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RESULTS OF PHASE III ENVIRONMENTAL ASSESSMENT OF MDT CORPORATION FACILITIES IN HENRIETTA, NEW YORK AND NORTH CHARLESTON, SOUTH CAROLINA

Prepared for

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I. INTRODUCTION

ENVIRON International Corporation (a division of APBI Environmental Sciences Group, Inc.) (ENVIRON) was retained by Skadden, Arps, Slate, Meagher & Flom (Skadden) to conduct a Phase III environmental assessment of two current facilities of MDT Corporation and its subsidiaries (MDT). The two facilities, which are the MDT Corporation facility in Henrietta, New York and the MDT Diagnostic Company "Plant" facility in North Charleston, South Carolina, were identified during a Phase I environmental assessment of seven facilities currently operated by MDT as having potentially significant issues associated with present or past storage, handling, or disposal of petroleum products and hazardous substances. Limited Phase II soil and ground water sampling was conducted at both sites during April 1996, and the results of that sampling identified the presence of volatile organic compounds (VOCs) in ground water at both sites at concentrations above applicable ground water criteria.

Based on the results of the Phase I and Phase II assessments, a plan was developed to perform Phase III assessments to confirm the results of the Phase II investigation and to further investigate the sources, extent, and significance of the identified ground water contamination at the two sites. This Phase III assessment was not intended as a comprehensive, site-wide environmental investigation of each site. Rather, due to time and cost constraints, this assessment specifically focused on the areas of ground water contamination previously detected at each site. ENVIRON's conclusions about the relative significance of areas of concern are based primarily upon our professional judgment and are meant to provide some guidance in areas of uncertainty.

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

II. SUMMARY OF CONCLUSIONS

ENVIRON performed a limited Phase III environmental assessment of two facilities of the MDT Corporation, located in Henrietta, New York and North Charleston, South Carolina. ENVIRON's conclusions based on the results of this assessment are summarized in this chapter.

Henrietta, New York

- The results of the Phase III investigation included the installation and sampling of seven monitoring wells at the site, and confirmed the preliminary results of the Phase II investigation, which indicated that ground water samples in two areas of the site contained volatile organic compounds (VOCs) that exceeded the New York State Department of Environmental Conservation (NYSDEC) Ambient Water Quality Standards. In the first area, located immediately downgradient from the detention pond in the northeast corner of the site, the Phase II sampling had detected trichloroethene (TCE) at 1,500 μg/L and cis-1,2-dichloroethene (cis-1,2-DCE) at 48 μg/L. In the Phase III investigation, MW01 was installed in the same area; a ground water sample from MW01 was found to contain TCE at up to 1,000 μg/L and cis-1,2-DCE at up to 14 μg/L. In the second area, near the former wastewater treatment system sand filter beds, the Phase II results had showed TCE at up to 16 μg/L and cis-1,2-DCE at 63 μg/L in a ground water sample. In the Phase III investigation, MW07 was installed in the same area; a ground water sample from MW07 was found to contain TCE at 200 μg/L and cis-1,2-DCE at 560 μg/L.

- Ground water samples collected from the other five wells at the site did not contain any VOCs at levels above the NYSDEC Ambient Water Quality Standards, suggesting that the contamination detected in wells MW01 and MW07 is limited in extent on-site.

- The ground water elevation data collected from the seven monitoring wells shows the general direction of ground water flow to be toward the northeast, with some slight variation towards a northward direction in the north-central part of the site. These flow directions indicate the potential for VOCs detected in MW01 and MW07 to migrate off-site, although the relatively low permeability of the glacial material encountered at the site suggests that ground water flow velocity would be relatively slow.

- The ground water flow patterns at the site, together with the ground water sampling results, indicate that the source of the VOCs detected in ground water is most likely on the MDT site. The results of soil sampling conducted at the site have not shown soil contamination at levels above NYSDEC soil criteria. Based on the distribution of VOCs in ground water, the most likely source was historical discharges during the operation of the on-site wastewater treatment system during the 1950s and early 1960s (MW07 is located within the former sand filter beds of the wastewater treatment system and MW01 is immediately adjacent to, and downgradient from, the small impoundment that received the treated effluent from the former treatment system.) Additional investigation would be necessary to further evaluate the sources of the VOCs and to ensure that there are no remaining soils that may be acting as continuing sources of VOCs to the ground water.

- It is uncertain whether active remediation of ground water would be necessary at this site due to the limited nature of the observed on-site contamination, the relatively low permeability of the shallow ground water zone at the site, and the lack of identified significant soil contamination. However, the fact that the two wells that contain VOCs above the applicable criteria are located near the downgradient property boundary suggests that additional investigation would be necessary to fully delineate the extent of ground water contamination associated with the site prior to making a determination of whether active ground water remediation is appropriate or necessary.

- Assuming that additional investigations are needed and active ground water remediation is necessary for hydraulic control of site-related ground water contaminants, ENVIRON has estimated the following potential costs. These costs are ENVIRON's best estimates of potential costs, based on the limited available information at the site and ENVIRON's experience at similar sites. In a reasonable

worst case scenario, costs could be higher than these estimates, and in a best case scenario, costs could be lower than these estimates. The need for additional investigation and/or remediation will likely depend upon the results of further site investigations, legal and/or regulatory requirements, regulatory agency involvement, etc.

- Additional investigation of on-site ground water and potential soil contamination -- $75,000 to $150,000. These costs would typically be incurred over multiple phases of site investigation over a period of up to several years.

- Potential off-site ground water investigation -- $50,000 to $150,000. These costs would depend greatly on the extent to which potential off-site migration of contamination required investigation. If off-site ground water migration is not significant, then costs could be minimal.

- Design and installation of ground water capture and treatment system -- $150,000 to $300,000. These costs assume the installation of several recovery wells in the area of MW01 and MW07, with ground water piped to one treatment system utilizing air stripping and/or carbon filtration at a rate of 5 to 10 gallons per minute (gpm), and treated effluent discharged either to the sanitary sewer system or to surface water under a discharge permit. These costs would not likely be incurred for a period of up to several years until site investigation activities have been completed. Costs could be higher if capture of off-site ground water is necessary or if a larger area of on-site ground water needed to be captured.

- Annual operation and maintenance of ground water recovery system -- $75,000 to $100,000. These costs would include the O & M expenses associated with the system, periodic ground water and treatment system monitoring costs, potential discharge permit fees or sewer use fees, reporting costs, etc. A reasonable expected period of operation of the system would be 5 to 10 years.

- Based on the sampling to date, no soil contamination has been detected that would require remediation. The potential exists that future investigations could identify soil contamination that may require remediation. The need for or costs

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associated with potential soil remediation cannot be reliably estimated at this time.

III. HENRIETTA, NEW YORK

A. Introduction

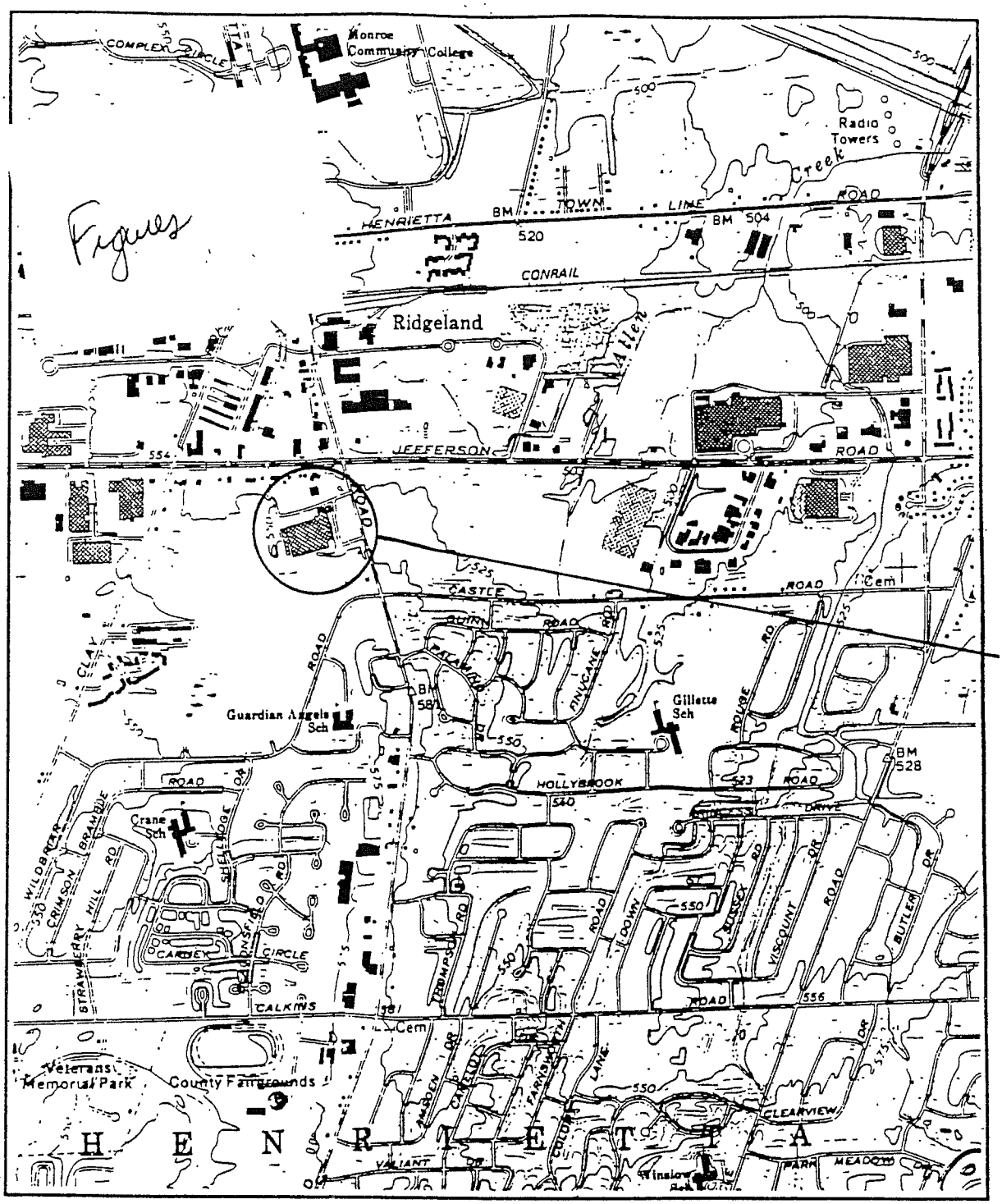
MDT Biologic Company currently owns and operates a manufacturing facility at 1777 East Henrietta Road, Henrietta, New York ("the facility"). The results of a Phase II environmental assessment of the facility recently conducted by ENVIRON identified two locations at the site where VOCs were detected in ground water at concentrations in excess of the New York State Department of Environmental Conservation (NYSDEC) Ambient Water Quality Standards. Due to the limited scope of sampling during Phase II, and the lack of site-specific information on ground water flow directions, the likely sources, extent, and potential for migration of the detected VOCs were not fully determined during Phase II.

ENVIRON conducted a Phase III assessment at the site between April 19 and 29, 1996 to evaluate further the extent and potential for migration of VOCs in ground water at the site. The Phase III assessment included (1) the installation of seven shallow overburden monitoring wells, (2) collection of ground water level measurements to determine the direction of ground water flow across the site, (3) ground water sampling from the seven new wells, and (4) soil sampling at one location where VOCs were identified by field screening with a portable OVM (organic vapor meter). This chapter presents the results of ENVIRON's Phase III investigation. The following sections provide a description of the facility, the well installation and ground water and soil sampling activities conducted, and the analytical results and conclusions developed based on those results.

B. Site Description

1. Site Setting

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



0 2000 4000

Scale in Feet

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SCALE: 1 INCH = 2,000 FEET

CONTOUR INTERVAL: 5 FEET

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

ENVIRON	FACILITY LOCATION MAP MDT BIOLOGIC COMPANY 1777 E. HENRIETTA ROAD – HENRIETTA, NY	FIGURE III–1	
DRAFTED BY: KP/HFZ	DATE: 5/10/96		5090AJ02

nursery, a software distribution company, a muffler shop, an automotive oil change shop, and restaurants.

The facility consists of two buildings situated on approximately 33 acres of land. The main building contains office space, and production and manufacturing operations. The smaller research and development (R&D) building contains office space, product testing and laboratory areas. The majority of the area to the north, east, and south of the main building is paved with asphalt parking lots and roadways. A detention pond is located on the northeast corner of the property. A large section of the remainder of the property located to the west side of the facility buildings is undeveloped. This area reportedly received soil excavated during the construction of Interstate 390.

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

2. Site History and Operations

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

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

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

C. Geology, Hydrogeology and Surface Drainage

The upper geologic unit at the facility consists of glacial till overburden, which extends from ground surface to the top of bedrock. As noted during the Phase III investigation, the till is made up of silty clay with angular fine gravel. At one location, at the northeast corner of the site and downgradient of the detention pond, the till was observed to be 19 feet thick. This location corresponds to one of the lowest topographic elevations on-site, and potentially the location of the thinnest layer of overburden at the site. The full thickness of the till at other locations on-site was not confirmed during Phase III, since bedrock was not encountered during drilling at any of the other locations at the site. At other locations, the till extended to a depth of at least 33 feet below ground surface. Additional information on the geology of the region indicates that the till may extend from ground surface to approximately 50 to 100 feet below ground surface in the area of the site.

Regional ground water flow in the area in which the facility is located is generally toward the northeast. As discussed in more detail in Section F (Subsection 2), there are two main components of flow across the site, and flow generally mimics topography across the site. In the area underlying the main facility building and in the northeast corner of the property, ground water flow is toward the northeast. In the area of the western half of the main parking area (north of the main building), ground water flow is toward the north.

Surface drainage from a majority of the site is directed to the detention pond located in the northeast corner of the property. A series of swales, storm water collection drains, and underground drainage conduits situated around the outside areas of the facility collect storm water and convey it to the pond. From the pond, drainage is reportedly discharged underneath E. Henrietta Road and Jefferson Road to what appears to be an intermittent tributary of Allen Creek. Allen Creek eventually discharges into Erie Canal, which is located approximately one and one-quarter mile northeast of the facility. Drainage from the undeveloped part of the site most likely either infiltrates into the ground or runs off onto adjacent areas.

D. Areas and Issues of Environmental Concern Identified During Phase II

The results of the Phase II investigation conducted between April 4 and 6, 1996 at the site identified two locations at the site where VOCs were present in ground water at concentrations in excess of the NYSDEC Ambient Water Quality Standards. At the first location, immediately downgradient of the detention pond in the northeast corner of the property, TCE was detected at a concentration of 1,500 μg/L and cis-1,2-DCE was detected at 48 μg/L. At the second location, in the vicinity of the former wastewater treatment system sand filter beds, TCE was detected at a concentration of 16 μg/L and cis-1,2-DCE was detected at 63 μg/L.

Tetrachloroethene (PCE) was also detected in a soil gas sample collected from the location of the wastewater treatment sand filter beds.

During Phase II, ground water samples were not collected from all potential areas of environmental concern at the site. For example, sampling was not performed in the undeveloped area to the west of the main buildings, or in the area immediately downgradient of the metal plating operations (on the exterior of the main building). Ground water sampling at locations other than the wastewater treatment area and detention pond area, where VOCs have been detected, would help delineate further the lateral extent of the impact to ground water quality at the site.

The results of the Phase II investigation also identified the need for more detailed information on the direction of ground water flow across the site. As noted above, recent data have indicated that ground water quality has been impacted at two locations at the site. With more detailed information on the pattern of ground water flow across the site, the likely sources, extent, and potential for migration of the detected VOCs can be evaluated.

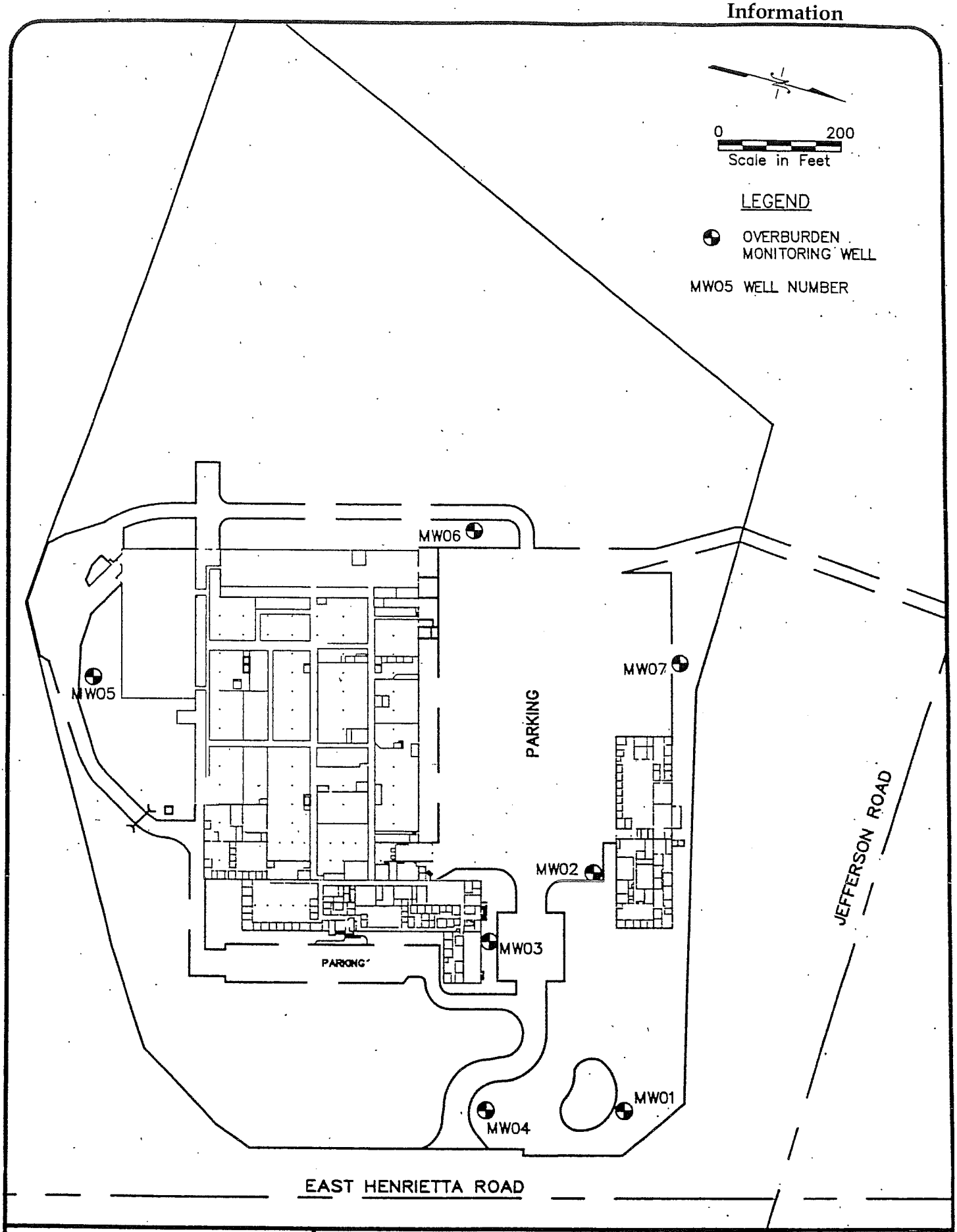
E. Description of Phase III Site Investigation

1. Introduction

ENVIRON conducted a Phase III investigation at the site between April 19 and 29, 1996, to evaluate further the potential environmental issues associated with ground water at the site. This investigation included the following activities:

- Installation of seven shallow overburden monitoring wells;
- Measurement of the depth to ground water in the seven monitoring wells and evaluation of ground water flow across the site;
- Collection and analysis of eight ground water samples from the seven new wells; and
- Collection and analysis of three soil samples from one well location where VOCs were identified in the soil by field screening methods.

The monitoring well locations were selected based on results of the Phase II investigation, and are shown in Figure III-2. The following sections describe the procedures for installing the wells, and for collecting the various samples and ground water elevation data.



ENVIRON	PHASE III SAMPLING LOCATIONS MDT BIOLOGIC COMPANY 1777 E. HENRIETTA ROAD; HENRIETTA, NY	FIGURE III–2
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2. Monitoring Well Installation

Seven monitoring wells (MW01-MW07), as shown on Figure III-2, were installed in the overburden zone between April 19 and 25, 1996. The wells were installed by Advanced Drilling, Inc., of New Holland, Pennsylvania, using hollow-stem auger drilling techniques. All drilling activities were supervised by an ENVIRON geologist.

To install the wells, 4.25-inch I.D. hollow-stem augers were used to drill a 6-inch borehole to the desired depth. During drilling, split-spoon samples were collected at 5-foot intervals for lithologic description and VOC screening. Soil sampling procedures are discussed in more detail in Section 6, below. The wells were constructed using 2-inch diameter, Schedule 40 PVC casing and screens. A screened interval of 10 to 15 feet was used and the well screens were placed with the top of the screen section intersecting the top of the water table at the time the well was installed. In some wells, the water level in the well rose after the completion of the well so that the water table was above the top of the screen section. A clean sand pack consisting of No. 2 sand was placed within the annular space between the screen and the borehole wall, from the bottom of the well to approximately 1 to 2 feet above the top of the screen. A 1- to 2-foot thick bentonite seal was added above the sand, and a cement-bentonite grout mixture was added above the bentonite seal to completed the wells to grade. All wells were completed with flush-mount protective covers and locking inner PVC expansion caps. Construction specifications for all wells are presented in Table III-1 and well construction logs are provided in Appendix A.

Soil cuttings generated from the well installation activities were contained in 55-gallon drums and staged on-site adjacent to the R&D building, pending waste characterization sampling and disposal.

3. Well Development

Following well installation, each well was developed using the pump on the hollow-stem auger rig and decontaminated hose. Five of the seven wells pumped dry during development. At wells that pumped dry, development continued in cycles over the course of two days with the well being pumped dry, then allowed to recharge over several hours, then pumped dry again. This procedure continued until 10 well volumes of water were removed, or until the wells had been pumped dry a maximum of four times over the course of the two days. Wells that did not pump dry during development were developed until the water was clear and silt-free and until approximately 10 well volumes were removed.

TABLE III-1
Construction Specifications for Monitoring Wells
MDT Biologic Company, Henrietta, NY

Well Number	Date Installed	Total Depth (feet bgs)	Diameter of PVC Casing (inches)	Screen Length (feet)	Screened Interval (feet bgs)
MW01	April 25, 1996	19.2	2	14	5.2 - 19.2
MW02	April 23, 1996	21.5	2	15	6.5 - 21.5
MW03	April 23, 1996	20.0	2	10	10.0 - 20.0
MW04	April 22, 1996	15.0	2	10	5.0 - 15.0
MW05	April 19, 1996	25.2	2	10	15.2 - 25.2
MW06	April 19, 1996	33.4	2	10	23.4 - 33.4
MW07	April 23, 1996	18.2	2	10	8.2 - 18.2

Note:

bgs - Below ground surface.

Water generated from development activities was contained in 55-gallon drums, which were staged on-site adjacent to the R& D building, pending waste characterization sampling and disposal.

4. Monitoring Well Surveying

The location and elevation of each monitoring well was surveyed on April 26, 1996 by Passero Associates of Rochester, New York, a New York State-licensed land surveyor. The survey information is provided in Table III-2, and includes ground surface elevation, top of PVC casing elevation, and north and east horizontal coordinates.

5. Ground Water Level Measurements

Ground water level measurements were collected using an electronic water level meter. The measurements were collected at various times following installation of each well: prior to well development, after well development and before ground water sampling, and after ground water sampling. The measurements were recorded to the nearest 0.01 foot.

6. Soil Sampling Procedure

Soil samples were collected at each monitoring well location for lithologic characterization and VOC screening. The soil was collected using 2-inch split-spoon samplers advanced at a frequency of one sampler per 5-foot depth interval. This frequency of sampling was employed at all well locations except MW07, since no wells other than MW07 were expected to be at locations where potential surface sources of soil contamination existed. Monitoring well MW07 was located within the area of the former wastewater treatment sand filter bed, a suspected source of soil and/or ground water contamination. At MW07, therefore, split-spoon soil samples were collected continuously to a depth of 16 feet below ground surface.

The soil in each sampler was screened for the presence of VOCs using a portable OVM. The lithology of all soils was then logged by an ENVIRON geologist. The results of the soil screening and lithologic descriptions are included on the well construction logs for each well, in Appendix A. Soil samples were collected for laboratory analysis based on the results of the field screening. The analytical samples were collected in glassware supplied by the laboratory and stored in coolers on ice. The samples were kept on ice and sent off-site to Lancaster Laboratories in Lancaster, Pennsylvania, for VOC analysis using EPA method 8240. Table III-3 lists the soil samples submitted for analysis.

TABLE III-2
Locations and Elevations of Monitoring Wells
MDT Biologic Company, Henrietta, NY

Well Number	Elevations		Horizontal Coordinates	
	Ground	PVC Casing	North	East
MW01	532.39	532.22	1,126,075.06	760,085.02
MW02	546.48	546.24	1,125,900.75	759,774.18
MW03	547.58	547.42	1,125,772.86	759,909.82
MW04	536.44	536.22	1,125,855.01	760,178.38
MW05	552.61	552.42	1,125,021.60	759,696.88
MW06	548.26	548.07	1,125,538.24	759,303.58
MW07	547.04	546.78	1,125,899.30	759,448.81

Notes:

Elevations in feet above mean sea level.
Horizontal Datum: New York State Plane Coordinate System, West Zone Mercator System.
Vertical Datum: National Geodetic Vertical Datum (NGVD) 1929.

TABLE III-3
Summary of Soil Samples Collected for VOC Analysis (EPA Method 8240)
MDT Biologic Company, Henrietta, NY

Sample ID	Sample Location	Sample Depth (feet bgs)	OVM Field Screening Results (ppm)	Date Collected
5090C-NY-MW07-SB01	MW07 Borehole	6.5-7.5	0.6	April 22, 1996
5090C-NY-MW07-SB02	MW07 Borehole	8-10	6	April 22, 1996
5090C-NY-MW07-SB03	MW07 Borehole	12-14	3.4	April 22, 1996

Note:

bgs - Below ground surface.

7. Ground Water Sampling Procedure

Eight ground water samples were collected from the seven wells on April 25 and 26, 1996. Prior to sample collection, each well was purged of at least three well casing volumes of water using a disposable polyethylene bailer and dedicated nylon rope. During purging, the field indicator parameters pH, specific conductivity, and water temperature were measured and recorded, to ensure that the parameter readings had stabilized by the end of purging, indicating that the well was recharging sufficiently with water that was representative of actual aquifer conditions.

Ground water samples were collected with laboratory-cleaned Teflon bailers and dedicated nylon rope. To collect the ground water, a bailer was lowered by hand into the water to the depth of the center of the well screen and then slowly raised to the surface, taking care to minimize agitation and exposure to the atmosphere. All ground water samples were contained in pre-preserved glassware supplied by the laboratory and sample vials were stored in coolers on ice following sample collection. Samples were kept on ice and sent to Lancaster Laboratories for analysis of VOCs, following EPA method 8240. Table III-4 lists the ground water samples submitted for analysis. All ground water generated from purging was combined with the development water stored in 55-gallon drums, pending the results of waste characterization sampling and disposal.

8. Quality Assurance/Quality Control Measures

Sample labels were prepared prior to sampling and affixed to sample containers either before or immediately after sample collection. Strict chain-of-custody procedures were followed in order to provide the necessary documentation of sample possession from the time of collection to the time of analysis.

All down-hole drilling equipment was steam-cleaned prior to drilling at a new location. All soil sampling equipment was also steam-cleaned and wrapped in aluminum foil prior to reuse. Disposable gloves were worn at all times when handling the laboratory-cleaned bailers and/or sample glassware, and a new pair of gloves was worn for each new sample collected.

All decontamination water generated was pumped into 55-gallon drums (along with the development and purge water) and staged on-site pending the results of waste characterization sampling and disposal.

TABLE III-4
Summary of Ground Water Samples Collected for VOC Analysis (EPA Method 8240)
MDT Biologic Company, Henrietta, NY

Sample ID	Sample Location	Date Collected
5090C-MW01-GW01	MW01	April 26, 1996
5090C-MW01-GW11*	MW01	April 26, 1996
5090C-MW02-GW01	MW02	April 25, 1995
5090C-MW03-GW01	MW03	April 25, 1996
5090C-MW04-GW01	MW04	April 26, 1996
5090C-MW05-GW01	MW05	April 25, 1996
5090C-MW06-GW01	MW06	April 25, 1995
5090C-MW07-GW01	MW07	April 26, 1996

Note:

* - Duplicate Sample

F. Phase III Investigation Results

1. Well Yield

During the course of the investigation, it was noted that several of the wells could not sustain a continuous yield during the time in which they were pumped for development or purged prior to sampling. For example, monitoring wells MW02, MW03, MW05, MW06, and MW07 could not be developed at a continuous rate (See Appendix A - Well Construction Logs). These wells pumped dry a few minutes after the start of development. Development at these wells proceeded in cycles whereby the wells were pumped dry, then allowed to recharge for several hours, then pumped dry again. MW01 and MW04 were the only two wells that were developed at a continuous rate of 0.6 and 0.7 gpm, respectively, although even these rates would be considered relatively low. The low yield of all the new wells is likely the result of the low permeability of the silty clay formation in which the wells are screened.

2. Ground Water Flow

Ground water elevation data for two rounds of measurements collected on April 24 (and April 25 for MW01) and April 29, 1996, are presented in Table III-5. The April 24 measurements were collected after the wells were installed and prior to development (MW01 was installed on April 25 and the ground water level was measured on this day). The April 29 water level measurements were collected 3 days after all wells had been developed, purged, and sampled.

Data collected on April 24 (and April 25 for MW01), 1996 were used to construct the ground water elevation contours presented in Figure III-3. The April 29 data were not used since MW05 is a slowly-recharging well, and the water level in MW05 on April 29, had not yet recovered to the static level measured prior to the time that any pumping or purging had taken place. Figure III-3 indicates that there are two main components of flow across the site. In the area underlying the main facility building and in the northeast corner of the property, ground water flow is toward the northeast. In the area of the western half of the main parking lot, north of the main building, ground water flow is toward the north. It is likely that flow in the area of the undeveloped western portion of the site is directed toward the north or northeast as well.

Generally, ground water flow mimics the topography across the site. MW01 is located in the topographically lowest area on-site. East of the R&D building and north of the driveway entrance to the facility, the topography slopes down toward MW01 and

TABLE III-5
Ground Water Elevations in On-Site Wells
MDT Biologic Company, Henrietta, NY

Well Number	Top of PVC Casing Reference Elevation	Ground Surface Reference Elevation[1]	April 24, 1996[2]		April 29, 1996	
			Depth-to-Ground Water (feet bgs)	Ground Water Elevation	Depth-to-Ground Water (feet btoc)	Ground Water Elevation
MW01	532.22	532.39	6.7	525.7	6.86	525.36
MW02	546.24	546.48	5.5	541.0	5.96	540.29
MW03	547.42	547.58	8.2	539.4	8.5	538.92
MW04	536.22	536.44	2.1	534.3	3.6	532.62
MW05	552.42	552.61	4.95	547.7	10.02	542.40
MW06	548.07	548.26	3.7	544.6	3.85	544.22
MW07	546.78	547.04	7.4	539.6	7.34	539.44

Notes:

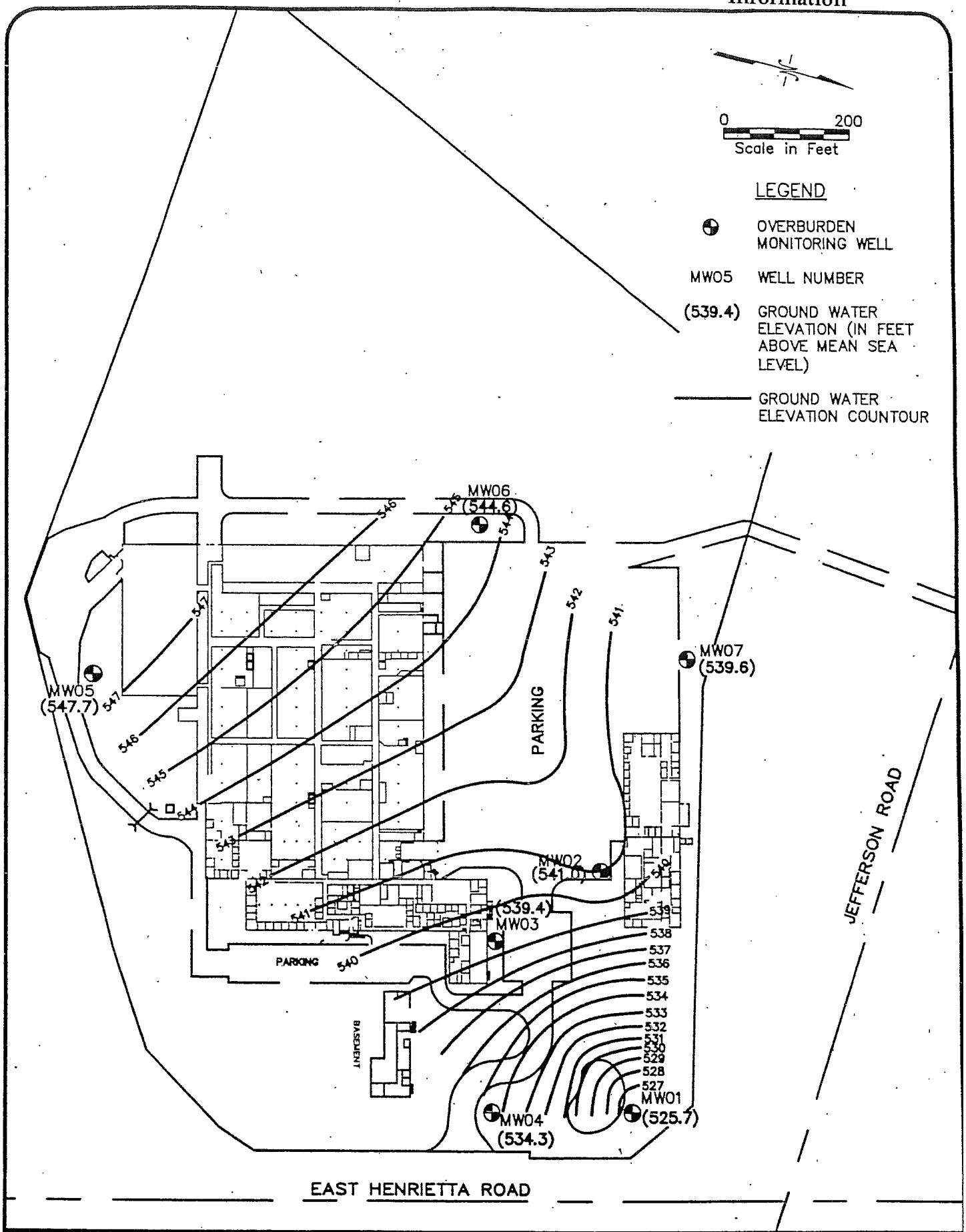
1 Ground surface used as reference elevation during April 24 water level measurement since PVC casings had not yet been cut to below ground surface and finished as completed wells.

2 Measurements collected following well installation and prior to development at each well. Measurements were collected on April 24 for all wells with the exception of MW01, for which measurements were collected on April 25, 1996 (MW01 was installed on April 25, 1996).

btoc: Below top of casing.

bgs: Below ground surface

All elevations in feet above mean sea level.



ENVIRON	GROUND WATER ELEVATION CONTOURS – APRIL 24, 1996 MDT BIOLOGIC COMPANY 1777 E. HENRIETTA ROAD; HENRIETTA, NY	FIGURE III–3
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toward the northeast corner of the property, and flow in this area is directed toward the northeast. Similarly, MW07 is located at a topographic elevation that is slightly lower than the elevation of the two nearest wells, MW02 and MW06. Flow in this area of the site (the western portion of the main parking lot) is directed north toward MW07.

3. Ground Water Sampling Results

Analytical results for ground water samples collected from the seven new wells are presented in Table III-6. The laboratory analytical reports for these samples are included in Appendix B. As shown in Table III-6, VOCs including acetone, cis-1,2-DCE, trans-1,2-dichloroethene (trans-1,2-DCE), and TCE were detected in the ground water at monitoring wells MW01, MW02, MW05, and MW07. At MW01, cis-1,2-DCE (13 and 14 μg/L) and TCE (860 and 1000 μg/L) were detected at concentrations above the NYSDEC Ambient Water Quality Standards. At MW07, cis-1,2-DCE (560 μg/L) and TCE (200 μg/L) were detected above NYSDEC standards. The presence of TCE and cis-1,2-DCE at these concentrations, together with the ground water flow data, confirms the results obtained from the Phase II investigation -- that ground water in the area of the former wastewater treatment system and the detention pond has potentially been affected by present or former site activities.

MW06 is located upgradient of MW07. The absence of VOCs in the ground water from MW06 indicates that ground water quality at MW07 has likely been impacted by activities and operations that took place at the wastewater treatment system in the vicinity of MW07, rather than at a location upgradient of MW07. The absence of VOCs in the ground water from MW06 also indicates that soil from the construction of Interstate 390, placed in the western portion of the property, does not appear to have adversely impacted ground water quality in this area. The absence of VOCs in the ground water from MW03 and MW04 and the trace level of TCE in ground water from MW02 indicate that the VOCs detected at MW01 are not likely related to sources upgradient of MW02, MW03 and MW04. Rather, ground water quality at MW01 has most likely been impacted by site activities and operations associated with the detention pond itself.

4. Soil Sampling Results

Analytical results for soil samples are presented in Table III-7. Only soil samples collected from the MW07 borehole were submitted for analysis since these samples were the only ones in which VOCs were detected by field screening with an OVM. As shown in Table III-7, trace concentrations of VOCs including acetone, TCE, methylene chloride,

TABLE III-6
Summary of Phase III Ground Water Sampling Results (μg/L)
MDT Biologic Company, Henrietta, NY

Sampling Location		**MW01**	**MW01**	**MW02**	**MW03**	**MW04**	**MW05**
ENVIRON Sample ID		**5090C-NY-MW01-GW01**	**5090C-NY-MW01-GW11**	**5090C-NY-MW02-GW01**	**5090C-NY-MW03-GW01**	**5090C-NY-MW04-GW01**	**5090C-NY-MW05-GW01**
Laboratory Sample ID		**2501523**	**2501524**	**2500741**	**2500742**	**2501521**	**2500740**
Collection Date		**04/26/96**	**04/26/96**	**04/25/96**	**04/25/96**	**04/26/96**	**04/25/96**
Comments			**Duplicate**				
Volatile Organic Compounds	**New York State Ambient Water Quality Standards[1] (μg/L)**						
Acetone	50	ND	ND	ND	ND	ND	39
cis-1,2-Dichloroethene	5	13	14	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	860	1,000	2 J	ND	ND	ND

Notes:

1 - Water Quality Standards for Class GA fresh ground waters.
ND - Not Detected.
J - Concentration detected at below method detection limit and reported as estimated value.
All concentrations reported in 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 Phase III Ground Water Sampling Results (μg/L) (Cont.)
MDT Biologic Company, Henrietta, NY

Sampling Location		MW06	MW07	Trip Blank	Trip Blank	Field Blank	Field Blank
ENVIRON Sample ID		5090C-NY-MW06-GW01	5090C-NY-MW07-GW01	5090C-NY-TB01-042596	5090C-NY-TB02-042696	5090C-NY-FB01-042596	5090C-NY-FB02-042596
Laboratory Sample ID		2500739	2501522	2500745	2501540	2500743	2500744
Collection Date		04/25/96	04/26/96	04/25/96	04/26/96	04/25/96	04/25/96
Comments				QA/QC Sample	QA/QC Sample	QA/QC Sample	QA/QC Sample
Volatile Organic Compounds	New York State Ambient Water Quality Standards[1] (μg/g/L)						
Acetone	50	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	560	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	2 J	ND	ND	ND	ND
Trichloroethene	5	ND	200	ND	1 J	ND	ND

Notes:

1 - Water Quality Standards for Class GA fresh ground waters.
ND - Not Detected.
J - Concentration detected at below method detection limit and reported as estimated value.
All concentrations reported in μg/L or parts per billion (ppb).
Only those compounds detected in one or more of all ground water samples are listed.

TABLE III-7
Summary of Phase III Soil Sampling Results (μg/kg)
MDT Biologic Company, Henrietta, NY

	Sampling Location	MW07	MW07	MW07
	ENVIRON Sample ID	5090C-NY-MW07-SB01	5090C-NY-MW07-SB02	5090C-NY-MW07-SB03
	Laboratory Sample ID	2499216	2499217	2499218
	Sampling Depth	6.5-7.5 feet	8-10 feet	12-14 feet
	Collection Date	04/22/96	04/22/96	04/22/96
	Comments			
Volatile Organic Compounds	New York State Soil Cleanup Objectives to Protect Ground Water Quality[1] (μg/kg or ppb)			
Acetone	110	14 J	10 J	13 J
Trichloroethene	700	12	6	17
Methylene Chloride	100	25	12	5 J
cis-1,2-Dichloroethene	245	11	18	17
Chloroform	300	1 J	ND	ND

Notes:

1 Soil Cleanup Objectives developed for soil organic content of 1%.
J Concentration detected at below method detection limit and reported as estimated value.
All concentrations reported in μg/kg or parts per billion (ppb).
Only those compounds detected in the soil sample are listed.

cis-1,2-DCE, and chloroform were detected in the soil from MW07. However, none of these compounds were detected at concentrations above the New York State Recommended Soil Cleanup Objectives. As noted in the well construction log for MW07, two of these samples (from the 8 to 10-foot interval and 12 to 14-foot interval) were collected from below the water table, and the third sample (6.5 to 7.5-foot interval) was collected from what is potentially the capillary fringe at this location. Since these samples were collected from saturated or near saturated conditions, it is not certain whether the presence of the VOCs in the samples is attributable to the water within the soil or to the soil itself.

G. Conclusions

The results of the Phase III investigation at the MDT facility in Henrietta, New York indicate the following:

- The results of the Phase III investigation included the installation and sampling of seven monitoring wells at the site, and confirmed the preliminary results of the Phase II investigation, which indicated that ground water sampled from two areas of the site contained VOCs that exceeded the NYSDEC Ambient Water Quality Standards. In the first area, located immediately downgradient from the detention pond in the northeast corner of the site, the Phase II sampling had detected TCE at a concentration of 1,500 μg/L and cis-1,2-DCE at 48 μg/L. In the Phase III investigation, MW01 was installed in the same area; and a ground water sample from MW01 was found to contain TCE at concentrations of up to 1,000 μg/L and cis-1,2-DCE at concentrations up to 14 μg/L. In the second area, near the former wastewater treatment system sand filter beds, the Phase II results had showed the presence of TCE at concentrations of up to 16 μg/L and cis-1,2-DCE at concentrations of up to 63 μg/L in a ground water sample. In the Phase III investigation, MW07 was installed in the same area; a ground water sample from MW07 was found to contain TCE at a concentration of 200 μg/L and cis-1,2-DCE at a concentration of 560 μg/L.

- Ground water samples collected from the other five wells at the site did not contain any VOCs at levels above the NYSDEC Ambient Water Quality Standards, suggesting that the contamination detected in wells MW01 and MW07 is limited in extent on-site.

- The ground water elevation data collected from the seven monitoring wells shows the general direction of ground water flow to be toward the northeast, with a secondary component of flow oriented toward the north in the north-central part of the site. These flow directions indicate the potential for VOCs detected in MW01 and MW07 to migrate off-site, although the relatively low permeability of the glacial material encountered at the site suggests that the ground water flow velocity would be relatively slow.

- The ground water flow patterns at the site, together with the ground water sampling results, indicate that the source of the VOCs detected in ground water is most likely on the MDT site. VOCs have not been detected in soil samples from the site at concentrations above NYSDEC soil cleanup criteria. Based on the distribution of VOCs in ground water, the most likely source was historical discharges which took place during the operation of the on-site wastewater treatment system during the 1950s and early 1960s (MW07 is located within the former sand filter beds of the wastewater treatment system and MW01 is immediately adjacent to, and downgradient from, the small impoundment that received the treated effluent from the former treatment system). Additional investigation would be necessary to further evaluate the sources of the VOCs and to ensure that there are no remaining soils that may be acting as continuing sources of VOCs to the ground water.

- It is uncertain whether active remediation of ground water would be necessary at this site due to the limited nature of the observed on-site contamination, the relatively low permeability of the shallow ground water zone at the site, and the lack of identified significant soil contamination. However, the fact that the two wells that contain VOCs above the applicable criteria are located near the downgradient property boundary suggests that additional investigation would be necessary to fully delineate the extent of ground water contamination associated with the site prior to making a determination of whether active ground water remediation is appropriate or necessary.

- Assuming that additional investigations are needed and active ground water remediation is necessary for hydraulic control of site-related ground water contaminants, ENVIRON has estimated the following potential costs. These costs are ENVIRON's best estimates of potential costs based on the limited available

information at the site and ENVIRON's experience at similar sites. The need for additional investigation and/or remediation will likely depend upon the results of further site investigations, legal and/or regulatory requirements, regulatory agency involvement, etc.

- Additional investigation of on-site ground water and potential soil contamination -- $75,000 to $150,000. These costs would typically be incurred over multiple phases of site investigation over a period of up to several years.

- Potential off-site ground water investigation -- $50,000 to $150,000. These costs would depend greatly on the extent to which potential off-site migration of contamination required investigation. If off-site ground water migration is not significant, then costs could be minimal.

- Design and installation of ground water capture and treatment system -- $150,000 to $300,000. These costs assume the installation of several recovery wells in the area of MW01 and MW07, with ground water piped to one treatment system utilizing air stripping and/or carbon filtration at a rate of 5 to 10 gallons per minute (gpm), and treated effluent discharged either to the sanitary sewer system or to surface water under a discharge permit. These costs would not likely be incurred for a period of up to several years until site investigation activities have been completed. Costs could be higher if capture of off-site ground water is necessary or if a larger area of on-site ground water needed to be captured.

- Annual operation and maintenance of ground water recovery system -- $75,000 to $100,000. These costs would include the O & M expenses associated with the system, periodic ground water and treatment system monitoring costs, potential discharge permit fees or sewer use fees, reporting costs, etc. A reasonable expected period of operation of the system would be 5 to 10 years.

- Based on the sampling to date, no soil contamination has been detected that would require remediation. The potential exists that future investigations could identify soil contamination that may require remediation. The need for or costs associated with potential soil remediation cannot be reliably estimated at this time.

APPENDIX A

Monitoring Well Construction Logs, Henrietta, NY

WELL# MW-01

PERMIT# NOT APPLICABLE

DATE: APRIL 25, 1996

LOGGED BY: CAROLINE CZANK

DRILLING CO.: ADVANCED DRILLING

DRILLER: RICK EMPSON

RIG: FAILING SS-25

METHOD: 4 1/4-IN. ID HOLLOW-STEM AUGER

BORING DIA.: 6-IN.

BORING DEPTH: 19.2 FT. BGS

DEPTH TO WATER:

SURFACE ELEV.: 532.39 FT. AMSL

WELL CASING

INTERVAL: 0.17-5.2 FT. BGS

DIA.: 2-IN.

TYPE: SCHEDULE 40 PVC

T.O.C. ELEV.: 532.22 FT. AMSL

WELL SCREEN

INTERVAL: 5.2-19.2 FT. BGS

DIA.: 2-IN.

SLOT SIZE: 0.010-IN.

WELL DEVELOPMENT

TIME: 38 MINUTES

METHOD: RIG PUMP

EST. YIELD: 0.6 GPM

ENVIRON

WELL LOG

PROJECT: SA: PHASE III
HENRIETTA, NY

CASE # 02-5090C

COMMENTS:

A CONTINUOUS YIELD OF 0.7 GPM WAS SUSTAINED DURING WELL DEVELOPMENT (WELL DID NOT PUMP DRY).
A TOTAL OF 23 GALLONS WAS RECOVERED DURING DEVELOPMENT.

5090CL1A

DEPTH (FT.)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER 6 IN.	RECOVERY (IN.)	DESCRIPTION	PID (ppm)	WELL CONSTRUCTION	REMARKS
				6" TOPSOIL AND GRASS			START WORK 4-25-96.
		2,3,6,22	12	MEDIUM BROWN TO GREY-RED-BROWN SILTY CLAY WITH FINE GRAVEL.	0		
5							
			18	SAME AS ABOVE; MOIST	0		▼ WATER LEVEL MEASURED 4-25-96, FOLLOWING WELL INSTALLATION.
10	NA						
		5,6,9,11	20	SAME AS ABOVE; MOIST	0		
15							
		5,7,9,11	18		0		
20				BOTTOM OF BORING @ 19.2 FT.			AUGER REFUSAL AT 19.2 FT. DRILLER REPORTED POTENTIAL PRESENCE OF BEDROCK AT 19.2 FT. BASED ON DISTINCTIVE RESPONSE OF DRILL BIT AND AUGERS DURING DRILLING.
25							

WELL# MW-02

PERMIT# NOT APPLICABLE

DATE: APRIL 23, 1996

LOGGED BY: CAROLINE CZANK

DRILLING CO.: ADVANCED DRILLING

DRILLER: RICK EMPSON

RIG: FAILING SS-25

METHOD: 4 1/4-IN. ID HOLLOW-STEM AUGER

BORING DIA.: 6-IN.

BORING DEPTH: 21.5 FT. BGS

DEPTH TO WATER:

SURFACE ELEV.: 546.48 FT. AMSL

WELL CASING

INTERVAL: 0.24-6.5 FT. BGS

DIA.: 2-IN.

TYPE: SCHEDULE 40 PVC

T.O.C. ELEV.: 546.24 FT. AMSL

WELL SCREEN

INTERVAL: 6.5-21.5 FT. BGS

DIA.: 2-IN.

SLOT SIZE: 0.010-IN.

WELL DEVELOPMENT

TIME: 25 MINUTES (TOTAL)

METHOD: RIG PUMP

EST. YIELD: SEE COMMENTS

ENVIRON

WELL LOG

PROJECT: SA: PHASE III
HENRIETTA, NY

CASE # 02-5090C

COMMENTS:

DURING DEVELOPMENT, WELL WAS PUMPED DRY (THEN ALLOWED TO RECOVER) THREE TIMES, AT A RATE OF 1 GPM FOR EACH TIME IT WAS PUMPED. CONTINUOUS YIELD COULD NOT BE SUSTAINED. A TOTAL OF 24 GALLONS WAS RECOVERED DURING DEVELOPMENT.

5090CL1B

DEPTH (FT.)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER 6 IN.	RECOVERY (IN.)	DESCRIPTION	PID (ppm)	WELL CONSTRUCTION	REMARKS
				ASPHALT AND UNDERLYING GRAVEL.			START WORK 4-23-96.
		9,19,23,10	24	RED-BROWN SILTY CLAY WITH FINE GRAVEL.	0		
5		4,6,8,9	24	SAME AS ABOVE; MOIST.	0		WATER LEVEL MEASURED 4-24-96, FOLLOWING WELL INSTALLATION.
10	NA	8,10,12,13	24		0		
15		9,13,21,22	24		0		
20		8,41,15,14	18	SAME AS ABOVE; WET.	0		
				BOTTOM OF BORING @ 21.5 FT.			DIFFICULT TO IDENTIFY TOP OF WATER TABLE DURING DRILLING (USING OBSERVATIONS OF MOISTURE CONTENT OF SOIL IN SPLIT-SPOON SAMPLES).
25							

WELL# MW-03

PERMIT# NOT APPLICABLE

DATE: APRIL 23, 1996

LOGGED BY: CAROLINE CZANK

DRILLING CO.: ADVANCED DRILLING

DRILLER: RICK EMPSON

RIG: FAILING SS-25

METHOD: 4 1/4-IN. ID HOLLOW-STEM AUGER

BORING DIA.: 6-IN.

BORING DEPTH: 20 FT. BGS

DEPTH TO WATER:

SURFACE ELEV.: 547.58 FT. AMSL

WELL CASING

INTERVAL: 0.16-10 FT. BGS

DIA.: 2-IN.

TYPE: SCHEDULE 40 PVC

T.O.C. ELEV.: 547.42 FT. AMSL

WELL SCREEN

INTERVAL: 10-20 FT. BGS

DIA.: 2-IN.

SLOT SIZE: 0.010-IN.

WELL DEVELOPMENT

TIME: 41 MINUTES (TOTAL)

METHOD: RIG PUMP

EST. YIELD: SEE COMMENTS

ENVIRON

WELL LOG

PROJECT: SA: PHASE III
HENRIETTA, NY

CASE #: 02-5090C

COMMENTS:

DURING DEVELOPMENT, WELL WAS PUMPED DRY (THEN ALLOWED TO RECOVER) FOUR TIMES, AT A RATE OF 0.5 GPM FOR EACH TIME IT WAS PUMPED. CONTINUOUS YIELD COULD NOT BE SUSTAINED. A TOTAL OF 20.5 GALLONS WAS RECOVERED DURING DEVELOPMENT.

5090CL1C

DEPTH (FT.)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER 6 IN.	RECOVERY (IN.)	DESCRIPTION	PID (ppm)	WELL CONSTRUCTION	REMARKS
		2,3,4,5	18	6" TOPSOIL AND GRASS	0		START WORK 4-23-96.
5				MEDIUM BROWN SILTY CLAY WITH FINE GRAVEL; MOIST AT 5 FEET.			
		4,4,4,7	14		0		
10	NA						WATER LEVEL MEASURED 4-24-96, FOLLOWING WELL INSTALLATION.
		16,17,23,24	18		0		
15							
		9,31,11,10	24	SAME AS ABOVE; WET.	0		
20				BOTTOM OF BORING @ 20 FT.			DIFFICULT TO IDENTIFY TOP OF WATER TABLE DURING DRILLING (USING OBSERVATIONS OF MOISTURE CONTENT OF SOIL IN SPLIT-SPOON SAMPLES).
25							

WELL# MW-04

PERMIT# NOT APPLICABLE

DATE: APRIL 22, 1996

LOGGED BY: CAROLINE CZANK

DRILLING CO.: ADVANCED DRILLING

DRILLER: RICK EMPSON

RIG: FAILING SS-25

METHOD: 4 1/4-IN. ID HOLLOW-STEM AUGER

BORING DIA.: 6-IN.

BORING DEPTH: 15 FT. BGS

DEPTH TO WATER:

SURFACE ELEV.: 536.44 FT. AMSL

WELL CASING

INTERVAL: 0.22-5.0 FT. BGS

DIA.: 2-IN.

TYPE: SCHEDULE 40 PVC

T.O.C. ELEV.: 536.22 FT. AMSL

WELL SCREEN

INTERVAL: 5-15 FT. BGS

DIA.: 2-IN.

SLOT SIZE: 0.010-IN.

WELL DEVELOPMENT

TIME: 31 MINUTES

METHOD: RIG PUMP

EST. YIELD: 0.7 GPM

ENVIRON

WELL LOG

PROJECT: SA: PHASE III

HENRIETTA, NY

CASE # 02-5090C

COMMENTS:

A CONTINUOUS YIELD OF 0.7 GPM WAS SUSTAINED DURING WELL DEVELOPMENT (WELL DID NOT PUMP DRY).
A TOTAL OF 21 GALLONS WAS RECOVERED DURING DEVELOPMENT.

5090CL1D

DEPTH (FT.)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER 6 IN.	RECOVERY (IN.)	DESCRIPTION	PID (ppm)	WELL CONSTRUCTION	REMARKS
		2,3,5,5	20	6" TOPSOIL AND GRASS	0		START WORK 4-22-96.
5	NA	2,3,2,3	20	MEDIUM BROWN SILTY CLAY WITH FINE GRAVEL; MOIST.	0		WATER LEVEL MEASURED 4-23-96, FOLLOWING WELL INSTALLATION.
10		3,4,9,15	18	SAME AS ABOVE; WET.	0		
15				BOTTOM OF BORING @ 15 FT.			DIFFICULT TO IDENTIFY TOP OF WATER TABLE DURING DRILLING (USING OBSERVATIONS OF MOISTURE CONTENT OF SOIL IN SPLIT-SPOON SAMPLES).
20							
25							

WELL# MW-05

PERMIT# NOT APPLICABLE

DATE: APRIL 19, 1996

LOGGED BY: CAROLINE CZANK

DRILLING CO.: ADVANCED DRILLING

DRILLER: RICK EMPSON

RIG: FAILING SS-25

METHOD: 4 1/4-IN. ID HOLLOW-STEM AUGER

BORING DIA.: 6-IN.

BORING DEPTH: 25.2 FT. BGS

DEPTH TO WATER:

SURFACE ELEV.: 552.61 FT. AMSL

WELL CASING

INTERVAL: 0.19-15.2 FT. BGS

DIA.: 2-IN.

TYPE: SCHEDULE 40 PVC

T.O.C. ELEV.: 552.42 FT. AMSL

WELL SCREEN

INTERVAL: 15.2-25.2 FT. BGS

DIA.: 2-IN.

SLOT SIZE: 0.010-IN.

WELL DEVELOPMENT

TIME: 13 MINUTES

METHOD: RIG PUMP

EST. YIELD: SEE COMMENTS

ENVIRON

WELL LOG

PROJECT: SA: PHASE III

HENRIETTA, NY

CASE # 02-5090C

COMMENTS:

DURING DEVELOPMENT, WELL WAS PUMPED DRY (THEN ALLOWED TO RECHARGE) FOUR TIMES, AT A RATE OF 0.8 GPM FOR EACH TIME IT WAS PUMPED DRY; CONTINUOUS YIELD COULD NOT BE SUSTAINED.

A TOTAL OF 10 GALLONS WAS RECOVERED DURING DEVELOPMENT.

 5090CL1E

DEPTH (FT.)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER 6 IN.	RECOVERY (IN.)	DESCRIPTION	PID (ppm)	WELL CONSTRUCTION	REMARKS
	NA	2,6,20,15	6	6" TOPSOIL AND GRASS	NR		START WORK 4-19-96.
5				RED-GRAY-BROWN SILTY CLAY WITH FINE GRAVEL			NR=NO READING; OVM NOT WORKING PROPERLY.
		13,7,5,5	18	RED-GRAY-BROWN CLAY TO SILTY CLAY WITH VERY FINE ANGULAR GRAVEL; MOIST AT 7 FT.	NR		WATER LEVEL MEASURED 4-23-96, FOUR DAYS AFTER BOREHOLE DRILLED.
10		3,3,4,5	24		NR		
15		2,4,4,5	24		NR		WATER LEVEL MEASURED 4-22-96, THREE DAYS AFTER BOREHOLE DRILLED.
20		2,2,5,6	20		NR		
25				BOTTOM OF BORING @ 25.2 FT.			WELL CONSTRUCTED 4-22-96. DIFFICULT TO IDENTIFY TOP OF WATER TABLE DURING DRILLING (USING OBSERVATIONS OF MOISTURE CONTENT OF SOIL IN SPLIT-SPOON SAMPLES).

WELL# MW-06

PERMIT# NOT APPLICABLE

DATE: APRIL 19, 1996

LOGGED BY: CAROLINE CZANK

DRILLING CO.: ADVANCED DRILLING

DRILLER: RICK EMPSON

RIG: FAILING SS-25

METHOD: 4 1/4-IN. ID HOLLOW-STEM AUGER

BORING DIA.: 6-IN.

BORING DEPTH: 33.4 FT. BGS

DEPTH TO WATER:

SURFACE ELEV.: 548.26 FT. AMSL

WELL CASING

INTERVAL: 0.19-23.4 FT. BGS

DIA.: 2-IN.

TYPE: SCHEDULE 40 PVC

T.O.C. ELEV.: 548.07 FT. AMSL

WELL SCREEN

INTERVAL: 23.4-33.4 FT. BGS

DIA.: 2-IN.

SLOT SIZE: 0.010-IN.

WELL DEVELOPMENT

TIME: 18 MINUTES (TOTAL)

METHOD: RIG PUMP

EST. YIELD: SEE COMMENTS

ENVIRON

WELL LOG

PROJECT: SA: PHASE III
HENRIETTA, NY

CASE # 02-5090C

COMMENTS:

DURING DEVELOPMENT, WELL WAS PUMPED DRY (THEN ALLOWED TO RECHARGE) FOUR TIMES, AT A RATE OF 0.9 GPM FOR EACH TIME IT WAS PUMPED DRY; CONTINUOUS YIELD COULD NOT BE SUSTAINED.

A TOTAL OF 21 GALLONS WAS RECOVERED DURING DEVELOPMENT.

5090CL1F

DEPTH (FT.)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER 6 IN.	RECOVERY (IN.)	DESCRIPTION	PID (ppm)	WELL CONSTRUCTION	REMARKS
	NA	5,3,13,15	10	MEDIUM BROWN SILTY CLAY WITH FINE ANGULAR GRAVEL	0		START WORK 4-19-96.
5		11,15,15,15	24		0		WATER LEVEL MEASURED 4-22-96, AFTER WELL INSTALLED.
10		4,6,9,10	14	SAME AS ABOVE; MOIST.	0		
15		5,6,7,10	24		0		
20		6,10,7,22	24		0		
25		24,26,27,32	20	SAME AS ABOVE; WET.	0		

WELL# MW-06 (CONT)

PERMIT# NOT APPLICABLE

DATE: APRIL 19, 1996

LOGGED BY: CAROLINE CZANK

DRILLING CO.: ADVANCED DRILLING

DRILLER: RICK EMPSON

RIG: FAILING SS-25

METHOD: 4 1/4-IN. ID HOLLOW-STEM AUGER

BORING DIA.: 6-IN.

BORING DEPTH: 33.4 FT. BGS

DEPTH TO WATER:

SURFACE ELEV.: 548.26 FT. AMSL

WELL CASING

INTERVAL: 0.19-23.4 FT. BGS

DIA.: 2-IN.

TYPE: SCHEDULE 40 PVC

T.O.C. ELEV.: 548.07 FT. AMSL

WELL SCREEN

INTERVAL: 23.4-33.4 FT. BGS

DIA.: 2-IN.

SLOT SIZE: 0.010-IN.

WELL DEVELOPMENT

TIME: 18 MINUTES (TOTAL)

METHOD: RIG PUMP

EST. YIELD: SEE COMMENTS

ENVIRON

WELL LOG

PROJECT: SA: PHASE III
HENRIETTA, NY

CASE # 02-5090C

COMMENTS:

DURING DEVELOPMENT, WELL WAS PUMPED DRY (THEN ALLOWED TO RECHARGE) FOUR TIMES, AT A RATE OF 0.9 GPM FOR EACH TIME IT WAS PUMPED DRY; CONTINUOUS YIELD COULD NOT BE SUSTAINED.

A TOTAL OF 21 GALLONS WAS RECOVERED DURING DEVELOPMENT.

5090CL1F

DEPTH (FT.)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER 6 IN.	RECOVERY (IN.)	DESCRIPTION	PID (ppm)	WELL CONSTRUCTION	REMARKS
	NA	33, 50/3"	10		0		
35				BOTTOM OF BORING @ 33.4 FT.			DIFFICULT TO IDENTIFY TOP OF WATER TABLE DURING DRILLING (USING OBSERVATIONS OF MOISTURE CONTENT OF SOIL IN SPLIT-SPOON SAMPLES).
40							
45							
50							
55							

WELL# MW-07

PERMIT# NOT APPLICABLE

DATE: APRIL 23, 1996

LOGGED BY: CAROLINE CZANK

DRILLING CO.: ADVANCED DRILLING

DRILLER: RICK EMPSON

RIG: FAILING SS-25

METHOD: 4 1/4-IN. ID HOLLOW-STEM AUGER

BORING DIA.: 6-IN.

BORING DEPTH: 18.2 FT. BGS

DEPTH TO WATER:

SURFACE ELEV.: 547.04 FT. AMSL

WELL CASING

INTERVAL: 0.26-8.2 FT. BGS

DIA.: 2-IN.

TYPE: SCHEDULE 40 PVC

T.O.C. ELEV.: 546.78 FT. AMSL

WELL SCREEN

INTERVAL: 8.2-18.2 FT. BGS

DIA.: 2-IN.

SLOT SIZE: 0.010-IN.

WELL DEVELOPMENT

TIME: 19 MINUTES

METHOD: RIG PUMP

EST. YIELD: SEE COMMENTS

ENVIRON

WELL LOG

PROJECT: SA: PHASE III
HENRIETTA, NY

CASE #: 02-5090C

COMMENTS:

DURING DEVELOPMENT, WELL WAS PUMPED DRY (THEN ALLOWED TO RECHARGE) FOUR TIMES, AT A RATE OF 0.9 GPM FOR EACH TIME IT WAS PUMPED DRY; CONTINUOUS YIELD COULD NOT BE SUSTAINED.

A TOTAL OF 17 GALLONS WAS RECOVERED DURING DEVELOPMENT.

5090CL1G

DEPTH (FT.)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER 6 IN.	RECOVERY (IN.)	DESCRIPTION	PID (ppm)	WELL CONSTRUCTION	REMARKS
		3,6,7,9	18	6" TOPSOIL AND GRASS	0		START WORK 4-22-96.
		11,16,22,17	0	MEDIUM BROWN SILTY CLAY	NA		
5		9,8,7,8	18	WOOD FRAGMENTS COARSE SAND; WET	0		
	SB01	6,6,7,12	18	RED-BROWN SILTY CLAY; MOIST	0.6		SOIL SAMPLE: 5090C-NY-MW07-SB01 ▼ WATER LEVEL MEASURED 4-23-96, AFTER WELL INSTALLED
10	SB02	7,10,9,9	24		6		SOIL SAMPLE: 5090C-NY-MW07-SB02
			0		NA		
	SB03	11,11,16,16	24	SAME AS ABOVE WITH ANGULAR FINE GRAVEL.	3.4		SOIL SAMPLE: 5090C-NY-MW07-SB03
15		10,12,10,14	16		0		
20				BOTTOM OF BORING @ 18.2 FT.			WELL CONSTRUCTED 4-23-96. DIFFICULT TO IDENTIFY TOP OF WATER TABLE DURING DRILLING (USING OBSERVATIONS OF MOISTURE CONTENT OF SOIL IN SPLIT-SPOON SAMPLES).
25							

APPENDIX B

Laboratory Data Report, Henrietta, NY

Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2501523
Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/ 2/96
Discard: 5/17/96

5090C-NY-MW01-GW01 Water Sample

SA: Phase III 02 5090C
M1G1- SDG#: MDT05-13

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
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
04:35:55 D 0002 4 125758 513664
050 0.00 00044200 ASR000

Getinge Confidential Information

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

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Lancaster, PA 17605-2425
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Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2501523
Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/ 2/96
Discard: 5/17/96

5090C-NY-MW01-GW01 Water Sample

SA: Phase III 02-5090C
M1G1- SDG#: MDT05-13

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

P.O. 02-5090C
Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
CL Volatiles by 8240 - Water				
258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
1494	Chloroethane	N.D.	5.	ug/l
1497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
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	860.	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	13.	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

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PO Box 12425
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Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2501523
Collected: 04/26/96 by CC

Submitted: 04/27/96

5090C-NY-MW01-GW01 Water Sample

SA: Phase III 02 5090C
M1G1- SDG#: MDT05-13

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

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0559	Clark A. Dougherty

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A Thermo Analytical Laboratory

LLI Sample No. WW 2501524
Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/ 2/96
Discard: 5/17/96

5090C-NY-MW01-GW11 Water Sample

SA: Phase III 02-5090C
M1G11 SDG#: MDT05-14

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
1592	TCL Volatiles by 8240 - Water			

See Page 2

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Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2501524
Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/ 2/96
Discard: 5/17/96

5090C-NY-MW01-GW11 Water Sample

SA: Phase III 02 5090C
M1G11 SDG#: MDT05-14

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	1,000.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	14.	5.	ug/l

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

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&&

Analysis Repor

LABORATORY CHRONICLE

Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2501524
Collected: 04/20/96 by CC

Submitted: 04/27/96

5090C-NY-MW01-GW11 Water Sample

SA: Phase III 02-5090C
M1G11 SDG#: MDT05-14

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

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0636	Clark A. Dougherty

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Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2500741
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-MW02-GW01 Water Sample

SA: Phase III 02-5090C
50902 SDG#: MDT05-06

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
4592	TCL Volatiles by 8240 - Water			

See Page 2

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Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2500741
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-MW02-GW01 Water Sample

SA: Phase III 02-5090C
50902 SDG#: MDT05-06

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

P.O. 02-5090C
Rel.

AS RECEIVED

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

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

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Respectfully Submitted
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Group Leader, GC/MS Volatiles

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&&

Analysis Repor

LABORATORY CHRONICLE

Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2500741
Collected: 04/25/96 by CC

Submitted: 04/26/96

5090C-NY-MW02-GW01 Water Sample

SA: Phase III 02-5090C
50902 SDG#: MDT05-06

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

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0140	Clark A. Dougherty

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A Thermo Analytical Laboratory

LLI Sample No. WW 2500742
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-MW03-GW01 Water Sample

SA: Phase III 02-5090C
50903 SDG#: MDT05-07

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
4592	TCL Volatiles by 8240 - Water			

See Page 2

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Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2500742
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-MW03-GW01 Water Sample

SA: Phase III 02-5090C
50903 SDG#: MDT05-07

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

P.O. 02-5090C
Rel.

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

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Katherine A. Klinefelter at (717) 656-2300

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&&

Analysis Repor

LABORATORY CHRONICLE

Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2500742
Collected: 04/25/96 by CC

Submitted: 04/26/96

5090C-NY-MW03-GW01 Water Sample

SA: Phase III 02-5090C
50903 SDG#: MDT05-07

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

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0216	Clark A. Dougherty

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2425 New Holland Pike
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717-656-2300 Fax 717-656-2681

Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2501521
Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/ 2/96
Discard: 5/17/96

5090C-NY-MW04-GW01 Water Sample

SA: Phase III 02-5090C
M4G1- SDG#: MDT05-11

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
4592	TCL Volatiles by 8240 - Water			

See Page 2

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

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

Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2501521
Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/ 2/96
Discard: 5/17/96

5090C-NY-MW04-GW01 Water Sample

SA: Phase III 02-5090C
M4G1- SDG#: MDT05-11

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

P.O. 02-5090C
Rel.

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

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

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

&&

Analysis Repor

LABORATORY CHRONICLE

Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2501521
Collected: 04/26/96 by CC

Submitted: 04/27/96

5090C-NY-MW04-GW01 Water Sample

SA: Phase III 02.5070C
M4G1- SDG#: MDT05-11

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

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0446	Clark A. Dougherty

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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 2500740
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-MW05-GW01 Water Sample

SA: Phase III 02-5090C
50905 SDG#: MDT05-05

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
4592	TCL Volatiles by 8240 - Water			

See Page 2

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Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300
12:30:09 D 0002 7 125758 513513
050 0.00 00044200 ASR000

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Respectfully Submitted
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LLI Sample No. WW 2500740
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-MW05-GW01 Water Sample

SA: Phase III 02-5090C
50905 SDG#: MDT05-05

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	39.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	N.D.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

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

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Respectfully Submitted
Michele McClarin, B.A.
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Lancaster, PA 17605-2425
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&&

Analysis Repor

LABORATORY CHRONICLE

Lancaster Laboratories
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LLI Sample No. WW 2500740
Collected: 04/25/96 by CC

Submitted: 04/26/96

5090C-NY-MW05-GW01 Water Sample

SA: Phase III 02-5090C
50905 SDG#: MDT05-05

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

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0104	Clark A. Dougherty

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LLI Sample No. WW 2500739
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-MW06-GW01 Water Sample

SA: Phase III 02-5090C
50906 SDG#: MDT05-04

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
4592	TCL Volatiles by 8240 - Water			

See Page 2

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Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300
12:29:41 D 0002 7 125758 513513
050 40.00 00048200 ASR000

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Lancaster Laboratories
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LLI Sample No. WW 2500739
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-MW06-GW01 Water Sample

SA: Phase III 02-5090C
50906 SDG#: MDT05-04

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

P.O. 02-5090C
Rel.

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

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Respectfully Submitted
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&&

Analysis Repor

LABORATORY CHRONICLE

Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2500739
Collected: 04/25/96 by CC

Submitted: 04/26/96

5090C-NY-MW06-GW01 Water Sample

SA: Phase III 02-5090C
50906 SDG#: MDT05-04

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

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0018	Clark A. Dougherty

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A Thermo Analytical Laboratory

LLI Sample No. WW 2501522
Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/ 2/96
Discard: 5/17/96

5090C-NY-MW07-GW01 Water Sample

SA: Phase III 02-5090C
M7G1- SDG#: MDI05-12

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
4592	TCL Volatiles by 8240 - Water			

See Page 2

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Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300
04:35:33 D 0002 4 125758 513664
050 0.00 00044200 ASR000

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LLI Sample No. WW 2501522
Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/ 2/96
Discard: 5/17/96

5090C-NY-MW07-GW01 Water Sample

SA: Phase III 02-5090C
M7G1- SDG#: MDT05-12

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
1258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
3494	Chloroethane	N.D.	5.	ug/l
3497	Methylene Chloride	N.D.	5.	ug/l
3498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
3500	1,1-Dichloroethene	N.D.	5.	ug/l
3501	1,1-Dichloroethane	N.D.	5.	ug/l
3503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	200.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	2. J	5.	ug/l
6268	cis-1,2-Dichloroethene	560.	5.	ug/l

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

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

Analysis Report

LABORATORY CHRONICLE

Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2501522
Collected: 04/26/96 by CC

Submitted: 04/27/96

5090C-NY-MW07-GW01 Water Sample

SA: Phase III 02-5090C
M7G1- SDG#: MD105-12

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

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0522	Clark A. Dougherty

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A Thermo Analytical Laboratory

LLI Sample No. WW 2500743
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-FB01-042596 Water Sample

SA: Phase III 02-5090C
CFB01 SDG#: MDT05-08FB

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
592	TCL Volatiles by 8240 - Water			

See Page 2

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050 0.00 00044200 ASR000

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Group Leader, GC/MS Volatiles

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Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2500743
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-FB01-042596 Water Sample

SA: Phase III 02-5090C
CFB01 SDG#: MDT05-08FB

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
258	Chloromethane	N.D.	5.	ug/l
1257	Bromomethane	N.D.	5.	ug/l
3492	Vinyl Chloride	N.D.	5.	ug/l
494	Chloroethane	N.D.	5.	ug/l
497	Methylene Chloride	N.D.	5.	ug/l
498	Acetone	N.D.	20.	ug/l
3499	Carbon Disulfide	N.D.	5.	ug/l
500	1,1-Dichloroethene	N.D.	5.	ug/l
501	1,1-Dichloroethane	N.D.	5.	ug/l
503	Chloroform	N.D.	5.	ug/l
3504	1,2-Dichloroethane	N.D.	5.	ug/l
0316	2-Butanone	N.D.	10.	ug/l
505	1,1,1-Trichloroethane	N.D.	5.	ug/l
506	Carbon Tetrachloride	N.D.	5.	ug/l
507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
509	1,2-Dichloropropane	N.D.	5.	ug/l
516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
511	Trichloroethene	N.D.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
515	Benzene	N.D.	5.	ug/l
510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
522	Tetrachloroethene	N.D.	5.	ug/l
523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
526	Ethylbenzene	N.D.	5.	ug/l
528	Styrene	N.D.	5.	ug/l
529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

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

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

Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2500743
Collected: 04/25/96 by CC

Submitted: 04/26/96

5090C-NY-FB01-042596 Water Sample

SA: Phase III 02-5090C
CFB01 SDG#: MDT05-08FB

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

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0252	Clark A. Dougherty

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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 2501540
Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/ 2/96
Discard: 5/10/96

5090C-NY-TB02-042696 Water Sample

SA: Phase III 02-5090C
TB-02 SDG#: MDT05-15TB*

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
4592	TCL Volatiles by 8240 - Water			

See Page 2.

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Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300
04:36:46 D 0002 1 125758 513672
050 40.00 00048200 ASR000

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

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PO Box 12425
Lancaster PA 17605-2425

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LLI Sample No. WW 2501540
Collected: 4/26/96 by CC

Submitted: 4/27/96 Reported: 5/ 2/96
Discard: 5/10/96

5090C-NY-TB02-04269& Water Sample

SA: Phase III 02 5090C
TB-02 SDG#: MDT05-15TB*

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

P.O. 02-5090C
Rel.

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

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

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

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PO Box 12425
Lancaster, PA 17605-2425
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&&

Analysis Report

LABORATORY CHRONICLE

Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. WW 2501540
Collected: 04/26/96 by CC

Submitted: 04/27/96

5090C-NY-TB02-042696 Water Sample

SA: Phase III 05090C
TB-02 SDG#: MDT05 [illegible]

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

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0801	David P. Chandler, Jr.

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LLI Sample No. WW 2500744
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-FB02-042596 Water Sample

SA: Phase III 02-5090C
CFB02 SDG#: MDT05-09FB

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
4592	TCL Volatiles by 8240 - Water			

See Page 2

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12:32:19 D 0002 7 125758 513513
050 0.00 00044200 ASR000

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Michele McClarin, B.A.
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LLI Sample No. WW 2500744
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-FB02-042596 Water Sample

SA: Phase III 02-5090C
CFB02 SDG#: MDT05-09FB

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED 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
10316	2-Butanone	N.D.	10.	ug/l
3505	1,1,1-Trichloroethane	N.D.	5.	ug/l
3506	Carbon Tetrachloride	N.D.	5.	ug/l
3507	Vinyl Acetate	N.D.	10.	ug/l
3508	Bromodichloromethane	N.D.	5.	ug/l
3509	1,2-Dichloropropane	N.D.	5.	ug/l
3516	cis-1,3-Dichloropropene	N.D.	5.	ug/l
3511	Trichloroethene	N.D.	5.	ug/l
3512	Dibromochloromethane	N.D.	5.	ug/l
3513	1,1,2-Trichloroethane	N.D.	5.	ug/l
3515	Benzene	N.D.	5.	ug/l
3510	trans-1,3-Dichloropropene	N.D.	5.	ug/l
3518	Bromoform	N.D.	5.	ug/l
3521	4-Methyl-2-pentanone	N.D.	10.	ug/l
3520	2-Hexanone	N.D.	10.	ug/l
3522	Tetrachloroethene	N.D.	5.	ug/l
3523	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/l
3524	Toluene	N.D.	5.	ug/l
3525	Chlorobenzene	N.D.	5.	ug/l
3526	Ethylbenzene	N.D.	5.	ug/l
3528	Styrene	N.D.	5.	ug/l
3529	Xylene (total)	N.D.	5.	ug/l
5780	trans-1,2-Dichloroethene	N.D.	5.	ug/l
6268	cis-1,2-Dichloroethene	N.D.	5.	ug/l

Questions? Contact your Client Services Representative
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Michele McClarin, B.A.
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&&

Analysis Repor

LABORATORY CHRONICLE

Lancaster Laboratories
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LLI Sample No. WW 2500744
Collected: 04/25/96 by CC

Submitted: 04/26/96

5090C-NY-FB02-042596 Water Sample

SA: Phase III 02-5090C
CFB02 SDG#: MDT05-09FB

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

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0328	Clark A. Dougherty

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LLI Sample No. WW 2500745
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-TB01-042596 Water Sample

SA: Phase III . 02-5090C
CTB01 SDG#: MDT05-10TB

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
592	TCL Volatiles by 8240 - Water			

See Page 2

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12:32:56 D 0002 7 125758 513513
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LLI Sample No. WW 2500745
Collected: 4/25/96 by CC

Submitted: 4/26/96 Reported: 5/ 1/96
Discard: 5/ 9/96

5090C-NY-TB01-042596 Water Sample

SA: Phase III 02-5090C
CTB01 SDG#: MDT05-10TB

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

P.O. 02-5090C
Rel.

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

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

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

LABORATORY CHRONICLE

Lancaster Laboratories
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LLI Sample No. WW 2500745
Collected: 04/25/96 by CC

Submitted: 04/26/96

5090C-NY-TB01-042596 Water Sample

SA: Phase III 02-5090C
CTB01 SDG#: MDT05-10TB

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

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4592	TCL Volatiles by 8240 - Water	SW-846 8240B	1	04/30/96 0404	Clark A. Dougherty

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A Thermo Analytical Laboratory

LLI Sample No. SW 2499216
Collected: 4/22/96 by CC

Submitted: 4/24/96 Reported: 4/30/96
Discard: 5/15/96

5090C-NY-MW07-SB01 Soil Sample
SA: Phase III 02-5090C
MDT - Rochester, NY
7SBQ1 SDG#: MDT05-01

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	AS RECEIVED LIMIT OF QUANTITATION	AS RECEIVED UNITS	DRY WEIGHT RESULTS	DRY WEIGHT LIMIT OF QUANTITATION
4593	TCL Volatiles by 8240			See Page 2		
2111	Moisture	13.8	0.5	% by wt.		

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

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Katherine A. Klinefelter at (717) 656-2300
03:55:27 D 0002 3 125758 513119
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Respectfully Submitted
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Group Leader, GC/MS Volatiles

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Lancaster PA 17605-2425
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Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. SW 2499216
Collected: 4/22/96 by CC

Submitted: 4/24/96 Reported: 4/30/96
Discard: 5/15/96

5090C-NY-MW07-SB01 Soil Sample
SA: Phase III 02-5090C
MDT - Rochester, NY
7SB01 SDG#: MDT05-01

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS	DRY WEIGHT RESULTS	LIMIT OF QUANTITATION
TCL Volatiles by 8240						
434	Chloromethane	N.D.	5.	ug/kg	N.D.	6.
3435	Bromomethane	N.D.	5.	ug/kg	N.D.	6.
8436	Vinyl Chloride	N.D.	5.	ug/kg	N.D.	6.
437	Chloroethane	N.D.	5.	ug/kg	N.D.	6.
440	Methylene Chloride	21.	5.	ug/kg	25.	6.
4074	Acetone	12. J	20.	ug/kg	14. J	23.
4076	Carbon Disulfide	N.D.	5.	ug/kg	N.D.	6.
1180	1,1-Dichloroethene	N.D.	5.	ug/kg	N.D.	6.
442	1,1-Dichloroethane	N.D.	5.	ug/kg	N.D.	6.
444	Chloroform	1. J	5.	ug/kg	1. J	6.
3445	1,2-Dichloroethane	N.D.	5.	ug/kg	N.D.	6.
4085	2-Butanone	N.D.	10.	ug/kg	N.D.	12.
446	1,1,1-Trichloroethane	N.D.	5.	ug/kg	N.D.	6.
447	Carbon Tetrachloride	N.D.	5.	ug/kg	N.D.	6.
4091	Vinyl Acetate	N.D.	10.	ug/kg	N.D.	12.
8448	Bromodichloromethane	N.D.	5.	ug/kg	N.D.	6.
8450	1,2-Dichloropropane	N.D.	5.	ug/kg	N.D.	6.
454	cis-1,3-Dichloropropene	N.D.	5.	ug/kg	N.D.	6.
181	Trichloroethene	10.	5.	ug/kg	12.	6.
3452	Dibromochloromethane	N.D.	5.	ug/kg	N.D.	6.
453	1,1,2-Trichloroethane	N.D.	5.	ug/kg	N.D.	6.
182	Benzene	N.D.	5.	ug/kg	N.D.	6.
451	trans-1,3-Dichloropropene	N.D.	5.	ug/kg	N.D.	6.
456	Bromoform	N.D.	5.	ug/kg	N.D.	6.
4108	4-Methyl-2-pentanone	N.D.	10.	ug/kg	N.D.	12.
8107	2-Hexanone	N.D.	10.	ug/kg	N.D.	12.
457	Tetrachloroethene	N.D.	5.	ug/kg	N.D.	6.
449	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/kg	N.D.	6.
1183	Toluene	N.D.	5.	ug/kg	N.D.	6.
4184	Chlorobenzene	N.D.	5.	ug/kg	N.D.	6.
458	Ethylbenzene	N.D.	5.	ug/kg	N.D.	6.
117	Styrene	N.D.	5.	ug/kg	N.D.	6.
355	Xylene (total)	N.D.	5.	ug/kg	N.D.	6.
6187	trans-1,2-Dichloroethene	N.D.	5.	ug/kg	N.D.	6.
6277	cis-1,2-Dichloroethene	10.	5.	ug/kg	11.	6.

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

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

Analysis Report

LABORATORY CHRONICLE

Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. SW 2499216
Collected: 04/22/96 by CC

Submitted: 04/24/96

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

5090C-NY-MW07-SB01 Soil Sample
SA: Phase III 02-5090C
MDT - Rochester, NY
7SB01 SDG#: MDT05-01

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4593	TCL Volatiles by 8240	SW-846 8240B	1	04/26/96 2316	Lawrence M. Taylor
2111	Moisture	EPA 160.3 modified	1	04/25/96 0340	Lee L. Munro

Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. SW 2499217
Collected: 4/22/96 by CC

Submitted: 4/24/96 Reported: 4/30/96
Discard: 5/15/96

5090C-NY-MW07-SB02 Soil Sample
SA: Phase III 02-5090C
MDT - Rochester, NY
7SB02 SDG#: MDT05-02

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	AS RECEIVED LIMIT OF QUANTITATION	UNITS	DRY WEIGHT RESULTS	DRY WEIGHT LIMIT OF QUANTITATION
593	TCL Volatiles by 8240			See Page 2		
111	Moisture	10.2	0.5	% by wt.		

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

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Questions? Contact your Client Services Representative
Katherine A. Klinefelter at (717) 656-2300
03:55:49 D 0002 3 125758 513119
050 0.00 00048450 ASR000

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

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Lancaster, PA 17605-2425
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Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. SW 2499217
Collected: 4/22/96 by CC

Submitted: 4/24/96 Reported: 4/30/96
Discard: 5/15/96

5090C-NY-MW07-SB02 Soil Sample
SA: Phase III 02-5090C
MDT - Rochester, NY
7SB02 SDG#: MDT05-02

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS	DRY WEIGHT RESULTS	LIMIT OF QUANTITATION
TCL Volatiles by 8240						
3434	Chloromethane	N.D.	5.	ug/kg	N.D.	6.
3435	Bromomethane	N.D.	5.	ug/kg	N.D.	6.
3436	Vinyl Chloride	N.D.	5.	ug/kg	N.D.	6.
3437	Chloroethane	N.D.	5.	ug/kg	N.D.	6.
3440	Methylene Chloride	11.	5.	ug/kg	12.	6.
4074	Acetone	9. J	20.	ug/kg	10. J	22.
4076	Carbon Disulfide	N.D.	5.	ug/kg	N.D.	6.
3180	1,1-Dichloroethene	N.D.	5.	ug/kg	N.D.	6.
3442	1,1-Dichloroethane	N.D.	5.	ug/kg	N.D.	6.
3444	Chloroform	N.D.	5.	ug/kg	N.D.	6.
3445	1,2-Dichloroethane	N.D.	5.	ug/kg	N.D.	6.
4085	2-Butanone	N.D.	10.	ug/kg	N.D.	11.
3446	1,1,1-Trichloroethane	N.D.	5.	ug/kg	N.D.	6.
3447	Carbon Tetrachloride	N.D.	5.	ug/kg	N.D.	6.
4091	Vinyl Acetate	N.D.	10.	ug/kg	N.D.	11.
3448	Bromodichloromethane	N.D.	5.	ug/kg	N.D.	6.
3450	1,2-Dichloropropane	N.D.	5.	ug/kg	N.D.	6.
3454	cis-1,3-Dichloropropene	N.D.	5.	ug/kg	N.D.	6.
3181	Trichloroethene	6.	5.	ug/kg	6.	6.
3452	Dibromochloromethane	N.D.	5.	ug/kg	N.D.	6.
3453	1,1,2-Trichloroethane	N.D.	5.	ug/kg	N.D.	6.
3182	Benzene	N.D.	5.	ug/kg	N.D.	6.
3451	trans-1,3-Dichloropropene	N.D.	5.	ug/kg	N.D.	6.
3456	Bromoform	N.D.	5.	ug/kg	N.D.	6.
4108	4-Methyl-2-pentanone	N.D.	10.	ug/kg	N.D.	11.
4107	2-Hexanone	N.D.	10.	ug/kg	N.D.	11.
3457	Tetrachloroethene	N.D.	5.	ug/kg	N.D.	6.
3449	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/kg	N.D.	6.
1183	Toluene	N.D.	5.	ug/kg	N.D.	6.
1184	Chlorobenzene	N.D.	5.	ug/kg	N.D.	6.
3458	Ethylbenzene	N.D.	5.	ug/kg	N.D.	6.
4117	Styrene	N.D.	5.	ug/kg	N.D.	6.
3355	Xylene (total)	N.D.	5.	ug/kg	N.D.	6.
6187	trans-1,2-Dichloroethene	N.D.	5.	ug/kg	N.D.	6.
3277	cis-1,2-Dichloroethene	16.	5.	ug/kg	18.	6.

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

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Respectfully Submitted
Michele McClarin, B.A.
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Analysis Repor

LABORATORY CHRONICLE

Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. SW 2499217
Collected: 04/22/96 by CC

Submitted: 04/24/96

5090C-NY-MW07-SB02 Soil Sample
SA: Phase III 02-5090C
MDT - Rochester, NY
7SB02 SDG#: MDT05-02

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

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4593	TCL Volatiles by 8240	SW-846 8240B	1	04/26/96 2358	L. Alberto Rodgiguez
2111	Moisture	EPA 160.3 modified	1	04/25/96 0353	Lee L. Munro

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PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

Lancaster Laboratories
A Thermo Analytical Laboratory

LLI Sample No. SW 2499218
Collected: 4/22/96 by CC

Submitted: 4/24/96 Reported: 4/30/96
Discard: 5/15/96

5090C-NY-MW07-SB03 Soil Sample
SA: Phase III 02-5090C
MDT - Rochester, NY
7SB03 SDG#: MDT05-03

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

P.O. 02-5090C
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS	DRY WEIGHT RESULTS	LIMIT OF QUANTITATION
	TCL Volatiles by 8240					
3434	Chloromethane	N.D.	5.	ug/kg	N.D.	6.
3435	Bromomethane	N.D.	5.	ug/kg	N.D.	6.
3436	Vinyl Chloride	N.D.	5.	ug/kg	N.D.	6.
3437	Chloroethane	N.D.	5.	ug/kg	N.D.	6.
3440	Methylene Chloride	4. J	5.	ug/kg	5. J	6.
4074	Acetone	11. J	20.	ug/kg	13. J	22.
4076	Carbon Disulfide	N.D.	5.	ug/kg	N.D.	6.
1180	1,1-Dichloroethene	N.D.	5.	ug/kg	N.D.	6.
3442	1,1-Dichloroethane	N.D.	5.	ug/kg	N.D.	6.
3444	Chloroform	N.D.	5.	ug/kg	N.D.	6.
3445	1,2-Dichloroethane	N.D.	5.	ug/kg	N.D.	6.
4085	2-Butanone	N.D.	10.	ug/kg	N.D.	11.
3446	1,1,1-Trichloroethane	N.D.	5.	ug/kg	N.D.	6.
3447	Carbon Tetrachloride	N.D.	5.	ug/kg	N.D.	6.
4091	Vinyl Acetate	N.D.	10.	ug/kg	N.D.	11.
3448	Bromodichloromethane	N.D.	5.	ug/kg	N.D.	6.
3450	1,2-Dichloropropane	N.D.	5.	ug/kg	N.D.	6.
3454	cis-1,3-Dichloropropene	N.D.	5.	ug/kg	N.D.	6.
1181	Trichloroethene	15.	5.	ug/kg	17.	6.
3452	Dibromochloromethane	N.D.	5.	ug/kg	N.D.	6.
3453	1,1,2-Trichloroethane	N.D.	5.	ug/kg	N.D.	6.
1182	Benzene	N.D.	5.	ug/kg	N.D.	6.
3451	trans-1,3-Dichloropropene	N.D.	5.	ug/kg	N.D.	6.
3456	Bromoform	N.D.	5.	ug/kg	N.D.	6.
4108	4-Methyl-2-pentanone	N.D.	10.	ug/kg	N.D.	11.
4107	2-Hexanone	N.D.	10.	ug/kg	N.D.	11.
3457	Tetrachloroethene	N.D.	5.	ug/kg	N.D.	6.
3449	1,1,2,2-Tetrachloroethane	N.D.	5.	ug/kg	N.D.	6.
1183	Toluene	N.D.	5.	ug/kg	N.D.	6.
1184	Chlorobenzene	N.D.	5.	ug/kg	N.D.	6.
3458	Ethylbenzene	N.D.	5.	ug/kg	N.D.	6.
4117	Styrene	N.D.	5.	ug/kg	N.D.	6.
3355	Xylene (total)	N.D.	5.	ug/kg	N.D.	6.
6187	trans-1,2-Dichloroethene	N.D.	5.	ug/kg	N.D.	6.
6277	cis-1,2-Dichloroethene	15.	5.	ug/kg	17.	6.

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

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

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

5090C-NY-MW07-SB03 Soil Sample
SA: Phase III 02-5090C
MDT - Rochester, NY
7SB03 SDG#: MD105-03

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
4593	TCL Volatiles by 8240	SW-846 8240B	1	04/27/96 0032	L. Alberto Rodgiguez
2111	Moisture	EPA 160.3 modified	1	04/25/96 0403	Lee L. Munro

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