples were contained in pre-preserved vials shipped from Lancaster Laboratories, in Lancaster, Pennsylvania. Immediately after sample collection, the sample vials were placed in a cooler and stored on ice or stored in the refrigerator in the on-site mobile laboratory. The ground water samples from all seven locations were analyzed for VOCs listed in Table III-2 (excluding methane), using the on-site mobile laboratory described above. To conduct the analysis, approximately 5 ml of sample water was placed in a dedicated sparging vessel. The sample water was then sparged with helium gas. The carrier gas and liberated VOCs were then analyzed using the GC.

To confirm the results of the on-site analysis, four ground water samples from locations 1, 3, 6, and 7 were sent to Lancaster Laboratories for VOC analysis using EPA method 8240. The VOC analysis included a library search of up to 25 tentatively identified compounds (TICs).

4. Soil Sampling Procedures

Soil samples were collected at three locations (numbers 1, 2, and 7, as shown on Figure III-2) using the Geoprobe GH-40 rig. To collect the soil, a 2-inch diameter, 4-foot long stainless steel rod, containing an internal disposable acetate sleeve, was driven into the ground to a depth of 4 feet with the Geoprobe system. A soil core was retained in the acetate sleeve when the rod was pulled out of the ground. Each soil core was screened for the presence of VOCs using an organic vapor meter (OVM), and the geologic description of the soil was logged by an ENVIRON geologist. Soil was collected from the 18- to 24-inch depth interval of each core and placed in sample jars. The jars were stored on ice in a cooler, pending analysis.

TABLE III-2
Summary of Compounds Analyzed
Using On-Site Mobile Laboratory
MDT Biologic Company, Henrietta, NY

Compounds
1,1-Dichloroethene
Methylene chloride
trans-1,2-Dichloroethene
1,1-Dichloroethane
Chloroform
1,2-Dichloroethane
1,1,1-Trichloroethane
Benzene
Carbon tetrachloride
1,2-Dichloropropane
Bromodichloromethane
Trichloroethene
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
Toluene
Chlorodibromomethane
Tetrachloroethene
Chlorobenzene
Ethylbenzene
m,p-Xylene
Bromoform
1,1,2,2-Tetrachloroethane
o-Xylene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1,2-Dichlorobenzene
Methane
Note:
Methane was only analyzed in soil gas samples, and not in ground water or soil samples.

Soil samples from locations 1 and 2 were analyzed for VOCs listed in Table III-2 (excluding methane) using the on-site mobile laboratory described above. To analyze the soil, approximately 1 gram of soil was placed in a dedicated sparging vessel and covered with approximately 5 milliliters of water. The sample was then sparged in the same manner as that described above for ground water samples, with the carrier gas and liberated VOCs analyzed using the GC.

The soil sample collected from location 7 was sent off-site to Lancaster Laboratories for VOC analysis using EPA method 8240.

F. Phase II Investigation Results

1. Soil Gas Sampling Results

Results from soil gas sampling are presented in Table III-3. EMA's report of the analyses is provided in Appendix A. As shown in Table III-3, only one soil gas sampling location was found to have detectable VOCs other than methane. Tetrachloroethene (PCE) (1.97 - 2.27 ppmv in duplicate analyses) was detected in the sample collected from location 7, which is in the area of the sand filters of the former wastewater treatment system. VOCs were detected in six samples collected from five unique locations. Methane was detected in samples collected from locations 2 (3.2 ppmv) and 3 (61.1 ppmv), which are downgradient of the main plant and the main sanitary sewer line, and in the sample from location 7 (50.6-61.90 ppmv). Methane (49.5 - 103 ppmv) was also detected in the soil gas at locations 12 and 13, in the area of the soil that was excavated during the construction of Interstate 390.

Although methane was detected in the soil gas from several locations on-site, its presence at low concentrations, especially in the area of the sanitary sewer line, does not appear to represent a significant environmental concern. The presence of PCE at location 7 may be related to the operation of the former wastewater treatment system, and may indicate some impact to soil and/or ground water at this location. A ground water sample collected at this location was found to contain trichloroethene (TCE) and cis-1,2-dichloroethene (cis-1,2-DCE), as discussed below. A soil sample collected at this location from 18 to 24 inches below ground surface was found to contain only a trace level of TCE, below the method detection limit.

TABLE III-3
Summary of Soil Gas Sampling Results
from On-Site Mobile Laboratory Analysis
MDT Biologic Company, Henrietta, NY

Sampling Location ENVIRON Sample ID Sampling Depth Collection Date Comments	1 0101-SG01 6 feet 04/04/96	2 0201-SG01 6 feet 04/04/96	2 0201-SG02 13 feet 04/06/96	3 0301-SG01 6 feet 04/06/96	4 0401-SG01 6 feet 04/04/96	5 0501-SG01 6 feet 04/05/96	6 0601-SG01 6 feet 04/05/96	7 0701-SG01 6 feet 04/05/96
Volatile Organic Compounds								
Methane	ND	ND	3.20	61.10	ND	ND	ND	50.60
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	1.97

Notes:
 All concentrations reported in parts per million per volume (ppmv).
 Only those compounds detected in one or more of all soil gas samples are listed.

TABLE III-3 (Continued)
Summary of Soil Gas Sampling Results
from On-Site Mobile Laboratory Analysis
MDT Biologic Company, Henrietta, NY

Sampling Location ENVIRON Sample ID Sampling Depth Collection Date Comments	7	8	9	12	13	14
	0701-SG02 6 feet 04/05/96 Duplicate	0801-SG01 6 feet 04/05/96	0901-SG01 6 feet 04/05/96	1201-SG01 6 feet 04/06/96	1301-SG01 6 feet 04/06/96	1401-SG01 6 feet 04/06/96
Volatiles Organic Compounds						
Methane	61.90	ND	ND	103.50	49.50	ND
Tetrachloroethene	2.27	ND	ND	ND	ND	ND
Notes:						
All concentrations reported in parts per million per volume (ppmv). Only those compounds detected in one or more of all soil gas samples are listed.						

2. Ground Water Sampling Results

Results for ground water samples analyzed using the on-site mobile laboratory, are presented in Table III-4. As shown in Table III-4, VOCs were detected at locations 1 and 7. Location 1 is downgradient of and adjacent to the detention pond on the northeast corner of the property. The on-site laboratory results detected chloroform (58 $\mu\text{g/L}$) and TCE (930 $\mu\text{g/L}$) at location 1 and TCE (14 $\mu\text{g/L}$) at location 7.

To confirm the results from the on-site laboratory analysis, four samples were sent off-site to Lancaster Laboratories for additional confirmatory analysis, as discussed above. Often, there can be variations between the data produced by a mobile (on-site) and a fixed (off-site) laboratory. The on-site laboratory utilizes a GC, which produces a chromatogram with peaks that represent the presence of various compounds as they elute from the GC column. The peaks are correlated to specific compounds based on the retention time of the peaks compared to the standards for those compounds. The off-site laboratory utilizes both a GC and Mass Spectrometer (MS) for compound determination. The GC-MS allows for more accurate identification and quantitation of compounds. Appendix B presents the laboratory analytical reports for off-site analyses.

Table III-5 presents the results for ground water sampling for samples analyzed off-site, at Lancaster Laboratories. As shown in Table III-5, VOCs, including acetone, TCE, total xylene, and cis-1,2-DCE were detected at locations 1, 3, and 7. At location 1, TCE (1,500 $\mu\text{g/L}$) and cis-1,2-DCE (48 $\mu\text{g/L}$) were detected at concentrations above the New York State Department of Environmental Conservation (NYSDEC) Ambient Water Quality Standards. At location 7, TCE (16 $\mu\text{g/L}$) and cis-1,2-DCE (63 $\mu\text{g/L}$) were also detected above NYSDEC standards. The presence of TCE and cis-1,2-DCE at these concentrations indicates that ground water in the area of the former wastewater treatment system and the detention pond has potentially been affected by present or former site activities. Due to the lack of site-specific ground water flow data, the source of these contaminants and the extent of their distribution at the site are uncertain.

3. Soil Sampling Results

The results from the on-site analysis of soil from locations 1 and 2 are shown in Table III-6. As indicated in Table III-6, no VOCs were detected in these samples. These samples were collected from a shallow depth (18 to 24 inches below ground surface) and the results suggest that there is not shallow subsurface soil contamination at those locations.

TABLE III-4
Summary of Ground Water Sampling Results
from On-Site Mobile Laboratory Analysis
MDT Biologic Company, Henrietta, NY

Sampling Location ENVIRON Sample ID Sampling Depth Collection Date Comment	1 0101-GS01 19 feet 04/06/96	3 0301-GS01 25.5 feet 04/04/96	4 0401-GS01 23 feet 04/04/96	5 0501-GS01 21.5 feet 04/05/96	6 0601-GS01 22 feet 04/05/96	7 0701-GS01 21.5 feet 04/05/96	9 0901-GS01 25 feet 04/05/96
Volatile Organic Compounds							
Chloroform	58.00	ND	ND	ND	ND	ND	ND
Trichloroethene	930.00	ND	ND	ND	ND	14	ND

Notes:

All concentrations reported in $\mu\text{g/L}$ or parts per billion (ppb).
 Only those compounds detected in one or more of all ground water samples are listed.

TABLE III-5
Summary of Ground Water Sampling Results
from Off-Site Laboratory Analysis
MDT Biologic Company, Henrietta, NY

Compounds	New York State Ambient Water Quality Standards* (µg/L)	Sampling Location		ENVIRON Sample ID		Sampling Depth		Collection Date		Comments	
		1	3	6	7	Field Blank	Trip Blank				
Volatiles Organic Compounds											
Acetone	50	ND									
Trichloroethene	5	1,500									
Xylene (total)	5	ND	13 J	ND	ND	ND	16	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	48	3 J	ND	ND	ND	ND	ND	ND	ND	ND
Tentatively Identified Volatile Organic Compounds											
1-Hexanol, 2-ethyl	NA	ND	96 J	21 J	ND	ND	ND	ND	ND	ND	ND
Unknown	NA	ND	ND	7 J	ND	ND	ND	ND	ND	ND	ND
Acetic acid, ethyl ester	NA	ND	ND	ND	6 J	ND	6 J	ND	ND	ND	ND

Notes: Water Quality Standards for Class GA fresh ground waters.

NA - Not Applicable.

ND - Not Detected.

J - Concentration detected at below method detection limit and reported as estimated value.

All concentrations reported in µg/L or parts per billion (ppb).

Only those compounds detected in one or more of all ground water samples are listed.

TABLE III-6
Summary of Soil Sampling Results
from On-Site Mobile Laboratory Analysis
MDT Biologic Company, Henrietta, NY

Sampling Location ENVIRON Sample ID Sampling Depth Collection Date Comments	1 0101-SS01 18-24 inches 04/04/96	2 0201-SS01 18-24 inches 04/04/96
Volatile Organic Compounds	ND	ND

Because of the presence of VOCs in the soil gas and ground water sample collected from location 7 and analyzed at the on-site mobile laboratory, one soil sample from location 7 was analyzed off-site at Lancaster Laboratories. The results from the off-site analysis of this sample are shown in Table III-7. As indicated in Table III-7, although trace levels of TCE and acetone were detected in that sample, no compounds were detected at concentrations above the New York State Recommended Soil Cleanup Objectives.

G. Conclusions

The results of the soil gas, soil, and ground water sampling at the MDT facility in Henrietta, New York indicated the following:

- Soil gas sampling at 12 on-site locations detected a relatively low level of PCE at one location, while no chlorinated VOCs were detected at the other 11 sampling locations. The one sampling location where PCE was detected in soil gas was in the area where the sand filter beds of the former wastewater treatment system had been located. Methane was detected at 5 of the 12 soil gas sampling locations, but does not appear to represent a significant environmental concern.
- Ground water samples collected at seven locations at the site detected VOCs at two locations that exceeded the NYSDEC Ambient Water Quality Standards. At one ground water sampling location immediately downgradient from the detention pond in the northeast corner of the site, TCE was detected at a concentration of 1,500 $\mu\text{g/L}$ and cis-1,2-DCE was detected at 48 $\mu\text{g/L}$. At a second location, near the former wastewater treatment system sand filter beds, TCE was detected at 16 $\mu\text{g/L}$ and cis-1,2-DCE at 63 $\mu\text{g/L}$. Due to the limited scope of the sampling conducted and the lack of site-specific information on ground water flow directions, the likely sources, extent and potential for migration of the detected VOCs are not certain. Additional site investigation activities are necessary to further evaluate the potential environmental issues associated with ground water at this site.
- The results of three soil samples did not detect any VOCs at levels above NYSDEC soil criteria. Due to the uncertainty about the source or sources of contamination, additional source area investigations may be necessary, once more detailed information on ground water flow directions and ground water quality are available.

**TABLE III-7
 Summary of Soil Sampling Results
 from Off-Site Laboratory Analysis
 MDT Biologic Company, Henrietta, NY**

Sampling Location ENVIRON Sample ID Sampling Depth Collection Date Comments		7 5090B-NY-0701-SB01 18-24 inches 04/05/96
Compounds	New York State Recommended Soil Cleanup Objectives ($\mu\text{g}/\text{kg}$ or ppb)	
Volatile Organic Compounds		
Acetone	200	21
Trichloroethene	700	2 J
Notes: All concentrations reported in $\mu\text{g}/\text{kg}$ or parts per billion (ppb). J - Concentration detected at below method detection limit and reported as estimated value. Only those compounds detected in the soil sample are listed.		

APPENDIX B

Lancaster Laboratories Analytical Reports, Henrietta, NY

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib > 5 um/ml	fibers greater than 5 microns in length per ml

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TIC's only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Past digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**Getinge Confidential
Information**

WARRANTY AND LIMITATION OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. We disclaim any other warranties, express or implied, including a Warranty of Fitness for Particular Purpose and Warranty of Merchantability. We accept no responsibility for the purpose for which the client uses the test results. No purchase order or other order for work shall be accepted by the company with any conditions that vary from our Standard Terms and Conditions. If Lancaster Laboratories performs work requested by the client, conditions at variance to our Standard Terms and Conditions are not part of the contract.



LLI Sample No. SW 2490298

Collected: 4/ 5/96 at 18:30 by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

5090B-NY-0701-SB01 Soil Sample

Skadden Arps - MDT-NY 02-5090B

701SB SDG#: MDT03-07

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090B
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT		
		RESULTS	LIMIT OF QUANTITATION	UNITS	RESULTS	LIMIT OF QUANTITATION	UNITS
4593	TCL Volatiles by 8240			See Page 2			
2111	Moisture	B:2	0.5	% by wt.			

"Moisture" represents the loss in weight of the sample after drying with an infrared lamp at 150 degrees Celsius.

1 COPY TO ENVIRON Corporation - NJ ATTN: Mr. Arthur Bozza
1 COPY TO Data Package Group

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300
05:44:10 D 0002 1 125557 . 510893
963 40.00 00052450 ASR000

Getinge Confidential
Information

Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681



LLI Sample No. SW 2490298

Collected: 4/ 5/96 at 18:30 by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

5090B-NY-0701-SB01 Soil Sample

Skadden Arps - MDT-NY 02-5090B

701SB SDG#: MDT03-07

Account No: 07546
 ENVIRON Corporation - NJ
 214 Carnegie Center, Suite 200
 Princeton NJ 08540

P.O. 02-5090B
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT		
		RESULTS	LIMIT OF QUANTITATION	UNITS	RESULTS	LIMIT OF QUANTITATION	
TCL Volatiles by 8240							
3434	Chloromethane	N.D.	5.	ug/kg	N.D.	5.	
3435	Bromomethane	N.D.	5.	ug/kg	N.D.	5.	
3436	Vinyl Chloride	N.D.	5.	ug/kg	N.D.	5.	
3437	Chloroethane	N.D.	5.	ug/kg	N.D.	5.	
3440	Methylene Chloride	N.D.	5.	ug/kg	N.D.	5.	
4074	Acetone	21	20.	ug/kg	23	22.	
4076	Carbon Disulfide	N.D.	5.	ug/kg	N.D.	5.	
1180	1,1-Dichloroethene	N.D.	5.	ug/kg	N.D.	5.	
3442	1,1-Dichloroethane	N.D.	5.	ug/kg	N.D.	5.	
3444	Chloroform	N.D.	5.	ug/kg	N.D.	5.	
3445	1,2-Dichloroethane	N.D.	5.	ug/kg	N.D.	5.	
4085	2-Butanone	N.D.	10.	ug/kg	N.D.	11.	
3446	1,1,1-Trichloroethane	N.D.	5.	ug/kg	N.D.	5.	
3447	Carbon Tetrachloride	N.D.	5.	ug/kg	N.D.	5.	
4091	Vinyl Acetate	N.D.	10.	ug/kg	N.D.	11.	
3448	Bromodichloromethane	N.D.	5.	ug/kg	N.D.	5.	
3450	1,2-Dichloropropane	N.D.	5.	ug/kg	N.D.	5.	
3454	cis-1,3-Dichloropropene	N.D.	5.	ug/kg	N.D.	5.	
1181	Trichloroethene	2.	5.	ug/kg	2.	5.	
3452	Dibromochloromethane	N.D.	5.	ug/kg	N.D.	5.	
3453	1,1,2-Trichloroethane	N.D.	5.	ug/kg	N.D.	5.	
1182	Benzene	N.D.	5.	ug/kg	N.D.	5.	
3451	trans-1,3-Dichloropropene	N.D.	5.	ug/kg	N.D.	5.	
3456	Bromoform	N.D.	5.	ug/kg	N.D.	5.	
4108	4-Methyl-2-pentanone	N.D.	10.	ug/kg	N.D.	11.	
4107	2-Hexanone	N.D.	10.	ug/kg	N.D.	11.	
3457	Tetrachloroethene	N.D.	5.	ug/kg	N.D.	5.	
3449	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/kg	N.D.	5.	
1183	Toluene	N.D.	5.	ug/kg	N.D.	5.	
1184	Chlorobenzene	N.D.	5.	ug/kg	N.D.	5.	
3458	Ethylbenzene	N.D.	5.	ug/kg	N.D.	5.	
4117	Styrene	N.D.	5.	ug/kg	N.D.	5.	
3355	Xylene (total)	N.D.	5.	ug/kg	N.D.	5.	
6187	trans-1,2-Dichloroethene	N.D.	5.	ug/kg	N.D.	5.	
6277	cis-1,2-Dichloroethene	N.D.	5.	ug/kg	N.D.	5.	

Questions? Contact your Client Services Representative
 Katherine A. Klinefelter at (717) 656-2300

Getinge Confidential Information

Respectfully Submitted
 Michele McClarin, B.A.
 Group Leader, GC/MS Volatiles



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax 717-656-2681



LLI Sample No. SW 2490298

Collected: 04/05/96 at 18:30 by CC

Submitted: 04/08/96

5090B-NY-0701-SB01 Soil Sample

Skadden Arps - MDT-NY 02-5090B
701SB SDG#: MDT03-07

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4593	TCL Volatiles by 8240	SW-846 8240B	1	04/10/96 1800	Trent S. Sprenkle
2111	Moisture	EPA 160.3 modified	1	04/11/96 0111	Lee L. Munro

Getinge Confidential Information



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681



LLI Sample No. WW 2489966

Collected: 4/ 4/96 at 13:30 by CC

Submitted: 4/ 8/96 Reported: 4/12/96
Discard: 4/27/96

5090B-NY-0301-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B
0301- SDG#: MDT03-01

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090B
Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
0890	VOA GC/MS Library Search			See Page 3
	The results from the volatile library search are listed on the attached FORM 1E - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.			
4592	TCL Volatiles by 8240 - Water			See Page 2

1 COPY TO ENVIRON Corporation - NJ ATTN: Mr. Arthur. Bozza
1 COPY TO Data Package Group

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300
05:41:41 D 0002 6 125557 510790
963 40.00 00055000 ASR000

**Getinge Confidential
Information**

Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681



LLI Sample No. WW 2489966

Collected: 4/ 4/96 at 13:30 by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

5090B-NY-0301-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B

0301- SDG#: MDT03-01

Account No: 07546
 ENVIRON Corporation - NJ
 214 Carnegie Center, Suite 200
 Princeton NJ 08540

P.O. 02-5090B
 Ret.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by B240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	13. J	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	N.D.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	3. J	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

Questions? Contact your Client Services Representative
 Katherine A. Klinefelter at (717) 656-2300

**Getinge Confidential
 Information**

Respectfully Submitted
 Michele McClarin, B.A.
 Group Leader, GC/MS Volatiles



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations



Page 3 of 4

IE
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

0301-

Lab Name: LANCASTER LABS Contract: _____
 Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 2489966
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >DA930
 Level: (low/med) LOW Date Received: 04/08/96
 % Moisture: not dec. Date Analyzed: 04/10/96
 Column: (pack/cap) CAP Dilution Factor: 1.0
 Number TICs found: 1 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 104767	1-Hexanol, 2-ethyl-	19.91	96.	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				

FORM I VOA-TIC

Getinge Confidential Information

MEMBER
ACIL
Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles
See reverse side for explanation of symbols and abbreviations
2216 Rev 10/30/95



LLI Sample No. WW 2489966

Collected: 04/04/96 at 13:30 by CC

Submitted: 04/08/96

5090B-NY-0301-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B

0301- SDG#: MDT03-01

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/10/96 0806	David P. Chandler, Jr.

Getinge Confidential Information



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

See reverse side for explanation of symbols and abbreviations

2216 Rev 10/30/95





LLI Sample No. WW 2489967

Collected: 4/ 5/96 at 17:45 by CC

Submitted: 4/ 8/96 Reported: 4/12/96
Discard: 4/27/96

5090B-NY-0601-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B
0601- SDG#: MDT03-02

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090B
Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
0890	VOA GC/MS Library Search			See Page 3
	The results from the volatile library search are listed on the attached FORM 1E - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.			
4592	TCL Volatiles by 8240 - Water			See Page 2

1 COPY TO ENVIRON Corporation - NJ ATTN: Mr. Arthur Bozza
1 COPY TO Data Package Group

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300
05:41:57 D 0002 6 125557 510790
963 0.00 00051000 ASR000

**Getinge Confidential
Information**

Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681



LLI Sample No. WW 2489967

Collected: 4/ 5/96 at 17:45 by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

5090B-NY-0601-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B

0601- SDG#: MDT03-02

Account No: 07546
 ENVIRON Corporation - NJ
 214 Carnegie Center, Suite 200
 Princeton NJ 08540

P.O. 02-5090B
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	LIMIT OF QUANTITATION	
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	N.D.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

Questions? Contact your Client Services Representative
 Katherine A. Klinefelter at (717) 656-2300

**Getinge Confidential
 Information**

Respectfully Submitted
 Michele McClarin, B.A.
 Group Leader, GC/MS Volatiles



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681



Page 3 of 4

IE
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

0601-

Lab Name: LANCASTER LABS Contract: _____
 Lab Code: LANCASTER Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 2489967
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >DA931
 Level: (low/med) LOW Date Received: 04/08/96
 % Moisture: not dec. Date Analyzed: 04/10/96
 Column: (pack/cap) CAP Dilution Factor: 1.0
 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 104767	1-Hexanol, 2-ethyl-	19.93	21.	J
2.	Unknown	21.35	7.	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				

FORM I VOA-TIC

Getinge Confidential
Information

MEMBER
ACIL
Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles

See reverse side for explanation of symbols and abbreviations

2216 Rev 10/30/95



LLI Sample No. WW 2489967

Collected: 04/05/96 at 17:45 by CC

Submitted: 04/08/96

5090B-NY-0601-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B

0601- SDG#: MDT03-02

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

CAT	ANALYSIS NAME	METHOD	ANALYSIS TRIAL	DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/10/96 0912	Barbara B. Weaver

Getinge Confidential Information



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681



LLI Sample No. WW 2489968
 Collected: 4/ 5/96 at 20:30 by CC

Submitted: 4/ 8/96 Reported: 4/12/96
 Discard: 4/27/96

5090B-NY-0701-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B
 0701- SDG#: MDT03-03

Account No: 07546
 ENVIRON Corporation - NJ
 214 Carnegie Center, Suite 200
 Princeton NJ 08540

P.O. 02-5090B
 Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
0890	VOA GC/MS Library Search			See Page 3
	The results from the volatile library search are listed on the attached FORM 1E - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.			
4592	TCL Volatiles by 8240 - Water			See Page 2

1 COPY TO ENVIRON Corporation - NJ ATTN: Mr. Arthur Bozza
 1 COPY TO Data Package Group

Questions? Contact your Client Services Representative
 Katherine A. Klinefelter at (717) 656-2300
 05:42:16 D 0002 6 125557 510790
 963 0.00 00051000 ASR000

Getinge Confidential Information

Respectfully Submitted
 Michele McClarin, B.A.
 Group Leader, GC/MS Volatiles



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax 717-656-2681



LLI Sample No. WW 2489968

Collected: 4/ 5/96 at 20:30 by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

5090B-NY-0701-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B

0701- SDG#: MDT03-03

Account No: 07546
 ENVIRON Corporation - NJ
 214 Carnegie Center, Suite 200
 Princeton NJ 08540

P.O. 02-5090B
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	16	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	63	5.	ug/l

Questions? Contact your Client Services Representative
 Katherine A. Klinefelter at (717) 656-2300

**Getinge Confidential
 Information**

Respectfully Submitted
 Michèle McClarin, B.A.
 Group Leader, GC/MS Volatiles



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax. 717-656-2681



LLI Sample No. WW 2489968
Collected: 04/05/96 at 20:30 by CC
Submitted: 04/08/96

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

5090B-NY-0701-GW01 Water Sample
Skadden Arps - MDT-NY 02-5090B
0701- SDG#: MDT03-03

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/10/96 0949	Barbara B. Weaver

Getinge Confidential Information



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681



Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2489969

Collected:

Submitted: 4/ 8/96 Reported: 4/12/96
Discard: 4/27/96

5090B-NY-TB01-040696 Water Sample

Skadden Arps - MDT-NY 02-5090B
TB406 SDG#: MDT03-04TB

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090B
Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
0890	VOA GC/MS Library Search			See Page 3
	The results from the volatile library search are listed on the attached FORM 1E - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.			
4592	TCL Volatiles by 8240 - Water			See Page 2

1 COPY TO ENVIRON Corporation - NJ
1 COPY TO Data Package Group

ATTN: Mr. Arthur Bozza

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300
05:42:37 D 0002 6 125557 510790
963 0.00 00051000 ASR000

Getinge Confidential
Information

Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681



LLI Sample No. WW 2489969
Collected:

Submitted: 4/ 8/96 Reported: 4/12/96
Discard: 4/27/96

5090B-NY-TB01-040696 Water Sample

Skadden Arps - MDT-NY 02-5090B
TB406 SDG#: MDT03-04TB

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090B
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	N.D.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300

**Getinge Confidential
Information**

Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681



Page 3 of 4

IE

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TB406

Lab Name: LANCASTER LABS Contract: _____
 Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 2489969
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >DA933
 Level: (low/med) LOW Date Received: 04/08/96
 % Moisture: not dec. Date Analyzed: 04/10/96
 Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				

FORM I VOA-TIC

Getinge Confidential Information



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles

See reverse side for explanation of symbols and abbreviations

2216 Rev 10/30/95

&&&



LLI Sample No. WW 2489969

Collected:

Submitted: 04/08/96

5090B-NY-TB01-040696 Water Sample

Skadden Arps - MDT-NY 02-5090B
TB406 SDG#: MDT03-04TB

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS TRIAL	DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/10/96 1031	Barbara B. Weaver

Getinge Confidential Information



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681



LLI Sample No. WW 2489970

Collected: 4/ 6/96 at 07:00 by CC

Submitted: 4/ 8/96 Reported: 4/12/96
Discard: 4/27/96

5090B-NY-FB01-040696 Water Sample

Skadden Arps - MDT-NY 02-5090B
FB406 SDG#: MDT03-05FB

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090B
Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
0890	VOA GC/MS Library Search			See Page 3
	The results from the volatile library search are listed on the attached FORM 1E - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.			
4592	TCL Volatiles by 8240 - Water			See Page 2

1 COPY TO ENVIRON Corporation - NJ ATTN: Mr. Arthur Bozza
1 COPY TO Data Package Group

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300
05:42:58 D 0002 6 125557 510790
963 0.00 00051000 ASR000

Getinge Confidential Information

Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681



LLI Sample No. WW 2489970

Collected: 4/ 6/96 at 07:00 by CC

Submitted: 4/ 8/96 Reported: 4/12/96

Discard: 4/27/96

5090B-NY-FB01-040696 Water Sample

Skadden Arps - MDT-NY 02-5090B

FB406 SDG#: MDT03-05FB

Account No: 07546
 ENVIRON Corporation - NJ
 214 Carnegie Center, Suite 200
 Princeton NJ 08540

P.O. 02-5090B
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	N.D.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

Questions? Contact your Client Services Representative
 Katherine A. Klinefelter at (717) 656-2300

Getinge Confidential Information

Respectfully Submitted
 Michele McClarin, B.A.
 Group Leader, GC/MS Volatiles



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fa: 717-656-2681



Lancaster Laboratories
A Thermo Analytical Laboratory

Page 3 of 4

IE

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FB406

Lab Name: LANCASTER LABS Contract: _____
 Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 2489970
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >DA934
 Level: (low/med) LOW Date Received: 04/08/96
 % Moisture: not dec. Date Analyzed: 04/10/96
 Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				

FORM I VOA-TIC

**Getinge Confidential
Information**



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles

See reverse side for explanation of symbols and abbreviations.

2215 Rev 10/30/95



LLI Sample No. WW 2489970

Collected: 04/06/96 at 07:00 by CC

Submitted: 04/08/96

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

5090B-NY-FB01-040696 Water Sample

Skadden Arps - MDT-NY 02-5090B
FB406 SDG#: MDT03-05FB

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/10/96 1108	Barbara B. Weaver

Getinge Confidential Information



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-556-2300 Fax 717-656-2681



LLI Sample No. WW 2489971
Collected: 4/ 6/96 by CC

Submitted: 4/ 8/96 Reported: 4/12/96
Discard: 4/27/96

5090B-NY-0101-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B
0101- SDG#: MDT03-06

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090B
Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
0890	VOA GC/MS Library Search			See Page 4
	The results from the volatile library search are listed on the attached FORM 1E - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.			
4592	TCL Volatiles by 8240 - Water			See Page 2

1 COPY TO ENVIRON Corporation - NJ ATTN: Mr. Arthur Bozza
1 COPY TO Data Package Group

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300
05:43:19 D 0002 6 125557 510790
963 0.00 00051000 ASR000

Getinge Confidential Information

Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681



LLI Sample No. WW 2489971
 Collected: 4/ 6/96 by CC

Submitted: 4/ 8/96 Reported: 4/12/96
 Discard: 4/27/96

5090B-NY-0101-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B
 0101- SDG#: MDT03-06

Account No: 07546
 ENVIRON Corporation - NJ
 214 Carnegie Center, Suite 200
 Princeton NJ 08540

P.O. 02-5090B
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	10.	ug/l
1257	Bromomethane	N.D.	10.	ug/l
3492	Vinyl Chloride	N.D.	10.	ug/l
3494	Chloroethane	N.D.	10.	ug/l
3497	Methylene Chloride	N.D.	10.	ug/l
3498	Acetone	N.D.	40.	ug/l
3499	Carbon Disulfide	N.D.	10.	ug/l
3500	1,1-Dichloroethane	N.D.	10.	ug/l
3501	1,1-Dichloroethane	N.D.	10.	ug/l
3503	Chloroform	N.D.	10.	ug/l
3504	1,2-Dichloroethane	N.D.	10.	ug/l
3516	2-Butanone	N.D.	20.	ug/l
3505	1,1,1-Trichloroethane	N.D.	10.	ug/l
3506	Carbon Tetrachloride	N.D.	10.	ug/l
3507	Vinyl Acetate	N.D.	20.	ug/l
3508	Bromodichloromethane	N.D.	10.	ug/l
3509	1,2-Dichloropropane	N.D.	10.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	10.	ug/l
3511	Trichloroethene	1,500.	10.	ug/l
3512	Dibromochloromethane	N.D.	10.	ug/l
3513	1,1,2-Trichloroethane	N.D.	10.	ug/l
3515	Benzene	N.D.	10.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	10.	ug/l
3518	Bromoform	N.D.	10.	ug/l
3521	4-Methyl-2-pentanone	N.D.	20.	ug/l
3520	2-Hexanone	N.D.	20.	ug/l
3522	Tetrachloroethene	N.D.	10.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	10.	ug/l
3524	Toluene	N.D.	10.	ug/l
3525	Chlorobenzene	N.D.	10.	ug/l
3526	Ethylbenzene	N.D.	10.	ug/l
3528	Styrene	N.D.	10.	ug/l
3529	Xylene (total)	N.D.	10.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	10.	ug/l
6268	cis-1,2-Dichloroethene	48.	10.	ug/l

Questions? Contact your Client Services Representative
 Katherine A. Klinefelter at (717) 656-2300

Getinge Confidential Information

Respectfully Submitted
 Michele McClarin, B.A.
 Group Leader, GC/MS Volatiles

MEMBER
 ACIL
 Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681



LLI Sample No. WW 2489971
Collected: 4/ 6/96 by CC

Submitted: 4/ 8/96 Reported: 4/12/96
Discard: 4/27/96

5090B-NY-0101-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B
0101- SDG#: MDT03-06

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

P.O. 02-5090B
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	LIMIT OF QUANTITATION	UNITS

TCL Volatiles by 8240 - Water

The sample for the GC/MS volatile analysis was received with headspace.

Due to the level of trichloroethene, the quantitation limits for all compounds were raised.

Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300

**Getinge Confidential
Information**

Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681



IE
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

0101-

Lab Name: LANCASTER LABS Contract: _____
Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: 2489971
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >DAA02
Level: (low/med) LOW Date Received: 04/08/96
% Moisture: not dec. Date Analyzed: 04/10/96
Column: (pack/cap) CAP Dilution Factor: 2.0
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L
Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				

FORM I VOA-TIC

Getinge Confidential
Information



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

Respectfully Submitted
Michele McClarin, B.A.
Group Leader, GC/MS Volatiles





LLI Sample No. WW 2489971
Collected: 04/06/96 by CC

Submitted: 04/08/96

5090B-NY-0101-GW01 Water Sample

Skadden Arps - MDT-NY 02-5090B
0101- SDG#: MDT03-06

Account No: 07546
ENVIRON Corporation - NJ
214 Carnegie Center, Suite 200
Princeton NJ 08540

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/10/96 1734	Lawrence M. Taylor

Getinge Confidential Information



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681



Lancaster Laboratories
A Thermo Analytical Laboratory

ENVIRON Corp

Please print. Instructions on reverse side correspond with circled numbers.

Client: (Skadden Arps) Acct. #: _____
 Project Name#: 02-5090B PWSID #: _____
 Project Manager: _____ P.O.#: _____
 Sampler: Caroline Czank Quote #: _____
 Name of state where samples were collected: _____

Sample ID	Time	Relinquished by	Relinquished by	Date	Time	Received by	Date	Time	For LLI use only
5090B-NY-0101-SB01	4/4/96 10:30 AM	✓	✓	4-2-96	15:45				FSC: 1081853
5090B-NY-0201-SB01	4/4 11:30 AM	✓	✓	4-6-96	12:30	Fedex			
5090B-NY-0301-SB01	4/4 1:00 PM	✓	✓						
5090B-NY-0401-SB01	4/4 3:00 PM	✓	✓						
5090B-NY-0501-SB01	4/5 2:30 PM	✓	✓						
5090B-NY-0601-SB01	4/5 3:30 PM	✓	✓						
5090B-NY-0701-SB01	4/5 6:30 PM	✓	✓						
5090B-NY-0801-SB01	4/5 7:20 AM	✓	✓						
5090B-NY-0301-GW01	4/4 1:30 PM	✓	✓						
5090B-NY-0401-GW01	4/4 3:15 PM	✓	✓						

5) VOCs and BTEX
for C. Czank
4/15/96
AT

HOLD ALL
SAMPLES
AT LAB
UNTIL FURTHER
NOTICE
TO ANALYZE
U
U
U

3) Turnaround Time Requested (TAT) (please circle): Normal Rush
 (Rush TAT is subject to LLI approval and surcharge.)
 Date results are needed: _____
 Rush results requested by (please circle): Phone Fax
 Phone #: _____ Fax #: _____

4) Data Package Options (please circle if requested)
 QC Summary Type VI SDG Complete? Yes No
 Type I (Tier I) GLP
 Type II (Tier II) Other
 Type III (NJ Red. Del.)
 Type IV (CLP)

Relinquished by: Caroline Czank
 Relinquished by: _____
 Relinquished by: _____
 Relinquished by: _____

Received by: _____
 Received by: _____
 Received by: _____
 Received by: _____

Date: _____
 Date: _____
 Date: _____
 Date: _____

Time: _____
 Time: _____
 Time: _____
 Time: _____

Internal Chain of Custody required? Yes No
 Site-specific QC required? Yes No
 (If yes, indicate QC sample and submit triplicate volume)
 Internal Chain of Custody required? Yes No

