VOLUNTARY CLEANUP PROGRAM
SITE INVESTIGATION/REMEDIAL ALTERNATIVES REPORT

ROCO, LTD SITE
1746 DALE ROAD
CHEEKTOWAGA, NEW YORK

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1.0 INTRODUCTION

Leader Professional Services, Inc. ("Leader") was retained by Jaeckle, Fleischmann & Mugel, LLP ("JFM") to prepare a Site Investigation/Remedial Alternatives Report, under the Voluntary Cleanup Program ("VCP") guidelines, for the property at 1746 Dale Road, Cheektowaga, Erie County, New York (hereafter referred to as "the Site"). Figure 1 is a Site Location Map.

1.1 LOCATION AND LEGAL DESCRIPTION OF THE SITE

The Site is located on the northwest corner of Dale Road and Anderson Road and is part of lot No. 24, Township 11, Range 7 (Section, Lot and Block No. 102.03-2-30) and has the following coordinates: Latitude (North) 42.904900 - 42° 54' 17.6" and Longitude (West) 78.771851 - 78° 46' 18.7".

The Site is owned by RoCo, Ltd. (formerly known as the Rotary Company, Inc.) and is currently comprised of one single-story building structure of approximately 33,000 square-feet. The Rotary Company, Inc. sold certain assets including its name to the Husvar Group in 1994. The company then changed its name to RoCo, Ltd. The Husvar Group leased the Site from RoCo, Ltd. in 1994 to approximately 1998. In 1999 the Site was leased to Diversified Manufacturing, Inc. The Site is currently leased to Upstate Farms Cooperative, Inc. for warehouse space.

1.2 SITE AND VICINITY CHARACTERISTICS

The Site is zoned for commercial and light manufacturing. The closest body of water to the Site is Cayuga Creek, which is located approximately 1.5 miles southeast of the Site. The properties in the general vicinity of the Site are light industrial companies. Davis Electrical Supply Company (SBL No.102.03-2-29) is adjacent to the Site to the north and operates as a commercial electrical lighting equipment distributor. Prior to 1949, Kolk Manufacturing operated at this location as a cutlery manufacturer and metal fabricator.

Anderson Road forms the eastern boundary of the Site and Dale Road forms the southern boundary. Upstate Farms Cooperative, Inc. (SBL No.102.03-2-20) is the adjacent property to the west. Figure 2 shows the Tax Map for the Site and the neighboring properties.

1.3 Description Of The Site Structures

The Site is irregular in shape with one irregularly shaped building structure. Refer to Figure 3 for a Site Plan that depicts the Site's layout and building locations. The building was built in approximately 1946 and is comprised of cement block, and slab-on-grade construction. The Site has a total street frontage on Dale Road of approximately 365 feet and a total street frontage on Anderson Road of approximately 220 feet. The Upstate Farms Cooperative, Inc. property abuts the Site to the west with Davis Electric Supply Company property to the north. The building encompasses the majority of the Site with an asphalt parking area located in the eastern portion of the Site.

1.4 Nearby Public Areas Of Concern

The Niagara Transformer Corporation is located south of the Site across Dale Road. A Remedial Investigation/Feasibility Study ("RI/FS") and remedial design activities have been conducted at this facility to access and remediate a release of polychlorinated biphenyl ("PCB") contamination. Based on the investigations done at this facility and the fact that groundwater and surface flow directions appear to be in a southerly direction, it is unlikely that the Site has been impacted due to migration of contamination from the Niagara Transformer Corporation.

Public areas of concern located in close proximity to the Site are: 1) St. Joseph's Hospital, located approximately 0.8 miles northwest of the Site; and 2) Cheektowaga Central High School and Union Road School, both located approximately 1.6 miles northeast of the Site. The Walden Galleria Mall is located approximately 0.8 miles to the northeast and the Thruway Mall is located approximately 0.4 miles west of the Site. The

Upstate Farms Cooperative, Inc. facility is located adjacent to the Site to the west and the St. Adalbert Cemetery is located across Dale Road, southwest of the Site.

1.5 Site History

The following sections summarize available historical information for the previous 50 years.

1.5.1 History of the Site Transactions

Below is a summary of the property transactions associated with the Site.

	Approximate Year of Purchase
Careo Oxygen Corporation	1924
General American Transportation Corp. (Formerly General American Tank Car Corp.)	pre-1946
Walden Properties	1946
W. Weiss and others	1949
The Rotary Company, Inc.	1954
RoCo, Ltd.	1994

1.5.2 Previous Site Uses

In approximately 1924, the Careo-Oxygen Co. Air Reduction Plant operated on-Site. Two railroad lines, branching to four lines, traversed the eastern portion of the Site. The buildings associated with this air reduction plant were removed and the Site was vacant up to the construction of the current building structure in approximately 1946. The manufacturing operations in the current structure are summarized in Sections 1.5.3.

1.5.3 Type Of Operations And Chemical Substances Used Or Manufactured

The on-Site operations since the building's initial construction were reportedly precision sheet metal fabrication, metal weldments, and assemblies. In addition to these activities, there were manufacturing, shearing, punching, forming, stamping, machining, painting and silk screening, metal preparation and finishing. The materials involved in the manufacturing process included stainless steel, aluminum, brass, copper, exotic metals, specialty metals, extrusions, and plastics.

Mr. William M. Weiss, the current president of RoCo, Ltd., worked at the Site on Saturdays and summers from the early 1950s through 1956. Mr. Weiss also visited the Site many times each year from 1956 through 1979. From 1980 through 1994, Mr. Weiss was president of the company. Based on his recollection over the period spanning the early 1950s through 1994, the only process chemicals used, except for the paint and paint-related materials, occurred in the Metal Prep Room. The Metal Prep Room is located in the northwest corner of the facility. Metal cleaning in preparation for painting and aluminum iriditing were the only processes conducted in this area.

The information presented below regarding on-Site chemical usage was obtained from the 1998 Phase I Environmental Site Assessment ("ESA") performed by Panamerican Environmental, Inc. The chemicals observed and their locations (see Figure 3) were reported as follows:

1. Shipping and Receiving Area
    - pH Buffer Solutions
    - Glypure EG Crystal Clear
    - Antifreeze Extender
2. Silk Screen Storage Area
    - Flammable Storage Cabinet for Inks & Resins
    - Floor Drain
3. Painting Room Area
    - Paint Spray Booths (2)

- 55-gallon container for empty containers and rags (solvent odor noted)
- Flammable Storage Cabinets (3) for solvents (i.e., toluene) and spray cans
- Hazardous waste accumulation area containing a 55-gallon drum (grounded) labeled "Waste Paint Loose Pack" – Waste Code D001, F003)

4. Metal Preparation/Processing Area

This area contained 10 approximately 600-gallon dip tanks that were labeled as follows:

- Iron Phosphate
- Phosphoric Acid
- Chromic Cyanide
- Sulfuric Acid
- Hot Water
- Caustic Soda
- Cold Water
- Alkaline Cleaner
- Nitric Acid
- Water Rinse

An L-shaped cement trough was located behind the tanks. The trough reportedly drains to the sanitary sewer line. Air vents, open to the exterior environment are located at the base of the trough. Drainpipes for overflow were also observed within this area as well as a manhole sewer drain and a floor drain beneath a hand-washing sink. A 55-gallon drum storage area was also located in this room containing the following chemicals:

- Acid Deoxidizer 2213
- Chem Cote 3057 Iron Phosphate
- Chem Clean 1220 Alkaline Cleaner
- Chem Etch 7100
- Mineral Spirits

A green-colored liquid was observed spilled on the floor and an old white-colored stain was observed in the area of the dip tanks.

5. Grinding Room Area – contained a Paint Storage Room and a Flammable Liquids Room

   Paint Storage Room

   - Three 55-gallon containers without labels – marked full
   - 30 to 40 paint cans on shelves
   - Polyurethene enamel
   - Mill Special paint
   - A 1-gallon container of Toluene
   - 5-gallon container of a Curing Agent

   Flammable Liquids Room

   - Three 55-gallon drums
   - Containers of thinner, catalyst and finisher

6. Compressor and Boiler Room

   Numerous 5-gallon containers of oil and grease (some were observed to be opened) were present. Spills and leaks on the floor were observed within this area as well as a floor drain that reportedly connects to the sewer. A cabinet located just outside of the doorway to this room contained containers of enamel, spray paint, lubricants, and brake cleaner.

7. Electrical Room
   - Numerous pieces of electrical equipment were observed (No labeling pertaining to PCB oils)

8. Receiving/Shear and Punch/Assembly Area
   - A dehumidifier with a 5-gallon container of oily water mixture was observed.

9. Compressor Room

   This area was designated as a Hazardous Waste Storage Area. Seventeen (17) 55-gallon drums were observed, filled with the following chemicals:

   - Phosphate (3) 55-gallon drums
   - Chem Seal 3601 (5) 55-gallon drums
   - Chemcid 2213 (2) 55-gallon drums
   - Etch Caustic Soda (3) 55-gallon drums
   - Chemcid 2213 (4) 55-gallon drums
   - Glycerin (2) 1-gallon containers

10. Scrap Drum Area

    A scrap drum area was located on the north side of the building. Fourteen (14) empty drums were observed in this area. The area was enclosed with a fence and also contained scrap metal and miscellaneous discarded materials.

1.5.4 Information Regarding Spills Or Other Releases Of Chemical Substances On The Site

As previously mentioned, the Panamerican ESA identified a green-colored liquid spilled on the concrete floor and a white-colored stain was observed in the area of the dip tanks within the Metal Preparation/Processing Area. Spills and leaks on the floor were observed within the Compressor and Boiler Room area. There have been no reported releases outside the building.

1.5.5 Review Of Existing Aerial Or Other Photographs Of The Site

The 1924 Sanborn map indicated that the Site operated as the Careo-Oxygen Company Air Reduction Plant. The plant was located primarily in the southwestern portion of the Site; however, there was a small structure located in the northeast corner of the Site. The Buffalo Steel Car Co., Inc. was located east of the Site. Two railroad lines entered the

Site from the southeast and then branched into four-five different lines before exiting the Site to the north.

The 1939 Sanborn Map indicated that no building structures were located on-Site at this time; however, the railroad lines were still present. The small building was no longer present and the structure previously noted as the Buffalo Steel Car Co., Inc. was listed as vacant.

The 1949 Sanborn Map indicated that a building structure was located in the southwest portion of the Site. A small portion of a larger building structure abutted the Site along the northern border. The previous location of the Buffalo Steel Car Co., Inc. included some building additions and was labeled as Road Machinery Sales & Service.

The 1959 Sanborn Map indicated that the Rotary Co., Inc. operated on-Site. The building footprint showed the building slightly smaller than it exists today. The building additions to the east and west were not included at this time. The neighboring property to the north was the Kolk Manufacturing Company, manufacturers of cutlery and metal stampings. The building structure was primarily located in the eastern portion of the property and had the same footprint as the current building structures used by Davis Electrical Supply Company. There were no building structures visible on the adjoining property to the west.

1.6 Regulatory History

The Site historically operated under both air and wastewater permits and completed SARA and NYS Hazardous Material Reporting. The Site's air permits were registered with the NYSDEC Division of Air. An odor complaint to the NYSDEC in January 1998 resulted in a change in elevation of the Site's stack height.

The Site discharged wastewater from the facility to the Town of Cheektowaga and the Buffalo Municipal Sewer System under a permit by the Buffalo Sewer Authority (TC/BPDES Permit No. 98-01-CH001). Semi-annual monitoring reports were submitted

for monitoring the wastewater discharged from the metal preparation line, which released wastewater to the floor drain and subsequently discharged to the municipal sewer system. No exceedences were noted in the Town of Cheektowaga records.

The October 18, 1998 Panamerican Environmental, Inc. Phase I ESA noted that a number of 55-gallon drums and containers were observed during the Site reconnaissance. The Site was designated as a small quantity generator of hazardous waste under RCRA. Heritage Environmental Services, Inc. of Indianapolis, Indiana, transported and disposed of the Site's hazardous waste. The Phase I ESA reported that records were reviewed indicating that the Site had completed USEPA and NYSDEC hazardous waste and hazardous material reports, had records of waste analysis, and had satisfied RCRA and SARA reporting requirements. The USEPA completed a hazardous waste compliance inspection at the Site in 1992 with no reported violations; however, a 1996 NYSDEC hazardous waste compliance inspection reported some violations requiring corrective action. According to the database search performed on the Site by Environmental Data Resources, Inc., the Site was listed in the following environmental databases:

1) RCRA Small Quantity Generator database ("RCRIS-SQG")

   This database is associated with waste storage operations. Two violations were noted associated with generator land band requirements and other generator requirements.

2) The Facility Index System ("FINDS") list.

   The Site description as reported under the CERCLIS-NFRAP section states that approximately 92 kg of spent plating bath solutions is generated on a weekly basis from electroplating operations. Of this 92 kg, 0.2 kg contains chromium-bearing salts, which are used as an inorganic paint pigment.

3) The Comprehensive Environmental Response Compensation, and Liability Information System ("CERCLIS") and No Further Remedial Action Planned ("NFRAP") database.

No details were available on this listing; however, this database contains sites that have been removed from the CERCLIS database.

4) Hazardous Waste Disposal Inventory ("HSWDS") database.

This database includes known, suspected, or de-listed hazardous substance waste disposal sites. The Phase I ESA notes that the Site may have been in this database due to a Preliminary Assessment ("PA") having been completed on the facility in 1986 by the US EPA. No further action was required. The NY HSWDS section indicates that the Site is a commercial paint facility. In addition, the Site reportedly operated as an electroplater.

1.7 Previous Studies

Several studies have been completed for the Site. Additionally, a Phase II ESA was conducted immediately west of the Site on Upstate Farms Cooperative, Inc. property. An October 19, 1998 Phase I ESA was performed by Panamerican Environmental, Inc. for Mr. Charles Husvar, the President of The Rotary Company, Inc. (formerly known as the Husvar Group). The Rotary Company was leasing the Site from the current owner, RoCo, Ltd. The Phase I ESA identified some issues of environmental concern such as: 1) flammable storage areas; 2) three separate waste storage areas (no secondary containment was noted for one of these areas); 3) floor stains and minor spills were observed in some areas; 4) staining and discoloration was observed surrounding various dip tanks and around a waste drum within a waste storage area adjacent to the press break room; and 5) stains and signs of spillage were observed surrounding a number of opened 5-gallon containers of oil and grease in the compressor/boiler room.

An October 1999 Phase II ESA was completed by Panamerican Environmental, Inc. for Upstate Farms Cooperative, Inc. and Harter, Secrest & Emery. This Phase II ESA was performed at the Site to assess the potential for subsurface contamination. The results of this subsurface investigation indicated that organic solvent contamination was detected above the NYSDEC Technical and Administrative Guidance Memorandum:

Determination of Soil Cleanup Objectives and Cleanup Levels ("TAGM") No. 4046 guidelines dated January 24, 1994. A number of analytes were detected; however, two compounds (trichloroethene and vinyl chloride) were above the NYSDEC TAGM 4046 guidance values (see Table 1 – Previous Studies Soil Analysis). Some RCRA metals were detected below NYSDEC TAGM 4046 guidance values; however, B5 results indicated RCRA metals; cadmium, chromium and mercury were detected slightly above TAGM 4046 guidance values. B5 is located at the base of the driveway of Davis Electrical Supply Company along Anderson Avenue.

A March 3, 2000 Analytical Data/Soil Investigation Report was prepared by Frontier Technical Associates, Inc. for RoCo, Ltd. This report was prepared to assess the possible presence of volatile organic compounds ("VOCs") at the Site. The results of the investigation indicated that VOCs were detected above the NYSDEC TAGM 4046 guidelines. Table 1 lists the seven VOCs detected and their concentrations. According to the report, trichloroethene and tetrachloroethene were the most commonly found compounds. The other compounds detected could potentially have resulted from the breakdown of the trichloroethene and the tetrachloroethene through chemical and microbial decomposition of chlorinated solvents or trace constituents present in other reagents. No groundwater was encountered during this investigation. The presence of VOCs appears to be primarily located in the northwest portion of the Site at depths ranging between 2–12 feet.

A July 2000 Phase II ESA was prepared by TriTech Environmental Health and Safety, Inc. for Upstate Farms Cooperative, Inc. and Harter, Secrest & Emery. The Phase II ESA was performed at the neighboring property, west of the Site. The investigation was completed to assess the potential for subsurface contamination adjacent to the RoCo, Ltd. Site. This study detected VOC contamination in the southeast portion of Upstate's property at depths ranging between 4-12 feet. The highest VOC contamination encountered was bordering the RoCo, Ltd. Site.

1.8 Description Of Intended Site Use

The Site is currently leased to Upstate Farms Cooperative, Inc., which uses the facility as a warehouse. The future intended use of the Site is commercial and industrial.

1.9 Purpose

Previous studies detected chlorinated organic compounds (e.g., primarily trichloroethene ["TCE"] and tetrachloroethene ["PCE"]) in subsurface soil samples from the Site and the Upstate Farms Cooperative, Inc. property. These compounds were found at the Site, and the limits of the contamination were not identified to the north, south or east. The purpose of this VCP study was to further delineate the extent of contamination in soil and groundwater, to quantify the mass and volume of impacted soil and groundwater and to identify a cost effective remedial alternative for the Site.

1.10 Scope of Work

Task 1: Review of Background Information and Site Reconnaissance

Initially, Leader reviewed available Site historical information and conducted interviews to evaluate the past use of the Site. Leader visited the Site and observed the interior of the building to evaluate potential source areas (i.e., sump pits and floor cracks) and to assess potential boring locations.

Task 2: Project Kick-off Meeting

Leader hosted a kick-off meeting to discuss project management and communications. Additionally, Site access issues and agreements were discussed to ensure that Leader and its subcontractors had access to the Site, the Upstate Farms Cooperative, Inc. property and the Davis Electrical Supply Company property.

Task 3: Subsurface Explorations and Analytical Testing Program

The locations of the subsurface explorations were refined based on the findings of Task 1. Prior to initiation of fieldwork, Leader prepared a NYSDEC-approved Work Plan that included a Quality Assurance/Quality Control ("QA/QC") and a Site-specific Health and Safety Plan for its employees.

Leader retained Zebra Environmental, Inc. ("Zebra") to provide a track-mounted Geoprobe to the Site for three days of subsurface explorations. Approximately 19 boreholes were advanced to a depth of 16-feet (approximately 11 outside and 8 inside the building). Approximately 4 samples were collected in each boring at depths of 0-4 feet, 4-8 feet, 8-12 feet and 12-16 feet. Each soil sample was screened in the field using a PID. Twenty-four (24) soil samples were selected for analytical testing.

Based on Task 1, the results of previous studies and the PID concentrations measured during the soil sampling program, five (5) of the borings were converted into monitoring wells [4 outside (GW-1, GW-2, GW-4 and GW-5) and 1 inside the building (GW-3)]. These wells were developed and sampled in accordance with the NYSDEC protocols.

Task 4: Monitoring Well Survey and Groundwater Elevation Measurements

Following installation of the monitoring wells, the location and elevation of the monitoring points at each well (i.e., top of flush-mount well box) were surveyed. The depth to groundwater was then measured in each well and the direction of groundwater flow was estimated based on these data.

Task 5: Volume Estimate

Leader reduced the data collected in the field and prepared a figure showing the chlorinated solvent concentration data. These data were compared to applicable clean-up objectives. An estimate of the volume of soil and groundwater requiring remediation was prepared.

Task 6: Evaluation of Remedial Alternatives

Based on a review of technologically feasible remedial technologies for the Site, four alternatives were identified for further evaluation. These alternatives were evaluated based on effectiveness, implementability and cost to identify the most cost-effective alternative for the Site.

Task 7: Written Report

This written report was prepared relating the findings of the study.

1.11 Report Organization

The report includes the following sections:

Section 1: Introduction.

This section summarizes the background of the Site and the activities leading up to the Site Investigation/Remedial Alternatives Report.

Section 2: Description of Investigation Activities.

This section summarizes the Geoprobe exploration program and the details of the soil and groundwater sampling and testing programs.

Section 3: Investigation Findings.

This section summarizes the results of the soil and groundwater sampling and testing program and the geology and hydrogeologic conditions of the Site.

Section 4: Human Health Exposure Assessment.

This section summarizes the contaminants found in the VCP investigation and their potential impact to human health at the Site and surrounding properties.

Section 5: Development and Evaluation of Remedial Alternatives.

This section summarizes the volume and extent of contamination at the Site and the evaluation of remedial alternatives for the Site.

Section 6: Conclusions and Recommendations.

This section summarizes the conclusions of the VCP investigation and describes the tasks involved in implementing the selected remedial alternative.

Section 7: Limitations.

This section summarizes the limitations of this report.

Section 8: References.

This section summarizes the references used in developing this report.

Included with this report are the summary tables (Appendix A), figures (Appendix B); remedial cost analysis tables (Appendix C); photographs of field activities (Appendix D), test boring/monitoring well logs (Appendix E), analytical laboratory reports (Appendix F) and data completeness report (Appendix G).

2.0 DESCRIPTION OF INVESTIGATION ACTIVITIES

2.1 GEOPROBE EXPLORATION PROGRAM

Leader retained Zebra to provide a Geoprobe unit to the Site for the purpose of test boring/monitoring well installation and soil sampling on October 25, November 1, and November 2, 2001. Six Geoprobe borings (BH-1, BH-2, BH-3, BH-4, GW-1, and GW-5) were completed in the exterior portion of the Site (see Appendix D – Photograph No. 1) and eight Geoprobe borings (BH-8, BH-9, BH-10, BH-11, BH-12, BH-13, BH-14, and GW-3) were completed within the interior of the Site building (see Appendix D – Photographs 2, 3 and 4). Additionally, two Geoprobe borings (BH-7, and GW-4) were completed on the adjoining property to the west, the Upstate Farms Cooperative, Inc. property, and three Geoprobe borings (BH-5, BH-6, and GW-2) were completed on the adjoining property to the north, the Davis Electrical Supply Company. These borings were advanced to depths ranging from approximately fourteen (14) feet to twenty (20) feet below ground surface.

2.2 SOIL SAMPLING AND TESTING PROGRAM

Figure 3 shows the locations of the Geoprobe borings. For each of the nineteen (19) borings, acetate liners were inserted into four-foot long micro tip sampling devices. Approximately 4 samples were collected in each boring at depths of 0-4 feet, 4-8 feet, 8-12 feet, and 12-16 feet (see Appendix D – Photograph No. 5). The four-foot soil samples were then divided into two, 2-foot long soil samples and screened using a PID to assess whether VOCs were present (see Appendix D – Photograph No. 6). The soil samples collected were then characterized using the Burmister Soil Classification System. In addition to the soil strata information, the amount of sample recovery, the presence of soil staining, and the relative moisture content were recorded on boring logs for each bore

hole (see Appendix E – Test Boring/Monitoring Well Logs). A portion of each sample was placed in a clean sample jar. Soil waste produced during the soil boring activities was placed back in the boring hole it originated from. Stained soil and soil with elevated PID measurements that was not chosen for sampling, was containerized for off-Site disposal in an appropriate disposal or treatment facility.

Approximately 24 soil samples were selected for TCL VOC analysis using USEPA Method 8260 (see Table 3 – Soil Analysis for Volatile Organic Compounds). Of these 24 soil samples, six samples [BH-11 (8'-10'); GW-1 (8'-10'); GW-2 (8'-10'); GW-3 (2'-4'); GW-3 (10'-12'); GW-4 (6'-8'); and GW-5 (8'-10')] were also analyzed for semi-volatiles using USEPA Method 8270D, PCBs using USEPA Method 8082A, Pesticides using USEPA Method 8081B and Priority Pollutant Metals. The samples were sent to Paradigm Environmental Laboratories in Rochester, New York using appropriate chain of custody procedures.

2.3 GROUNDWATER SAMPLING AND TESTING PROGRAM

Five (5) Geoprobe borings (GW-1, GW-2, GW-3, GW-4 and GW-5) were converted into groundwater monitoring wells upon completion. GW-1 and GW-2 are located north of the Site on the Davis Electrical Supply Company property. GW-3 is located in the northwest corner of the building interior. GW-4 is located east of the Site on the Upstate Farms Cooperative, Inc. property. GW-5 is located along the southwestern border of the Site (see Figure 3).

A 2-inch diameter, schedule 4D, PVC monitoring well was constructed in each monitoring well borehole. Approximately 5-inches of QRock sand was placed in the base of the boreholes. A 10-foot long PVC screen was then placed at the base of each borehole attached to approximately 5-feet of PVC riser. A sand filter pack was then poured around the screened interval. On the top of the filter pack, approximately 6-12 inches of bentonite pellets were placed to form a seal. A flush-mounted well box was

fitted over the PVC casing and sealed in place with concrete. Each monitoring well was then fitted with a watertight locking well cap.

Following completion of the monitoring wells, each monitoring well was evacuated using a dedicated 1 ½-inch bailer to free the well screen of sediment and to enhance the communication between the screen and the groundwater zone. Groundwater monitoring wells GW-1, GW-2, GW-3, GW-4 and GW-5 were evacuated on November 8, 2001 (see Appendix G – Well Development Logs).

Samples from each monitoring well were collected in accordance with the Site-specific QA/QC Plan. On November 9, 2002, samples were collected using dedicated 1 ½-inch diameter PVC bailers to prevent cross-contamination. Groundwater samples from GW-1, GW-2, GW-3, GW-4 and GW-5 were submitted for analyses for TCL VOC analysis USEPA Method 8260. To assess downgradient water quality, GW-5 was originally targeted for a complete laboratory analyses for TCL VOC analysis USEPA Method 8260, Semi-Volatile analysis USEPA Method 8270, PCB analysis USEPA Method 8082, pesticides analysis USEPA Method 8081, and Priority Pollutant Metals; however, little sample volume was available in monitoring well GW-5. Thus, this testing was completed on samples collected from GW-3 to further evaluate the full range of contaminants near GW-3, which appeared to contain the highest VOC contamination levels. The samples were sent to Paradigm Environmental Laboratories in Rochester, New York using appropriate chain of custody procedures.

2.4 SURVEY

On November 15, 2001, Leader retained the services of McIntosh & McIntosh, P.C. to perform a survey at the Site. The locations and elevations for each boring hole and monitoring well were surveyed. The elevations were referenced to NAVD 88. Additionally, McIntosh & McIntosh, P.C. surveyed the buildings and property lines around the Site and developed an AutoCAD file of pertinent Site information.

2.5 GROUNDWATER ELEVATION MEASUREMENTS

Following surveying of the monitoring well locations, the depth to groundwater was then measured in each well on November 8, 2001, using a Solinist water level indicator. Water level measurements were taken to the nearest hundredth of a foot (see Table 2 – Groundwater Elevations and Figure 4 – Groundwater Contour Map).

3.0 INVESTIGATION FINDINGS

3.1 GEOLOGY/HYDROGEOLOGIC CONDITIONS

The Site is located on the Lake Erie Plain, which is approximately six to twelve miles wide and extends from the Onondaga Escarpment (northern border) to northern Chautauqua County. This plain was covered by glacial lakes in recent geologic time and is relatively flat near the Site.

The predominate soil in the vicinity of the Site is a lacustrine silty clay, reportedly deposited when the Lake Erie plain was occupied by a series of glacial lakes from approximately 10,000 to 14,000 years ago. This deposit consists predominantly of a medium to stiff, gray to brown, silty clay to clayey silt and is generally not conducive to groundwater flow. These soils are thought to overlie shales and limestones of the Middle Devonian Skaneateles Formation. Depth to bedrock at the Site is unknown; however, bedrock was encountered at depths ranging from 44 to 54 feet below ground surface at the Niagara Transformer Site, which is located south of the Site, across Dale Road.

The on-Site borings completed during the Phase II ESA by Frontier Technical Associates, Inc. encountered no groundwater to a maximum depth of 20-feet. The underlying soils were reportedly fine sand to silty clays with some gravel. The TriTech Environmental Health and Safety, Inc. Phase II ESA reported groundwater at 8 to 9 feet from ground surface, immediately west of the Site.

During the VCP Investigation, the approximate depth to the upper water-bearing zone was between 1 and 10 feet below the ground surface. Based on the Geoprobe borings competed, the overburden soil was comprised of fine to coarse sand in the upper two feet followed by a mixture of silty clay and fine to coarse sand lenses to the bottom of the boreholes.

Based on the November 8, 2001 monitoring well water elevations, the direction of groundwater flow is generally north to south. The hydraulic gradient is approximately 0.06. However, based on the low permeability of overburden soils and the apparent distribution of contaminants, little north to south migration of contaminants has occurred.

3.2 SUBSURFACE SOIL TESTING RESULTS

Twenty-four (24) soil samples [BH-1 (8'-10'); BH-2 (8'-10'); BH-3 (8'-10'); BH-4 (0'-2'); BH-4 (8'-10'); BH-5 (8'-10'); BH-6 (8'-10'); BH-7 (6'-8'); BH-7 (8'-10'); BH-8 (8'-10'); BH-9 (6'-8'); BH-10 (8'-10'); BH-11 (8'-10'); BH-12 (8'-10'); BH-13 (8'-10'); BH-14 (8'-10'); GW-1 (8'-10'); GW-2 (8'-10'); GW-3 (2'-4'); GW-3 (6'-8'); GW-3 (10'-12'); GW-3 (16'-18'); GW-4 (6'-8'); and GW-5 (8'-10')] were analyzed for TCL VOC analysis using USEPA Method 8260 (see Table 3 – Soil Analysis for Volatile Organic Compounds). Samples were composites from these depth ranges based on visual and odor indications of contamination and/or PID measurements. Below is a narrative summary of the analytes detected.

Carbon tetrachloride was detected in BH-11 (8'-10'). However, this compound did not exceed the NYSDEC soil cleanup objective (TAGM No. 4046, December 2000) for carbon tetrachloride, which is 600 parts per billion ("PPB").

Cis-1,2-dichloroethene was detected in BH-1 (8'-10'); BH-3 (8'-10'); BH-4 (0'-2'); BH-4 (8'-10'); BH-5 (8'-10'); BH-6 (8'-10'); BH-7 (6'-8'); BH-7 (8'-10'); BH-9 (6'-8'); BH-10 (8'-10'); BH-11 (8'-10'); BH-13 (8'-10'); BH-14 (8'-10'); GW-1 (8'-10'); and GW-3 (16'-18'). A NYSDEC soil cleanup objective is not available for this compound.

Trans-1,2-dichloroethene was detected in BH-4 (0'-2') at 12.7 PPB. This concentration does not exceed the NYSDEC soil cleanup objective of 300 PPB for this compound.

Tetrachloroethene was only detected in BH-7 (6'-8') at 3,990 PPB. This concentration exceeds the NYSDEC soil cleanup objective of 1,400 PPB for this compound.

Trichloroethene was detected in the following samples: BH-1 (8'-10'); BH-3 (8'-10'); BH-4 (8'-10'); BH-5 (8'-10'); BH-7 (6'-8'); BH-7 (8'-10'); BH-8 (8'-10'); BH-9 (6'-8'); BH-10 (8'-10'); BH-11 (8'-10'); BH-12 (8'-10'); BH-13 (8'-10'); BH-14 (8'-10'); GW-1 (8'-10'); GW-3 (2'-4'); GW-3 (6'-8'); GW-3 (10'-12'); GW-3 (16'-18'); GW-4 (6'-8'); and GW-5 (8'-10'). The NYSDEC soil cleanup objective for trichloroethene is 700 PPB. The following samples had concentrations exceeding this standard: BH-7 (6'-8')(10,900 PPB); BH-7 (8'-10')(2,130 PPB); BH-9 (6'-8')(1,150 PPB); BH-13 (8'-10')(1,440 PPB); GW-3 (2'-4')(2,310 PPB); GW-3 (6'-8')(16,800 PPB) and GW-3 (10'-12')(2,270 PPB).

Ethylbenzene was detected in GW-1 (8'-10'). This compound did not exceed the NYSDEC soil cleanup objective of 300 PPB for ethylbenzene.

Toluene was detected in BH-11 (8'-10') and GW-1 (8'-10') at concentrations below the NYSDEC cleanup objective. However, toluene was detected in BH-6 (8'-10') at 10,200 PPB, which exceeds the NYSDEC soil cleanup objective of 1,500 PPB for this compound.

M,p-xylene was detected in BH-3 (8'-10'), BH-8 (8'-10'), BH-11 (8'-10'), and GW-1 (8'-10') at concentrations below the NYSDEC soil cleanup objective for this compound.

Six (6) samples [BH-11 (8'-10'); GW-1 (8'-10'); GW-2 (8'-10'); GW-3 (2'-4'); GW-3 (10'-12'); GW-4 (6'-8'); and GW-5 (8'-10')] were analyzed for semi-volatiles using USEPA Method 8270D. Those samples were selected for analysis based on PID concentrations measured during the soil sampling program, visual assessment and odors (see Table 4 – Soil Analysis for Semi-Volatile Organic Compounds).

Fluoranthene was detected in GW-5 (8'-10')(748 PPB). This compound did not exceed the NYSDEC soil cleanup objective of 50,000 PPB for fluoranthene.

Phenanthrene was detected in GW-5 (8'-10')(483 PPB). This compound did not exceed

the applicable NYSDEC soil cleanup objective of 50,000 PPB.

Bis (2-etylhexyl) phthalate was detected in BH-11 (8'-10')(674 PPB). This compound did not exceed the applicable NYSDEC soil cleanup objective of 50,000 PPB.

Pyrene was detected in GW-5 (8'-10')(620 PPB). This compound did not exceed the applicable NYSDEC soil cleanup objective of 50,000 PPB.

Six (6) samples [BH-11 (8'-10'); GW-1 (8'-10'); GW-2 (8'-10'); GW-3 (2'-4'); GW-3 (10'-12'); GW-4 (6'-8'); and GW-5 (8'-10')] were analyzed for PCBs using USEPA Method 8082A. These samples were selected for PCB testing based on historical use information, visual assessment and odors (see Table 5 – Soil Analysis for PCBs). No PCBs were detected in the samples analyzed.

Six (6) samples [BH-11 (8'-10'); GW-1 (8'-10'); GW-2 (8'-10'); GW-3 (2'-4'); GW-3 (10'-12'); GW-4 (6'-8'); and GW-5 (8'-10')] were analyzed for Pesticides using USEPA Method 8081B. These samples were selected for pesticide testing based on historical use information, visual assessment and odors (see Table 6 – Soil Analysis for Pesticides). No pesticides were detected in the samples analyzed.

Six (6) samples [BH-11 (8'-10'); GW-1 (8'-10'); GW-2 (8'-10'); GW-3 (2'-4'); GW-3 (10'-12'); GW-4 (6'-8'); and GW-5 (8'-10')] were analyzed for Priority Pollutant Metals. These samples were selected for testing based on visual assessment and odors (see Table 7 – Soil Analysis for Priority Pollutant Metals). Antimony, arsenic, beryllium, cadmium, chromium, lead, mercury, nickel, selenium, silver, thallium, and zinc were detected in each of the six samples below the NYSDEC recommended soil cleanup objectives and/or Site background levels. Note that GW-5 (8'-10') was selected as the background sample because its location is outside the area impacted by the contaminants of concern. Copper was detected slightly above 25 PPB (i.e., the concentration of copper in GW-5 (8'-10'))

in BH-11 (8'-10')(30.9 PPM) and GW-1 (8'-10')(27.1 PPM).

3.3 GROUNDWATER TESTING RESULTS

Groundwater samples from GW-1, GW-2, GW-3, GW-4 and GW-5 were submitted for analyses for TCL VOC analysis using USEPA Method 8260 (see Table 8 – Groundwater Analysis for Volatile Organic Compounds). Below is a narrative summary of the VOC analytes detected.

Cis-1,2-dichloroethene was detected in GW-1 (481 PPB), GW-2 (14.1 PPB), GW-3 (4,860 PPB), GW-4 (4,280 PPB), and GW-5 (10.6 PPB). These concentrations exceed the applicable NYSDEC groundwater standard of 5.0 PPB.

Trans-1,2-dichloroethene was detected in GW-1 (5.42 PPB). This concentration exceeds the applicable NYSDEC groundwater standard of 5.0.

Trichloroethene was detected in GW-1 (7.09 PPB), GW-2 (88.1 PPB), GW-3 (71,600 PPB), and GW-4 (8,230 PPB). These concentrations exceed the applicable NYSDEC groundwater standard of 5.0 PPB.

Vinyl chloride was detected in GW-1 (291 PPB) and GW-4 (707 PPB). These concentrations exceed the applicable NYSDEC groundwater standard of 2.0 PPB.

Benzene was detected in GW-5 (7.66 PPB). This concentration marginally exceeds the applicable NYSDEC groundwater standard of 0.70 PPB.

A groundwater sample from GW-3 was submitted for analysis for TCL semi-volatiles using USEPA Method 8270 (see Table 9 – Groundwater Analysis for Semi-Volatile Organic Compounds). No semi-volatiles were detected in this sample.

A groundwater sample from GW-3 was submitted for analysis for PCBs using USEPA Method 8082 (see Table 10 – Groundwater Analysis for Polychlorinated Biphenyls). No

PCBs were detected in the sample analyzed.

A groundwater sample from GW-3 was submitted for analysis for pesticides using USEPA Method 8081 (see Table 11 – Groundwater Analysis for Chlorinated Hydrocarbon Pesticides). No pesticides were detected in the sample analyzed.

A groundwater sample from GW-3 was submitted for analysis for priority pollutant metals (see Table 12 – Groundwater Analysis for Heavy Metals). Antimony, beryllium, mercury, selenium, silver, thallium, and zinc were detected at concentrations below applicable NYSDEC groundwater standards. However, arsenic (0.048 PPM, standard 0.025 PPM), cadmium (0.012 PPM, standard 0.005 PPM), chromium (0.516 PPM, standard 0.050 PPM), copper (0.434 PPM, standard 0.200 PPM), lead (0.135 PPM, standard 0.025 PPM), and nickel (0.158 PPM, standard 0.100 PPM) were detected marginally above the applicable NYSDEC groundwater standards.

3.4 CHLORINATED SOLVENT DELINEATION

Figure 5 includes the soil and groundwater analytes detected above applicable NYSDEC recommended soil cleanup objectives or groundwater standards. Figure 6 includes the VCP data and the pertinent data from previous studies. The shaded areas shown on Figure 6 represent the approximate limits of the chlorinated solvent contamination above applicable NYSDEC standards or guidance values. The limits of the areas were based on direct interpolation between known data points for soil and groundwater data collected from six to ten feet below ground surface.

The area associated with the elevated toluene concentration in soil near BH-6 is not on-Site and does not appear to be related to RoCo, Ltd.'s former activities. The slightly elevated benzene concentration in the GW-5 groundwater sample appears to be an isolated condition likely related to the use of this area of the Site for automobile parking. The metals concentrations detected in soil and groundwater at GW-3 are only marginally above applicable standards and are limited in extent based on previous metals testing

completed throughout the Site during the Panamerican Environmental Phase II ESA and soils testing during the current VCP Investigation. Thus, these analytes will not be addressed by this VCP. The area of contamination near GW-1 and BH-13 has been approximated based on the spacing between GW-1 and BH-3. The western area near GW-3 is fairly well delineated and the source appears to have been identified near GW-3.

4.0 HUMAN HEALTH EXPOSURE ASSESSMENT

4.1 DETECTED ANALYTES

The Site is located on a property zoned for light industrial manufacturing. Surrounding properties include a dairy product distribution center, an electrical transformer manufacturing facility and an electrical supply company. The RoCo, Ltd. building was constructed on a concrete slab and the surrounding property is sealed with asphalt. Past manufacturing operations conducted on- Site include sheet metal fabrication comprised of shearing, punching, machining, painting, silk screening, metal preparation, and metal finishing. A variety of chemicals were used in these processes such as acids, caustics, degreasing agents, paint, and paint-related solvents.

The VCP Investigation focused on chlorinated solvent contamination. The Site was also tested for the presence of semi-volatiles, pesticides, metals, and PCBs. Soil and groundwater samples were collected and analyzed using USEPA Methodology. The volatile and semi-volatile compounds and metals detected during this investigation were:

Volatiles

cis-1,2-dichloroethene (cis-DCE)
trans-1,2-dichloroethene (trans-DCE)
Trichloroethene (TCE)
Tetrachloroethene (PCE)
Carbon tetrachloride
Vinyl chloride
Benzene
Toluene
Ethylbenzene
m,p-Xylene
o-Xylene

Semi-Volatiles

Bis (2-ethylhexyl) phthalate
Fluoranthene
Pyrene

Metals

Arsenic	Lead	Copper
Cadmium	Nickel	
Chromium	Zinc	

A summary of the analytical data collected during this VCP is presented in Appendix A and the analytical laboratory reports are in Appendix F. The detection of a contaminant does not necessarily mean that its presence is a public health concern. Contaminants selected for further review are identified and evaluated in subsequent sections of this exposure assessment to assess whether exposure to them has public health significance. When selected for further evaluation in one medium, that contaminant will be reported in all media where it is detected. These contaminants are selected and discussed based upon the following factors:

1. Concentrations of contaminants in environmental media both on-Site and off-Site;
2. Sampling design, field data quality, and laboratory data quality; and
3. Comparison of on-Site and off-Site concentrations with background concentrations.

4.2 ON-SITE AND OFF-SITE CONTAMINATION

The VCP investigation data indicate that contamination is present in the groundwater and soil both on-Site and off-Site. It should be noted that the off-Site contamination exists at other industrial facilities, not residential properties.

SOIL

VOCs were detected in the near surface soil (0-4 feet) and in the subsurface soil (4-18 feet) at various locations throughout the Site. TCE was found at elevated levels below the concrete slab in the surface soil sample, GW-3 (2'-4'). VOCs were also detected above NYSDEC soil recommended cleanup objectives in the subsurface soils. Soil contaminants included cis-DCE with concentrations up to 592 PPB, trans-DCE at 12.7

PPB, PCE at 3,990 PPB, and TCE up to 16,800 PPB. Pesticides and PCBs were not found in any of the sampled soils. Metal analysis showed levels of copper slightly above background levels. Lead levels in New York State for industrial sites can range from 200 to 500 ppm. The lead levels found during the VCP were below this range. The levels of bis (2-ethylhexyl) phthalate, fluoranthene, and pyrene found were detected at levels below the TAGM 4046 levels.

GROUNDWATER

One round of groundwater samples was collected. The five groundwater monitoring wells were tested for VOCs, metals, semi-volatiles, pesticides, and PCBs. Levels of cis-DCE, trans-DCE, TCE, vinyl chloride, and benzene were detected above the 6 NYCRR Part 703 NYSDEC Water Quality Standards.

The on-Site and off-Site wells were installed to monitor the uppermost water-bearing zone. The antimony, beryllium, mercury, selenium, thallium and zinc levels in GW-3 were below applicable NYSDEC Groundwater Quality Standards. However, the arsenic, cadmium, chromium, copper, lead, and nickel concentrations in the groundwater were detected slightly above the NYSDEC standards.

There were no semi-volatiles, pesticides, or PCBs found in the tested groundwater samples.

4.3 QUALITY ASSURANCE AND QUALITY CONTROL

Appendix H includes the Data Usability Report, which concludes that adequate quality control measures were followed with regard to chain of custody, laboratory procedures, and data reporting. Paradigm Environmental Laboratory's NYSDOH certifications are included in Appendix H.

4.4 PATHWAY ANALYSES

To assess whether nearby residents and persons on-Site could be exposed to contaminants migrating from the Site, an evaluation was made of the environmental and human components that lead to potential human exposure. The pathway analysis consists of five elements: 1) a source or location of contamination; 2) fate and transport through an environmental medium; 3) a point of exposure; 4) a route of human exposure; and 5) an exposed population.

An exposure pathway is categorized as a completed or potential exposure pathway if the exposure pathway cannot be eliminated. A completed pathway occurs when the five elements of an exposure pathway link the contaminant source to a receptor population. Should a completed pathway exist in the past, present, or future, the population is considered exposed. A potential exposure pathway exists when one or more of the five elements are missing, or if modeling is performed to replace the real sampling data. Potential pathways indicate that exposure to a contaminant could have occurred in the past, could be occurring now, or could occur in the future. An exposure pathway can be eliminated if at least one of the five elements is missing and will never be present. The discussion that follows incorporates only those pathways that are important or relevant to the Site. There is also a discussion of the pathways that have been eliminated.

4.5 ELIMINATED EXPOSURE PATHWAYS

AIR

Ambient air has not been sampled at this Site; however, exposures to ambient air are not expected to be significant based on the levels of contaminants found in near surface soils. Also, either a concrete floor slab or an asphalt driveway/parking lot covers the on-Site and off-Site properties. The highest levels of TCE were found between 6 to 8 feet below ground surface within the building. This area is beneath the concrete slab and should not

affect the air quality within the building.

GROUNDWATER

The contaminated groundwater at the Site and the off-Site neighboring industrial properties will not come into contact with the public. The public drinking water supply in this area is not drawn from the upper water-bearing zone; therefore, there will be no workers or residents of the surrounding community exposed to the contaminated groundwater.

4.6 Completed Exposure Pathway

SOIL

Workers on-Site and neighboring industrial sites (i.e., Upstate Cooperative and Davis Electric) might be exposed to VOCs if construction activities disturb the soil beneath the asphalt driveways. Currently, the soil is contained below asphalt driveways and concrete-floored buildings that serve as a barrier to workers. Exposures to contaminants during excavation activities could occur through dermal contact, incidental ingestion, and possibly inhalation. The proposed remediation of contaminated soils should eliminate potential future exposures. In the interim, any excavation activities should be monitored.

GROUNDWATER

The public drinking water supply is not drawn from the on-Site water-bearing zone; therefore, exposures of workers and residents by VOC contaminated water has not occurred. Exposures of workers may occur in the future due to possible excavation activities. Exposures to contaminants could occur through dermal contact or incidental ingestion. The proposed remediation of the contaminated soils and groundwater should eliminate potential future exposures. In the interim, any excavation activities should be monitored.

4.7 TOXICOLOGICAL EVALUATION

DERMAL, INCIDENTAL INGESTION AND INHALATION

Construction workers engaged in on-Site and off-Site (neighboring industry) excavation activities have the potential for exposure to VOC and metal contaminants by multiple routes. Factory workers who could come in contact with contaminated soil during construction activities should be at low risk from exposure to VOCs due to safety precautions set-up prior to any groundbreaking. Individuals engaged in the actual cleanup activities could also be exposed, but use of proper procedures, appropriate dust suppression methods, personal protective equipment, and air monitoring procedures during cleanup would minimize this potential risk.

5.0 DEVELOPMENT AND EVALUATION OF REMEDIAL ALTERNATIVES

The following sections estimate the volume of impacted media, provide remedial cost estimates and include the basis for the preliminary selection of insitu bioremediation as the most cost-effective remedial alternative for the Site.

5.1 VOLUME ESTIMATE

Based on the surface area approximated on Figure 6 and the depths of contamination identified by the soil sample data, the volume of soil requiring remediation is approximately 1,900 cubic yards for the western area and 900 cubic yards for the eastern area. This approximation is based on the conservative estimate that the average depth of contamination is twelve feet below ground surface and that all soil below the groundwater table is impacted (i.e., the impacted zone would be from 3 to 12 feet, or 9 feet in thickness). This approach is conservative because the majority of the borings in the impacted areas did not indicate the presence of chlorinated solvent contamination below the 10-foot depth, based on photoionization detector readings. Additionally, because the soil sample from GW-3 (i.e., the probable source area) form the 16-18 foot interval indicated only trace amounts of TCE, it appears that the natural soils have formed a barrier to downward vertical migration of the chlorinated solvents. Remedial soil volume estimates are included in Appendix C.

5.2 REMEDIAL ALTERNATIVE EVALUATION

Based on a review of technologically feasible remedial technologies for the Site, four alternatives were identified for further evaluation. Each alternative provides distinct advantages and disadvantages. All four alternatives address the area of soil and groundwater contamination simultaneously because the area of groundwater contamination appears to be a subset of the contaminated soil area. A brief description of

each alternative is presented below with a preliminary discussion of its effectiveness, technical implementability and cost.

The remedial cost estimates for these alternatives were developed by contacting local remedial contractors and disposal facilities to obtain current cost information. Some components of the cost estimates were based on engineering estimates. The basis of the remedial cost estimates is included in Attachment C.

The remedial cost estimates provide a conservative estimate of the costs to address the chlorinated solvent contamination at the Site. The actual remedial costs are anticipated to be less than these estimates based on the probability that additional delineation in the vicinity of GW-1 will indicate that less than 900 cubic yards of soil will require remediation. However, note that the cost information presented herein is based on data collected at relatively large spacing intervals and that the extent of contamination has not been completely identified.

Alternative 1 - Excavation and Removal

This technology involves excavation of the contaminated soil, backfilling, restoration and disposal of the contaminated soil. Approximately, 953 tons of soil are anticipated to be hazardous waste (i.e., Toxicity Characteristic Leachate Procedure ["TCLP"] level of TCE greater than 0.5 parts per million) and approximately 1,863 tons of soil are anticipated to be non-hazardous waste. The contaminated soil can be disposed of at Waste Management's Model City (i.e., for the hazardous portion) or Seneca Meadows (i.e., for the non-hazardous portion) facilities. The total cost for this alternative, based on 2,817 tons of contaminated soil, is approximately $407,000. Excavation dewatering and groundwater treatment/disposal costs were included in the estimate. The additional costs to excavate under the building were also estimated.

This alternative is effective in addressing the impacted soil and groundwater in a

relatively short time period. However, this alternative is expensive and implementing this alternative during operation of the warehouse building would be difficult. Additionally, of the alternatives considered, it represents the greatest potential for worker exposure.

Alternative 2 - Insitu Bioremediation

This technology involves insitu bioremediation of the soil and groundwater through addition of a proprietary compound called Hydrogen Release Compound ("HRC"), or equivalent, that enhances natural biodegradation of the chlorinated compounds. This technology appears to be appropriate for the Site based on the presence of the daughter products of TCE (i.e., indicating that natural biodegradation is already occurring) and the relatively shallow depth of the contamination.

A grid pattern of injection wells would be established in the area of contamination and the HRC would be injected and monitored until the soil and groundwater concentrations satisfy the cleanup levels. The total cost for this alternative is estimated to be approximately $94,000. It is anticipated that two injections would be needed in the area of GW-3 to address this source area.

This alternative is effective in addressing the impacted soil and groundwater without disruption of the warehousing operations. This alternative may take approximately 2 years before satisfying cleanup objectives. This alternative appears to be the most cost-effective of the four alternatives evaluated.

Alternative 3 - Insitu Oxidation

This technology involves insitu treatment of soil and groundwater through the addition of permanganate (i.e., an oxidization agent). A grid pattern of injection wells is established in the area of contamination and the oxidation agents are

injected during at least two events or until the soil and groundwater concentrations satisfy the cleanup levels. The total cost for this alternative is estimated to be approximately $901,000. The anticipated time to satisfy cleanup objectives is approximately one year.

This alternative is effective in addressing the impacted soil and groundwater without disruption of the warehousing operations. Additionally, it would achieve the cleanup objectives more rapidly than insitu bioremediation. However, this alternative is nearly 10 times more expensive than Alternative 2.

Alternative 4 - Soil Vapor Extraction with Insitu Oxidation

This technology involves the installation of shallow and deep sparge wells, venting wells, and groundwater extraction wells. This system would actively remove the chlorinated solvents from the soil and groundwater through subsurface airflow. The treatment system may include horizontal sparge tanks, catalytic oxidation units, and carbon absorption units.

Any residual contamination would be mitigated by chemical oxidation using the permanganate injection technology discussed above. The total costs for this alternative are estimated to be approximately $1,290,000. The anticipated time to satisfy cleanup objectives is less than one year.

This alternative is effective in addressing the impacted soil and groundwater without disruption of the warehousing operations. Additionally, it would achieve the cleanup objectives more rapidly than Alternatives 2 or 3. However, this alternative is by far the most expensive alternative evaluated.

Based on a comparison of costs, implementability and effectiveness criterion, Alternative 2 is the most cost-effective alternative for the Site. Alternative 2 is the least expensive and can be implemented without facility disruption. Additionally, Alternative 2 would

result in the lowest potential risk to workers during implementation. Alternative 2 will satisfy cleanup objectives as effectively as the other alternatives, but will require the longest time to complete (i.e., 2 years or more).

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 CONCLUSIONS

Based on the results of this VCP investigation and the evaluation of feasible remedial alternatives, the following conclusions have been developed:

- During the VCP Investigation, the approximate depth to the upper water-bearing zone was between 1 and 10 feet below the ground surface. Based on the Geoprobe borings competed, the overburden soil was comprised of fine to coarse sand in the upper two feet followed by a mixture of silty clay and fine to coarse sand lenses to the bottom of the boreholes.

- Twenty-four soil samples were analyzed for TCL VOC analysis using USEPA Method 8260. Carbon tetrachloride, cis-1,2-dichloroethene, trans-1,2-dichloroethene, ethylbenzene, and m,p-xylene were detected; however, these compounds did not exceed the applicable NYSDEC soil cleanup objectives. Tetrachloroethene, trichloroethene, and toluene were detected at concentrations above the applicable NYSDEC recommended soil cleanup objectives.

- Six soil samples were analyzed for semi-volatiles using USEPA Method 8270D. Fluoranthene, phenanthrene, bis (2-etylhexyl) phthalate pyrene were detected. These compounds did not exceed the applicable NYSDEC soil cleanup objectives.

- Six soil samples were analyzed for PCBs using USEPA Method 8082A. No PCBs were detected in the samples analyzed.

- Six soil samples were analyzed for Pesticides using USEPA Method 8081B. No pesticides were detected in the samples analyzed.

- Six soil samples were analyzed for Priority Pollutant Metals. Antimony, arsenic, beryllium, cadmium, chromium, lead, mercury, nickel, selenium, silver, thallium, and

zinc were detected below the NYSDEC recommended soil cleanup objectives and/or Site background levels. Copper was detected at levels marginally above the designated Site background levels; however, this condition does not appear to be a remedial concern because the upper water-bearing zone is not supplying any on or off-Site wells.

- Groundwater samples were submitted for analyses for TCL VOC analysis using USEPA Method 8260. Cis-1,2-dichloroethene was detected in all of the groundwater samples at concentrations that exceeded applicable NYSDEC groundwater standards. Trans-1,2-dichloroethene, trichloroethene, vinyl chloride, benzene were detected in some groundwater samples at concentrations that exceeded applicable NYSDEC groundwater standards.

- Elevated VOC concentrations in groundwater were generally detected in areas of elevated VOC concentrations in soil.

- A groundwater sample was submitted for analysis for TCL semi-volatiles using USEPA Method 8270. No semi-volatiles were detected in the sample analyzed.

- A groundwater sample was submitted for analysis for PCBs using USEPA Method 8082. No PCBs were detected in the sample analyzed.

- A groundwater sample was submitted for analysis for pesticides using USEPA Method 8081. No pesticides were detected in the sample analyzed.

- A groundwater sample was submitted for analysis for priority pollutant metals. Antimony, beryllium, mercury, selenium, silver, thallium, and zinc were detected at concentrations below applicable NYSDEC groundwater standards. However, arsenic cadmium, chromium, copper, lead, and nickel were detected at concentrations above the applicable NYSDEC groundwater standards. These elevated metals concentrations do not appear t warrant remediation due to their limited extent and the lack of supply wells in the area.

- The VCP data and the pertinent data from previous studies were used to approximate the extent of chlorinated solvent contamination above applicable NYSDEC standards or guidance values. The limits of the areas were based on direct interpolation between known data points for soil and groundwater data collected from six to ten feet below ground surface (the zone primarily impacted by the chlorinated solvents).

- Two areas of soil and groundwater above applicable standards or guidance values were identified. One area is in the northwestern portion of the Site in the vicinity of GW-3 and the second area is in the northeastern portion of the Site near GW-1.

- Based on a qualitative exposure assessment, the impacted soil and groundwater are contained below asphalt driveways and concrete-floored buildings that serve as a barrier. The public drinking water supply is not drawn from the on-Site water-bearing zone; therefore, exposures of workers and residents by VOC contaminated water has not occurred. Exposures to contaminants during excavation activities could occur through dermal contact, incidental ingestion, and possibly inhalation. The proposed remediation of contaminated soils should eliminate potential future exposures. In the interim, any excavation activities should be monitored.

- Based on a review of technologically feasible remedial technologies for the Site, four alternatives were identified for further evaluation. Based on a comparison of costs, implementability and effectiveness criterion, the insitu bioremediation alternative is effective in achieving cleanup levels and is by far the most cost-effective alternative for the Site. This alternative can be implemented without facility disruption and represents the lowest potential risk to workers during implementation. It does, however, require the longest time to implement, approximately 2 years.

6.2 RECOMMENDATIONS

Based on the evaluation of technologically feasible remedial alternatives, it is recommended that an insitu bioremediation program be initiated at the Site. This

remedial program should be initiated in the spring of 2002 and would include the following tasks, listed below in sequential order.

1. A Remediation Work Plan would be developed specifying realistic cleanup objectives for protecting human health and the environment.

2. Supplemental Investigation – A limited supplemental investigation in the area of GW-1 would be conducted to further delineate the extent of contamination in this area.

3. Treatability Study – A limited bench scale treatability study would be conducted to verify applicability of the selected technology on Site soil samples.

4. HRC Injection – Following review of the results from tasks 2 and 3 above, HRC injection, or equivalent, would occur using a Geoprobe unit over a grid pattern covering the areas of concern.

5. Monitoring – A limited monitoring program would be implemented monthly to include groundwater level and oxygen reduction measurements. Groundwater samples would be collected and analyzed from selected monitoring wells on a quarterly basis.

6. Second Injection – Approximately twelve months following the HRC injection, the groundwater samples will be reviewed and based on the results a second injection of HRC may be necessary depending on the levels of contamination at that time.

7. Closure Report – A closure report would be prepared documenting the bioremediation program and its results.

7.0 LIMITATIONS AND USE OF REPORT

This Voluntary Cleanup Program Site Investigation/Remedial Alternative Report was prepared by Leader Professional Services, Inc. in accordance with generally accepted practices of other consultants preparing similar reports, and we observed that degree of care and skill generally exercised by other consultants under similar circumstances and conditions. The analyses and conclusions submitted in this report are based upon data and information, provided by others, and are contingent upon their validity. Cost and volume estimates included herein should be considered approximate.

This Voluntary Cleanup Program Site Investigation/Remedial Alternative Report was prepared exclusively for Jackle, Fleischmann & Mugel, LLP for specific application to the RoCo, Ltd, Cheektowaga, New York Site in accordance with generally accepted engineering practice. No other warranty, expressed or implied, is made.

8.0 REFERENCES

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APPENDIX A: SUMMARY TABLES

Table 1 Previous Studies - Soil Analysis

RoCo, Ltd 1746 Dale Road, Cheektowaga, New York

VOC Compounds Detected in Soil Samples (ppb)	Tetrachloroethene (PCE)	Trichloroethene (TCE)	Cis-1,2-Dichloroethene	Vinyl Chloride	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene
TAGM 4046 Soil Cleanup Objectives (ppb)	**1,400**	**700**	**No Value**	**200**	**200**	**100**	**400**
Panamerican Phase II ESA							
Boring 4 (NW corner of RoCo Site)							
1'-7'		257,000	0	0			
Boring 6 (NW corner of RoCo Site)							
1'-7'		14,000	0	0			
FTA Phase II ESA							
Boring 5A (Davis Electric Driveway)							
2'-4'		260	0	0	0	0	0
4'-6'		43	14	0	0	0	0
6'-8'		2,100	160	24	2,100	150	330
8'-10'		17	8	0	2,100	110	0
10'-12'		45*	22*	0*	5,600*	293*	0*
Boring 6A (Davis Electric Driveway)							
2'-4'		18	0				
4'-6'		2,800	1,400				
6'-8'		15,000	6,200				
8'-10'		160,000	5,300				
10'-12'		68,692*	2,242*				
Boring 7A (Davis Electric Driveway)							
2'-4'		14	0				
4'-6'		15,000	0				
6'-8'		18,000	0				
8'-10'		34,000	3,000				
10'-12'		4,782*	421*				
Boring 8A (Davis Electric Driveway)							
2'-4'	3,500	5,600	0	0			
4'-6'	0	25,000	2,200	0			
6'-8'	0	57,000	6,100	0			
8'-10'	0	14	18	39			
10'-12'	0*	1.2*	1.5*	3.3*			
Boring 4A (Davis Electric Driveway)							
2'-4'	32	75	6				
4'-6'	130,000	33,000	0				
6'-8'	73,000	240,000	8,100				
8'-10'	4,900	48,000	4,100				
10'-12'	4,456*	43,636*	3,727*				
Boring 9A (Davis Electric Driveway)							
2'-4'	0	6	0				
4'-6'	22	1,200	14				
6'-8'	0	0	6				
8'-10'	0	0	0				
10'-12'	0*	0*	0*				
Phase II ESA Upstate Farms Cooperative, Inc.							
BH-10							
7.5'-8'	ND<9.34	ND<9.34	ND<9.34				
BH-11							
6'-8'	4,000	11,100	218				
9'-10'	69	150	56				
10'-12'	593	2,170	ND<20.1				
13'-14.5'	165	2,000	117				
BH-13							
6'-8'	ND<25	243	1,110				
8'-10'	ND<8.07	ND<8.07	490				
10'-12'	ND<22.2	ND<22.2	977				
12'-15'	ND<8.96	28	18				
BH-14							
8'-10'	ND<7.48	ND<7.48	ND<7.48				
10'-12'	ND<10.4	ND<10.4	ND<10.4				
BH-15							
6'-8'	ND<10.3	356	61				
8'-10'	ND<10.7	143	76				
BH-16							
6'-8'	10	140	ND<9.21				
8'-10'	ND<6.24	36	ND<6.24				
BH-17							
8'-10'	ND<7.77	25	ND<7.77				
BH-18							
8'-10'	ND<7.13	ND<7.13	ND<7.13				
BH-19							
8'-11'	ND<5.53	ND<5.53	ND<5.53				
BH-20							
4'-6'	11,800	7,610	254				
6'-8'	9,400	11,900	366				
8'-10'	1,340	473	99				
10'-12'	867	361	149				
12'-14'	377	225	85				
18'-20'	38	856	346				

NOTES:
1) Concentrations are in µg/kg, or ppb.
2) ND (Non-Detect)
3) Shaded areas indicate an exceedence of applicable standards.
* Based on ratio of the photoionization detector measurements

TABLE 2 GROUNDWATER ELEVATIONS

RoCo, Ltd. 1746 Dale Road, Cheektowaga, New York

	NOVEMBER 8, 2001				
	GW-1	GW-2	GW-3	GW-4	GW-5
Depth to Groundwater (ft.)	1.13	1.20	2.44	3.08	9.83
Monitoring Point Elevation (ft.)	655.79	656.92	658.34	658.40	659.51
Groundwater Elevation (ft.)	654.66	655.72	655.90	655.32	649.68

Notes:

Monitoring point elevations shown refer to NAVD 88.

TABLE 3 SOIL ANALYSIS FOR VOLATILE ORGANIC COMPOUNDS

RoCo, Ltd. 1746 Dale Road, Cheektowaga, New York

VOLATILE ORGANIC COMPOUNDS	BH-1 (8'-10')	BH-2 (8'-10')	BH-3 (8'-10')	BH-4 (0'-2')	BH-4 (8'-10')	BH-5 (8'-10')	BH-6 (8'-10')	BH-7 (6'-8')	BH-7 (8'-10')	BH-8 (8'-10')	BH-9 (6'-8')	BH-10 (8'-10')	BH-11 (8'-10')	BH-12 (8'-10')	BH-13 (8'-10')	BH-14 (8'-10')	GW-1 (8'-10')	GW-2 (8'-10')	GW-3 (2'-4')	GW-3 (6'-8')	GW-3 (10'-12')	GW-3 (16'-18')	GW-4 (6'-8')	GW-5 (8'-10')	NYSDEC Soil Cleanup Objectives
Sample Collection Date:	10/25/01	10/25/01	10/25/01	10/25/01	10/25/01	10/25/01	10/25/01	10/25/01	10/25/01	11/02/01	11/02/01	11/02/01	11/02/01	11/02/01	11/02/01	11/02/01	11/01/01	11/01/01	11/02/01	11/02/01	11/02/01	11/02/01	11/01/01	11/01/01	
Units:	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Bromodichloromethane	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	NA
Bromomethane	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	NA
Bromoform	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	NA
Carbon tetrachloride	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	12.4	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	600
Chloroethane	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	1,900
Chloromethane	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	NA
2-Chloroethyl vinyl ether	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	NA
Chloroform	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	300
Dibromochloromethane	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	NA
1,1-Dichloroethane	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	200
1,2-Dichloroethane	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	100
1,1-Dichloroethene	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	400
cis-1,2-Dichloroethene	18.8	ND<11.0	73.7	19.2	17.6	29.1	545	592	325	ND<9.86	127	16.6	12.8	ND<8.51	423	107	76.4	ND<8.40	ND<112	ND<187	ND<147	53.6	ND<84.6	ND<9.13	NA
trans-1,2-Dichloroethene	ND<8.91	ND<11.0	ND<10.2	12.7	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	300
1,2-Dichloropropane	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	NA
cis-1,3-Dichloropropene	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	NA
trans-1,3-Dichloropropene	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	NA
Methylene chloride	ND<22.3	ND<27.6	ND<25.5	ND<21.2	ND<22.6	ND<26.3	ND<636	ND<688	ND<135	ND<24.7	ND<53.6	ND<25.1	ND<9.24	ND<21.3	ND<56.5	ND<27.5	ND<19.7	ND<21.0	ND<279	ND<467	ND<367	ND<20.0	ND<212	ND<22.8	100
1,1,2,2-Tetrachloroethane	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	600
Tetrachloroethene	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	3,990	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	1,400
1,1,1-Trichloroethane	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	800
1,1,2-Trichloroethane	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	NA
Trichloroethene	118	ND<11.0	18.1	ND<8.48	25.1	189	ND<254	10,900	2,130	65.8	1,150	89.9	116	67.5	1,440	628	82.0	ND<8.40	2,310	16,800	2,270	90.0	681	12.7	700
Vinyl Chloride	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	200
Benzene	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	60
Chlorobenzene	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	1,700
Ethylbenzene	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	14.40	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	5,500
Toluene	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	10,200	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	23.8	ND<8.51	ND<22.6	ND<11.0	46.40	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	1,500
m,p, - xylene	ND<8.91	ND<11.0	20.4	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	11.1	ND<21.4	ND<10.1	23.6	ND<8.51	ND<22.6	ND<11.0	42.00	ND<8.40	ND<112	ND<187	ND<147	ND<8 02	ND<84.6	ND<9.13	1,200
o-xylene	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	15.30	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	1,200
Styrene	ND<8.91	ND<11.0	ND<10.2	ND<8.48	ND<9.04	ND<10.5	ND<254	ND<275	ND<53.9	ND<9.86	ND<21.4	ND<10.1	ND<9.24	ND<8.51	ND<22.6	ND<11.0	ND<7.88	ND<8.40	ND<112	ND<187	ND<147	ND<8.02	ND<84.6	ND<9.13	NA
Acetone	ND<44.5	ND<55.2	ND<50.9	ND<42.4	ND<45.2	ND<52.5	ND<1,270	ND<1,380	ND<269	ND<49.3	ND<107	ND<50.3	ND<46.2	ND<42.6	ND<113	ND<55.0	ND<39.4	ND<42.0	ND<558	ND<934	ND<735	ND<40.1	ND<423	ND<45.6	200
Vinyl acetate	ND<22.3	ND<27.6	ND<25.5	ND<21.2	ND<22.6	ND<26.3	ND<636	ND<688	ND<135	ND<24.7	ND<53.6	ND<25.1	ND<23.1	ND<21.3	ND<56.5	ND<27.5	ND<19.7	ND<21.0	ND<279	ND<467	ND<367	ND<20.0	ND<212	ND<22.8	NA
2-Butanone	ND<22.3	ND<27.6	ND<25.5	ND<21.2	ND<22.6	ND<26.3	ND<636	ND<688	ND<135	ND<24.7	ND<53.6	ND<25.1	ND<23.1	ND<21.3	ND<56.5	ND<27.5	ND<19.7	ND<21.0	ND<279	ND<467	ND<367	ND<20.0	ND<212	ND<22.8	300
4-Methyl-2-pentanone	ND<22.3	ND<27.6	ND<25.5	ND<21.2	ND<22.6	ND<26.3	ND<636	ND<688	ND<135	ND<24.7	ND<53.6	ND<25.1	ND<23.1	ND<21.3	ND<56.5	ND<27.5	ND<19.7	ND<21.0	ND<279	ND<467	ND<367	ND<20.0	ND<212	ND<22.8	1,000
2-Hexanone	ND<22.3	ND<27.6	ND<25.5	ND<21.2	ND<22.6	ND<26.3	ND<636	ND<688	ND<135	ND<24.7	ND<53.6	ND<25.1	ND<23.1	ND<21.3	ND<56.5	ND<27.5	ND<19.7	ND<21.0	ND<279	ND<467	ND<367	ND<20.0	ND<212	ND<22.8	NA
Carbon disulfide	ND<22.3	ND<27.6	ND<25.5	ND<21.2	ND<22.6	ND<26.3	ND<636	ND<688	ND<135	ND<24.7	ND<53.6	ND<25.1	ND<23.1	ND<21.3	ND<56.5	ND<27.5	ND<19.7	ND<21.0	ND<279	ND<467	ND<367	ND<20.0	ND<212	ND<22.8	2,700

Notes:

1) Concentrations are in µg/kg, or ppb.
2) ND (Non-Detected above laboratory detection limit)
3) NA (Not Available)
4) NYSDEC Soil cleanup objectives were obtained from the NYSDEC TAGM #4046, dated December 2000.
5) Shaded areas indicate analyte detection; darker shaded areas indicate an exceedence of applicable NYSDEC Soil Cleanup Objectives.

TABLE 4 SOIL ANALYSIS FOR SEMI-VOLATILE ORGANIC COMPOUNDS

RoCo, Ltd. 1746 Dale Road, Cheektowaga, New York

SEMI-VOLATILE ORGANIC COMPOUNDS	BH-11 (8'-10')	GW-1 (8'-10')	GW-2 (8'-10')	GW-3 (10'-12')	GW-4 (6'-8')	GW-5 (8'-10')	NYSDEC Rec. Soil Cleanup Objective (PPB)
Sample Collection Date:	11/02/01	11/01/01	11/01/01	11/02/01	11/01/01	11/01/01	
Units:	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Benzyl alcohol	ND< 864	ND <845	ND <794	ND <847	ND <827	ND <904	NA
Bis (2-chloroethyl) ether	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	NA
Bis (2-chloroisopropyl) ether	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	NA
2-Chlorophenol	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	800
1,3-Dichlorobenzene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	1,600
1,4-Dichlorobenzene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	8,500
1,2-Dichlorobenzene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	7,900
Hexachloroethane	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	NA
2-Methylphenol	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	100,000 or MDL
4-Methylphenol	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	900
N-Nitrosodimetylamine	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	NA
N-Nitroso-di-n-propylamine	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	NA
Phenol	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	30 or MDL
Benzoic acid	ND< 864	ND <845	ND <794	ND <847	ND <827	ND <904	2,700
Bis (2-chloroethoxy) methane	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	NA
4-Chloroaniline	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	220 or MDL
4-Chloro-3-methylphenol	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	240 or MDL
2,4-Dichlorophenol	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	400
2,6-Dichlorophenol	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	NA
2,4-Dimethylphenol	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	NA
Hexachlorobutadiene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	NA
Isophorone	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	4,400
2-methylnapthalene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	36,400
Naphthalene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	13,000
Nitrobenzene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	200 or MDL
2-Nitrophenol	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	330 or MDL
1,2,4-Trichlorobenzene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	3,400
2-Chloronaphthalene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	NA
Acenaphthene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	50,000***
Acenapthylene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	41,000
4-Chlorophenyl phenyl ether	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	NA
Dibenzofuran	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	6,200
Diethyl phthalate	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	7,100
Dimethyl phthalate	ND< 864	ND <845	ND <794	ND <847	ND <827	ND <904	2,000

SEMI-VOLATILE ORGANIC COMPOUNDS	BH-11 (8'-10')	GW-1 (8'-10')	GW-2 (8'-10')	GW-3 (10'-12')	GW-4 (6'-8')	GW-5 (8'-10')	NYSDEC Rec. Soil Cleanup Objective (PPB)
Sample Collection Date:	11/02/01	11/01/01	11/01/01	11/02/01	11/01/01	11/01/01	
Units:	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
2,4-Dinitrophenol	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	200 or MDL
2,4-Dinitrotoluene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	NA
2,6-Dinitrotoluene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	1,000.00
Fluorene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	50,000***
Hexachlorocyclopentadiene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	NA
2-Nitroanaline	ND< 864	ND <845	ND <794	ND <847	ND <827	ND <904	430 or MDL
3-Nitroaniline	ND< 864	ND <845	ND <794	ND <847	ND <827	ND <904	500 or MDL
4-Nitroaniline	ND< 864	ND <845	ND <794	ND <847	ND <827	ND <904	NA
4-Nitrophenol	ND< 864	ND <845	ND <794	ND <847	ND <827	ND <362	100 or MDL
2,4,6-Trichlorophenol	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	NA
2,4,5-Trichlorophenol	ND< 864	ND <845	ND <794	ND <847	ND <827	ND <904	100.00
4-Bromophenyl phenyl ether	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	NA
Di-n-butyl phthalate	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	8,100
4,6-Dinitro-2-methylphenol	ND< 864	ND <338	ND <317	ND <847	ND <827	ND <904	NA
Fluoranthene	ND <345	ND <338	ND <317	ND <339	ND <331	748	50,000***
Hexachlorobenzene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	410
N-Nitrosodiphenylamine	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	NA
Pentachlorophenol	ND< 864	ND <845	ND <794	ND <847	ND <827	ND <904	1,000 or MDL
Anthracene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	50,000***
Phenanthrene	ND <345	ND <338	ND <317	ND <339	ND <331	483	50,000***
Benzidine	ND< 864	ND <845	ND <794	ND <847	ND <827	ND <904	NA
Benzo (a) anthracene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	224 or MDL
Bis (2-etylhexyl) phthalate	674	ND <338	ND <317	ND <339	ND <331	ND <362	50,000***
Butylbenzylphthalate	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	50,000***
Chrysene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	400
3,3'-Dichlorobenzidine	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	NA
Pyrene	ND <345	ND <338	ND <317	ND <339	ND <331	620	50,000***
Benzo (b) fluoranthene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	1,100
Benzo (k) fluoranthene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	1,100
Benzo (g,h,i) perylene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	50,000***
Benzo (a) pyrene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	61 or MDL
Dibenz (a,h) anthracene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	14 or MDL
Di-n-octylphthalate	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	50,000***
Indeno (1,2,3-cd) pyrene	ND <345	ND <338	ND <317	ND <339	ND <331	ND <362	3,200

Notes:

1) Concentrations are in µg/kg, or ppb.
2) ND (Non-Detected above laboratory detection limit)
3) NA (Not Available)
4) NYSDEC Soil cleanup objectives were obtained from the NYSDEC TAGM #4046, dated December 2000.
5) Shaded areas indicate analyte detection; darker shaded areas indicate an exceedence of applicable NYSDEC Soil Cleanup Objectives.
6) MDL Method Detection Limit

TABLE 5 SOIL ANALYSIS FOR POLYCHLORINATED BIPHENYLS

RoCo, Ltd. 1746 Dale Road, Cheektowaga, New York

POLYCHLORINATED BIPHENYLS	BH-11 (8'-10')	BH-13 (2'-4')	GW-1 (8'-10') Soil	GW-2 (8'-10') Soil	GW-3 (10'-12') Soil	GW-4 (6'-8') Soil	GW-5 (8'-10') Soil	NYSDEC Rec. Soil Cleanup Objective (PPM)
Sample Collection Date:	11/02/01	11/02/01	11/01/01	11/01/01	11/01/01	11/01/01	11/01/01	
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PCB 1016	ND<0.47	ND<0.50	ND<0.55	ND<0.45	ND<0.54	ND<0.56	ND<0.62	10
PCB 1221	ND<0.47	ND<0.50	ND<0.55	ND<0.45	ND<0.54	ND<0.56	ND<0.62	10
PCB 1232	ND<0.47	ND<0.50	ND<0.55	ND<0.45	ND<0.54	ND<0.56	ND<0.62	10
PCB 1242	ND<0.47	ND<0.50	ND<0.55	ND<0.45	ND<0.54	ND<0.56	ND<0.62	10
PCB 1248	ND<0.47	ND<0.50	ND<0.55	ND<0.45	ND<0.54	ND<0.56	ND<0.62	10
PCB 1254	ND<0.47	ND<0.50	ND<0.55	ND<0.45	ND<0.54	ND<0.56	ND<0.62	10
PCB 1260	ND<0.47	ND<0.50	ND<0.55	ND<0.45	ND<0.54	ND<0.56	ND<0.62	10

Notes:

1) Concentrations are in µg/kg, or PPB.
2) ND (Non-Detected above laboratory detection limit)
3) NA (Not Available)
4) NYSDEC Soil cleanup objectives were obtained from the NYSDEC TAGM #4046, dated December 2000.
5) Shaded areas indicate analyte detection; darker shaded areas indicate an exceedence of applicable NYSDEC Soil Cleanup Objectives.

TABLE 6 SOIL ANALYSIS FOR CHLORINATED HYDROCARBON PESTICIDES

RoCo, Ltd. 1746 Dale Road, Cheektowaga, New York

CHLORINATED HYDROCARBON PESTICIDES	BH-11 (8'-10')	GW-1 (8'-10')	GW-2 (8'-10')	GW-3 (10'-12')	GW-4 (6'-8')	GW-5 (8'-10')	NYSDEC Rec. Soil Cleanup Objective (PPB)
Sample Collection Date:	11/02/01	11/01/01	11/01/01	11/02/01	11/01/01	11/01/01	
Units:	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
alpha-BHC	ND <3.4	ND <3.4	ND <3.2	ND <3.2	ND <3.4	ND <3.6	110
gamma-BHC (Lindane)	ND <3.4	ND <3.4	ND <3.2	ND <3.2	ND <3.4	ND <3.6	60
beta-BHC	ND <3.4	ND <3.4	ND <3.2	ND <3.2	ND <3.4	ND <3.6	200
Heptachlor	ND <3.4	ND <3.4	ND <3.2	ND <3.2	ND <3.4	ND <3.6	100
delta-BHC	ND <3.4	ND <3.4	ND <3.2	ND <3.2	ND <3.4	ND <3.6	300
Aldrin	ND <3.4	ND <3.4	ND <3.2	ND <3.2	ND <3.4	ND <3.6	41
Heptachlor Epoxide	ND <3.4	ND <3.4	ND <3 2	ND <3.2	ND <3.4	ND <3.6	20
Chlordane	ND <34	ND <34	ND <32	ND <32	ND <34	ND <36	540
Endosulfan I	ND <3.4	ND <3.4	ND <3.2	ND <3.2	ND <3.4	ND <3.6	900
4,4'-DDE	ND <3.4	ND <3.4	ND <3.2	ND <3.2	ND <3.4	ND <3.6	2,100
Dieldrin	ND <3.4	ND <3.4	ND <3.2	ND <3.2	ND <3.4	ND <3.6	44
Endrin	ND <4.8	ND <4.8	ND <4.4	ND <4.5	ND <4.7	ND <5.1	100
Endosulfan II	ND <3.4	ND <3.4	ND <3.2	ND <3.2	ND <3.4	ND <3.6	900
4,4'-DDD	ND <3.4	ND <3.4	ND <3.2	ND <3.2	ND <3.4	ND <3.6	2,900
Methoxychlor	ND <3.4	ND <3.4	ND <3.2	ND <3.2	ND <3.4	ND <3.6	***
4,4'-DDT	ND <3.4	ND <3.4	ND <3.2	ND <3.2	ND <3.4	ND <3.6	2,100
Endrin Aldehyde	ND <3.4	ND <3.4	ND <3.2	ND <3.2	ND <3.4	ND <3.6	NA
Endosulfan Sulfate	ND <3.4	ND <3.4	ND <3.2	ND <3.2	ND <3.4	ND <3.6	1,000
Toxaphene	ND <171	ND <172	ND <159	ND <162	ND <168	ND <181	NA

Notes:

1) Concentrations are in µg/kg, or PPB.
2) ND (Non-Detected above laboratory detection limit)
3) NA (Not Available)
4) NYSDEC Soil cleanup objectives were obtained from the NYSDEC TAGM #4046, dated December 2000.
5) Shaded areas indicate analyte detection; darker shaded areas indicate an exceedence of applicable NYSDEC Soil Cleanup Objectives.

TABLE 7 SOIL ANALYSIS FOR HEAVY METALS

RoCo, Ltd. 1746 Dale Road, Cheektowaga, New York

HEAVY METALS	BH-11 (8'-10')	GW-1 (8'-10')	GW-2 (8'-10')	GW-3 (10'-12')	GW-4 (6'-8')	GW-5 (8'-10')	NYSDEC Rec. Soil Cleanup Objective (PPM)
Sample Collection Date:	11/02/01	11/01/01	11/01/01	11/02/01	11/02/01	11/01/01	
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg (PPM)
Antimony	<6.65	<6.83	<6.64	<5.66	<6.35	<7.46	SB
Arsenic	7.06	2.58	2.39	1.20	5.18	4.12	7.5 or SB
Beryllium	<0 554	<0.569	<0.553	<0.472	<0.528	<0.622	0.16 (HEAST) OR SB
Cadmium	1.32	1.02	0.572	<0 472	1.24	1.50	1 or SB
Chromium	20.2	18.7	8.82	8.43	21.6	23.2	10 or SB
Copper	30.9	27.1	12.1	8.54	23.8	25.4	25 or SB
Lead	12.7	33.7	9.50	3.02	11.1	20.6	SB****
Mercury	<0.106	<0.0928	<0.0859	<0 0837	<0.0948	<0.0876	0.1
Nickel	23.2	16.0	8.92	<3.77	24.0	27.4	13 or SB
Selenium	<0.554	<0.569	<0.553	<0.472	<0.528	<0.622	2 or SB
Silver	<1.11	<1.14	<1.11	<0.942	<1.06	<1.24	SB
Thallium	<0.665	<0.683	<0.664	<0.566	<0.635	<0.746	SB
Zinc	66.3	78.6	48.4	39.3	56.5	82.1	20 or SB

Notes:

1) Concentrations are in µg/kg, or ppb.
2) ND (Non-Detected above laboratory detection limit)
3) NA (Not Available)
4) NYSDEC Soil cleanup objectives were obtained from the NYSDEC TAGM #4046, dated December 2000.
5) Shaded areas indicate analyte detection; darker shaded areas indicate an exceedence of applicable NYSDEC Soil Cleanup Objectives.
6) The location of GW-5 is not in the delineated area of concern. The site background levels will be based on the results obtained in this sample.

USEPA HEAST Database

**** Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

TABLE 8 GROUNDWATER ANALYSIS FOR VOLATILE ORGANIC COMPOUNDS
RoCo, Ltd. 1746 Dale Road, Cheektowaga, New York

VOLATILE ORGANIC COMPOUNDS	GW-1	GW-2	GW-3	GW-4	GW-5	NYSDEC Groundwater Standards
Sample Collection Date:	11/09/01	11/09/01	11/09/01	11/09/01	11/09/01	
Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Bromodichloromethane	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	NA
Bromomethane	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	NA
Bromoform	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	NA
Carbon tetrachloride	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	5.0
Chloroethane	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	50.0
Chloromethane	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	NA
2-Chloroethyl vinyl ether	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	NA
Chloroform	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	7.0
Dibromochloromethane	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	50.0
1,1-Dichloroethane	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	5.0
1,2-Dichloroethane	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	5.0
1,1-Dichloroethene	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	5.0
cis-1,2-Dichloroethene	481	14.1	4,860	4,280	10.6	5.0
trans-1,2-Dichloroethene	5.42	ND<2.00	ND<1,000	ND<200	ND<2.00	5.0
1,2-Dichloropropane	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	NA
cis-1,3-Dichloropropene	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	NA
trans-1,3-Dichloropropene	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	NA
Methylene chloride	ND<12.5	ND<5.00	ND<2,500	ND<500	ND<5.00	5.0
1,1,2,2-Tetrachloroethane	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	5.0
Tetrachloroethene	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	5.0
1,1,1-Trichloroethane	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	5.0
1,1,2-Trichloroethane	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	NA
Trichloroethene	7.09	88.1	71,600	8,230	ND<2.00	5.0
Vinyl Chloride	291	ND<2.00	ND<1,000	707	ND<2.00	2.0
Benzene	ND<5.00	ND<2.00	ND<1,000	ND<200	7.66	0.70
Chlorobenzene	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	5.0
Ethylbenzene	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	5.0
Toluene	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	5.0
m,p, - xylene	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	5.0
o-xylene	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	5.0
Styrene	ND<5.00	ND<2.00	ND<1,000	ND<200	ND<2.00	NA
Acetone	ND<25.00	ND<10.0	ND<5,000	ND<1,000	ND<10.00	50.0
Vinyl acetate	ND<12.50	ND<5.00	ND<2,500	ND<500	ND<5.00	NA
2-Butanone	ND<12.50	ND<5.00	ND<2,500	ND<500	ND<5.00	50.0
4-Methyl-2-pentanone	ND<12.50	ND<5.00	ND<2,500	ND<500	ND<5.00	50.0
2-Hexanone	ND<12.50	ND<5.00	ND<2,500	ND<500	ND<5.00	NA
Carbon disulfide	ND<12.50	ND<5.00	ND<2,500	ND<500	ND<5.00	50.0

Notes:

1) Concentrations are in µg/l, or ppb.
2) ND (Non-Detected above laboratory detection limit)
3) NA (Not Available)
4) NYSDEC Groundwater Quality Standards were obtained from the NYSDEC NYCRR Part 703.5 - Table 1 Groundwater Standards/Criteria, dated August 1999.
5) Darker shaded areas indicate an exceedence of applicable standards.

TABLE 9 GROUNDWATER ANALYSIS FOR SEMI-VOLATILE ORGANIC COMPOUNDS

RoCo, Ltd. 1746 Dale Road, Cheektowaga, New York

SEMI-VOLATILE ORGANIC COMPOUNDS	GW-3	NYSDEC Groundwater Standards (PPB)
Sample Collection Date:	11/13/01	
Units:	µg/L	µg/L
Benzyl alcohol	ND <25.0	NA
Bis (2-chloroethyl) ether	ND <10.0	NA
Bis (2-chloroisopropyl) ether	ND <10.0	NA
2-Chlorophenol	ND <10.0	50.0
1,3-Dichlorobenzene	ND <10.0	5.00
1,4-Dichlorobenzene	ND <10.0	5.00
1,2-Dichlorobenzene	ND <10.0	4.70
Hexachloroethane	ND <10.0	NA
2-Methylphenol	ND <10.0	5.00
4-Methylphenol	ND <10.0	50.0
N-Nitrosodimetylamine	ND <10.0	NA
N-Nitroso-di-n-propylamine	ND <10.0	NA
Phenol	ND <10.0	1.00
Benzoic acid	ND <25.0	50.0
Bis (2-chloroethoxy) methane	ND <10.0	NA
4-Chloroaniline	ND <10.0	5.00
4-Chloro-3-methylphenol	ND <10.0	5.00
2,4-Dichlorophenol	ND <10.0	1.00
2,6-Dichlorophenol	ND <10.0	NA
2,4-Dimethylphenol	ND <10.0	NA
Hexachlorobutadiene	ND <10.0	NA
Isophorone	ND <10.0	50.0
2-methylnapthalene	ND <10.0	50.0
Naphthalene	ND <10.0	10.0
Nitrobenzene	ND <10.0	5.00
2-Nitrophenol	ND <10.0	5.00
1,2,4-Trichlorobenzene	ND <10.0	5.00
2-Chloronaphthalene	ND <10.0	NA
Acenaphthene	ND <10.0	20.0
Acenapthylene	ND <10.0	21.0
4-Chlorophenyl phenyl ether	ND <10.0	NA
Dibenzofuran	ND <10.0	5.00
Diethyl phthalate	ND <10.0	50.0
Dimethyl phthalate	ND <25.0	50.0

SEMI-VOLATILE ORGANIC COMPOUNDS	GW-3	NYSDEC Groundwater Standards (PPB)
Sample Collection Date:	11/13/01	
Units:	µg/L	µg/L
2,4-Dinitrophenol	ND <10.0	5.00
2,4-Dinitrotoluene	ND <10.0	NA
2,6-Dinitrotoluene	ND <10.0	5.00
Fluorene	ND <10.0	50.0
Hexachlorocyclopentadiene	ND <10.0	NA
2-Nitroanaline	ND <25.0	5.00
3-Nitroaniline	ND <25.0	5.00
4-Nitroaniline	ND <25.0	NA
4-Nitrophenol	ND <25.0	5.00
2,4,6-Trichlorophenol	ND <10.0	NA
2,4,5-Trichlorophenol	ND <25.0	100.00
4-Bromophenyl phenyl ether	ND <10.0	NA
Di-n-butyl phthalate	ND <10.0	50.00
4,6-Dinitro-2-methylphenol	ND <25.0	NA
Fluoranthene	ND <10.0	50.00
Hexachlorobenzene	ND <10.0	0.35
N-Nitrosodiphenylamine	ND <10.0	NA
Pentachlorophenol	ND <25.0	1.00
Anthracene	ND <10.0	50
Phenanthrene	ND <10.0	50
Benzidine	ND <25.0	NA
Benzo (a) anthracene	ND <10.0	2.0
Bis (2-etylhexyl) phthalate	ND <10.0	50.0
Butylbenzylphthalate	ND <10.0	50.0
Chrysene	ND <10.0	0.00
3,3'-Dichlorobenzidine	ND <10.0	NA
Pyrene	ND <10.0	50.00
Benzo (b) fluoranthene	ND <10.0	0
Benzo (k) fluoranthene	ND <10.0	0.0
Benzo (g,h,i) perylene	ND <10.0	5.0
Benzo (a) pyrene	ND <10.0	0.002 (ND)??
Dibenz (a,h) anthracene	ND <10.0	50.00
Di-n-octylphthalate	ND <10.0	50.0
Indeno (1,2,3-cd) pyrene	ND <10.0	0.0

Notes:

1) Concentrations are in µg/kg, or ppb.
2) ND (Non-Detected above laboratory detection limit)
3) NA (Not Available)
4) NYSDEC Groundwater Quality Standards were obtained from the NYSDEC NYCRR Part 703.5 - Table 1 Groundwater Standards/Criteria, dated August 1999.
5) Shaded areas indicate analyte detection; darker shaded areas indicate an exceedence of applicable standards.

TABLE 10 GROUNDWATER ANALYSIS FOR POLYCHLORINATED BIPHENYLS

RoCo, Ltd. 1746 Dale Road, Cheektowaga, New York

POLYCHLORINATED BIPHENYLS	GW-3	NYSDEC Groundwater Standards (PPB)
Sample Collection Date:	11/14/01	
Units:	µg/L	µg/L
PCB 1016	ND<1.00	0.10
PCB 1221	ND<1.00	0.10
PCB 1232	ND<1.00	0.10
PCB 1242	ND<1.00	0.10
PCB 1248	ND<1.00	0.10
PCB 1254	ND<1.00	0.10
PCB 1260	ND<1.00	0.10

Notes:

1) Concentrations are in µg/L, or PPB.
2) ND (Non-Detected above laboratory detection limit)
3) NA (Not Available)
4) NYSDEC Groundwater Quality Standards were obtained from the NYSDEC NYCRR Part 703.5 - Table 1 Groundwater Standards/Criteria, dated August 1999.
5) Shaded areas indicate analyte detection; darker shaded areas indicate an exceedence of applicable standards.

TABLE 11 GROUNDWATER ANALYSIS FOR CHLORINATED HYDROCARBON PESTICIDES

RoCo, Ltd. 1746 Dale Road, Cheektowaga, New York

CHLORINATED HYDROCARBON PESTICIDES	GW-3	NYSDEC Groundwater Standards (PPB)
Sample Collection Date:	11/13/01	
Units:	µg/L	µg/L
alpha-BHC	ND<0.10	ND (<0.05)
gamma-BHC (Lindane)	ND<0.10	ND (<0.05)
beta-BHC	ND<0.10	ND (<0.05)
Heptachlor	ND<0.10	ND (<0.01)
delta-BHC	ND<0.10	ND (<0.05)
Aldrin	ND<0.10	ND (<0.01)
Heptachlor Epoxide	ND<0.10	ND (<0.01)
Chlordane	ND<0.10	0.1
Endosulfan I	ND<0.10	0.1
4,4'-DDE	ND<0.20	ND (<0.01)
Dieldrin	ND<0.20	ND (<0.01)
Endrin	ND<0.20	ND (<0.01)
Endosulfan II	ND<0.20	0.1
4,4'-DDD	ND<0.20	ND (<0.01)
Methoxychlor	ND<0.10	35.0
4,4'-DDT	ND<0.20	ND (<0.01)
Endrin Aldehyde	ND<0.20	NA
Endosulfan Sulfate	ND<0.20	0.1
Endo Ketone	ND<0.10	NA
Toxaphene	ND<2.00	NA

Notes:

1) Concentrations are in µg/kg, or ppb.
2) ND (Non-Detected above laboratory detection limit)
3) NA (Not Available)
4) NYSDEC Groundwater Quality Standards were obtained from the NYSDEC NYCRR Part 703.5 - Table 1 Groundwater Standards/Criteria, dated August 1999.
5) Shaded areas indicate analyte detection; darker shaded areas indicate an exceedence of applicable standards.

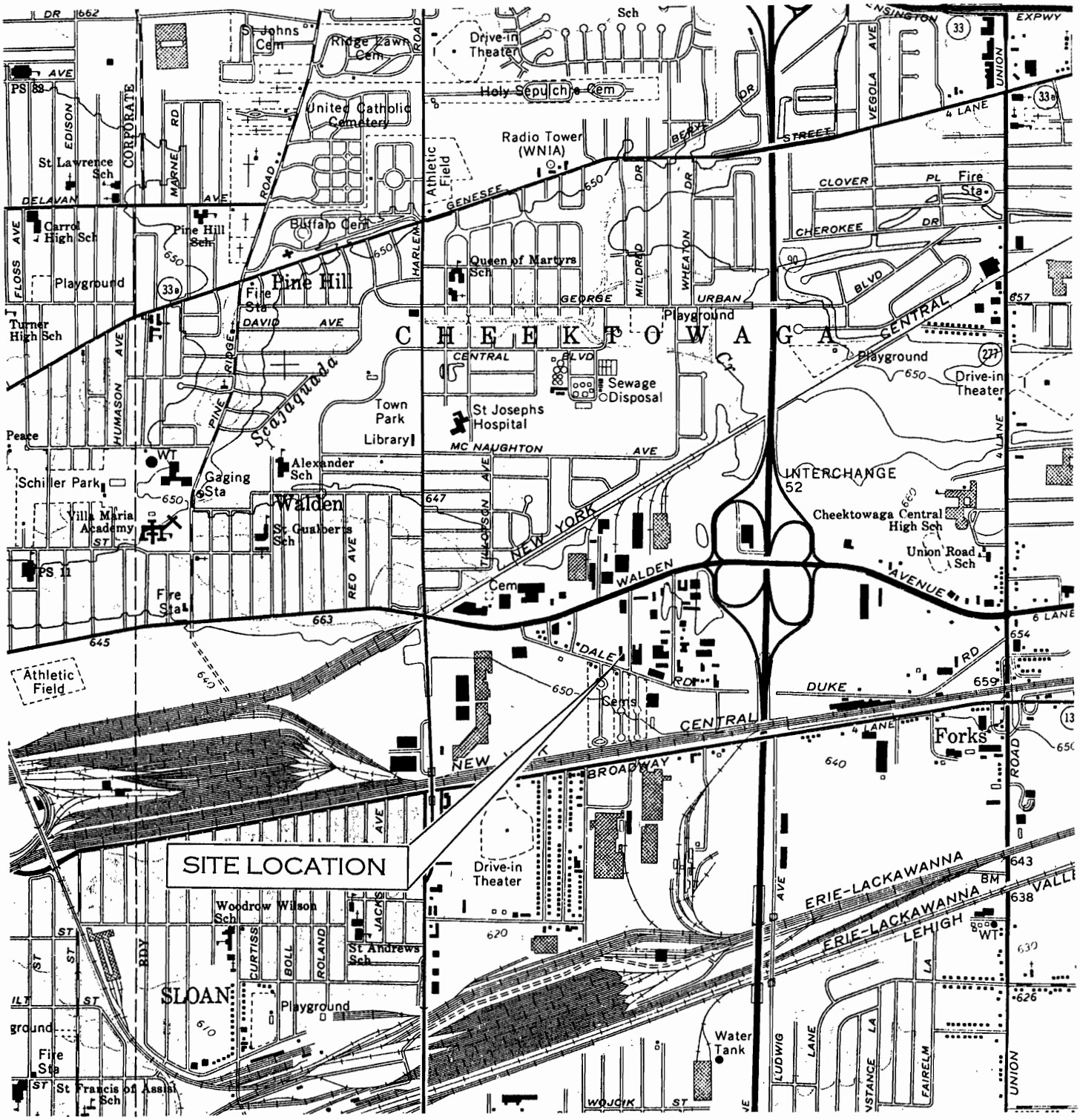
TABLE 12 GROUNDWATER ANALYSIS FOR HEAVY METALS
RoCo, Ltd. 1746 Dale Road, Cheektowaga, New York

HEAVY METALS	GW-3	NYSDEC 6 NYCRR Part 703.5 Water Quality Standards
Sample Collection Date:	11/13/01	
Units:	mg/L	mg/L (ppm)
Antimony	<0.060	0.003
Arsenic	0.048	0.025
Beryllium	<0.005	0.011
Cadmium	0.012	0.005
Chromium	0.516	0.050
Copper	0.434	0.200
Lead	0.135	0.025
Mercury	0.001	0.001
Nickel	0.158	0.100
Selenium	<0.005	0.010
Silver	<0.010	0.050
Thallium	0.024	NA
Zinc	1.91	NA

Notes:

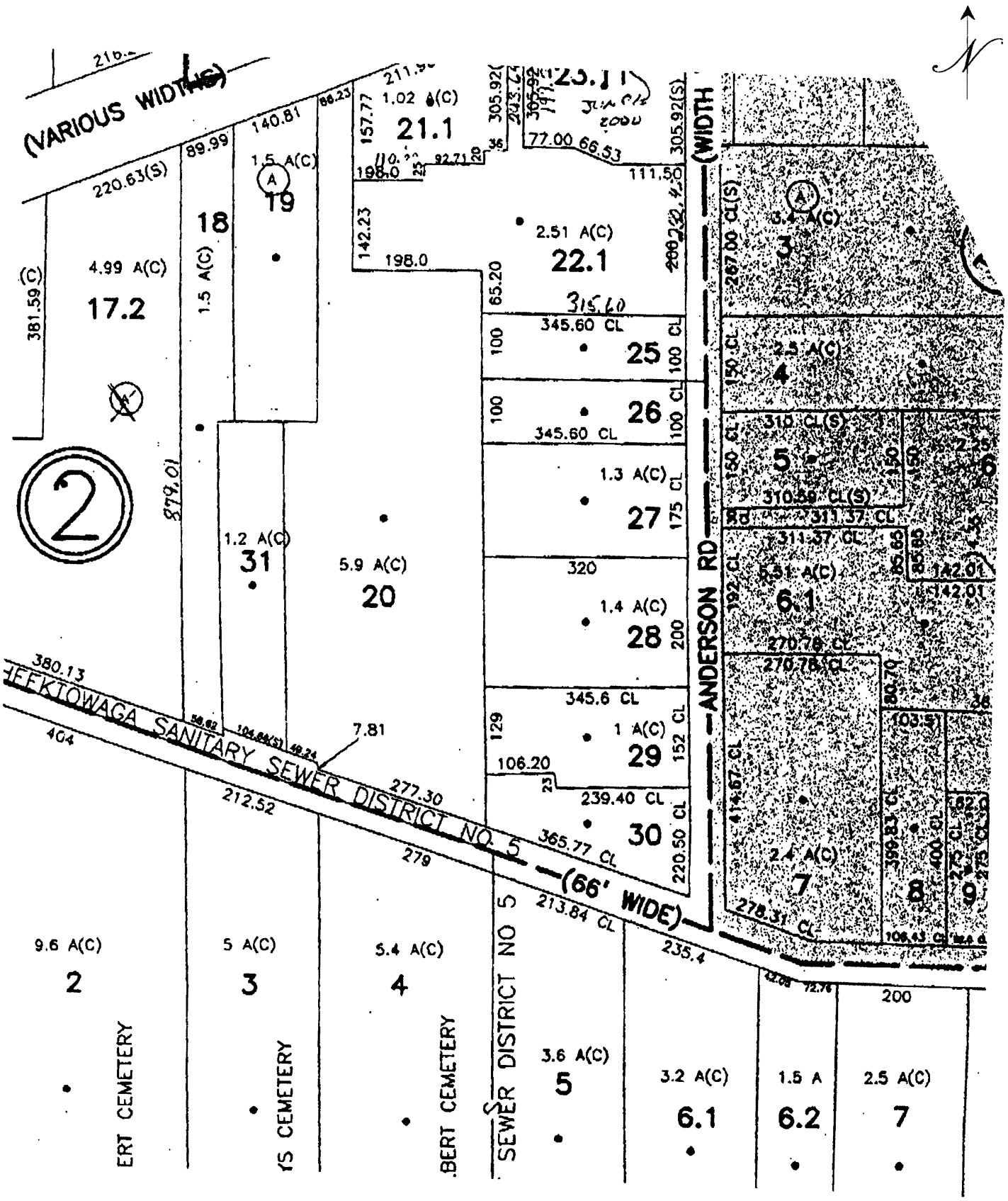
1) Concentrations are in mg/L, or PPM.
2) ND (Non-Detected above laboratory detection limit)
3) NA (Not Available)
4) NYSDEC Groundwater Quality Standards were obtained from the NYSDEC NYCRR Part 703.5 - Table 1 Groundwater Standards/Criteria, dated August 1999.
5) Shaded areas indicate analyte detection; darker shaded areas indicate an exceedence of applicable standards.

APPENDIX B: FIGURES



Source: 1965 USGS NE BUFFALO NEW YORK QUADRANGLE

Title: SITE LOCATION MAP 1746 Dale Road Cheektowaga, New York	LEADER Leader Professional Services, Inc. 2300 Wehrle Drive Williamsville, New York 14221	Project: KCC Date: 2/2002 Scale: 1:24,000	Drawn: KCC Checked: JAW File Name: 147.007	Figure: 1
Prepared For: Jaeckle, Fleischmann & Mugel, LLP				



Source: Town of Cheektowaga Assessors Office

Title: TAX MAP 1746 Dale Road Cheektowaga, New York	LEADER Leader Professional Services, Inc. 2300 Wehrle Drive Williamsville, New York 14221	Project: KCC Date: 2/2002 Scale: N.T.S.	Drawn: KCC Checked: JAW File Name: 147.007	Figure: 2
Prepared For: Jaeckle, Fleischmann & Mugel, LLP				

REPUTED OWNER
RICHARD A. DIVITA
L-9068, P-472
BUILDING

NORTH

GW-2
RIM 656.92

BH-5
GROUND ELEV. 656.15

BH-6
GROUND ELEV. 656.44

ASPHALT

CONCRETE

106.20' DEED

44.70'

GW-4
RIM 658.40

BH-7
GROUND ELEV. 657.85

GW-3
RIM 658.34

BH-9
GROUND ELEV. 658.30

13.25'
4.30'
10.0'
10.15'
5.80'
27.35'
2.40'

23' DEED

BH-4
GROUND ELEV. 656.12

BH-3
GROUND ELEV. 656.00

GW-1
RIM 655.79

239.40' DEED ADDITION

90' DEED

149.40' DEED

ASPHALT

GRASS

51.25'
6.55'
5.80'
2.90'
31.15'
11.10'
29.40'
2.95'
9.0'
3.30'
39.50'
4.90'
52.35'

REPUTED OWNER
FRONTIER
FEDERATED CO-OP
L-6644, P-378

EDGE OF PAVEMENT

CONC PAD

88.20'

123.71' DEED

ASPHALT PARKING AREA

BH-8
GROUND ELEV. 658.20

BH-10
GROUND ELEV. 658.31

BH-12
GROUND ELEV. 658.11

BH-13
GROUND ELEV. 658.06

BH-14
GROUND ELEV. 658.08

BENCHMARK: TOP OF METAL FLASHING AT CORNER OF FENCED CONCRETE HOLDING AREA - ELEV. 657.98

L-5485, P-488
1st DESCRIBED PARCEL

BH-11
GROUND ELEV. 658.12

17.10'
6.05'

ONE STORY
BUILDING NO. 1746

REPUTED OWNER
THE ROTARY COMPANY, INC.
L-5485, P-488

DEED

161.84'

L-5485, P-488
2nd DESCRIBED PARCEL

69.20'

ASPHALT PARKING AREA

95.70'

47.10'

113.45'

GW-5
RIM 659.51

ASPHALT

1.20'
0.35'
0.75'

77.75'

11.4'

BH-1
GROUND ELEV. 657.30

BH-2
GROUND ELEV. 656.83

ASPHALT PARKING AREA

GRASS

220.50' DEED

ANDERSON ROAD (VARYING WIDTHS) (FORMERLY GOOD ROAD)

(FORMERLY 100.0' WIDE PRIVATE ROAD)

DALE ROAD

177.98' DEED

(66.0' WIDE)

365.77' DEED ADDITION

(FORMERLY WALDEN AVENUE)

187.79' DEED

LEGEND

OE	OVERHEAD ELECTRIC
OE&T	OVERHEAD ELECTRIC & TELEPHONE
x	CHAIN LINK FENCE
ø P.P.	POWER POLE
● GW-1	MONITORING WELL
○ BH-1	BORE HOLE LOCATION

NOTE:

1) ELEVATIONS SHOWN REFER TO NAVD 88

Title	SITE PLAN RoCo, Ltd., Cheektowaga, New York
Prepared For:	Jaeckle, Fleischmann & Mugel, LLP

Leader Professional Services, Inc.
2300 Wehrle Drive
Williamsville, New York
14228
(716) 565-0963
(716) 565-0964 (fax)

Project Number:	147.007
Date:	FEBRUARY 2002
Drawn By:	KCC
Checked By:	JAW
Scale:	1" = 30 FEET

Figure Number: 3

REPUTED OWNER
RICHARD A. DIVITA
L-9068, P-472
BUILDING

NORTH

GW-2
RIM 656.92
GW ELEV 655.72

BH-5
GROUND ELEV. 656.15

BH-6
GROUND ELEV. 656.44

ASPHALT

CONCRETE

106.20' DEED

44.70'

13.25'

10.15'

5.80'

27.35'

2.50'

4.50'

14.0'

GW-4
RIM 658.40
GW ELEV 655.32

BH-7
GROUND ELEV. 657.85

GW-3
RIM 658.34
GW ELEV 655.90

BH-9
GROUND ELEV. 658.30

23' DEED

BH-4
GROUND ELEV. 656.12

BH-3
GROUND ELEV. 656.00

GW-1
RIM 655.79
GW ELEV 654.66

239.40' DEED ADDITION

ASPHALT

90' DEED

149.40' DEED

655.0'

655.0'

31.25'

CONC.

6.35'

5.80'

2.95'

31.15'

GRASS

11.10'

29.40'

GRASS

9.0'

3.30'

3.5'

39.50'

90°

GRASS

CONCRETE

52.35'

REPUTED OWNER
FRONTIER
FEDERATED CO-OP
L-6644, P-378

EDGE OF PAVEMENT

CONC. PAD

BH-8
GROUND ELEV. 658.20

654.0'

BH-10
GROUND ELEV. 658.31

BH-13
GROUND ELEV. 658.06

BH-14
GROUND ELEV. 658.08

BENCHMARK: TOP OF METAL FLASHING AT CORNER OF FENCED CONCRETE HOLDING AREA - ELEV. 657.98

88.20'

ASPHALT PARKING AREA

123.71' DEED

BH-12
GROUND ELEV. 658.11

653.0'

L-5485, P-488
1st DESCRIBED PARCEL

BH-11
GROUND ELEV. 658.12

17.10'

6.05'

652.0'

ONE STORY
BUILDING NO. 1746

651.0'

REPUTED OWNER
THE ROTARY COMPANY, INC.
L-5485, P-488

650.0'

113.45'

DEED

161.84'

L-5485, P-488
2nd DESCRIBED PARCEL

63.20'

ASPHALT PARKING AREA

95.70'

47.10'

GW-5
RIM 659.51
GW ELEV 649.68

ASPHALT

1.20'

0.35'

0.75'

77.75'

11.4'

BH-1
GROUND ELEV. 657.30

BH-2
GROUND ELEV. 656.83

GRASS

ASPHALT PARKING AREA

220.50' DEED

ANDERSON ROAD (VARYING WIDTHS) (FORMERLY GOOD ROAD)

(FORMERLY 100.0' WIDE PRIVATE ROAD)

℄ DALE ROAD

177.98' DEED

(66.0' WIDE)

365.77' DEED

ADDITION

(FORMERLY WALDEN AVENUE)

187.79' DEED

LEGEND

OE	OVERHEAD ELECTRIC
OE&T	OVERHEAD ELECTRIC & TELEPHONE
X	CHAIN LINK FENCE
Ø P.P.	POWER POLE
● GW-1	MONITORING WELL
O BH-1	BORE HOLE LOCATION

NOTE:

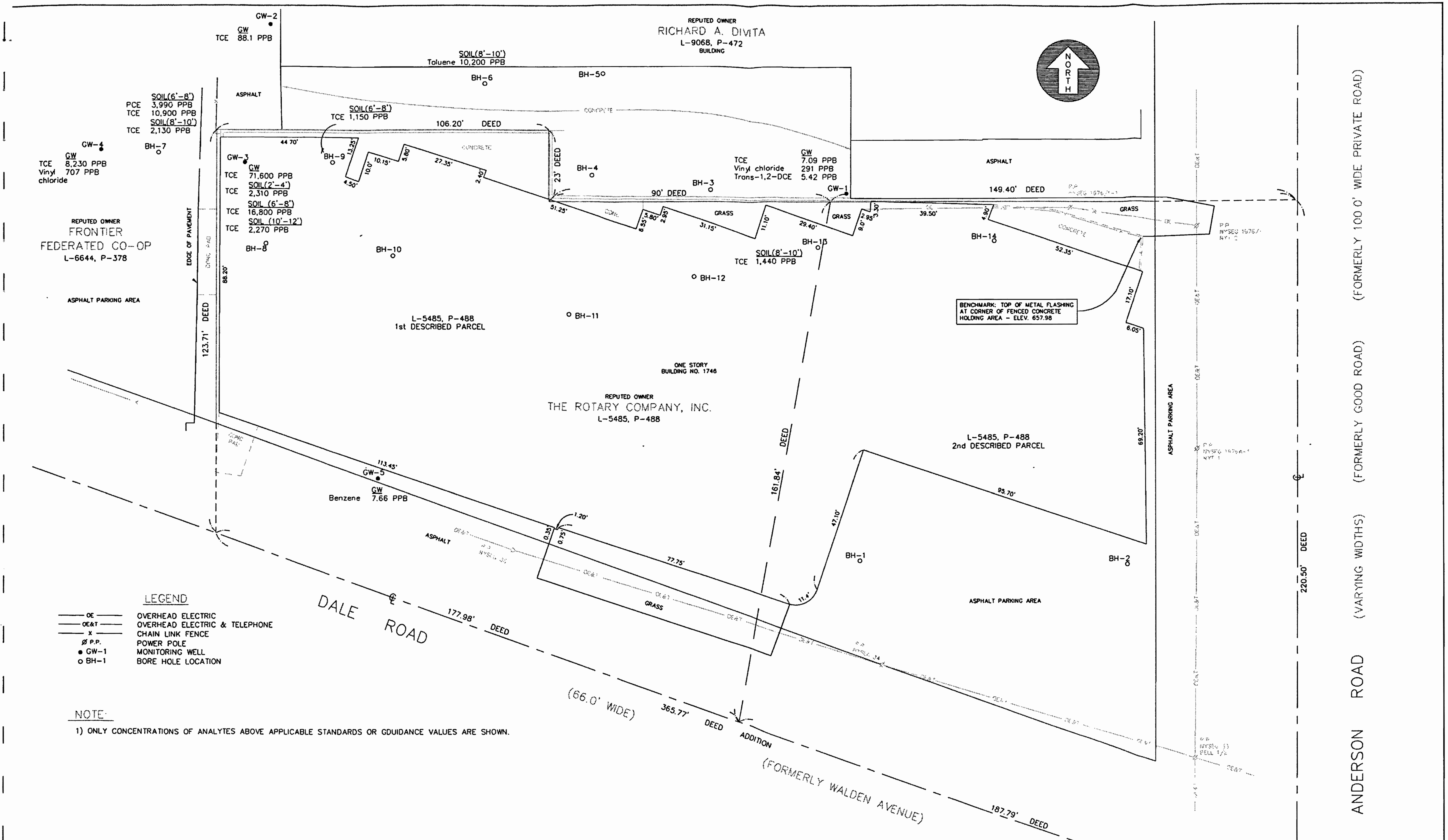
1) ELEVATIONS SHOWN REFER TO NAVD 88
2) GROUNDWATER ELEVATIONS MEASUREMENTS WERE OBTAINED ON NOVEMBER 8, 2001

Title	GROUNDWATER CONTOUR MAP RoCo, Ltd., Cheektowaga, New York
Prepared For:	Jaeckle, Fleischmann & Mugel, LLP

Leader Professional Services, Inc.
2300 Wehrle Drive
Williamsville, New York
14226
(716) 565-0963
(716) 565-0964 (fax)

Project Number:	147.007
Date:	FEBRUARY 2002
Drawn By:	KCC
Checked By:	JAW
Scale:	1" = 30 FEET

Figure Number: 4



GW-2
GW TCE 88.1 PPB
REPUTED OWNER
RICHARD A. DIVITA
L-9068, P-472
BUILDING
SOIL(8'-10') Toluene 10,200 PPB
NORTH
BH-6
BH-5
ASPHALT
SOIL(6'-8') PCE 3,990 PPB TCE 10,900 PPB
SOIL(8'-10') TCE 2,130 PPB
SOIL(6'-8') TCE 1,150 PPB
106.20' DEED
GW-4
GW TCE 8,230 PPB Vinyl chloride 707 PPB
BH-7
GW-3
BH-9
GW TCE 71,600 PPB
SOIL(2'-4') TCE 2,310 PPB
SOIL (6'-8') TCE 16,800 PPB
SOIL (10'-12') TCE 2,270 PPB
BH-4
BH-3
90' DEED
GW TCE 7.09 PPB Vinyl chloride 291 PPB Trans-1,2-DCE 5.42 PPB
GW-1
149.40' DEED
GRASS
REPUTED OWNER
FRONTIER
FEDERATED CO-OP
L-6644, P-378
EDGE OF PAVEMENT
BH-8
BH-10
BH-13
SOIL(8'-10') TCE 1,440 PPB
BH-14
BH-12
ASPHALT PARKING AREA
123.71' DEED
L-5485, P-488
1st DESCRIBED PARCEL
BH-11
BENCHMARK: TOP OF METAL FLASHING AT CORNER OF FENCED CONCRETE HOLDING AREA - ELEV. 657.98
ONE STORY BUILDING NO. 1746
REPUTED OWNER
THE ROTARY COMPANY, INC.
L-5485, P-488
L-5485, P-488
2nd DESCRIBED PARCEL
161.84' DEED
ASPHALT PARKING AREA
GW-5
GW Benzene 7.66 PPB
BH-1
BH-2
ASPHALT PARKING AREA
LEGEND
OE OVERHEAD ELECTRIC
OE&T OVERHEAD ELECTRIC & TELEPHONE
X CHAIN LINK FENCE
P.P. POWER POLE
GW-1 MONITORING WELL
BH-1 BORE HOLE LOCATION
DALE ROAD
177.98' DEED
(66.0' WIDE)
365.77' DEED ADDITION
(FORMERLY WALDEN AVENUE)
187.79' DEED
220.50' DEED
ANDERSON ROAD (VARYING WIDTHS) (FORMERLY GOOD ROAD) (FORMERLY 100.0' WIDE PRIVATE ROAD)
NOTE:
1) ONLY CONCENTRATIONS OF ANALYTES ABOVE APPLICABLE STANDARDS OR GUIDANCE VALUES ARE SHOWN.

Title

SOIL & GROUNDWATER CONCENTRATION MAP

RoCo, Ltd., Cheektowaga, New York

Prepared For: Jaeckle, Fleischmann & Mugel, LLP

Leader Professional Services, Inc.
2300 Wehrle Drive
Williamsville, New York 14228
(716) 565-0963
(716) 565-0964 (fax)

Project Number:	147.007
Date:	FEBRUARY 2002
Drawn By:	KCC
Checked By:	JAW
Scale:	1" = 30 FEET

Figure Number: 5

REPUTED OWNER
RICHARD A. DIVITA
L-9068, P-472
BUILDING

NORTH

SOIL(8'-10')
TOLUENE 10,200 PPB

BH-6

BH-5

CW
TCE 88.1 PPB

GW-2

ASPHALT

AREA = 4,400 SQ.-FT.

SOIL(6'-8')
TCE 1,150 PPB

106.20' DEED

CONCRETE

SOIL(6'-8')
PCE 3,590 PPB
TCE 10,900 PPB
SOIL(8'-10')
TCE 2,130 PPB

GW-4
GW
TCE 8,230 PPB
Vinyl chloride 707 PPB

BH-7

GW-3
CW
TCE 71,600 PPB
SOIL(2'-4')
TCE 2,310 PPB
SOIL (6'-8')
TCE 16,800 PPB
SOIL (10'-12')
TCE 2,270 PPB

BH-9

BH-8

BH-10

BH-4

BH-3

TCE
Vinyl chloride
Trans-1,2-DCE

CW
7.09 PPB
291 PPB
5.42 PPB

AREA = 2,100 SQ.-FT.

GW-1

90' DEED

23' DEED

ASPHALT

149.40' DEED

GRASS

BH-13

SOIL(8'-10')
TCE 1,440 PPB

BH-14

BH-12

BH-11

EDGE OF PAVEMENT

CONC. PAD

88.20'

123.71' DEED

ASPHALT PARKING AREA
REPUTED OWNER
FRONTIER
FEDERATED CO-OP
L-6644, P-378

L-5485, P-488
1st DESCRIBED PARCEL

BENCHMARK: TOP OF METAL FLASHING AT CORNER OF FENCED CONCRETE HOLDING AREA - ELEV. 657.98

ONE STORY
BUILDING NO. 1746

REPUTED OWNER
THE ROTARY COMPANY, INC.
L-5485, P-488

L-5485, P-488
2nd DESCRIBED PARCEL

ASPHALT PARKING AREA

BH-1

BH-2

GW-5
CW
Benzene 7.66 PPB

113.45'

1.20'

0.35'

0.75'

77.75'

11.4'

47.10'

161.84' DEED

95.70'

69.20'

ASPHALT

GRASS

ASPHALT PARKING AREA

DALE ROAD

177.98' DEED

(66.0' WIDE)

365.77' DEED

ADDITION

(FORMERLY WALDEN AVENUE)

187.79' DEED

220.50' DEED

ANDERSON ROAD (VARYING WIDTHS) (FORMERLY GOOD ROAD)

(FORMERLY 100.0' WIDE PRIVATE ROAD)

LEGEND

OE	OVERHEAD ELECTRIC
OE&T	OVERHEAD ELECTRIC & TELEPHONE
x	CHAIN LINK FENCE
Ø P.P.	POWER POLE
● GW-1	MONITORING WELL
o BH-1	BORE HOLE LOCATION

APPROXIMATE AREA OF SOIL & GROUNDWATER CONTAMINATION ABOVE APPLICABLE STANDARDS OR GUIDANCE VALUES

NOTES:

1) ONLY CONCENTRATIONS OF ANALYTES ABOVE APPLICABLE STANDARDS OR GUIDANCE VALUES ARE SHOWN.
2) APPROXIMATE LIMITS OF SOIL CONTAMINATION BASED ON PREVIOUS AND 2001 DATA FROM 6 TO 10 FT. BGS.

Title: EXTENT OF CONTAMINATION MAP
RaCo, Ltd., Cheektowaga, New York

Prepared For: Jaeckle, Fleischmann & Mugel, LLP

Leader Professional Services, Inc.
2300 Wehrle Drive
Williamsville, New York
14228
(716) 565-0963
(716) 565-0964 (fax)

Project Number: 147.007
Date: FEBRUARY 2002
Drawn By: KCC
Checked By: JAW
Scale: 1" = 30 FEET

Figure Number: 6

APPENDIX C: REMEDIAL COST ANALYSIS

REMEDIAL SOIL VOLUME ESTIMATE FOR ROCO, LTD. SITE

ASSUMPTIONS:

1) AREA APPROXIMATED ON ATTACHED FIGURE
2) MAXIMUM DEPTH OF SOIL CONTAMINATION IS 16 FT. BGS
3) AVERAGE INTERVAL OF SOIL CONTAMINATION 9 FT.
4) UNIT WEIGHT ESTIMATED AT 1.3 TONS/CUBIC YARD

VOLUME ESTIMATE

DESCRIPTION	AREA SQ.-FT.	APPROX. DEPTH FT.	VOLUME CUBIC-FT.	VOLUME CUBIC-YDS.	MASS TONS
EAST AREA	2,100	9	18,900	700	910
WEST AREA	4,400	9	39,600	1,467	1,907
TOTALS =	6,500	18	58,500	2,167	2,817

ALTERNATIVE 1
EXCAVATION AND REMOVAL

ROCO,LTD. SITE
1746 DALE ROAD, CHEEKTOWAGA, NEW YORK

DESCRIPTION	QUANTITY	UNIT	UNIT COST(1)	TOTAL COST
PREREMEDIAL STUDIES	5	Locations	$1,000	$5,000
REMEDIAL ACTION PLAN				
Scope of Work	60	Hours	$70	$4,200
Health and Safety Plan	24	Hours	$70	$1,680
NYSDEC Modifications	12	Hours	$70	$840
EXCAVATION AND REMOVAL				
Excavation Costs	2,167	Cubic Yards	$20	$43,333
Additional Handling Costs for Under Foundation	1,083	Cubic Yards	$40	$43,333
Groundwater Disposal/Treatment	131,274	Gals	$0.15	$19,691
Soil Disposal (Hazardous)	953	Tons	$94	$89,613
Soil Disposal (Non-Hazardous)	1,863	Tons	$40	$74,533
Transportation	2,817	Tons	$10	$28,167
Confirmatory Sampling	20	Sample	$150	$3,000
Closure Costs	2,817	Tons	$15	$42,250
Engineering Oversight	150	Hours	$70	$10,500
CLOSURE REPORT				
Report Preparation	50	Hours	$70	$3,500
TOTAL DIRECT COST (TDC)				$369,641
INDIRECT COSTS				
Contingency - 10% of TDC				$36,964
TOTAL COSTS				**$406,605**

NOTES:
1) Labor & Equipment unit rate @ level D protection.
2) All TCE impacted soil considered hazardous waste
3) Soil porosity estimated to be 30%

ALTERNATIVE 2
INSITU BIOREMEDIAITON

ROCO,LTD. SITE
1746 DALE ROAD, CHEEKTOWAGA, NEW YORK

DESCRIPTION	QUANTITY	UNIT	UNIT COST(1)	TOTAL COST
PREREMEDIAL STUDIES				
Additional Delineation	5	Locations	$1,000	$5,000
Treatability Studies	1	Study	$5,000	$5,000
REMEDIAL ACTION PLAN				
Scope of Work	50	Hours	$70	$3,500
Health and Safety Plan	20	Hours	$70	$1,400
NYSDEC Modifications	12	Hours	$70	$840
INJECTION OF HRC				
HRC Material Costs (2nd application near source	5,000	Pounds	$6	$30,000
HRC Injection Costs Using Geoprobe	10	Days	$2,000	$20,000
Confirmatory Sampling/Monitoring	26	Sample	$300	$7,800
Engineering Oversight	115	Hours	$70	$8,050
CLOSURE REPORT				
Report Preparation	50	Hours	$70	$3,500
TOTAL DIRECT COST (TDC)				$85,090
INDIRECT COSTS				
Contingency - 10% of TDC				$8,509
TOTAL COSTS				**$93,599**

NOTES:
1) Labor & Equipment unit rate @ level D protection.
2) All TCE impacted soil considered hazardous waste
3) Soil porosity estimated to be 30%

ALTERNATIVE 3
INSITU OXIDATION

ROCO,LTD. SITE
1746 DALE ROAD, CHEEKTOWAGA, NEW YORK

DESCRIPTION	QUANTITY	UNIT	UNIT COST(1)	TOTAL COST
PREREMEDIAL STUDIES				
Additional Delineation	5	Locations	$1,000	$5,000
Treatability Studies	1	Study	$90,000	$90,000
REMEDIAL ACTION PLAN				
Scope of Work	50	Hours	$70	$3,500
Health and Safety Plan	20	Hours	$70	$1,400
NYSDEC Modifications	12	Hours	$70	$840
INJECTION OF PERMANGANATE				
Permanganate Injection Costs	2	Injections	$400,000	$800,000
Confirmatory Sampling/Monitoring (included ab	NA	NA	NA	NA
Engineering Oversight (included above)	NA	NA	NA	NA
CLOSURE REPORT				
Report Preparation (included above)	NA	NA	NA	NA
TOTAL DIRECT COST (TDC)				$900,740
INDIRECT COSTS				
Contingency (included above)				NA
TOTAL COSTS				**$900,740**

NOTES:
1) Labor & Equipment unit rate @ level D protection.
2) All TCE impacted soil considered hazardous waste
3) Soil porosity estimated to be 30%

ALTERNATIVE 4
SVE/INSITU OXIDATION

ROCO,LTD. SITE
1746 DALE ROAD, CHEEKTOWAGA, NEW YORK

DESCRIPTION	QUANTITY	UNIT	UNIT COST(1)	TOTAL COST
PREREMEDIAL STUDIES				
Additional Delineation	5	Locations	$1,000	$5,000
Treatability Studies	1	Study	$80,000	$80,000
REMEDIAL ACTION PLAN				
Scope of Work	50	Hours	$70	$3,500
Health and Safety Plan	20	Hours	$70	$1,400
NYSDEC Modifications	12	Hours	$70	$840
SVE SYSTEM INSTALLATION				
System Design and Installation	1	SVE System	$850,000	$850,000
INJECTION OF PERMANGANATE				
Permanganate Injection Costs	2	Injections	$175,000	$350,000
Confirmatory Sampling/Monitoring (included ab	NA	NA	NA	NA
Engineering Oversight (included above)	NA	NA	NA	NA
CLOSURE REPORT				
Report Preparation (included above)	NA	NA	NA	NA
TOTAL DIRECT COST (TDC)				$1,290,740
INDIRECT COSTS				
Contingency (included above)				NA
TOTAL COSTS				**$1,290,740**

NOTES:
1) Labor & Equipment unit rate @ level D protection.
2) All TCE impacted soil considered hazardous waste
3) Soil porosity estimated to be 30%

APPENDIX D: PHOTOGRAPHS OF FIELD ACTIVITIES

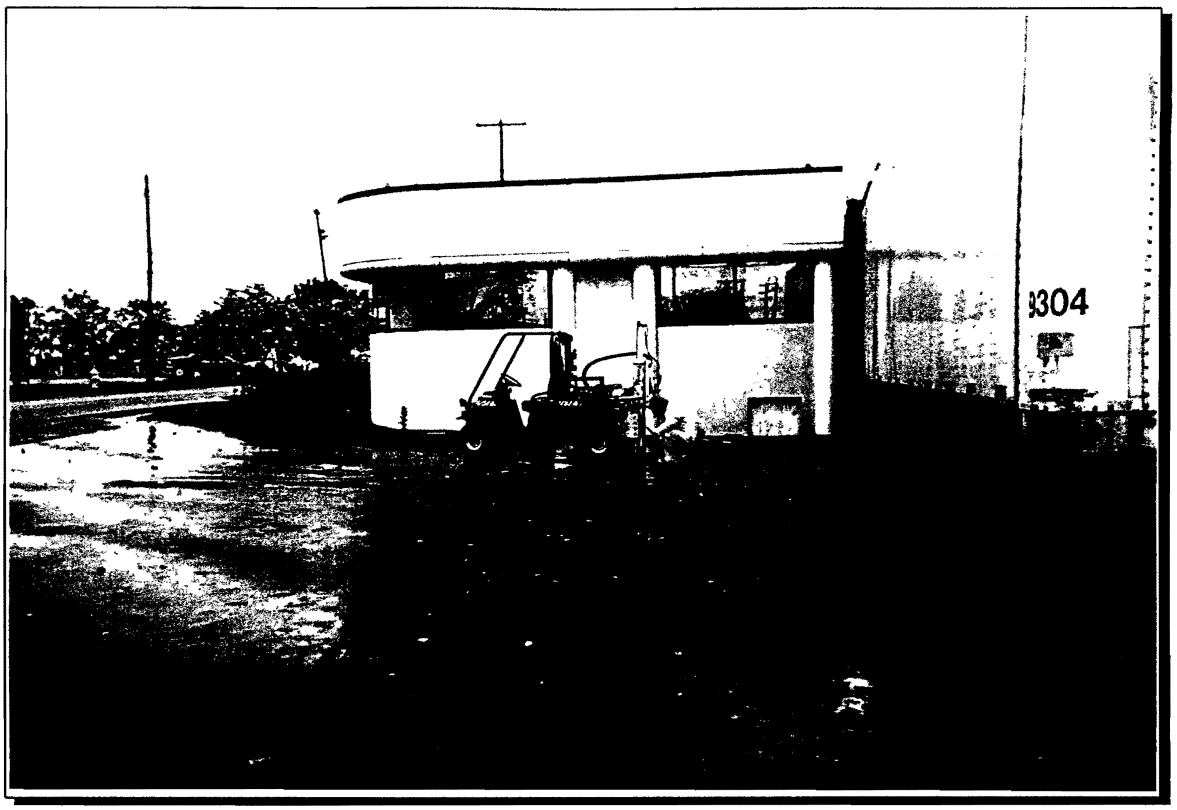


PHOTO 1: View of the Geoprobe unit completing boring hole 1 (BH-1) in the southeastern portion of the Site.

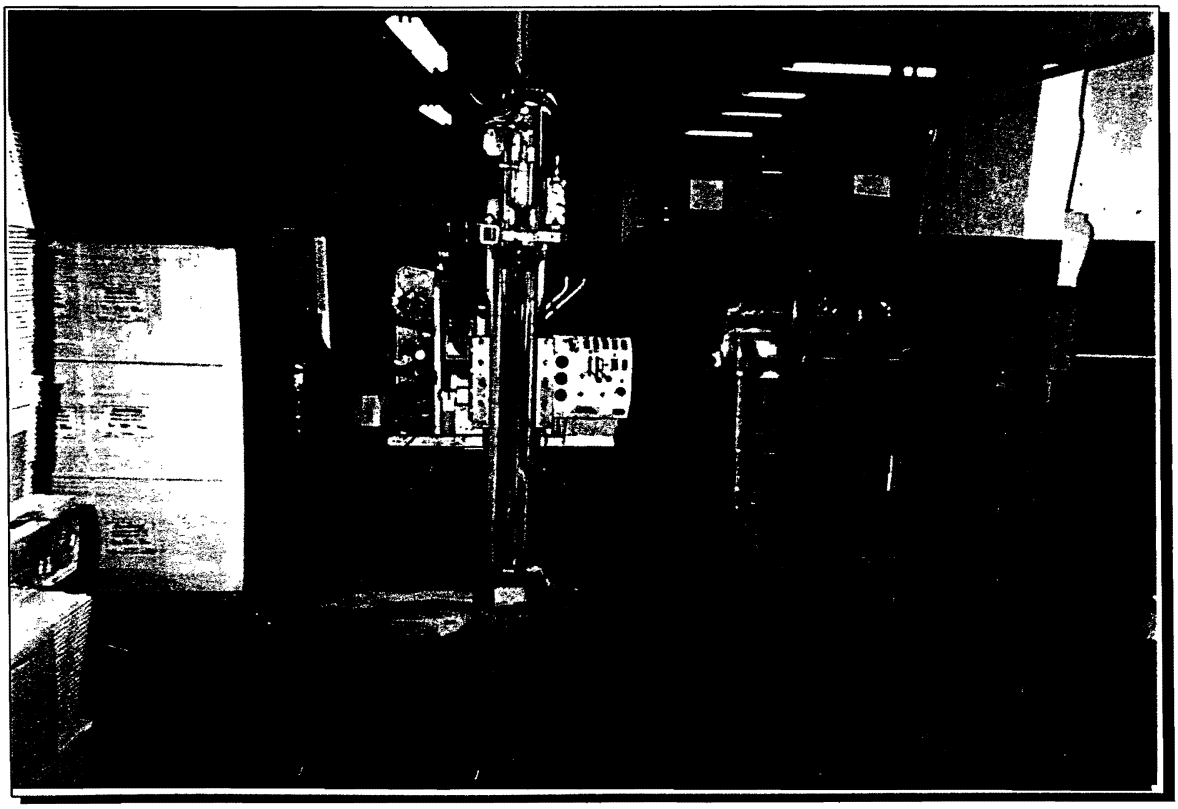


PHOTO 2: View of the Geoprobe unit completing boring hole 11 (BH-11) in the interior of the building.

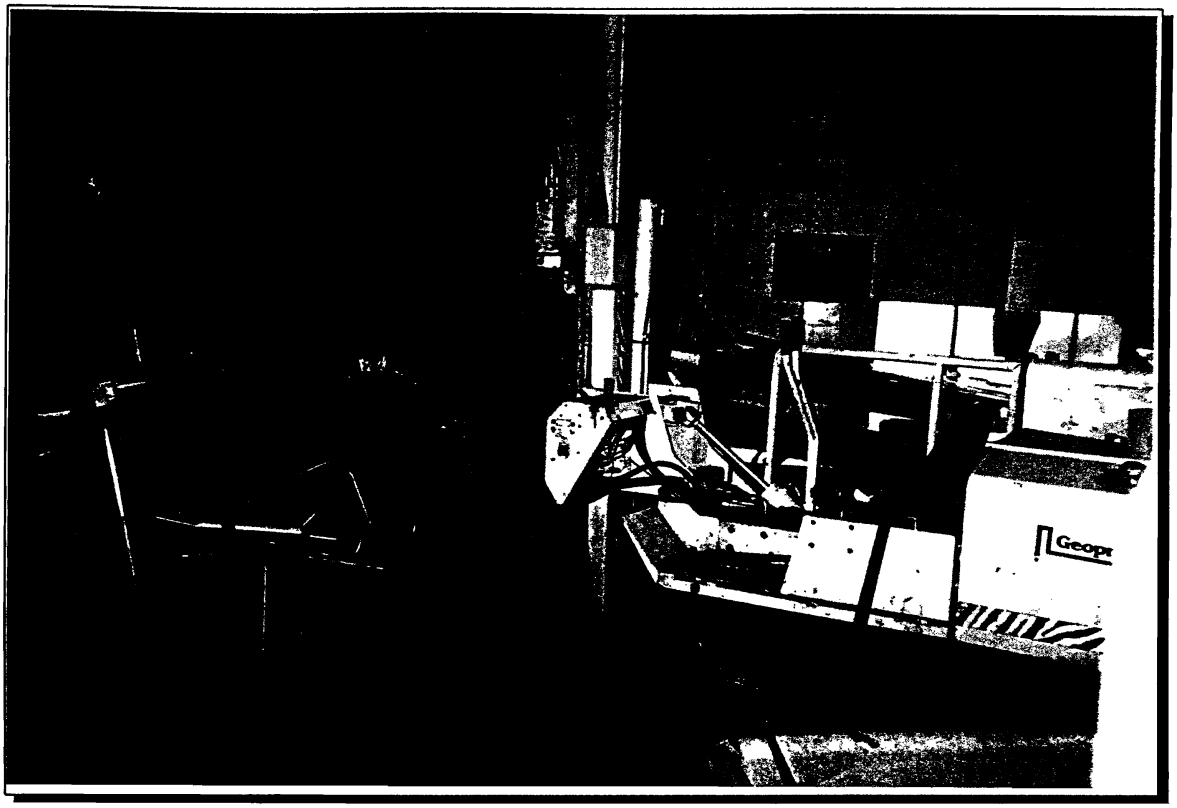


PHOTO 3: View of the Geoprobe unit completing boring hole 9 (BH-9) in the interior of the building.

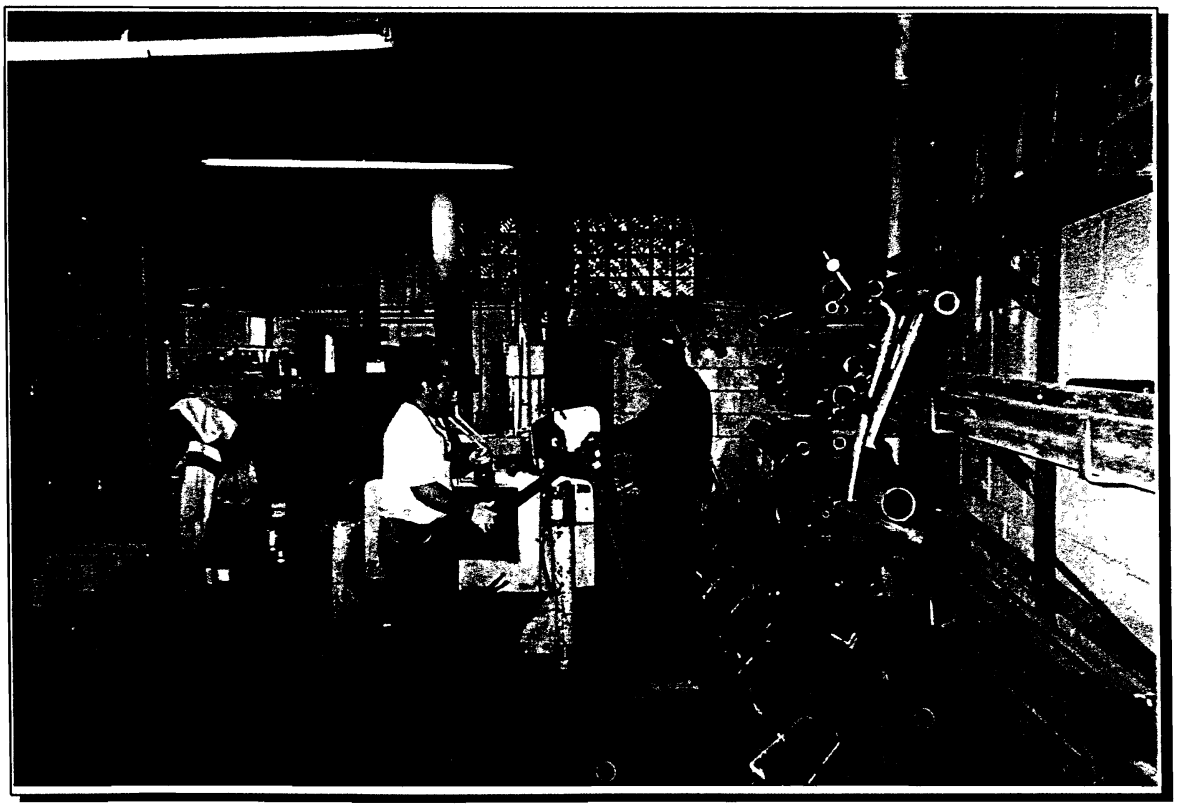


PHOTO 4: View of the Geoprobe unit completing monitoring well 3 (GW-3) in the interior of the building.

PHOTO 5: View of the acetate liners and four-foot long soil samples. Following review of the soil samples, the characteristics are then recorded on the boring log sheets.

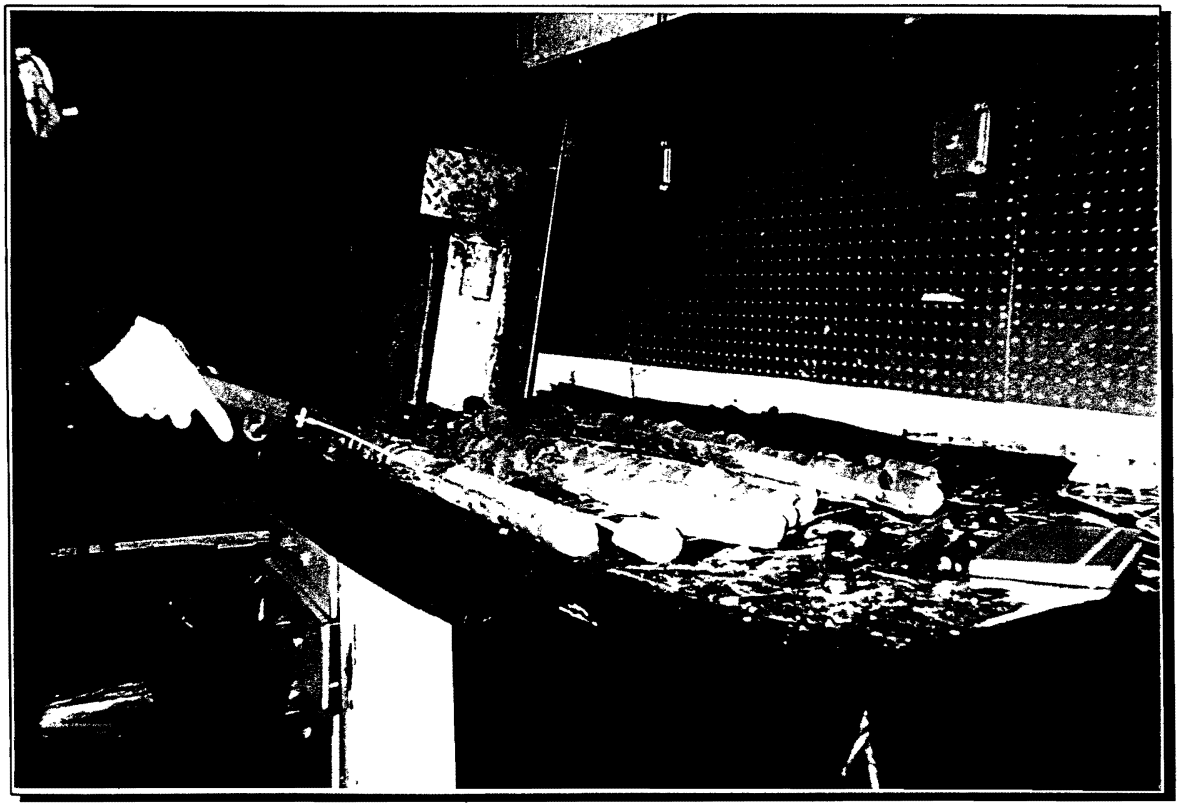


PHOTO 6: View of the PID field screening of the soil samples to assess whether VOCs are present.

APPENDIX E: TEST BORING/MONITORING WELL LOGS

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: OCTOBER 25, 2001 — BH-1

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY: ZEBRA Envrionmental, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr. Dominic Pino/Mr. Philip Orsi
TOTAL DEPTH: 15 feet
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: NA
SCREEN LENGTH: NA
SCREEN TYPE: NA
CASING DIAMETER: NA
CASING LENGTH: NA
CASING TYPE: NA
SAMPLING METHOD: Macro core open sampling

TEST BORING DESIGNATION: BH-1

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0 PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
1		S-1	NA	48-inches	Gray, GRAVEL and FMC SAND, dry. ... brown, damp.	
2					[FILL]	
3					Olive-brown, FMC SAND and SILTY CLAY, damp.	
4						
5		S-2	NA	48-inches	... olive.	
6					... reddish-brown with olive streaking, SILTY CLAY.	
7						
8					... wet.	
9		S-3	NA	48-inches		
10						
11					... damp. ... gray.	
12						
13		S-4	NA	36-inches		
14					... pink.	
15					[SILTY CLAY]	
16					Bottom of Hole at 15-feet	
17						
18						
19						

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: OCTOBER 25, 2001 — BH-2

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY: ZEBRA Envrionmental, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr. Dominic Pino/Mr. Philip Orsi
TOTAL DEPTH: 15-feet
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: NA
SCREEN LENGTH: NA
SCREEN TYPE: NA
CASING DIAMETER: NA
CASING LENGTH: NA
CASING TYPE: NA
SAMPLING METHOD: Macro core open sampling

TEST BORING DESIGNATION: BH-2

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
1		S-1	NA	48-inches	Gray, FMC SAND and GRAVEL, damp.	
2					... black, GRAVEL, wet. [FILL]	
3					Pink, SILTY CLAY, damp.	
4						
5		S-2	NA	48-inches		
6					... olive streaking.	
7					... pink.	
8					[SILTY CLAY]	
9		S-3	NA	48-inches	Black, GRAVEL AND FMC SAND, some Silty Clay, wet.	
10					[GRAVEL and FMC SAND]	
11					Olive, FMC SAND,some Silty Clay, wet.	
12					Pink, SILTY CLAY, damp.	
13		S-4	NA	36-inches	[SILTY CLAY]	
14					Black, FMC SAND and GRAVEL, wet	
15					[FMC SAND and GRAVEL]	
16					Pink, SILTY CLAY, damp. [SILTY CLAY]	
17						
18						
19					Bottom of hole at 15-feet	

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: OCTOBER 25, 2001 — BH-3

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY: ZEBRA Envrionmental, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr. Dominic Pino/Mr. Philip Orsi
TOTAL DEPTH: 18-feet
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: NA
SCREEN LENGTH: NA
SCREEN TYPE: NA
CASING DIAMETER: NA
CASING LENGTH: NA
CASING TYPE: NA
SAMPLING METHOD: Macro core open sampling

TEST BORING DESIGNATION: BH-3

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0 PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
		S-1	NA	48-inches	Light gray, GRAVEL, dry. [FILL]	
1					Olive, FMC SAND and GRAVEL, damp. [FMC SAND and GRAVEL]	
					... black, some Gravel, wet.	
2						
					... olive-black.	
3						
					... olive-gold, wet.	
4						
		S-2	NA	48-inches	... some Silty Clay, damp.	
5					[FMC SAND]	
					Pink-Olive, SILTY CLAY, some FMC Sand, wet.	
6						
7						
8						
		S-3	NA	48-inches		
9						
10						
11						
12						
		S-4	NA	48-inches		
13						
14						
15						
16					[SILTY CLAY]	
					Bottom of hole at 16-feet	
17						
18						
19						

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: OCTOBER 25, 2001 — BH-4

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY: ZEBRA Envrionmental, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr. Dominic Pino/Mr. Philip Orsi
TOTAL DEPTH:
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: NA
SCREEN LENGTH: NA
SCREEN TYPE: NA
CASING DIAMETER: NA
CASING LENGTH: NA
CASING TYPE: NA
SAMPLING METHOD: Macro core open sampling

TEST BORING DESIGNATION: BH-4

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0 PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
		S-1	NA	48-inches	White, FILL, dry. [FILL]	
1					Gray, GRAVEL and FMC SAND, wet.	
2	81.5 PPM				... black.	
					... gold with olive streaks, FMC SAND, damp.	
3						
					[GRAVEL and FMC SAND]	
4					Pink, SILTY CLAY, damp.	
		S-2	NA	48-inches		
5					... olive streaks.	
6						
					... pink, wet.	
7						
8					[SILTY CLAY]	
		S-3	NA	48-inches	Gray, GRAVEL and FMC SAND, wet. [GRAVEL and FMC SAND]	
9					Pink, SILTY CLAY, some FMC SAND, damp.	
10						
11						
12					[SILTY CLAY]	
		S-4	NA	48-inches	Brown, GRAVEL and FMC SAND, damp.	
13						
14						
					[GRAVEL and FMC SAND]	
15					Pink, SILTY CLAY, some FMC SAND, damp.	
16					[SILTY CLAY]	
					Bottom of hole at 16-feet.	
17						
18						
19						

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: OCTOBER 25, 2001 — BH-5

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY: ZEBRA Envrionmental, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr. Dominic Pino/Mr. Philip Orsi
TOTAL DEPTH: 16-feet
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: NA
SCREEN LENGTH: NA
SCREEN TYPE: NA
CASING DIAMETER: NA
CASING LENGTH: NA
CASING TYPE: NA
SAMPLING METHOD: Macro core open sampling

TEST BORING DESIGNATION: BH-5

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0 PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
		S-1	NA	48-inches	Gray, FILL, dry.	
1					Olive, FMC SAND and GRAVEL, damp.	
					... little Gravel.	
2					... and SILTY CLAY.	
3						
4						
		S-2	NA	48-inches		
5					... olive-gold.	
6					... pink.	
7						
8						
		S-3	NA	48-inches		
9					Olive, FMC SAND and GRAVEL, wet. [FMC SAND and GRAVEL]	
					Reddish-brown, SILTY CLAY, damp.	
10						
11						
12					[SILTY CLAY]	
		S-4	NA	48-inches		
13					Olive, FMC SAND and GRAVEL, wet. [FMC SAND and GRAVEL]	
14						
15					Reddish-brown, CLAY, damp.	
16					[CLAY]	
					Bottom of hole at 16-feet.	
17						
18						
19						

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: OCTOBER 25, 2001 — BH-6

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY: ZEBRA Envrionmental, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr. Dominic Pino
TOTAL DEPTH: 16-feet
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: NA
SCREEN LENGTH: NA
SCREEN TYPE: NA
CASING DIAMETER: NA
CASING LENGTH: NA
CASING TYPE: NA
SAMPLING METHOD: Macro core open sampling

TEST BORING DESIGNATION: BH-6

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0 PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
		S-1	NA	48-inches	Gray, FILL, dry. [FILL]	
1					Gray, FMC SAND and GRAVEL, damp.	
					[FMC SAND and GRAVEL]	
2					Olive, FMC SAND, little Silty Clay, wet.	
3						
					... SILTY CLAY, some FMC Sand, damp.	
4						
		S-2	NA	48-inches		
5					... reddish-brown.	
6						
7						
8						
		S-3	NA	48-inches	... olive, FMC SAND, wet.	
9	9.3 PPM					
	33.4 PPM					
10	40.0 PPM				... reddish-brown, SILTY CLAY, some FMC Sand.	
	25.0 PPM					
11	21.5 PPM				... SILTY CLAY, damp	
	31.8 PPM					
12	3.5 PPM					
		S-4	NA	0-inches	... wet (no recovery).	
13						
14						
15						
16					[FMC SAND and SILTY CLAY]	
					Bottom of hole at 16-feet.	
17						
18						
19						

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: OCTOBER 25, 2001 — BH-7

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY: ZEBRA Envrionmental, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr. Dominic Pino/Mr. Philip Orsi
TOTAL DEPTH: 16-feet
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: NA
SCREEN LENGTH: NA
SCREEN TYPE: NA
CASING DIAMETER: NA
CASING LENGTH: NA
CASING TYPE: NA
SAMPLING METHOD: Macro core open sampling

TEST BORING DESIGNATION: BH-7

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0 PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
		S-1	NA	48-inches	Grayish-black, FILL, dry. [FILL]	
1					Black, FMC SAND, damp.	
2					... olive, little Silty Clay, wet.	
3	. 1.4 PPM					
	18.5 PPM				... damp.	
4	0.0 PPM				... reddish-brown.	
		S-2	NA	48-inches	... SILTY CLAY, damp.	
5						
6						
7	12.5 PPM				... reddish-brown.	
	40.0 PPM					
8	47.1 PPM					
		S-3	NA	48-inches	... gray.	
9	3.0 PPM					
	6.1 PPM					
10	7.8 PPM					
	0.0 PPM					
11					... brown, FMC SAND.	
12						
		S-4	NA	48-inches	... wet.	
13						
14					... reddish-brown, SILTY CLAY, damp.	
15						
16	▼				[FMC SAND and SILTY CLAY]	
					Bottom of hole at 16-feet.	
17						
18						
19						

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: NOVEMBER 2, 2001 — BH-8

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY: ZEBRA Envrionmental, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr.Philip Orsi/Mr. Christopher Donovan
TOTAL DEPTH: 16-feet
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: NA
SCREEN LENGTH: NA
SCREEN TYPE: NA
CASING DIAMETER: NA
CASING LENGTH: NA
CASING TYPE: NA
SAMPLING METHOD: Macro core open sampling

TEST BORING DESIGNATION: BH-8

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0 PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
1		S-1	NA	48-inches	Gray, FILL, damp.	
2					[FILL]	
3					Olive, FMC SAND, some GRAVEL, little Silty Clay, wet.	
4						
5		S-2	NA	48-inches	... SILTY CLAY, dry	
6						
7					... reddish-gray.	
8						
9		S-3	NA	48-inches	... olive, FMC SAND, some Silty Clay, wet.	
10					... reddish-brown, SILTY CLAY, some FMC SAND, damp	
11						
12					... SILTY CLAY, damp.	
13		S-4	NA	48-inches	... olive, FMC SAND, wet.	
14						
15						
16					... reddish-gray, SILTY CLAY, little FMC Sand, damp. [FMC SAND and SILTY CLAY]	
17					Bottom of hole at 16-feet.	
18						
19						

LEADER PROFESSIONAL SERVICES, INC.
2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: NOVEMBER 2, 2001 — BH-9

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY: ZEBRA Envrionmental, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr. Philip Orsi/ Mr. Christopher Donovan
TOTAL DEPTH: 16-feet
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: NA
SCREEN LENGTH: NA
SCREEN TYPE: NA
CASING DIAMETER: NA
CASING LENGTH: NA
CASING TYPE: NA
SAMPLING METHOD: Macro core open sampling

TEST BORING DESIGNATION: BH-9

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0 PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
		S-1	NA	48-inches	Black, FMC SAND, damp.	
1						
					... red brick fragments. [FILL]	
2					Light olive, FMC SAND, wet.	
3						
					... reddish-brown, SILTY CLAY, little FMC Sand, damp.	
4						
		S-2	NA	48-inches		
5						
					... light olive, FMC SAND, wet.	
6	9.8 PPM					
	22.6 PPM				... FMC SAND and SILTY CLAY, damp.	
7	22.0 PPM					
	0.0 PPM				... reddish-brown, SILTY CLAY.	
8	0.0 PPM					
		S-3	NA	48-inches		
9					... Light olive, FMC SAND, wet.	
10						
11						
					... reddish-brown, SILTY CLAY, damp.	
12						
		S-4	NA	48-inches	... light olive, FMC SAND, damp.	
13						
					... wet.	
14						
15					... reddish-brown, SILTY CLAY, damp.	
16					[FMC SAND and SILTY CLAY]	
					Bottom of hole at 16-feet.	
17						
18						
19						

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: NOVEMBER 2, 2001 — BH-10

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY: ZEBRA Envrionmental, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr. Philip Orsi/Mr. Christopher Donovan
TOTAL DEPTH: 16-feet
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: NA
SCREEN LENGTH: NA
SCREEN TYPE: NA
CASING DIAMETER: NA
CASING LENGTH: NA
CASING TYPE: NA
SAMPLING METHOD: Macro core open sampling

TEST BORING DESIGNATION: BH-10

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0 PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
1		S-1	NA	48-inches	Black, FILL, dry. [FILL]	
2					Dark olive with black streaks, FMC SAND, little Silty Clay, damp.	
3						
4						
5		S-2	NA	48-inches	... dry. ... reddish-brown, SILTY CLAY, damp.	
6						
7						
8						
9		S-3	NA	48-inches	... pinkish silver-gray, little FMC Sand.	
10						
11						
12					... olive-black, FMC SAND, some Silty Clay, wet. ... dark olive-black, SILTY CLAY.	
13		S-4	NA	48-inches	... dark olive, FMC SAND, some Silty Clay.	
14					... damp.	
15						
16					[FMC SAND and SILTY CLAY]	
17					Bottom of hole at 16-feet.	
18						
19						

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: NOVEMBER 2, 2001 — BH-11

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY: ZEBRA Envrionmental, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr.Philip Orsi/Mr. Christopher Donovan
TOTAL DEPTH: 16-feet
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: NA
SCREEN LENGTH: NA
SCREEN TYPE: NA
CASING DIAMETER: NA
CASING LENGTH: NA
CASING TYPE: NA
SAMPLING METHOD: Macro core open sampling

TEST BORING DESIGNATION: BH-11

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0 PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
		S-1	NA	48-inches	Gray, FILL, dry. [FILL]	
1					Black, FMC SAND, damp.	
2					... blackish-olive.	
3					... reddish-brown, SILTY CLAY, little FMC Sand.	
4					... SILTY CLAY.	
5		S-2	NA	48-inches		
6						
7						
8						
9		S-3	NA	48-inches		
10					... olive, FMC SAND and SILTY CLAY.	
11					... reddish-brown, SILTY CLAY.	
12					... olive, FMC SAND, some Silty Clay, little Gravel.	
13		S-4	NA	48-inches	... reddish-brown, SILTY CLAY.	
14						
15						
16					[FMC SAND and SILTY CLAY]	
17					Bottom of hole at 16-feet.	
18						
19						

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: NOVEMBER 2, 2001 — BH-12

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY: ZEBRA Envrionmental, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr.Philip Orsi/Mr. Christopher Donovan
TOTAL DEPTH: 16-feet
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: NA
SCREEN LENGTH: NA
SCREEN TYPE: NA
CASING DIAMETER: NA
CASING LENGTH: NA
CASING TYPE: NA
SAMPLING METHOD: Macro core open sampling

TEST BORING DESIGNATION: BH-12

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
		S-1	NA	48-inches	Olive-black, FMC SAND, damp.	
1						
2						
					... SILTY CLAY, some FMC Sand.	
3					.	
					... reddish-brown.	
4						
		S-2	NA	48-inches		
5						
6					... olive, FMC SAND, wet.	
					... reddish-brown, SILTY CLAY, damp.	
7						
8						
		S-3	NA	48-inches	... and FMC SAND.	
9					... olive, FMC SAND, little Silty Clay.	
10					... reddish-brown, SILTY CLAY.	
11						
12						
		S-4	NA	5-inches	... olive, FMC SAND, wet	
13						
14						
					... reddish-brown, SILTY CLAY, damp.	
15						
16					[FMC SAND and SILTY CLAY]	
					Bottom of hole at 16-feet.	
17						
18						
19						

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: NOVEMBER 2, 2001 — BH-13

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY: ZEBRA Envrionmental, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr.Philip Orsi/Mr. Christopher Donovan
TOTAL DEPTH: 16-feet
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: NA
SCREEN LENGTH: NA
SCREEN TYPE: NA
CASING DIAMETER: NA
CASING LENGTH: NA
CASING TYPE: NA
SAMPLING METHOD: Macro core open sampling

TEST BORING DESIGNATION: BH-13

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
		S-1	NA	48-inches	Gray, FILL, dry. [FILL]	
1					Black, FMC SAND and SILTY CLAY, wet.	
2						
					... and GRAVEL.	
3						
					...olive, SILTY CLAY, little FMC SAND, damp.	
4						
		S-2	NA	48-inches	... black, FMC SAND and GRAVEL, wet.	
5					... reddish-brown with black streaks, SILTY CLAY, damp.	
6						
7						
8						
		S-3	NA	48-inches	... black, GRAVEL and FMC SAND, wet.	
9					... reddish-gray with black streaks, SILTY CLAY, damp.	
10						
11						
12						
		S-4	NA	5-inches	...wet (sample lost).	
13						
14						
					... reddish-brown, SILTY CLAY, damp.	
15						
16					[FMC SAND and SILTY CLAY and GRAVEL]	
					Bottom of hole at 16-feet.	
17						
18						
19						

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: NOVEMBER 2, 2001 — BH-14

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY: ZEBRA Envrionmental, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr.Philip Orsi/Mr. Christopher Donovan
TOTAL DEPTH: 16-feet
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: NA
SCREEN LENGTH: NA
SCREEN TYPE: NA
CASING DIAMETER: NA
CASING LENGTH: NA
CASING TYPE: NA
SAMPLING METHOD: Macro core open sampling

TEST BORING DESIGNATION: BH-14

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
		S-1	NA	48-inches	Gray, FILL, dry. [FILL]	
1					Brownish-black, FMC SAND, damp.	
					... black.	
2						
					... olive, little Gravel.	
3						
					... reddish-brown, SILTY CLAY, some FMC Sand.	
4						
		S-2	NA	24-inches	... wet (sample lost).	
5						
6						
7					... damp.	
8						
		S-3	NA	48-inches	... wet (sample lost).	
9						
10						
11						
12						
		S-4	NA	5-inches	... olive, FMC SAND, wet	
13						
14						
					... reddish-brown, SILTY CLAY, damp.	
15						
16					[FMC SAND and SILTY CLAY]	
					Bottom of hole at 16-feet.	
17						
18						
19						

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: NOVEMBER 1, 2001 — GW-1

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY:	ZEBRA Envrionmental, Inc.	SCREEN DIAMETER:	2-inch
DRILLING METHOD:	Geoprobe	SCREEN LENGTH:	10-feet
DRILLER:	Mr.Philip Orsi/Mr. Christopher Donovan	SCREEN TYPE:	PVC
TOTAL DEPTH:	15-feet	CASING DIAMETER:	NA
TOP OF CASING ELEV:	NA	CASING LENGTH:	NA
GROUNDWATER ELEV:	NA	CASING TYPE:	NA
GROUND SURFACE ELEV:	NA	SAMPLING METHOD:	Macro core open sampling

TEST BORING DESIGNATION: GW-1

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
		S-1	NA	48-inches	Gray, CEMENT, dry. [FILL]	
1					Reddish-brown, SILTY CLAY, damp.	
2						
3						
4					... olive-black, FMC SAND, some Silty Clay, damp.	
		S-2	NA	48-inches		
5					... reddish-brown, SILTY CLAY.	
6						
7						
8						
		S-3	NA	48-inches	... olive-black, and FMC SAND.	
9					... reddish-gray, SILTY CLAY.	
10						
11						
12						
		S-4	NA	36-inches	... some FMC SAND, wet.	
13						
14						
15					[FMC SAND and SILTY CLAY]	
					Bottom of hole at 15-feet.	
16						
17						
18						
19						

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: NOVEMBER 1, 2001 — GW-2

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY: ZEBRA Envrionmental, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr.Philip Orsi/Mr. Christopher Donovan
TOTAL DEPTH: 16-feet
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: 2-inch
SCREEN LENGTH: 10-feet
SCREEN TYPE: PVC
CASING DIAMETER: NA
CASING LENGTH: NA
CASING TYPE: NA
SAMPLING METHOD: Macro core open sampling

TEST BORING DESIGNATION: GW-2

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
		S-1	NA	48-inches	Gray, CEMENT, dry. [FILL]	
1					Olive, FMC SAND, wet.	
2						
					... reddish-brown, SILTY CLAY, damp.	
3						
					... brown.	
4						
		S-2	NA	48-inches		
5					... olive, FMC SAND, wet.	
6					... and SILTY CLAY, damp.	
					... brown, SILTY CLAY, some FMC Sand.	
7						
					... SILTY CLAY.	
8						
		S-3	NA	48-inches	... olive, FMC SAND, wet.	
9					... grayish-brow, SILTY CLAY, damp.	
10						
11						
12						
		S-4	NA	36-inches	... olive, FMC SAND, wet.	
13						
					... reddish-gray, SILTY CLAY, damp.	
14						
15						
16					[FMC SAND and SILTY CLAY]	
					Bottom of hole at 15-feet.	
17						
18						
19						

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: NOVEMBER 2, 2001 — GW-3

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY: ZEBRA Envrionmental, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr.Philip Orsi/Mr. Christopher Donovan
TOTAL DEPTH: 20-feet
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: 2-inch
SCREEN LENGTH: 10-feet
SCREEN TYPE: PVC
CASING DIAMETER: NA
CASING LENGTH: NA
CASING TYPE: NA
SAMPLING METHOD: Macro core open sampling

TEST BORING DESIGNATION: GW-3

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
	3.9 PPM	S-1	NA	48-inches	Black, FMC SAND, some Gravel, damp.	
1	0.00 PPM				... and SILTY CLAY.	
	0.00 PPM				... light olive, FMC SAND, wet.	
2	0.00 PPM					
	0.00 PPM					
3	3.0 PPM					
	50.1 PPM				... brown, SILTY CLAY, little FMC Sand, damp.	
4	96.5 PPM					
	15.9 PPM	S-2	NA	48-inches	... light olive, FMC SAND, wet.	
5	21.2 PPM					
	23.6 PPM					
6	28.8 PPM				... and SILTY CLAY, damp.	
	25.7 PPM				... little FMC Sand.	
7	49.1 PPM					
	88.0 PPM				... reddish-brown, SILTY CLAY.	
8	204.0 PPM					
	13.3 PPM	S-3	NA	48-inches	... light olive with milky white streaks, FMC SAND, wet.	
9	0.0 PPM					
	0.0 PPM					
10	0.0 PPM					
	0.0 PPM					
11	445.0 PPM					
	445.0 PPM				... reddish-brown, SILTY CLAY, damp.	
12	469.0 PPM					
	0.0 PPM	S-4	NA	48-inches	... olive, FMC SAND, wet.	
13	0.0 PPM					
	0.0 PPM					
14	0.0 PPM					
	0.0 PPM				... reddish-brown, SILTY CLAY, damp.	
15	85.9 PPM					
	354.0 PPM					
16	81.0 PPM					
	0.0 PPM	S-5	NA	48-inches		
17						
18						
19						
					[FMC SAND and SILTY CLAY]	

Bottom of hole at 20-feet.

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: NOVEMBER 1, 2001 — GW-4

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY: ZEBRA Envrionmental, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr.Philip Orsi/Mr. Christopher Donovan
TOTAL DEPTH: 16-feet
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: 2-inch
SCREEN LENGTH: 10-feet
SCREEN TYPE: PVC
CASING DIAMETER: NA
CASING LENGTH: NA
CASING TYPE: NA
SAMPLING METHOD: Macro core open sampling

TEST BORING DESIGNATION: GW-4

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
		S-1	NA	48-inches	Black, GRAVEL, damp. [FILL]	
1					Olive, FMC SAND, wet.	
2						
					... reddish-brown, SILTY CLAY, damp.	
3						
4						
		S-2	NA	48-inches	... olive, FMC SAND.	
5					... wet.	
					... reddish-brown, SILTY CLAY, damp.	
6						
7						
8						
		S-3	NA	48-inches	... olive, FMC SAND, wet.	
9						
10						
					... reddish-brown, SILTY CLAY, damp.	
11						
12						
		S-4	NA	48-inches	... olive, and FMC SAND, wet.	
13						
					... reddish-brown, SILTY CLAY, damp.	
14						
15						
16					[FMC SAND and SILTY CLAY]	
					Bottom of hole at 16-feet.	
17						
18						
19						

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: NOVEMBER 1, 2001 — GW-5

CLIENT: Jaeckle, Fleischmann & Mugel, LLP
LOCATION: 1746 Dale Road, Cheektowaga, New York
PROJECT NO.: 147.007
PROJECT MANAGER: Ms. Karen C. Carlson

DRILLING COMPANY: ZEBRA Envrionmental, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr.Philip Orsi/Mr. Christopher Donovan
TOTAL DEPTH: 16-feet
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: 2-inch
SCREEN LENGTH: 10-feet
SCREEN TYPE: PVC
CASING DIAMETER: NA
CASING LENGTH: NA
CASING TYPE: NA
SAMPLING METHOD: Macro core open sampling

TEST BORING DESIGNATION: GW-5

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
		S-1	NA	48-inches	Gray, GRAVEL, dry. [FILL]	
1					Olive-black, FMC SAND, little Silty Clay, damp.	
2						
3						
					... reddish-brown, SILTY CLAY, damp.	
4						
		S-2	NA	48-inches	... olive-black, FMC SAND, some Silty Clay.	
5					... olive, FMC SAND.	
					... reddish-brown, SILTY CLAY, damp.	
6						
7						
8						
		S-3	NA	48-inches	... olive-black, FMC SAND.	
9					... olive.	
					... reddish-brown, SILTY CLAY.	
10						
					... reddish-gray.	
11						
12						
		S-4	NA	48-inches		
13						
14						
15						
16					[FMC SAND and SILTY CLAY]	
					Bottom of hole at 16-feet.	
17						
18						
19						

APPENDIX F: ANALYTICAL LABORATORY REPORTS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Leader Professional Services, Inc	**Lab Project No:**	01-2677
		Lab Sample No:	9749
Client Job Site:	Roco, Ltd		
		Sample Type:	Soil
Client Job No:	147.007		
		Date Sampled:	10/25/01
Field Location:	BH-1 (8'-10')	**Date Received:**	10/29/01
Field ID No:	N/A	**Date Analyzed:**	11/01/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 8.91	Benzene	ND< 8.91
Bromomethane	ND< 8.91	Chlorobenzene	ND< 8.91
Bromoform	ND< 8.91	Ethylbenzene	ND< 8.91
Carbon tetrachloride	ND< 8.91	Toluene	ND< 8.91
Chloroethane	ND< 8.91	m,p - Xylene	ND< 8.91
Chloromethane	ND< 8.91	o - Xylene	ND< 8.91
2-Chloroethyl vinyl ether	ND< 8.91	Styrene	ND< 8.91
Chloroform	ND< 8.91		
Dibromochloromethane	ND< 8.91		
1,1-Dichloroethane	ND< 8.91		
1,2-Dichloroethane	ND< 8.91		
1,1-Dichloroethene	ND< 8.91		
cis-1,2-Dichloroethene	18.8		
trans-1,2-Dichloroethene	ND< 8.91	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 8.91	Acetone	ND< 44.5
cis-1,3-Dichloropropene	ND< 8.91	Vinyl acetate	ND< 22.3
trans-1,3-Dichloropropene	ND< 8.91	2-Butanone	ND< 22.3
Methylene chloride	ND< 22.3	4-Methyl-2-pentanone	ND< 22.3
1,1,2,2-Tetrachloroethane	ND< 8.91	2-Hexanone	ND< 22.3
Tetrachloroethene	ND< 8.91	Carbon disulfide	ND< 22.3
1,1,1-Trichloroethane	ND< 8.91		
1,1,2-Trichloroethane	ND< 8.91		
Trichloroethene	118		
Vinyl Chloride	ND< 8.91		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012677V1.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Leader Professional Services, Inc	**Lab Project No:**	01-2677
		Lab Sample No:	9750
Client Job Site:	Roco, Ltd		
		Sample Type:	Soil
Client Job No:	147.007		
		Date Sampled:	10/25/01
Field Location:	BH-2 (8'-10')	**Date Received:**	10/29/01
Field ID No:	N/A	**Date Analyzed:**	11/01/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 11.0	Benzene	ND< 11.0
Bromomethane	ND< 11.0	Chlorobenzene	ND< 11.0
Bromoform	ND< 11.0	Ethylbenzene	ND< 11.0
Carbon tetrachloride	ND< 11.0	Toluene	ND< 11.0
Chloroethane	ND< 11.0	m,p - Xylene	ND< 11.0
Chloromethane	ND< 11.0	o - Xylene	ND< 11.0
2-Chloroethyl vinyl ether	ND< 11.0	Styrene	ND< 11.0
Chloroform	ND< 11.0		
Dibromochloromethane	ND< 11.0		
1,1-Dichloroethane	ND< 11.0		
1,2-Dichloroethane	ND< 11.0		
1,1-Dichloroethene	ND< 11.0		
cis-1,2-Dichloroethene	ND< 11.0		
trans-1,2-Dichloroethene	ND< 11.0	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 11.0	Acetone	ND< 55.2
cis-1,3-Dichloropropene	ND< 11.0	Vinyl acetate	ND< 27.6
trans-1,3-Dichloropropene	ND< 11.0	2-Butanone	ND< 27.6
Methylene chloride	ND< 27.6	4-Methyl-2-pentanone	ND< 27.6
1,1,2,2-Tetrachloroethane	ND< 11.0	2-Hexanone	ND< 27.6
Tetrachloroethene	ND< 11.0	Carbon disulfide	ND< 27.6
1,1,1-Trichloroethane	ND< 11.0		
1,1,2-Trichloroethane	ND< 11.0		
Trichloroethene	ND< 11.0		
Vinyl Chloride	ND< 11.0		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012677V2.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Leader Professional Services, Inc	**Lab Project No:**	01-2677
		Lab Sample No:	9751
Client Job Site:	Roco, Ltd		
		Sample Type:	Soil
Client Job No:	147.007		
		Date Sampled:	10/25/01
Field Location:	BH-3 (8'-10')	**Date Received:**	10/29/01
Field ID No:	N/A	**Date Analyzed:**	11/01/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 10.2	Benzene	ND< 10.2
Bromomethane	ND< 10.2	Chlorobenzene	ND< 10.2
Bromoform	ND< 10.2	Ethylbenzene	ND< 10.2
Carbon tetrachloride	ND< 10.2	Toluene	ND< 10.2
Chloroethane	ND< 10.2	m,p - Xylene	20.4
Chloromethane	ND< 10.2	o - Xylene	ND< 10.2
2-Chloroethyl vinyl ether	ND< 10.2	Styrene	ND< 10.2
Chloroform	ND< 10.2		
Dibromochloromethane	ND< 10.2		
1,1-Dichloroethane	ND< 10.2		
1,2-Dichloroethane	ND< 10.2		
1,1-Dichloroethene	ND< 10.2		
cis-1,2-Dichloroethene	73.7		
trans-1,2-Dichloroethene	ND< 10.2	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 10.2	Acetone	ND< 50.9
cis-1,3-Dichloropropene	ND< 10.2	Vinyl acetate	ND< 25.5
trans-1,3-Dichloropropene	ND< 10.2	2-Butanone	ND< 25.5
Methylene chloride	ND< 25.5	4-Methyl-2-pentanone	ND< 25.5
1,1,2,2-Tetrachloroethane	ND< 10.2	2-Hexanone	ND< 25.5
Tetrachloroethene	ND< 10.2	Carbon disulfide	ND< 25.5
1,1,1-Trichloroethane	ND< 10.2		
1,1,2-Trichloroethane	ND< 10.2		
Trichloroethene	18.1		
Vinyl Chloride	ND< 10.2		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012677V3.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Leader Professional Services, Inc	**Lab Project No:**	01-2677
		Lab Sample No:	9752
Client Job Site:	Roco, Ltd		
		Sample Type:	Soil
Client Job No:	147.007		
		Date Sampled:	10/25/01
Field Location:	BH-4 (0'-2')	**Date Received:**	10/29/01
Field ID No:	N/A	**Date Analyzed:**	11/01/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 8.48	Benzene	ND< 8.48
Bromomethane	ND< 8.48	Chlorobenzene	ND< 8.48
Bromoform	ND< 8.48	Ethylbenzene	ND< 8.48
Carbon tetrachloride	ND< 8.48	Toluene	ND< 8.48
Chloroethane	ND< 8.48	m,p - Xylene	ND< 8.48
Chloromethane	ND< 8.48	o - Xylene	ND< 8.48
2-Chloroethyl vinyl ether	ND< 8.48	Styrene	ND< 8.48
Chloroform	ND< 8.48		
Dibromochloromethane	ND< 8.48		
1,1-Dichloroethane	ND< 8.48		
1,2-Dichloroethane	ND< 8.48		
1,1-Dichloroethene	ND< 8.48		
cis-1,2-Dichloroethene	19.2		
trans-1,2-Dichloroethene	12.7	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 8.48	Acetone	ND< 42.4
cis-1,3-Dichloropropene	ND< 8.48	Vinyl acetate	ND< 21.2
trans-1,3-Dichloropropene	ND< 8.48	2-Butanone	ND< 21.2
Methylene chloride	ND< 21.2	4-Methyl-2-pentanone	ND< 21.2
1,1,2,2-Tetrachloroethane	ND< 8.48	2-Hexanone	ND< 21.2
Tetrachloroethene	ND< 8.48	Carbon disulfide	ND< 21.2
1,1,1-Trichloroethane	ND< 8.48		
1,1,2-Trichloroethane	ND< 8.48		
Trichloroethene	ND< 8.48		
Vinyl Chloride	ND< 8.48		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012677V4.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Leader Professional Services, Inc	**Lab Project No:**	01-2677
		Lab Sample No:	9753
Client Job Site:	Roco, Ltd		
		Sample Type:	Soil
Client Job No:	147.007		
		Date Sampled:	10/25/01
Field Location:	BH-4 (8'-10')	**Date Received:**	10/29/01
Field ID No:	N/A	**Date Analyzed:**	11/01/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 9.04	Benzene	ND< 9.04
Bromomethane	ND< 9.04	Chlorobenzene	ND< 9.04
Bromoform	ND< 9.04	Ethylbenzene	ND< 9.04
Carbon tetrachloride	ND< 9.04	Toluene	ND< 9.04
Chloroethane	ND< 9.04	m,p - Xylene	ND< 9.04
Chloromethane	ND< 9.04	o - Xylene	ND< 9.04
2-Chloroethyl vinyl ether	ND< 9.04	Styrene	ND< 9.04
Chloroform	ND< 9.04		
Dibromochloromethane	ND< 9.04		
1,1-Dichloroethane	ND< 9.04		
1,2-Dichloroethane	ND< 9.04		
1,1-Dichloroethene	ND< 9.04		
cis-1,2-Dichloroethene	17.6		
trans-1,2-Dichloroethene	ND< 9.04	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 9.04	Acetone	ND< 45.2
cis-1,3-Dichloropropene	ND< 9.04	Vinyl acetate	ND< 22.6
trans-1,3-Dichloropropene	ND< 9.04	2-Butanone	ND< 22.6
Methylene chloride	ND< 22.6	4-Methyl-2-pentanone	ND< 22.6
1,1,2,2-Tetrachloroethane	ND< 9.04	2-Hexanone	ND< 22.6
Tetrachloroethene	ND< 9.04	Carbon disulfide	ND< 22.6
1,1,1-Trichloroethane	ND< 9.04		
1,1,2-Trichloroethane	ND< 9.04		
Trichloroethene	25.1		
Vinyl Chloride	ND< 9.04		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012677V5.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Leader Professional Services, Inc	**Lab Project No:**	01-2677
		Lab Sample No:	9754
Client Job Site:	Roco, Ltd		
		Sample Type:	Soil
Client Job No:	147.007		
		Date Sampled:	10/25/01
Field Location:	BH-5 (8'-10')	**Date Received:**	10/29/01
Field ID No:	N/A	**Date Analyzed:**	11/01/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 10.5	Benzene	ND< 10.5
Bromomethane	ND< 10.5	Chlorobenzene	ND< 10.5
Bromoform	ND< 10.5	Ethylbenzene	ND< 10.5
Carbon tetrachloride	ND< 10.5	Toluene	ND< 10.5
Chloroethane	ND< 10.5	m,p - Xylene	ND< 10.5
Chloromethane	ND< 10.5	o - Xylene	ND< 10.5
2-Chloroethyl vinyl ether	ND< 10.5	Styrene	ND< 10.5
Chloroform	ND< 10.5		
Dibromochloromethane	ND< 10.5		
1,1-Dichloroethane	ND< 10.5		
1,2-Dichloroethane	ND< 10.5		
1,1-Dichloroethene	ND< 10.5		
cis-1,2-Dichloroethene	29.1		
trans-1,2-Dichloroethene	ND< 10.5	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 10.5	Acetone	ND< 52.5
cis-1,3-Dichloropropene	ND< 10.5	Vinyl acetate	ND< 26.3
trans-1,3-Dichloropropene	ND< 10.5	2-Butanone	ND< 26.3
Methylene chloride	ND< 26.3	4-Methyl-2-pentanone	ND< 26.3
1,1,2,2-Tetrachloroethane	ND< 10.5	2-Hexanone	ND< 26.3
Tetrachloroethene	ND< 10.5	Carbon disulfide	ND< 26.3
1,1,1-Trichloroethane	ND< 10.5		
1,1,2-Trichloroethane	ND< 10.5		
Trichloroethene	189		
Vinyl Chloride	ND< 10.5		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012677V6.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Leader Professional Services, Inc	**Lab Project No:**	01-2677
		Lab Sample No:	9755
Client Job Site:	Roco, Ltd		
		Sample Type:	Soil
Client Job No:	147.007		
		Date Sampled:	10/25/01
Field Location:	BH-6 (8'-10')	**Date Received:**	10/29/01
Field ID No:	N/A	**Date Analyzed:**	11/02/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 254	Benzene	ND< 254
Bromomethane	ND< 254	Chlorobenzene	ND< 254
Bromoform	ND< 254	Ethylbenzene	ND< 254
Carbon tetrachloride	ND< 254	Toluene	10,200
Chloroethane	ND< 254	m,p - Xylene	ND< 254
Chloromethane	ND< 254	o - Xylene	ND< 254
2-Chloroethyl vinyl ether	ND< 254	Styrene	ND< 254
Chloroform	ND< 254		
Dibromochloromethane	ND< 254		
1,1-Dichloroethane	ND< 254		
1,2-Dichloroethane	ND< 254		
1,1-Dichloroethene	ND< 254		
cis-1,2-Dichloroethene	545		
trans-1,2-Dichloroethene	ND< 254	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 254	Acetone	ND< 1,270
cis-1,3-Dichloropropene	ND< 254	Vinyl acetate	ND< 636
trans-1,3-Dichloropropene	ND< 254	2-Butanone	ND< 636
Methylene chloride	ND< 636	4-Methyl-2-pentanone	ND< 636
1,1,2,2-Tetrachloroethane	ND< 254	2-Hexanone	ND< 636
Tetrachloroethene	ND< 254	Carbon disulfide	ND< 636
1,1,1-Trichloroethane	ND< 254		
1,1,2-Trichloroethane	ND< 254		
Trichloroethene	ND< 254		
Vinyl Chloride	ND< 254		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012677V7.XLS

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Leader Professional Services, Inc	**Lab Project No:**	01-2677
		Lab Sample No:	9756
Client Job Site:	Roco, Ltd		
		Sample Type:	Soil
Client Job No:	147.007		
		Date Sampled:	10/25/01
Field Location:	BH-7 (6'-8')	**Date Received:**	10/29/01
Field ID No:	N/A	**Date Analyzed:**	11/02/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 275	Benzene	ND< 275
Bromomethane	ND< 275	Chlorobenzene	ND< 275
Bromoform	ND< 275	Ethylbenzene	ND< 275
Carbon tetrachloride	ND< 275	Toluene	ND< 275
Chloroethane	ND< 275	m,p - Xylene	ND< 275
Chloromethane	ND< 275	o - Xylene	ND< 275
2-Chloroethyl vinyl ether	ND< 275	Styrene	ND< 275
Chloroform	ND< 275		
Dibromochloromethane	ND< 275		
1,1-Dichloroethane	ND< 275		
1,2-Dichloroethane	ND< 275		
1,1-Dichloroethene	ND< 275		
cis-1,2-Dichloroethene	592		
trans-1,2-Dichloroethene	ND< 275	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 275	Acetone	ND< 1,380
cis-1,3-Dichloropropene	ND< 275	Vinyl acetate	ND< 688
trans-1,3-Dichloropropene	ND< 275	2-Butanone	ND< 688
Methylene chloride	ND< 688	4-Methyl-2-pentanone	ND< 688
1,1,2,2-Tetrachloroethane	ND< 275	2-Hexanone	ND< 688
Tetrachloroethene	3,990	Carbon disulfide	ND< 688
1,1,1-Trichloroethane	ND< 275		
1,1,2-Trichloroethane	ND< 275		
Trichloroethene	10,900		
Vinyl Chloride	ND< 275		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012677V8.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Leader Professional Services, Inc	**Lab Project No:**	01-2677
		Lab Sample No:	9757
Client Job Site:	Roco, Ltd		
		Sample Type:	Soil
Client Job No:	147.007		
		Date Sampled:	10/25/01
Field Location:	BH-7 (8'-10')	**Date Received:**	10/29/01
Field ID No:	N/A	**Date Analyzed:**	11/02/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 53.9	Benzene	ND< 53.9
Bromomethane	ND< 53.9	Chlorobenzene	ND< 53.9
Bromoform	ND< 53.9	Ethylbenzene	ND< 53.9
Carbon tetrachloride	ND< 53.9	Toluene	ND< 53.9
Chloroethane	ND< 53.9	m,p - Xylene	ND< 53.9
Chloromethane	ND< 53.9	o - Xylene	ND< 53.9
2-Chloroethyl vinyl ether	ND< 53.9	Styrene	ND< 53.9
Chloroform	ND< 53.9		
Dibromochloromethane	ND< 53.9		
1,1-Dichloroethane	ND< 53.9		
1,2-Dichloroethane	ND< 53.9		
1,1-Dichloroethene	ND< 53.9		
cis-1,2-Dichloroethene	325		
trans-1,2-Dichloroethene	ND< 53.9	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 53.9	Acetone	ND< 269
cis-1,3-Dichloropropene	ND< 53.9	Vinyl acetate	ND< 135
trans-1,3-Dichloropropene	ND< 53.9	2-Butanone	ND< 135
Methylene chloride	ND< 135	4-Methyl-2-pentanone	ND< 135
1,1,2,2-Tetrachloroethane	ND< 53.9	2-Hexanone	ND< 135
Tetrachloroethene	ND< 53.9	Carbon disulfide	ND< 135
1,1,1-Trichloroethane	ND< 53.9		
1,1,2-Trichloroethane	ND< 53.9		
Trichloroethene	2,130		
Vinyl Chloride	ND< 53.9		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012677V9.XLS

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Leader Professional Services
Client Job Site: RoCo, Ltd.
Client Job No: 147.007
Field Location: BH-8 (8'-10')
Field ID No: N/A

Lab Project No: 01-2757
Lab Sample No: 10004
Sample Type: Soil
Date Sampled: 11/02/01
Date Received: 11/06/01
Date Analyzed: 11/12/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 9.86	Benzene	ND< 9.86
Bromomethane	ND< 9.86	Chlorobenzene	ND< 9.86
Bromoform	ND< 9.86	Ethylbenzene	ND< 9.86
Carbon tetrachloride	ND< 9.86	Toluene	ND< 9.86
Chloroethane	ND< 9.86	m,p - Xylene	11.1
Chloromethane	ND< 9.86	o - Xylene	ND< 9.86
2-Chloroethyl vinyl ether	ND< 9.86	Styrene	ND< 9.86
Chloroform	ND< 9.86		
Dibromochloromethane	ND< 9.86		
1,1-Dichloroethane	ND< 9.86		
1,2-Dichloroethane	ND< 9.86		
1,1-Dichloroethene	ND< 9.86		
cis-1,2-Dichloroethene	ND< 9.86		
trans-1,2-Dichloroethene	ND< 9.86	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 9.86	Acetone	ND< 49.3
cis-1,3-Dichloropropene	ND< 9.86	Vinyl acetate	ND< 24.7
trans-1,3-Dichloropropene	ND< 9.86	2-Butanone	ND< 24.7
Methylene chloride	ND< 24.7	4-Methyl-2-pentanone	ND< 24.7
1,1,2,2-Tetrachloroethane	ND< 9.86	2-Hexanone	ND< 24.7
Tetrachloroethene	ND< 9.86	Carbon disulfide	ND< 24.7
1,1,1-Trichloroethane	ND< 9.86		
1,1,2-Trichloroethane	ND< 9.86		
Trichloroethene	65.8		
Vinyl Chloride	ND< 9.86		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
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SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Leader Professional Services	**Lab Project No:**	01-2757
		Lab Sample No:	10005
Client Job Site:	RoCo, Ltd.		
		Sample Type:	Soil
Client Job No:	147.007		
		Date Sampled:	11/02/01
Field Location:	BH-9 (6'-8')	**Date Received:**	11/06/01
Field ID No:	N/A	**Date Analyzed:**	11/13/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 21.4	Benzene	ND< 21.4
Bromomethane	ND< 21.4	Chlorobenzene	ND< 21.4
Bromoform	ND< 21.4	Ethylbenzene	ND< 21.4
Carbon tetrachloride	ND< 21.4	Toluene	ND< 21.4
Chloroethane	ND< 21.4	m,p - Xylene	ND< 21.4
Chloromethane	ND< 21.4	o - Xylene	ND< 21.4
2-Chloroethyl vinyl ether	ND< 21.4	Styrene	ND< 21.4
Chloroform	ND< 21.4		
Dibromochloromethane	ND< 21.4		
1,1-Dichloroethane	ND< 21.4		
1,2-Dichloroethane	ND< 21.4		
1,1-Dichloroethene	ND< 21.4		
cis-1,2-Dichloroethene	127		
trans-1,2-Dichloroethene	ND< 21.4	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 21.4	Acetone	ND< 107
cis-1,3-Dichloropropene	ND< 21.4	Vinyl acetate	ND< 53.6
trans-1,3-Dichloropropene	ND< 21.4	2-Butanone	ND< 53.6
Methylene chloride	ND< 53.6	4-Methyl-2-pentanone	ND< 53.6
1,1,2,2-Tetrachloroethane	ND< 21.4	2-Hexanone	ND< 53.6
Tetrachloroethene	ND< 21.4	Carbon disulfide	ND< 53.6
1,1,1-Trichloroethane	ND< 21.4		
1,1,2-Trichloroethane	ND< 21.4		
Trichloroethene	1,150		
Vinyl Chloride	ND< 21.4		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012757V2.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Leader Professional Services
Client Job Site: RoCo, Ltd.
Client Job No: 147.007
Field Location: BH-10 (8'-10')
Field ID No: N/A

Lab Project No: 01-2757
Lab Sample No: 10006
Sample Type: Soil
Date Sampled: 11/02/01
Date Received: 11/06/01
Date Analyzed: 11/12/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 10.1	Benzene	ND< 10.1
Bromomethane	ND< 10.1	Chlorobenzene	ND< 10.1
Bromoform	ND< 10.1	Ethylbenzene	ND< 10.1
Carbon tetrachloride	ND< 10.1	Toluene	ND< 10.1
Chloroethane	ND< 10.1	m,p - Xylene	ND< 10.1
Chloromethane	ND< 10.1	o - Xylene	ND< 10.1
2-Chloroethyl vinyl ether	ND< 10.1	Styrene	ND< 10.1
Chloroform	ND< 10.1		
Dibromochloromethane	ND< 10.1		
1,1-Dichloroethane	ND< 10.1		
1,2-Dichloroethane	ND< 10.1		
1,1-Dichloroethene	ND< 10.1		
cis-1,2-Dichloroethene	16.6		
trans-1,2-Dichloroethene	ND< 10.1	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 10.1	Acetone	ND< 50.3
cis-1,3-Dichloropropene	ND< 10.1	Vinyl acetate	ND< 25.1
trans-1,3-Dichloropropene	ND< 10.1	2-Butanone	ND< 25.1
Methylene chloride	ND< 25.1	4-Methyl-2-pentanone	ND< 25.1
1,1,2,2-Tetrachloroethane	ND< 10.1	2-Hexanone	ND< 25.1
Tetrachloroethene	ND< 10.1	Carbon disulfide	ND< 25.1
1,1,1-Trichloroethane	ND< 10.1		
1,1,2-Trichloroethane	ND< 10.1		
Trichloroethene	89.9		
Vinyl Chloride	ND< 10.1		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Leader Professional Services
Client Job Site: RoCo, Ltd.
Client Job No: 147.007
Field Location: BH-11 (8'-10')
Field ID No: N/A

Lab Project No: 01-2757
Lab Sample No: 10007
Sample Type: Soil
Date Sampled: 11/02/01
Date Received: 11/06/01
Date Analyzed: 11/12/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 9.24	Benzene	ND< 9.24
Bromomethane	ND< 9.24	Chlorobenzene	ND< 9.24
Bromoform	ND< 9.24	Ethylbenzene	ND< 9.24
Carbon tetrachloride	12.4	Toluene	23.8
Chloroethane	ND< 9.24	m,p - Xylene	23.6
Chloromethane	ND< 9.24	o - Xylene	ND< 9.24
2-Chloroethyl vinyl ether	ND< 9.24	Styrene	ND< 9.24
Chloroform	ND< 9.24		
Dibromochloromethane	ND< 9.24		
1,1-Dichloroethane	ND< 9.24		
1,2-Dichloroethane	ND< 9.24		
1,1-Dichloroethene	ND< 9.24		
cis-1,2-Dichloroethene	12.8		
trans-1,2-Dichloroethene	ND< 9.24	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 9.24	Acetone	ND< 46.2
cis-1,3-Dichloropropene	ND< 9.24	Vinyl acetate	ND< 23.1
trans-1,3-Dichloropropene	ND< 9.24	2-Butanone	ND< 23.1
Methylene chloride	ND< 23.1	4-Methyl-2-pentanone	ND< 23.1
1,1,2,2-Tetrachloroethane	ND< 9.24	2-Hexanone	ND< 23.1
Tetrachloroethene	ND< 9.24	Carbon disulfide	ND< 23.1
1,1,1-Trichloroethane	ND< 9.24		
1,1,2-Trichloroethane	ND< 9.24		
Trichloroethene	116		
Vinyl Chloride	ND< 9.24		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012757V4.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Leader Professional Services
Client Job Site: RoCo, Ltd.
Client Job No: 147.007
Field Location: BH-12 (8'-10')
Field ID No: N/A

Lab Project No: 01-2757
Lab Sample No: 10008
Sample Type: Soil
Date Sampled: 11/02/01
Date Received: 11/06/01
Date Analyzed: 11/12/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 8.51
Bromomethane	ND< 8.51
Bromoform	ND< 8.51
Carbon tetrachloride	ND< 8.51
Chloroethane	ND< 8.51
Chloromethane	ND< 8.51
2-Chloroethyl vinyl ether	ND< 8.51
Chloroform	ND< 8.51
Dibromochloromethane	ND< 8.51
1,1-Dichloroethane	ND< 8.51
1,2-Dichloroethane	ND< 8.51
1,1-Dichloroethene	ND< 8.51
cis-1,2-Dichloroethene	ND< 8.51
trans-1,2-Dichloroethene	ND< 8.51
1,2-Dichloropropane	ND< 8.51
cis-1,3-Dichloropropene	ND< 8.51
trans-1,3-Dichloropropene	ND< 8.51
Methylene chloride	ND< 21.3
1,1,2,2-Tetrachloroethane	ND< 8.51
Tetrachloroethene	ND< 8.51
1,1,1-Trichloroethane	ND< 8.51
1,1,2-Trichloroethane	ND< 8.51
Trichloroethene	67.5
Vinyl Chloride	ND< 8.51

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 8.51
Chlorobenzene	ND< 8.51
Ethylbenzene	ND< 8.51
Toluene	ND< 8.51
m,p - Xylene	ND< 8.51
o - Xylene	ND< 8.51
Styrene	ND< 8.51
Ketones & Misc.	
Acetone	ND< 42.6
Vinyl acetate	ND< 21.3
2-Butanone	ND< 21.3
4-Methyl-2-pentanone	ND< 21.3
2-Hexanone	ND< 21.3
Carbon disulfide	ND< 21.3

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012757V5.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Leader Professional Services
Client Job Site: RoCo, Ltd.
Client Job No: 147.007
Field Location: BH-13 (8'-10')
Field ID No: N/A

Lab Project No: 01-2757
Lab Sample No: 10009
Sample Type: Soil
Date Sampled: 11/02/01
Date Received: 11/06/01
Date Analyzed: 11/13/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 22.6
Bromomethane	ND< 22.6
Bromoform	ND< 22.6
Carbon tetrachloride	ND< 22.6
Chloroethane	ND< 22.6
Chloromethane	ND< 22.6
2-Chloroethyl vinyl ether	ND< 22.6
Chloroform	ND< 22.6
Dibromochloromethane	ND< 22.6
1,1-Dichloroethane	ND< 22.6
1,2-Dichloroethane	ND< 22.6
1,1-Dichloroethene	ND< 22.6
cis-1,2-Dichloroethene	423
trans-1,2-Dichloroethene	ND< 22.6
1,2-Dichloropropane	ND< 22.6
cis-1,3-Dichloropropene	ND< 22.6
trans-1,3-Dichloropropene	ND< 22.6
Methylene chloride	ND< 56.5
1,1,2,2-Tetrachloroethane	ND< 22.6
Tetrachloroethene	ND< 22.6
1,1,1-Trichloroethane	ND< 22.6
1,1,2-Trichloroethane	ND< 22.6
Trichloroethene	1,440
Vinyl Chloride	ND< 22.6

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 22.6
Chlorobenzene	ND< 22.6
Ethylbenzene	ND< 22.6
Toluene	ND< 22.6
m,p - Xylene	ND< 22.6
o - Xylene	ND< 22.6
Styrene	ND< 22.6
Ketones & Misc.	
Acetone	ND< 113
Vinyl acetate	ND< 56.5
2-Butanone	ND< 56.5
4-Methyl-2-pentanone	ND< 56.5
2-Hexanone	ND< 56.5
Carbon disulfide	ND< 56.5

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012757V6.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Leader Professional Services	**Lab Project No:**	01-2757
		Lab Sample No:	10011
Client Job Site:	RoCo, Ltd.		
		Sample Type:	Soil
Client Job No:	147.007		
		Date Sampled:	11/02/01
Field Location:	BH-14 (8'-10')	**Date Received:**	11/06/01
Field ID No:	N/A	**Date Analyzed:**	11/12/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 11.0	Benzene	ND< 11.0
Bromomethane	ND< 11.0	Chlorobenzene	ND< 11.0
Bromoform	ND< 11.0	Ethylbenzene	ND< 11.0
Carbon tetrachloride	ND< 11.0	Toluene	ND< 11.0
Chloroethane	ND< 11.0	m,p - Xylene	ND< 11.0
Chloromethane	ND< 11.0	o - Xylene	ND< 11.0
2-Chloroethyl vinyl ether	ND< 11.0	Styrene	ND< 11.0
Chloroform	ND< 11.0		
Dibromochloromethane	ND< 11.0		
1,1-Dichloroethane	ND< 11.0		
1,2-Dichloroethane	ND< 11.0		
1,1-Dichloroethene	ND< 11.0		
cis-1,2-Dichloroethene	107		
trans-1,2-Dichloroethene	ND< 11.0	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 11.0	Acetone	ND< 55.0
cis-1,3-Dichloropropene	ND< 11.0	Vinyl acetate	ND< 27.5
trans-1,3-Dichloropropene	ND< 11.0	2-Butanone	ND< 27.5
Methylene chloride	ND< 27.5	4-Methyl-2-pentanone	ND< 27.5
1,1,2,2-Tetrachloroethane	ND< 11.0	2-Hexanone	ND< 27.5
Tetrachloroethene	ND< 11.0	Carbon disulfide	ND< 27.5
1,1,1-Trichloroethane	ND< 11.0		
1,1,2-Trichloroethane	ND< 11.0		
Trichloroethene	628		
Vinyl Chloride	ND< 11.0		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012757V7.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Leader Professional Services	**Lab Project No:**	01-2757
		Lab Sample No:	10016
Client Job Site:	RoCo, Ltd.		
		Sample Type:	Soil
Client Job No:	147.007		
		Date Sampled:	11/01/01
Field Location:	GW-2 (8'-10')	**Date Received:**	11/06/01
Field ID No:	N/A	**Date Analyzed:**	11/13/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 8.40	Benzene	ND< 8.40
Bromomethane	ND< 8.40	Chlorobenzene	ND< 8.40
Bromoform	ND< 8.40	Ethylbenzene	ND< 8.40
Carbon tetrachloride	ND< 8.40	Toluene	ND< 8.40
Chloroethane	ND< 8.40	m,p - Xylene	ND< 8.40
Chloromethane	ND< 8.40	o - Xylene	ND< 8.40
2-Chloroethyl vinyl ether	ND< 8.40	Styrene	ND< 8.40
Chloroform	ND< 8.40		
Dibromochloromethane	ND< 8.40		
1,1-Dichloroethane	ND< 8.40		
1,2-Dichloroethane	ND< 8.40		
1,1-Dichloroethene	ND< 8.40		
cis-1,2-Dichloroethene	ND< 8.40		
trans-1,2-Dichloroethene	ND< 8.40	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 8.40	Acetone	ND< 42.0
cis-1,3-Dichloropropene	ND< 8.40	Vinyl acetate	ND< 21.0
trans-1,3-Dichloropropene	ND< 8.40	2-Butanone	ND< 21.0
Methylene chloride	ND< 21.0	4-Methyl-2-pentanone	ND< 21.0
1,1,2,2-Tetrachloroethane	ND< 8.40	2-Hexanone	ND< 21.0
Tetrachloroethene	ND< 8.40	Carbon disulfide	ND< 21.0
1,1,1-Trichloroethane	ND< 8.40		
1,1,2-Trichloroethane	ND< 8.40		
Trichloroethene	ND< 8.40		
Vinyl Chloride	ND< 8.40		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012757W3.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Leader Professional Services
Client Job Site: RoCo, Ltd.
Client Job No: 147.007
Field Location: GW-1 (8'-10')
Field ID No: N/A

Lab Project No: 01-2757
Lab Sample No: 10012
Sample Type: Soil
Date Sampled: 11/01/01
Date Received: 11/06/01
Date Analyzed: 11/12/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 7.88	Benzene	ND< 7.88
Bromomethane	ND< 7.88	Chlorobenzene	ND< 7.88
Bromoform	ND< 7.88	Ethylbenzene	14.4
Carbon tetrachloride	ND< 7.88	Toluene	46.4
Chloroethane	ND< 7.88	m,p - Xylene	42.0
Chloromethane	ND< 7.88	o - Xylene	15.3
2-Chloroethyl vinyl ether	ND< 7.88	Styrene	ND< 7.88
Chloroform	ND< 7.88		
Dibromochloromethane	ND< 7.88		
1,1-Dichloroethane	ND< 7.88		
1,2-Dichloroethane	ND< 7.88		
1,1-Dichloroethene	ND< 7.88		
cis-1,2-Dichloroethene	76.4		
trans-1,2-Dichloroethene	ND< 7.88	Ketones & Misc.	
1,2-Dichloropropane	ND< 7.88	Acetone	ND< 39.4
cis-1,3-Dichloropropene	ND< 7.88	Vinyl acetate	ND< 19.7
trans-1,3-Dichloropropene	ND< 7.88	2-Butanone	ND< 19.7
Methylene chloride	ND< 19.7	4-Methyl-2-pentanone	ND< 19.7
1,1,2,2-Tetrachloroethane	ND< 7.88	2-Hexanone	ND< 19.7
Tetrachloroethene	ND< 7.88	Carbon disulfide	ND< 19.7
1,1,1-Trichloroethane	ND< 7.88		
1,1,2-Trichloroethane	ND< 7.88		
Trichloroethene	82.0		
Vinyl Chloride	ND< 7.88		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012757v8.xls

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Leader Professional Services
Client Job Site: RoCo, Ltd.
Client Job No: 147.007
Field Location: GW-3 (2'-4')
Field ID No: N/A

Lab Project No: 01-2757
Lab Sample No: 10013
Sample Type: Soil
Date Sampled: 11/02/01
Date Received: 11/06/01
Date Analyzed: 11/13/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 112
Bromomethane	ND< 112
Bromoform	ND< 112
Carbon tetrachloride	ND< 112
Chloroethane	ND< 112
Chloromethane	ND< 112
2-Chloroethyl vinyl ether	ND< 112
Chloroform	ND< 112
Dibromochloromethane	ND< 112
1,1-Dichloroethane	ND< 112
1,2-Dichloroethane	ND< 112
1,1-Dichloroethene	ND< 112
cis-1,2-Dichloroethene	ND< 112
trans-1,2-Dichloroethene	ND< 112
1,2-Dichloropropane	ND< 112
cis-1,3-Dichloropropene	ND< 112
trans-1,3-Dichloropropene	ND< 112
Methylene chloride	ND< 279
1,1,2,2-Tetrachloroethane	ND< 112
Tetrachloroethene	ND< 112
1,1,1-Trichloroethane	ND< 112
1,1,2-Trichloroethane	ND< 112
Trichloroethene	2,310
Vinyl Chloride	ND< 112

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 112
Chlorobenzene	ND< 112
Ethylbenzene	ND< 112
Toluene	ND< 112
m,p - Xylene	ND< 112
o - Xylene	ND< 112
Styrene	ND< 112
Ketones & Misc.	
Acetone	ND< 558
Vinyl acetate	ND< 279
2-Butanone	ND< 279
4-Methyl-2-pentanone	ND< 279
2-Hexanone	ND< 279
Carbon disulfide	ND< 279

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012757V9.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Leader Professional Services	**Lab Project No:**	01-2757
		Lab Sample No:	10014
Client Job Site:	RoCo, Ltd.		
		Sample Type:	Soil
Client Job No:	147.007		
		Date Sampled:	11/02/01
Field Location:	GW-3 (6'-8')	**Date Received:**	11/06/01
Field ID No:	N/A	**Date Analyzed:**	11/13/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 187	Benzene	ND< 187
Bromomethane	ND< 187	Chlorobenzene	ND< 187
Bromoform	ND< 187	Ethylbenzene	ND< 187
Carbon tetrachloride	ND< 187	Toluene	ND< 187
Chloroethane	ND< 187	m,p - Xylene	ND< 187
Chloromethane	ND< 187	o - Xylene	ND< 187
2-Chloroethyl vinyl ether	ND< 187	Styrene	ND< 187
Chloroform	ND< 187		
Dibromochloromethane	ND< 187		
1,1-Dichloroethane	ND< 187		
1,2-Dichloroethane	ND< 187		
1,1-Dichloroethene	ND< 187		
cis-1,2-Dichloroethene	ND< 187		
trans-1,2-Dichloroethene	ND< 187	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 187	Acetone	ND< 934
cis-1,3-Dichloropropene	ND< 187	Vinyl acetate	ND< 467
trans-1,3-Dichloropropene	ND< 187	2-Butanone	ND< 467
Methylene chloride	ND< 467	4-Methyl-2-pentanone	ND< 467
1,1,2,2-Tetrachloroethane	ND< 187	2-Hexanone	ND< 467
Tetrachloroethene	ND< 187	Carbon disulfide	ND< 467
1,1,1-Trichloroethane	ND< 187		
1,1,2-Trichloroethane	ND< 187		
Trichloroethene	16,800		
Vinyl Chloride	ND< 187		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012757W1.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Leader Professional Services	**Lab Project No:**	01-2757
		Lab Sample No:	10015
Client Job Site:	RoCo, Ltd.		
		Sample Type:	Soil
Client Job No:	147.007		
		Date Sampled:	11/02/01
Field Location:	GW-3 (10-12')	**Date Received:**	11/06/01
Field ID No:	N/A	**Date Analyzed:**	11/13/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 147	Benzene	ND< 147
Bromomethane	ND< 147	Chlorobenzene	ND< 147
Bromoform	ND< 147	Ethylbenzene	ND< 147
Carbon tetrachloride	ND< 147	Toluene	ND< 147
Chloroethane	ND< 147	m,p - Xylene	ND< 147
Chloromethane	ND< 147	o - Xylene	ND< 147
2-Chloroethyl vinyl ether	ND< 147	Styrene	ND< 147
Chloroform	ND< 147		
Dibromochloromethane	ND< 147		
1,1-Dichloroethane	ND< 147		
1,2-Dichloroethane	ND< 147		
1,1-Dichloroethene	ND< 147		
cis-1,2-Dichloroethene	ND< 147		
trans-1,2-Dichloroethene	ND< 147	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 147	Acetone	ND< 735
cis-1,3-Dichloropropene	ND< 147	Vinyl acetate	ND< 367
trans-1,3-Dichloropropene	ND< 147	2-Butanone	ND< 367
Methylene chloride	ND< 367	4-Methyl-2-pentanone	ND< 367
1,1,2,2-Tetrachloroethane	ND< 147	2-Hexanone	ND< 367
Tetrachloroethene	ND< 147	Carbon disulfide	ND< 367
1,1,1-Trichloroethane	ND< 147		
1,1,2-Trichloroethane	ND< 147		
Trichloroethene	2,270		
Vinyl Chloride	ND< 147		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012757W2.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Leader Professional Services	**Lab Project No:**	01-2757
		Lab Sample No:	10017
Client Job Site:	RoCo, Ltd.		
		Sample Type:	Soil
Client Job No:	147.007		
		Date Sampled:	11/02/01
Field Location:	GW-3 (16'-18')	**Date Received:**	11/06/01
Field ID No:	N/A	**Date Analyzed:**	11/13/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 8.02	Benzene	ND< 8.02
Bromomethane	ND< 8.02	Chlorobenzene	ND< 8.02
Bromoform	ND< 8.02	Ethylbenzene	ND< 8.02
Carbon tetrachloride	ND< 8.02	Toluene	ND< 8.02
Chloroethane	ND< 8.02	m,p - Xylene	ND< 8.02
Chloromethane	ND< 8.02	o - Xylene	ND< 8.02
2-Chloroethyl vinyl ether	ND< 8.02	Styrene	ND< 8.02
Chloroform	ND< 8.02		
Dibromochloromethane	ND< 8.02		
1,1-Dichloroethane	ND< 8.02		
1,2-Dichloroethane	ND< 8.02		
1,1-Dichloroethene	ND< 8.02		
cis-1,2-Dichloroethene	53.6		
trans-1,2-Dichloroethene	ND< 8.02	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 8.02	Acetone	ND< 40.1
cis-1,3-Dichloropropene	ND< 8.02	Vinyl acetate	ND< 20.0
trans-1,3-Dichloropropene	ND< 8.02	2-Butanone	ND< 20.0
Methylene chloride	ND< 20.0	4-Methyl-2-pentanone	ND< 20.0
1,1,2,2-Tetrachloroethane	ND< 8.02	2-Hexanone	ND< 20.0
Tetrachloroethene	ND< 8.02	Carbon disulfide	ND< 20.0
1,1,1-Trichloroethane	ND< 8.02		
1,1,2-Trichloroethane	ND< 8.02		
Trichloroethene	90.0		
Vinyl Chloride	ND< 8.02		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012757W4.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	**Leader Professional Services**	**Lab Project No:**	01-2757
		Lab Sample No:	10018
Client Job Site:	RoCo, Ltd.		
		Sample Type:	Soil
Client Job No:	147.007		
		Date Sampled:	11/01/01
Field Location:	GW-4 (6'-8')	**Date Received:**	11/06/01
Field ID No:	N/A	**Date Analyzed:**	11/13/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 84.6	Benzene	ND< 84.6
Bromomethane	ND< 84.6	Chlorobenzene	ND< 84.6
Bromoform	ND< 84.6	Ethylbenzene	ND< 84.6
Carbon tetrachloride	ND< 84.6	Toluene	ND< 84.6
Chloroethane	ND< 84.6	m,p - Xylene	ND< 84.6
Chloromethane	ND< 84.6	o - Xylene	ND< 84.6
2-Chloroethyl vinyl ether	ND< 84.6	Styrene	ND< 84.6
Chloroform	ND< 84.6		
Dibromochloromethane	ND< 84.6		
1,1-Dichloroethane	ND< 84.6		
1,2-Dichloroethane	ND< 84.6		
1,1-Dichloroethene	ND< 84.6		
cis-1,2-Dichloroethene	ND< 84.6		
trans-1,2-Dichloroethene	ND< 84.6	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 84.6	Acetone	ND< 423
cis-1,3-Dichloropropene	ND< 84.6	Vinyl acetate	ND< 212
trans-1,3-Dichloropropene	ND< 84.6	2-Butanone	ND< 212
Methylene chloride	ND< 212	4-Methyl-2-pentanone	ND< 212
1,1,2,2-Tetrachloroethane	ND< 84.6	2-Hexanone	ND< 212
Tetrachloroethene	ND< 84.6	Carbon disulfide	ND< 212
1,1,1-Trichloroethane	ND< 84.6		
1,1,2-Trichloroethane	ND< 84.6		
Trichloroethene	681		
Vinyl Chloride	ND< 84.6		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012757W5.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Leader Professional Services

Client Job Site: RoCo, Ltd.

Client Job No: 147.007

Field Location: GW-5 (8'-10')

Field ID No: N/A

Lab Project No: 01-2757

Lab Sample No: 10019

Sample Type: Soil

Date Sampled: 11/01/01

Date Received: 11/06/01

Date Analyzed: 11/13/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichlorornethane	ND< 9.13	Benzene	ND< 9.13
Bromomethane	ND< 9.13	Chlorobenzene	ND< 9.13
Bromoform	ND< 9.13	Ethylbenzene	ND< 9.13
Carbon tetrachloride	ND< 9.13	Toluene	ND< 9.13
Chloroethane	ND< 9.13	m,p - Xylene	ND< 9.13
Chloromethane	ND< 9.13	o - Xylene	ND< 9.13
2-Chloroethyl vinyl ether	ND< 9.13	Styrene	ND< 9.13
Chloroform	ND< 9.13		
Dibromochloromethane	ND< 9.13		
1,1-Dichloroethane	ND< 9.13		
1,2-Dichloroethane	ND< 9.13		
1,1-Dichloroethene	ND< 9.13		
cis-1,2-Dichloroethene	ND< 9.13		
trans-1,2-Dichloroethene	ND< 9.13	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 9.13	Acetone	ND< 45.6
cis-1,3-Dichloropropene	ND< 9.13	Vinyl acetate	ND< 22.8
trans-1,3-Dichloropropene	ND< 9.13	2-Butanone	ND< 22.8
Methylene chloride	ND< 22.8	4-Methyl-2-pentanone	ND< 22.8
1,1,2,2-Tetrachloroethane	ND< 9.13	2-Hexanone	ND< 22.8
Tetrachloroethene	ND< 9.13	Carbon disulfide	ND< 22.8
1,1,1-Trichloroethane	ND< 9.13		
1,1,2-Trichloroethane	ND< 9.13		
Trichloroethene	12.7		
Vinyl Chloride	ND< 9.13		

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____

Laboratory Director

012757W6.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, New York 14608 (716) 647-2530 FAX (716) 647-3311

SEMI-VOLATILES LABORATORY REPORT FOR SOIL/SOLIDS

Client:	Leader Professional Services, In	**Lab Project No.:**	01-2757
Client Job Site:	RoCo, Ltd	**Lab Sample No.:**	10007
		Sample Type:	Soil
Client Job No.:	147-007	**Sample Date:**	11/02/2001
Field Location:	BH-11 (8'-10')	**Date Received:**	11/06/2001
Field ID No.:	N/A	**Date Analyzed:**	11/13/2001

COMPOUND	RESULT (ug/Kg)	COMPOUND	RESULT (ug/Kg)
Benzyl alcohol	ND< 864	2,4-Dinitrophenol	ND< 345
Bis (2-chloroethyl) ether	ND< 345	2,4-Dinitrotoluene	ND< 345
Bis (2-chloroisopropyl) ether	ND< 345	2,6-Dinitrotoluene	ND< 345
2-Chlorophenol	ND< 345	Fluorene	ND< 345
1,3-Dichlorobenzene	ND< 345	Hexachlorocyclopentadiene	ND< 345
1,4-Dichlorobenzene	ND< 345	2-Nitroaniline	ND< 864
1,2-Dichlorobenzene	ND< 345	3-Nitroaniline	ND< 864
Hexachloroethane	ND< 345	4-Nitroaniline	ND< 864
2-Methylphenol	ND< 345	4-Nitrophenol	ND< 864
4-Methylphenol	ND< 345	2,4,6-Trichlorophenol	ND< 345
N-Nitrosodimethylamine	ND< 345	2,4,5-Trichlorophenol	ND< 864
N-Nitroso-di-n-propylamine	ND< 345	4-Bromophenyl phenyl ether	ND< 345
Phenol	ND< 345	Di-n-butyl phthalate	ND< 345
Benzoic acid	ND< 864	4,6-Dinitro-2-methylphenol	ND< 864
Bis (2-chloroethoxy) methane	ND< 345	Fluoranthene	ND< 345
4-Chloroaniline	ND< 345	Hexachlorobenzene	ND< 345
4-Chloro-3-methylphenol	ND< 345	N-Nitrosodiphenylamine	ND< 345
2,4-Dichlorophenol	ND< 345	Pentachlorophenol	ND< 864
2,6-Dichlorophenol	ND< 345	Anthracene	ND< 345
2,4-Dimethylphenol	ND< 345	Phenanthrene	ND< 345
Hexachlorobutadiene	ND< 345	Benzidine	ND< 864
Isophorone	ND< 345	Benzo (a) anthracene	ND< 345
2-Methylnapthalene	ND< 345	Bis (2-ethylhexyl) phthalate	674
Naphthalene	ND< 345	Butylbenzylphthalate	ND< 345
Nitrobenzene	ND< 345	Chrysene	ND< 345
2-Nitrophenol	ND< 345	3,3'-Dichlorobenzidine	ND< 345
1,2,4-Trichlorobenzene	ND< 345	Pyrene	ND< 345
2-Chloronaphthalene	ND< 345	Benzo (b) fluoranthene	ND< 345
Acenaphthene	ND< 345	Benzo (k) fluoranthene	ND< 345
Acenapthylene	ND< 345	Benzo (g,h,i) perylene	ND< 345
4-Chlorophenyl phenyl ether	ND< 345	Benzo (a) pyrene	ND< 345
Dibenzofuran	ND< 345	Dibenz (a,h) anthracene	ND< 345
Diethyl phthalate	ND< 345	Di-n-octylphthalate	ND< 345
Dimethyl phthalate	ND< 864	Indeno (1,2,3-cd) pyrene	ND< 345

Analytical Method: EPA 8270 **ELAP ID No: 10958**

Comments: ND denotes Not Detected

Approved By: _____
Laboratory Director

PARADIGM

ENVIRONMENTAL SERVICES, INC.

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

SEMI-VOLATILES LABORATORY REPORT FOR SOIL/SOLIDS

Client:	**Leader Professional Services, In**	**Lab Project No.:**	01-2757
Client Job Site:	RoCo, Ltd	**Lab Sample No.:**	10012
		Sample Type:	Soil
Client Job No.:	147-007	**Sample Date:**	11/01/2001
Field Location:	GW-1 (8'-10')	**Date Received:**	11/06/2001
Field ID No.:	N/A	**Date Analyzed:**	11/13/2001

COMPOUND	RESULT (ug/Kg)	COMPOUND	RESULT (ug/Kg)
Benzyl alcohol	ND< 845	2,4-Dinitrophenol	ND< 338
Bis (2-chloroethyl) ether	ND< 338	2,4-Dinitrotoluene	ND< 338
Bis (2-chloroisopropyl) ether	ND< 338	2,6-Dinitrotoluene	ND< 338
2-Chlorophenol	ND< 338	Fluorene	ND< 338
1,3-Dichlorobenzene	ND< 338	Hexachlorocyclopentadiene	ND< 338
1,4-Dichlorobenzene	ND< 338	2-Nitroaniline	ND< 845
1,2-Dichlorobenzene	ND< 338	3-Nitroaniline	ND< 845
Hexachloroethane	ND< 338	4-Nitroaniline	ND< 845
2-Methylphenol	ND< 338	4-Nitrophenol	ND< 845
4-Methylphenol	ND< 338	2,4,6-Trichlorophenol	ND< 338
N-Nitrosodimethylamine	ND< 338	2,4,5-Trichlorophenol	ND< 845
N-Nitroso-di-n-propylamine	ND< 338	4-Bromophenyl phenyl ether	ND< 338
Phenol	ND< 338	Di-n-butyl phthalate	ND< 338
Benzoic acid	ND< 845	4,6-Dinitro-2-methylphenol	ND< 845
Bis (2-chloroethoxy) methane	ND< 338	Fluoranthene	ND< 338
4-Chloroaniline	ND< 338	Hexachlorobenzene	ND< 338
4-Chloro-3-methylphenol	ND< 338	N-Nitrosodiphenylamine	ND< 338
2,4-Dichlorophenol	ND< 338	Pentachlorophenol	ND< 845
2,6-Dichlorophenol	ND< 338	Anthracene	ND< 338
2,4-Dimethylphenol	ND< 338	Phenanthrene	ND< 338
Hexachlorobutadiene	ND< 338	Benzidine	ND< 845
Isophorone	ND< 338	Benzo (a) anthracene	ND< 338
2-Methylnapthalene	ND< 338	Bis (2-ethylhexyl) phthalate	ND< 338
Naphthalene	ND< 338	Butylbenzylphthalate	ND< 338
Nitrobenzene	ND< 338	Chrysene	ND< 338
2-Nitrophenol	ND< 338	3,3'-Dichlorobenzidine	ND< 338
1,2,4-Trichlorobenzene	ND< 338	Pyrene	ND< 338
2-Chloronaphthalene	ND< 338	Benzo (b) fluoranthene	ND< 338
Acenaphthene	ND< 338	Benzo (k) fluoranthene	ND< 338
Acenapthylene	ND< 338	Benzo (g,h,i) perylene	ND< 338
4-Chlorophenyl phenyl ether	ND< 338	Benzo (a) pyrene	ND< 338
Dibenzofuran	ND< 338	Dibenz (a,h) anthracene	ND< 338
Diethyl phthalate	ND< 338	Di-n-octylphthalate	ND< 338
Dimethyl phthalate	ND< 845	Indeno (1,2,3-cd) pyrene	ND< 338

Analytical Method: EPA 8270 **ELAP ID No: 10958**

Comments: ND denotes Not Detected

Approved By: _____
Laboratory Director

PARADIGM

ENVIRONMENTAL SERVICES, INC.

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

SEMI-VOLATILES LABORATORY REPORT FOR SOIL/SOLIDS

Client:	Leader Professional Services, In	**Lab Project No.:**	01-2757
Client Job Site:	RoCo, Ltd	**Lab Sample No.:**	10016
		Sample Type:	Soil
Client Job No.:	147-007	**Sample Date:**	11/01/2001
Field Location:	GW-2 (8'-10')	**Date Received:**	11/06/2001
Field ID No.:	N/A	**Date Analyzed:**	11/13/2001

COMPOUND	RESULT (ug/Kg)	COMPOUND	RESULT (ug/Kg)
Benzyl alcohol	ND< 794	2,4-Dinitrophenol	ND< 317
Bis (2-chloroethyl) ether	ND< 317	2,4-Dinitrotoluene	ND< 317
Bis (2-chloroisopropyl) ether	ND< 317	2,6-Dinitrotoluene	ND< 317
2-Chlorophenol	ND< 317	Fluorene	ND< 317
1,3-Dichlorobenzene	ND< 317	Hexachlorocyclopentadiene	ND< 317
1,4-Dichlorobenzene	ND< 317	2-Nitroaniline	ND< 794
1,2-Dichlorobenzene	ND< 317	3-Nitroaniline	ND< 794
Hexachloroethane	ND< 317	4-Nitroaniline	ND< 794
2-Methylphenol	ND< 317	4-Nitrophenol	ND< 794
4-Methylphenol	ND< 317	2,4,6-Trichlorophenol	ND< 317
N-Nitrosodimethylamine	ND< 317	2,4,5-Trichlorophenol	ND< 794
N-Nitroso-di-n-propylamine	ND< 317	4-Bromophenyl phenyl ether	ND< 317
Phenol	ND< 317	Di-n-butyl phthalate	ND< 317
Benzoic acid	ND< 794	4,6-Dinitro-2-methylphenol	ND< 794
Bis (2-chloroethoxy) methane	ND< 317	Fluoranthene	ND< 317
4-Chloroaniline	ND< 317	Hexachlorobenzene	ND< 317
4-Chloro-3-methylphenol	ND< 317	N-Nitrosodiphenylamine	ND< 317
2,4-Dichlorophenol	ND< 317	Pentachlorophenol	ND< 794
2,6-Dichlorophenol	ND< 317	Anthracene	ND< 317
2,4-Dimethylphenol	ND< 317	Phenanthrene	ND< 317
Hexachlorobutadiene	ND< 317	Benzidine	ND< 794
Isophorone	ND< 317	Benzo (a) anthracene	ND< 317
2-Methylnapthalene	ND< 317	Bis (2-ethylhexyl) phthalate	ND< 317
Naphthalene	ND< 317	Butylbenzylphthalate	ND< 317
Nitrobenzene	ND< 317	Chrysene	ND< 317
2-Nitrophenol	ND< 317	3,3'-Dichlorobenzidine	ND< 317
1,2,4-Trichlorobenzene	ND< 317	Pyrene	ND< 317
2-Chloronaphthalene	ND< 317	Benzo (b) fluoranthene	ND< 317
Acenaphthene	ND< 317	Benzo (k) fluoranthene	ND< 317
Acenapthylene	ND< 317	Benzo (g,h,i) perylene	ND< 317
4-Chlorophenyl phenyl ether	ND< 317	Benzo (a) pyrene	ND< 317
Dibenzofuran	ND< 317	Dibenz (a,h) anthracene	ND< 317
Diethyl phthalate	ND< 317	Di-n-octylphthalate	ND< 317
Dimethyl phthalate	ND< 794	Indeno (1,2,3-cd) pyrene	ND< 317

Analytical Method: EPA 8270 **ELAP ID No: 10958**

Comments: ND denotes Not Detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, New York 14608 (716) 647-2530 FAX (716) 647-3311

SEMI-VOLATILES LABORATORY REPORT FOR SOIL/SOLIDS

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2757
Client Job Site:	RoCo, Ltd	**Lab Sample No.:**	10015
		Sample Type:	Soil
Client Job No.:	147-007	**Sample Date:**	11/02/2001
Field Location:	GW-3 (10'-12')	**Date Received:**	11/06/2001
Field ID No.:	N/A	**Date Analyzed:**	11/13/2001

COMPOUND	RESULT (ug/Kg)	COMPOUND	RESULT (ug/Kg)
Benzyl alcohol	ND< 847	2,4-Dinitrophenol	ND< 339
Bis (2-chloroethyl) ether	ND< 339	2,4-Dinitrotoluene	ND< 339
Bis (2-chloroisopropyl) ether	ND< 339	2,6-Dinitrotoluene	ND< 339
2-Chlorophenol	ND< 339	Fluorene	ND< 339
1,3-Dichlorobenzene	ND< 339	Hexachlorocyclopentadiene	ND< 339
1,4-Dichlorobenzene	ND< 339	2-Nitroaniline	ND< 847
1,2-Dichlorobenzene	ND< 339	3-Nitroaniline	ND< 847
Hexachloroethane	ND< 339	4-Nitroaniline	ND< 847
2-Methylphenol	ND< 339	4-Nitrophenol	ND< 847
4-Methylphenol	ND< 339	2,4,6-Trichlorophenol	ND< 339
N-Nitrosodimethylamine	ND< 339	2,4,5-Trichlorophenol	ND< 847
N-Nitroso-di-n-propylamine	ND< 339	4-Bromophenyl phenyl ether	ND< 339
Phenol	ND< 339	Di-n-butyl phthalate	ND< 339
Benzoic acid	ND< 847	4,6-Dinitro-2-methylphenol	ND< 847
Bis (2-chloroethoxy) methane	ND< 339	Fluoranthene	ND< 339
4-Chloroaniline	ND< 339	Hexachlorobenzene	ND< 339
4-Chloro-3-methylphenol	ND< 339	N-Nitrosodiphenylamine	ND< 339
2,4-Dichlorophenol	ND< 339	Pentachlorophenol	ND< 847
2,6-Dichlorophenol	ND< 339	Anthracene	ND< 339
2,4-Dimethylphenol	ND< 339	Phenanthrene	ND< 339
Hexachlorobutadiene	ND< 339	Benzidine	ND< 847
Isophorone	ND< 339	Benzo (a) anthracene	ND< 339
2-Methylnapthalene	ND< 339	Bis (2-ethylhexyl) phthalate	ND< 339
Naphthalene	ND< 339	Butylbenzylphthalate	ND< 339
Nitrobenzene	ND< 339	Chrysene	ND< 339
2-Nitrophenol	ND< 339	3,3'-Dichlorobenzidine	ND< 339
1,2,4-Trichlorobenzene	ND< 339	Pyrene	ND< 339
2-Chloronaphthalene	ND< 339	Benzo (b) fluoranthene	ND< 339
Acenaphthene	ND< 339	Benzo (k) fluoranthene	ND< 339
Acenapthylene	ND< 339	Benzo (g,h,i) perylene	ND< 339
4-Chlorophenyl phenyl ether	ND< 339	Benzo (a) pyrene	ND< 339
Dibenzofuran	ND< 339	Dibenz (a,h) anthracene	ND< 339
Diethyl phthalate	ND< 339	Di-n-octylphthalate	ND< 339
Dimethyl phthalate	ND< 847	Indeno (1,2,3-cd) pyrene	ND< 339

Analytical Method: EPA 8270 **ELAP ID No: 10958**

Comments: ND denotes Not Detected

Approved By: _____
Laboratory Director

PARADIGM

ENVIRONMENTAL SERVICES, INC.

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

SEMI-VOLATILES LABORATORY REPORT FOR SOIL/SOLIDS

Client:	Leader Professional Services, In	**Lab Project No.:**	01-2757
Client Job Site:	RoCo, Ltd	**Lab Sample No.:**	10018
		Sample Type:	Soil
Client Job No.:	147-007	**Sample Date:**	11/01/2001
Field Location:	GW-4 (6'-8')	**Date Received:**	11/06/2001
Field ID No.:	N/A	**Date Analyzed:**	11/13/2001

COMPOUND	RESULT (ug/Kg)	COMPOUND	RESULT (ug/Kg)
Benzyl alcohol	ND< 827	2,4-Dinitrophenol	ND< 331
Bis (2-chloroethyl) ether	ND< 331	2,4-Dinitrotoluene	ND< 331
Bis (2-chloroisopropyl) ether	ND< 331	2,6-Dinitrotoluene	ND< 331
2-Chlorophenol	ND< 331	Fluorene	ND< 331
1,3-Dichlorobenzene	ND< 331	Hexachlorocyclopentadiene	ND< 331
1,4-Dichlorobenzene	ND< 331	2-Nitroaniline	ND< 827
1,2-Dichlorobenzene	ND< 331	3-Nitroaniline	ND< 827
Hexachloroethane	ND< 331	4-Nitroaniline	ND< 827
2-Methylphenol	ND< 331	4-Nitrophenol	ND< 827
4-Methylphenol	ND< 331	2,4,6-Trichlorophenol	ND< 331
N-Nitrosodimethylamine	ND< 331	2,4,5-Trichlorophenol	ND< 827
N-Nitroso-di-n-propylamine	ND< 331	4-Bromophenyl phenyl ether	ND< 331
Phenol	ND< 331	Di-n-butyl phthalate	ND< 331
Benzoic acid	ND< 827	4,6-Dinitro-2-methylphenol	ND< 827
Bis (2-chloroethoxy) methane	ND< 331	Fluoranthene	ND< 331
4-Chloroaniline	ND< 331	Hexachlorobenzene	ND< 331
4-Chloro-3-methylphenol	ND< 331	N-Nitrosodiphenylamine	ND< 331
2,4-Dichlorophenol	ND< 331	Pentachlorophenol	ND< 827
2,6-Dichlorophenol	ND< 331	Anthracene	ND< 331
2,4-Dimethylphenol	ND< 331	Phenanthrene	ND< 331
Hexachlorobutadiene	ND< 331	Benzidine	ND< 827
Isophorone	ND< 331	Benzo (a) anthracene	ND< 331
2-Methylnapthalene	ND< 331	Bis (2-ethylhexyl) phthalate	ND< 331
Naphthalene	ND< 331	Butylbenzylphthalate	ND< 331
Nitrobenzene	ND< 331	Chrysene	ND< 331
2-Nitrophenol	ND< 331	3,3'-Dichlorobenzidine	ND< 331
1,2,4-Trichlorobenzene	ND< 331	Pyrene	ND< 331
2-Chloronaphthalene	ND< 331	Benzo (b) fluoranthene	ND< 331
Acenaphthene	ND< 331	Benzo (k) fluoranthene	ND< 331
Acenapthylene	ND< 331	Benzo (g,h,i) perylene	ND< 331
4-Chlorophenyl phenyl ether	ND< 331	Benzo (a) pyrene	ND< 331
Dibenzofuran	ND< 331	Dibenz (a,h) anthracene	ND< 331
Diethyl phthalate	ND< 331	Di-n-octylphthalate	ND< 331
Dimethyl phthalate	ND< 827	Indeno (1,2,3-cd) pyrene	ND< 331

Analytical Method: EPA 8270 **ELAP ID No: 10958**

Comments: ND denotes Not Detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, New York 14608 (716) 647-2530 FAX (716) 647-3311

SEMI-VOLATILES LABORATORY REPORT FOR SOIL/SOLIDS

Client:	Leader Professional Services, In	**Lab Project No.:**	01-2757
Client Job Site:	RoCo, Ltd	**Lab Sample No.:**	10019
		Sample Type:	Soil
Client Job No.:	147-007	**Sample Date:**	11/01/2001
Field Location:	GW-5 (8'-10')	**Date Received:**	11/06/2001
Field ID No.:	N/A	**Date Analyzed:**	11/13/2001

COMPOUND	RESULT (ug/Kg)	COMPOUND	RESULT (ug/Kg)
Benzyl alcohol	ND< 904	2,4-Dinitrophenol	ND< 362
Bis (2-chloroethyl) ether	ND< 362	2,4-Dinitrotoluene	ND< 362
Bis (2-chloroisopropyl) ether	ND< 362	2,6-Dinitrotoluene	ND< 362
2-Chlorophenol	ND< 362	Fluorene	ND< 362
1,3-Dichlorobenzene	ND< 362	Hexachlorocyclopentadiene	ND< 362
1,4-Dichlorobenzene	ND< 362	2-Nitroaniline	ND< 904
1,2-Dichlorobenzene	ND< 362	3-Nitroaniline	ND< 904
Hexachloroethane	ND< 362	4-Nitroaniline	ND< 904
2-Methylphenol	ND< 362	4-Nitrophenol	ND< 904
4-Methylphenol	ND< 362	2,4,6-Trichlorophenol	ND< 362
N-Nitrosodimethylamine	ND< 362	2,4,5-Trichlorophenol	ND< 904
N-Nitroso-di-n-propylamine	ND< 362	4-Bromophenyl phenyl ether	ND< 362
Phenol	ND< 362	Di-n-butyl phthalate	ND< 362
Benzoic acid	ND< 904	4,6-Dinitro-2-methylphenol	ND< 904
Bis (2-chloroethoxy) methane	ND< 362	Fluoranthene	748
4-Chloroaniline	ND< 362	Hexachlorobenzene	ND< 362
4-Chloro-3-methylphenol	ND< 362	N-Nitrosodiphenylamine	ND< 362
2,4-Dichlorophenol	ND< 362	Pentachlorophenol	ND< 904
2,6-Dichlorophenol	ND< 362	Anthracene	ND< 362
2,4-Dimethylphenol	ND< 362	Phenanthrene	483
Hexachlorobutadiene	ND< 362	Benzidine	ND< 904
Isophorone	ND< 362	Benzo (a) anthracene	ND< 362
2-Methylnapthalene	ND< 362	Bis (2-ethylhexyl) phthalate	ND< 362
Naphthalene	ND< 362	Butylbenzylphthalate	ND< 362
Nitrobenzene	ND< 362	Chrysene	ND< 362
2-Nitrophenol	ND< 362	3,3'-Dichlorobenzidine	ND< 362
1,2,4-Trichlorobenzene	ND< 362	Pyrene	620
2-Chloronaphthalene	ND< 362	Benzo (b) fluoranthene	ND< 362
Acenaphthene	ND< 362	Benzo (k) fluoranthene	ND< 362
Acenapthylene	ND< 362	Benzo (g,h,i) perylene	ND< 362
4-Chlorophenyl phenyl ether	ND< 362	Benzo (a) pyrene	ND< 362
Dibenzofuran	ND< 362	Dibenz (a,h) anthracene	ND< 362
Diethyl phthalate	ND< 362	Di-n-octylphthalate	ND< 362
Dimethyl phthalate	ND< 904	Indeno (1,2,3-cd) pyrene	ND< 362

Analytical Method: EPA 8270 **ELAP ID No: 10958**

Comments: ND denotes Not Detected

Approved By: _____
Laboratory Director

PARADIGM
Environmental Services, Inc.

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

Polychlorinated Biphenyls Laboratory Analysis Report For Soil/Sludge/Oil

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2757
		Lab Sample No.:	10007
Client Job Site:	RoCo, Ltd		
		Sample Type:	Soil
Client Job No.:	147.007		
		Date Sampled:	11/02/01
Field Location:	BH-11 (8'-10')	**Date Received:**	11/06/01
Field ID No:	N/A	**Date Analyzed:**	11/12/01

Polychlorinated Biphenyl	Result (mg/Kg)	Reporting Limit (mg/Kg)
PCB 1016	ND	0.47
PCB 1221	ND	0.47
PCB 1232	ND	0.47
PCB 1242	ND	0.47
PCB 1248	ND	0.47
PCB 1254	ND	0.47
PCB 1260	ND	0.47

Analytical Method: EPA 8082 ELAP ID No.: 10958

Comments: ND denotes Not Detected.

Approved By: _____
Laboratory Director

File ID: 012757P1.XLS

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Polychlorinated Biphenyls Laboratory Analysis Report For Soil/Sludge/Oil

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2757
		Lab Sample No.:	10010
Client Job Site:	RoCo, Ltd		
		Sample Type:	Soil
Client Job No.:	147.007		
		Date Sampled:	11/02/01
Field Location:	BH-13 (2'-4')	**Date Received:**	11/06/01
Field ID No:	N/A	**Date Analyzed:**	11/12/01

Polychlorinated Biphenyl	Result (mg/Kg)	Reporting Limit (mg/Kg)
PCB 1016	ND	0.50
PCB 1221	ND	0.50
PCB 1232	ND	0.50
PCB 1242	ND	0.50
PCB 1248	ND	0.50
PCB 1254	ND	0.50
PCB 1260	ND	0.50

Analytical Method: EPA 8082 ELAP ID No.: 10958

Comments: ND denotes Not Detected.

Approved By: _____
Laboratory Director

File ID: 012757p2.xls

PARADIGM
Environmental Services, Inc.

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

Polychlorinated Biphenyls Laboratory Analysis Report For Soil/Sludge/Oil

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2757
		Lab Sample No.:	10012
Client Job Site:	RoCo, Ltd		
		Sample Type:	Soil
Client Job No.:	147.007		
		Date Sampled:	11/01/01
Field Location:	GW-1 (8'-10')	**Date Received:**	11/06/01
Field ID No:	N/A	**Date Analyzed:**	11/12/01

Polychlorinated Biphenyl	Result (mg/Kg)	Reporting Limit (mg/Kg)
PCB 1016	ND	0.55
PCB 1221	ND	0.55
PCB 1232	ND	0.55
PCB 1242	ND	0.55
PCB 1248	ND	0.55
PCB 1254	ND	0.55
PCB 1260	ND	0.55

Analytical Method: EPA 8082 ELAP ID No.: 10958

Comments: ND denotes Not Detected.

Approved By: _____
Laboratory Director

File ID: 012757P3.XLS

PARADIGM
Environmental Services, Inc.

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

Polychlorinated Biphenyls Laboratory Analysis Report For Soil/Sludge/Oil

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2757
		Lab Sample No.:	10016
Client Job Site:	RoCo, Ltd		
		Sample Type:	Soil
Client Job No.:	147.007		
		Date Sampled:	11/01/01
Field Location:	GW-2 (8'-10')	**Date Received:**	11/06/01
Field ID No:	N/A	**Date Analyzed:**	11/12/01

Polychlorinated Biphenyl	Result (mg/Kg)	Reporting Limit (mg/Kg)
PCB 1016	ND	0.45
PCB 1221	ND	0.45
PCB 1232	ND	0.45
PCB 1242	ND	0.45
PCB 1248	ND	0.45
PCB 1254	ND	0.45
PCB 1260	ND	0.45

Analytical Method: EPA 8082 ELAP ID No.: 10958

Comments: ND denotes Not Detected.

Approved By: _____
Laboratory Director

File ID: 012757P5.XLS

PARADIGM
Environmental Services, Inc.

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

Polychlorinated Biphenyls Laboratory Analysis Report For Soil/Sludge/Oil

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2757
		Lab Sample No.:	10015
Client Job Site:	RoCo, Ltd		
		Sample Type:	Soil
Client Job No.:	147.007		
		Date Sampled:	11/01/01
Field Location:	GW-3 (10'-12')	**Date Received:**	11/06/01
Field ID No:	N/A	**Date Analyzed:**	11/12/01

Polychlorinated Biphenyl	Result (mg/Kg)	Reporting Limit (mg/Kg)
PCB 1016	ND	0.54
PCB 1221	ND	0.54
PCB 1232	ND	0.54
PCB 1242	ND	0.54
PCB 1248	ND	0.54
PCB 1254	ND	0.54
PCB 1260	ND	0.54

Analytical Method: EPA 8082 ELAP ID No.: 10958

Comments: ND denotes Not Detected.

Approved By: _____
Laboratory Director

File ID: 012757P4.XLS

PARADIGM
Environmental Services, Inc.

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

Polychlorinated Biphenyls Laboratory Analysis Report For Soil/Sludge/Oil

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2757
		Lab Sample No.:	10018
Client Job Site:	RoCo, Ltd		
		Sample Type:	Soil
Client Job No.:	147.007		
		Date Sampled:	11/01/01
Field Location:	GW-4 (6'-8')	**Date Received:**	11/06/01
Field ID No:	N/A	**Date Analyzed:**	11/12/01

Polychlorinated Biphenyl	Result (mg/Kg)	Reporting Limit (mg/Kg)
PCB 1016	ND	0.56
PCB 1221	ND	0.56
PCB 1232	ND	0.56
PCB 1242	ND	0.56
PCB 1248	ND	0.56
PCB 1254	ND	0.56
PCB 1260	ND	0.56

Analytical Method: EPA 8082 ELAP ID No.: 10958

Comments: ND denotes Not Detected.

Approved By: _____
Laboratory Director

File ID: 012757P6.XLS

PARADIGM
Environmental Services, Inc.

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

Polychlorinated Biphenyls Laboratory Analysis Report For Soil/Sludge/Oil

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2757
		Lab Sample No.:	10019
Client Job Site:	RoCo, Ltd		
		Sample Type:	Soil
Client Job No.:	147.007		
		Date Sampled:	11/01/01
Field Location:	GW-5 (8'-10')	**Date Received:**	11/06/01
Field ID No:	N/A	**Date Analyzed:**	11/13/01

Polychlorinated Biphenyl	Result (mg/Kg)	Reporting Limit (mg/Kg)
PCB 1016	ND	0.62
PCB 1221	ND	0.62
PCB 1232	ND	0.62
PCB 1242	ND	0.62
PCB 1248	ND	0.62
PCB 1254	ND	0.62
PCB 1260	ND	0.62

Analytical Method: EPA 8082 ELAP ID No.: 10958

Comments: ND denotes Not Detected.

Approved By: _____
Laboratory Director

File ID: 012757P7.XLS

PARADIGM
Environmental Services, Inc.

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

Chlorinated Hydrocarbon Pesticides in Soil/Solid Waste

Client:	**Leader Professional Service, Inc**	**Lab Project No:**	01-2757
		Lab Sample No:	10007
Client Job Site:	RoCo, Ltd	**Sample Type:**	Soil
Client Job No:	147-007	**Date Sampled:**	11/2/01
Field Location:	BH-11 (8'-10')	**Date Received:**	11/6/01
Field ID No:	N/A	**Date Analyzed:**	11/13/01

Parameter		Result (ug/Kg)
alpha-BHC	ND<	3.4
gamma-BHC	ND<	3.4
beta-BHC	ND<	3.4
Heptachlor	ND<	3.4
delta-BHC	ND<	3.4
Aldrin	ND<	3.4
Heptachlor Epoxide	ND<	3.4
Chlordane	ND<	34
Endosulfan I	ND<	3.4
4,4'-DDE	ND<	3.4
Dieldrin	ND<	3.4
Endrin	ND<	4.8
Endosulfan II	ND<	3.4
4,4'-DDD	ND<	3.4
Methoxychlor	ND<	3.4
4,4'-DDT	ND<	3.4
Endrin Aldehyde	ND<	3.4
Endosulfan Sulfate	ND<	3.4
Toxaphene	ND<	171

Analytical Method: EPA 8081 ELAP ID: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

File ID: 012757Q1.XLS

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Chlorinated Hydrocarbon Pesticides in Soil/Solid Waste

Client:	Leader Professional Service, Inc	**Lab Project No:**	01-2757
		Lab Sample No:	10012
Client Job Site:	RoCo, Ltd	**Sample Type:**	Soil
Client Job No:	147-007	**Date Sampled:**	11/1/01
Field Location:	GW-1 (8'-10')	**Date Received:**	11/6/01
Field ID No:	N/A	**Date Analyzed:**	11/13/01

Parameter		Result (ug/Kg)
alpha-BHC	ND<	3.4
gamma-BHC	ND<	3.4
beta-BHC	ND<	3.4
Heptachlor	ND<	3.4
delta-BHC	ND<	3.4
Aldrin	ND<	3.4
Heptachlor Epoxide	ND<	3.4
Chlordane	ND<	34
Endosulfan I	ND<	3.4
4,4'-DDE	ND<	3.4
Dieldrin	ND<	3.4
Endrin	ND<	4.8
Endosulfan II	ND<	3.4
4,4'-DDD	ND<	3.4
Methoxychlor	ND<	3.4
4,4'-DDT	ND<	3.4
Endrin Aldehyde	ND<	3.4
Endosulfan Sulfate	ND<	3.4
Toxaphene	ND<	172

Analytical Method: EPA 8081 ELAP ID: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

File ID: 012757Q2.XLS

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Chlorinated Hydrocarbon Pesticides in Soil/Solid Waste

Client:	Leader Professional Service, Inc	**Lab Project No:**	01-2757
		Lab Sample No:	10016
Client Job Site:	RoCo, Ltd	**Sample Type:**	Soil
Client Job No:	147-007	**Date Sampled:**	11/1/01
Field Location:	GW-2 (8'-10')	**Date Received:**	11/6/01
Field ID No:	N/A	**Date Analyzed:**	11/13/01

Parameter		Result (ug/Kg)
alpha-BHC	ND<	3.2
gamma-BHC	ND<	3.2
beta-BHC	ND<	3.2
Heptachlor	ND<	3.2
delta-BHC	ND<	3.2
Aldrin	ND<	3.2
Heptachlor Epoxide	ND<	3.2
Chlordane	ND<	32
Endosulfan I	ND<	3.2
4,4'-DDE	ND<	3.2
Dieldrin	ND<	3.2
Endrin	ND<	4.4
Endosulfan II	ND<	3.2
4,4'-DDD	ND<	3.2
Methoxychlor	ND<	3.2
4,4'-DDT	ND<	3.2
Endrin Aldehyde	ND<	3.2
Endosulfan Sulfate	ND<	3.2
Toxaphene	ND<	159

Analytical Method: EPA 8081 ELAP ID: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

File ID: 012757Q4.XLS

PARADIGM
Environmental Services, Inc.

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

Chlorinated Hydrocarbon Pesticides in Soil/Solid Waste

Client:	**Leader Professional Service, Inc**	**Lab Project No:**	01-2757
		Lab Sample No:	10015
Client Job Site:	RoCo, Ltd	**Sample Type:**	Soil
Client Job No:	147-007	**Date Sampled:**	11/2/01
Field Location:	GW-3 (10'-12')	**Date Received:**	11/6/01
Field ID No:	N/A	**Date Analyzed:**	11/13/01

Parameter		Result (ug/Kg)
alpha-BHC	ND<	3.2
gamma-BHC	ND<	3.2
beta-BHC	ND<	3.2
Heptachlor	ND<	3.2
delta-BHC	ND<	3.2
Aldrin	ND<	3.2
Heptachlor Epoxide	ND<	3.2
Chlordane	ND<	32
Endosulfan I	ND<	3.2
4,4'-DDE	ND<	3.2
Dieldrin	ND<	3.2
Endrin	ND<	4.5
Endosulfan II	ND<	3.2
4,4'-DDD	ND<	3.2
Methoxychlor	ND<	3.2
4,4'-DDT	ND<	3.2
Endrin Aldehyde	ND<	3.2
Endosulfan Sulfate	ND<	3.2
Toxaphene	ND<	162

Analytical Method: EPA 8081 ELAP ID: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

File ID: 012757Q3.XLS

PARADIGM
Environmental Services, Inc.

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

Chlorinated Hydrocarbon Pesticides in Soil/Solid Waste

Client:	**Leader Professional Service, Inc**	**Lab Project No:**	01-2757
		Lab Sample No:	10018
Client Job Site:	RoCo, Ltd	**Sample Type:**	Soil
Client Job No:	147-007	**Date Sampled:**	11/1/01
Field Location:	GW-4 (6'-8')	**Date Received:**	11/6/01
Field ID No:	N/A	**Date Analyzed:**	11/13/01

Parameter		Result (ug/Kg)
alpha-BHC	ND<	3.4
gamma-BHC	ND<	3.4
beta-BHC	ND<	3.4
Heptachlor	ND<	3.4
delta-BHC	ND<	3.4
Aldrin	ND<	3.4
Heptachlor Epoxide	ND<	3.4
Chlordane	ND<	34
Endosulfan I	ND<	3.4
4,4'-DDE	ND<	3.4
Dieldrin	ND<	3.4
Endrin	ND<	4.7
Endosulfan II	ND<	3.4
4,4'-DDD	ND<	3.4
Methoxychlor	ND<	3.4
4,4'-DDT	ND<	3.4
Endrin Aldehyde	ND<	3.4
Endosulfan Sulfate	ND<	3.4
Toxaphene	ND<	168

Analytical Method: EPA 8081 ELAP ID: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

File ID: 012757Q5.XLS

PARADIGM
Environmental Services, Inc.

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

Chlorinated Hydrocarbon Pesticides in Soil/Solid Waste

Client:	Leader Professional Service, Inc	**Lab Project No:**	01-2757
		Lab Sample No:	10019
Client Job Site:	RoCo, Ltd	**Sample Type:**	Soil
Client Job No:	147-007	**Date Sampled:**	11/1/01
Field Location:	GW-5 (8'-10')	**Date Received:**	11/6/01
Field ID No:	N/A	**Date Analyzed:**	11/13/01

Parameter		Result (ug/Kg)
alpha-BHC	ND<	3.6
gamma-BHC	ND<	3.6
beta-BHC	ND<	3.6
Heptachlor	ND<	3.6
delta-BHC	ND<	3.6
Aldrin	ND<	3.6
Heptachlor Epoxide	ND<	3.6
Chlordane	ND<	36
Endosulfan I	ND<	3.6
4,4'-DDE	ND<	3.6
Dieldrin	ND<	3.6
Endrin	ND<	5.1
Endosulfan II	ND<	3.6
4,4'-DDD	ND<	3.6
Methoxychlor	ND<	3.6
4,4'-DDT	ND<	3.6
Endrin Aldehyde	ND<	3.6
Endosulfan Sulfate	ND<	3.6
Toxaphene	ND<	181

Analytical Method: EPA 8081 ELAP ID: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

File ID: 012757Q6.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (716) 647-2530 FAX (716) 647-3311

Client: Leader Professional Services, Inc.

Client Job Site: RoCo, Ltd.

Client Job No.: 147.007

Field Location: BH-11 (8'-10')
Field ID No.: N/A

Lab Project No. 01-2757
Lab Sample No. 10007

Sample Type: Soil

Date Sampled: 11/02/2001
Date Received: 11/06/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	11/09/2001	SW846 6010	<6.65
Arsenic	11/09/2001	SW846 6010	7.06
Beryllium	11/09/2001	SW846 6010	<0.554
Cadmium	11/09/2001	SW846 6010	1.32
Chromium	11/09/2001	SW846 6010	20.2
Copper	11/09/2001	SW846 6010	30.9
Lead	11/09/2001	SW846 6010	12.7
Mercury	11/13/2001	SW846 7471	<0.106
Nickel	11/09/2001	SW846 6010	23.2
Selenium	11/09/2001	SW846 6010	<0.554
Silver	11/09/2001	SW846 6010	<1.11
Thallium	11/09/2001	SW846 6010	<0.665
Zinc	11/09/2001	SW846 6010	66.3

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 012757

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (716) 647-2530 FAX (716) 647-3311

Client: Leader Professional Services, Inc.

Client Job Site: RoCo, Ltd.

Client Job No.: 147.007

Field Location: GW-1 (8'-10')
Field ID No.: N/A

Lab Project No. 01-2757
Lab Sample No. 10012

Sample Type: Soil

Date Sampled: 11/01/2001
Date Received: 11/06/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	11/09/2001	SW846 6010	<6.83
Arsenic	11/09/2001	SW846 6010	2.58
Beryllium	11/09/2001	SW846 6010	<0.569
Cadmium	11/09/2001	SW846 6010	1.02
Chromium	11/09/2001	SW846 6010	18.7
Copper	11/09/2001	SW846 6010	27.1
Lead	11/09/2001	SW846 6010	33.7
Mercury	11/13/2001	SW846 7471	<0.0928
Nickel	11/09/2001	SW846 6010	16.0
Selenium	11/09/2001	SW846 6010	<0.569
Silver	11/09/2001	SW846 6010	<1.14
Thallium	11/09/2001	SW846 6010	<0.683
Zinc	11/09/2001	SW846 6010	78.6

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 012757

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (716) 647-2530 FAX (716) 647-3311

Client: Leader Professional Services, Inc.

Client Job Site: RoCo, Ltd.

Client Job No.: 147.007

Field Location: GW-2 (8'-10')
Field ID No.: N/A

Lab Project No. 01-2757
Lab Sample No. 10016

Sample Type: Soil

Date Sampled: 11/01/2001
Date Received: 11/06/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	11/09/2001	SW846 6010	<6.64
Arsenic	11/09/2001	SW846 6010	2.39
Beryllium	11/09/2001	SW846 6010	<0.553
Cadmium	11/09/2001	SW846 6010	0.572
Chromium	11/09/2001	SW846 6010	8.82
Copper	11/09/2001	SW846 6010	12.1
Lead	11/09/2001	SW846 6010	9.50
Mercury	11/13/2001	SW846 7471	<0.0859
Nickel	11/09/2001	SW846 6010	8.92
Selenium	11/09/2001	SW846 6010	<0.553
Silver	11/09/2001	SW846 6010	<1.11
Thallium	11/09/2001	SW846 6010	<0.664
Zinc	11/09/2001	SW846 6010	48.4

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 012757

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (716) 647-2530 FAX (716) 647-3311

Client: Leader Professional Services, Inc.

Client Job Site: RoCo, Ltd.

Client Job No.: 147.007

Field Location: GW-3 (10'-12')
Field ID No.: N/A

Lab Project No. 01-2757
Lab Sample No. 10015

Sample Type: Soil

Date Sampled: 11/02/2001
Date Received: 11/06/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	11/09/2001	SW846 6010	<5.66
Arsenic	11/09/2001	SW846 6010	1.20
Beryllium	11/09/2001	SW846 6010	<0.472
Cadmium	11/09/2001	SW846 6010	<0.472
Chromium	11/09/2001	SW846 6010	8.43
Copper	11/09/2001	SW846 6010	8.54
Lead	11/09/2001	SW846 6010	3.02
Mercury	11/13/2001	SW846 7471	<0.0837
Nickel	11/09/2001	SW846 6010	<3.77
Selenium	11/09/2001	SW846 6010	<0.472
Silver	11/09/2001	SW846 6010	<0.942
Thallium	11/09/2001	SW846 6010	<0.566
Zinc	11/09/2001	SW846 6010	39.3

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 012757

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (716) 647-2530 FAX (716) 647-3311

Client: Leader Professional Services, Inc.

Client Job Site: RoCo, Ltd.

Client Job No.: 147.007

Field Location: GW-4 (6'-8')
Field ID No.: N/A

Lab Project No. 01-2757
Lab Sample No. 10018

Sample Type: Soil

Date Sampled: 11/02/2001
Date Received: 11/06/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	11/09/2001	SW846 6010	<6.35
Arsenic	11/09/2001	SW846 6010	5.18
Beryllium	11/09/2001	SW846 6010	<0.528
Cadmium	11/09/2001	SW846 6010	1.24
Chromium	11/09/2001	SW846 6010	21.6
Copper	11/09/2001	SW846 6010	23.8
Lead	11/09/2001	SW846 6010	11.1
Mercury	11/13/2001	SW846 7471	<0.0948
Nickel	11/09/2001	SW846 6010	24.0
Selenium	11/09/2001	SW846 6010	<0.528
Silver	11/09/2001	SW846 6010	<1.06
Thallium	11/09/2001	SW846 6010	<0.635
Zinc	11/09/2001	SW846 6010	56.5

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 012757

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (716) 647-2530 FAX (716) 647-3311

Client: Leader Professional Services, Inc.

Client Job Site: RoCo, Ltd.

Client Job No.: 147.007

Field Location: GW-5 (8'-10')
Field ID No.: N/A

Lab Project No. 01-2757
Lab Sample No. 10019

Sample Type: Soil

Date Sampled: 11/01/2001
Date Received: 11/06/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	11/09/2001	SW846 6010	<7.46
Arsenic	11/09/2001	SW846 6010	4.12
Beryllium	11/09/2001	SW846 6010	<0.622
Cadmium	11/09/2001	SW846 6010	1.50
Chromium	11/09/2001	SW846 6010	23.2
Copper	11/09/2001	SW846 6010	25.4
Lead	11/09/2001	SW846 6010	20.6
Mercury	11/13/2001	SW846 7471	<0.0876
Nickel	11/09/2001	SW846 6010	27.4
Selenium	11/09/2001	SW846 6010	<0.622
Silver	11/09/2001	SW846 6010	<1.24
Thallium	11/09/2001	SW846 6010	<0.746
Zinc	11/09/2001	SW846 6010	82.1

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 012757

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2822
Client Job Site:	RoCo, Ltd	**Lab Sample No.:**	10228
Client Job No.:	147.007	**Sample Type:**	Water
Field Location:	GW-1	**Date Sampled:**	11/09/01
		Date Received:	11/12/01
Field ID No.:	N/A	**Date Analyzed:**	11/15/01

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 5.00	Benzene	ND< 5.00
Bromomethane	ND< 5.00	Chlorobenzene	ND< 5.00
Bromoform	ND< 5.00	Ethylbenzene	ND< 5.00
Carbon tetrachloride	ND< 5.00	Toluene	ND< 5.00
Chloroethane	ND< 5.00	m,p - Xylene	ND< 5.00
Chloromethane	ND< 5.00	o - Xylene	ND< 5.00
2-Chloroethyl vinyl ether	ND< 5.00	Styrene	ND< 5.00
Chloroform	ND< 5.00		
Dibromochloromethane	ND< 5.00		
1,1-Dichloroethane	ND< 5.00		
1,2-Dichloroethane	ND< 5.00		
1,1-Dichloroethene	ND< 5.00		
cis-1,2-Dichloroethene	481	Ketones & Misc.	
trans-1,2-Dichloroethene	5.42	Acetone	ND< 25.0
1,2-Dichloropropane	ND< 5.00	Vinyl acetate	ND< 12.5
cis-1,3-Dichloropropene	ND< 5.00	2-Butanone	ND< 12.5
trans-1,3-Dichloropropen	ND< 5.00	4-Methyl-2-pentanone	ND< 12.5
Methylene chloride	ND< 12.5	2-Hexanone	ND< 12.5
1,1,2,2-Tetrachloroethan	ND< 5.00	Carbon disulfide	ND< 12.5
Tetrachloroethene	ND< 5.00		
1,1,1-Trichloroethane	ND< 5.00		
1,1,2-Trichloroethane	ND< 5.00		
Trichloroethene	7.09		
Vinyl Chloride	291		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012822V1.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2822
Client Job Site:	RoCo, Ltd	**Lab Sample No.:**	10229
Client Job No.:	147.007	**Sample Type:**	Water
Field Location:	GW-2	**Date Sampled:**	11/09/01
		Date Received:	11/12/01
Field ID No.:	N/A	**Date Analyzed:**	11/14/01

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.00	Benzene	ND< 2.00
Bromomethane	ND< 2.00	Chlorobenzene	ND< 2.00
Bromoform	ND< 2.00	Ethylbenzene	ND< 2.00
Carbon tetrachloride	ND< 2.00	Toluene	ND< 2.00
Chloroethane	ND< 2.00	m,p - Xylene	ND< 2.00
Chloromethane	ND< 2.00	o - Xylene	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00	Styrene	ND< 2.00
Chloroform	ND< 2.00		
Dibromochloromethane	ND< 2.00		
1,1-Dichloroethane	ND< 2.00		
1,2-Dichloroethane	ND< 2.00		
1,1-Dichloroethene	ND< 2.00		
cis-1,2-Dichloroethene	14.1	Ketones & Misc.	
trans-1,2-Dichloroethene	ND< 2.00	Acetone	ND< 10.0
1,2-Dichloropropane	ND< 2.00	Vinyl acetate	ND< 5.00
cis-1,3-Dichloropropene	ND< 2.00	2-Butanone	ND< 5.00
trans-1,3-Dichloropropen	ND< 2.00	4-Methyl-2-pentanone	ND< 5.00
Methylene chloride	ND< 5.00	2-Hexanone	ND< 5.00
1,1,2,2-Tetrachloroethan	ND< 2.00	Carbon disulfide	ND< 5.00
Tetrachloroethene	ND< 2.00		
1,1,1-Trichloroethane	ND< 2.00		
1,1,2-Trichloroethane	ND< 2.00		
Trichloroethene	88.1		
Vinyl Chloride	ND< 2.00		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012822V2.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2822
Client Job Site:	RoCo, Ltd	**Lab Sample No.:**	10230
Client Job No.:	147.007	**Sample Type:**	Water
Field Location:	GW-3	**Date Sampled:**	11/09/01
		Date Received:	11/12/01
Field ID No.:	N/A	**Date Analyzed:**	11/15/01

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 1,000	Benzene	ND< 1,000
Bromomethane	ND< 1,000	Chlorobenzene	ND< 1,000
Bromoform	ND< 1,000	Ethylbenzene	ND< 1,000
Carbon tetrachloride	ND< 1,000	Toluene	ND< 1,000
Chloroethane	ND< 1,000	m,p - Xylene	ND< 1,000
Chloromethane	ND< 1,000	o - Xylene	ND< 1,000
2-Chloroethyl vinyl ether	ND< 1,000	Styrene	ND< 1,000
Chloroform	ND< 1,000		
Dibromochloromethane	ND< 1,000		
1,1-Dichloroethane	ND< 1,000		
1,2-Dichloroethane	ND< 1,000		
1,1-Dichloroethene	ND< 1,000		
cis-1,2-Dichloroethene	4,860	Ketones & Misc.	
trans-1,2-Dichloroethene	ND< 1,000	Acetone	ND< 5,000
1,2-Dichloropropane	ND< 1,000	Vinyl acetate	ND< 2,500
cis-1,3-Dichloropropene	ND< 1,000	2-Butanone	ND< 2,500
trans-1,3-Dichloropropen	ND< 1,000	4-Methyl-2-pentanone	ND< 2,500
Methylene chloride	ND< 2,500	2-Hexanone	ND< 2,500
1,1,2,2-Tetrachloroethan	ND< 1,000	Carbon disulfide	ND< 2,500
Tetrachloroethene	ND< 1,000		
1,1,1-Trichloroethane	ND< 1,000		
1,1,2-Trichloroethane	ND< 1,000		
Trichloroethene	71,600		
Vinyl Chloride	ND< 1,000		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012822V3.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2822
Client Job Site:	RoCo, Ltd	**Lab Sample No.:**	10231
Client Job No.:	147.007	**Sample Type:**	Water
Field Location:	GW-4	**Date Sampled:**	11/09/01
		Date Received:	11/12/01
Field ID No.:	N/A	**Date Analyzed:**	11/15/01

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 200	Benzene	ND< 200
Bromomethane	ND< 200	Chlorobenzene	ND< 200
Bromoform	ND< 200	Ethylbenzene	ND< 200
Carbon tetrachloride	ND< 200	Toluene	ND< 200
Chloroethane	ND< 200	m,p - Xylene	ND< 200
Chloromethane	ND< 200	o - Xylene	ND< 200
2-Chloroethyl vinyl ether	ND< 200	Styrene	ND< 200
Chloroform	ND< 200		
Dibromochloromethane	ND< 200		
1,1-Dichloroethane	ND< 200		
1,2-Dichloroethane	ND< 200		
1,1-Dichloroethene	ND< 200		
cis-1,2-Dichloroethene	4,280	Ketones & Misc.	
trans-1,2-Dichloroethene	ND< 200	Acetone	ND< 1,000
1,2-Dichloropropane	ND< 200	Vinyl acetate	ND< 500
cis-1,3-Dichloropropene	ND< 200	2-Butanone	ND< 500
trans-1,3-Dichloropropen	ND< 200	4-Methyl-2-pentanone	ND< 500
Methylene chloride	ND< 500	2-Hexanone	ND< 500
1,1,2,2-Tetrachloroethan	ND< 200	Carbon disulfide	ND< 500
Tetrachloroethene	ND< 200		
1,1,1-Trichloroethane	ND< 200		
1,1,2-Trichloroethane	ND< 200		
Trichloroethene	8,230		
Vinyl Chloride	707		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012822V4.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2822
Client Job Site:	RoCo, Ltd	**Lab Sample No.:**	10232
Client Job No.:	147.007	**Sample Type:**	Water
Field Location:	GW-5	**Date Sampled:**	11/09/01
		Date Received:	11/12/01
Field ID No.:	N/A	**Date Analyzed:**	11/15/01

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.00	Benzene	7.66
Bromomethane	ND< 2.00	Chlorobenzene	ND< 2.00
Bromoform	ND< 2.00	Ethylbenzene	ND< 2.00
Carbon tetrachloride	ND< 2.00	Toluene	ND< 2.00
Chloroethane	ND< 2.00	m,p - Xylene	ND< 2.00
Chloromethane	ND< 2.00	o - Xylene	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00	Styrene	ND< 2.00
Chloroform	ND< 2.00		
Dibromochloromethane	ND< 2.00		
1,1-Dichloroethane	ND< 2.00		
1,2-Dichloroethane	ND< 2.00		
1,1-Dichloroethene	ND< 2.00		
cis-1,2-Dichloroethene	10.6	Ketones & Misc.	
trans-1,2-Dichloroethene	ND< 2.00	Acetone	ND< 10.0
1,2-Dichloropropane	ND< 2.00	Vinyl acetate	ND< 5.00
cis-1,3-Dichloropropene	ND< 2.00	2-Butanone	ND< 5.00
trans-1,3-Dichloropropen	ND< 2.00	4-Methyl-2-pentanone	ND< 5.00
Methylene chloride	ND< 5.00	2-Hexanone	ND< 5.00
1,1,2,2-Tetrachloroethan	ND< 2.00	Carbon disulfide	ND< 5.00
Tetrachloroethene	ND< 2.00		
1,1,1-Trichloroethane	ND< 2.00		
1,1,2-Trichloroethane	ND< 2.00		
Trichloroethene	ND< 2.00		
Vinyl Chloride	ND< 2.00		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012822V5.XLS

PARADIGM

ENVIRONMENTAL SERVICES, INC.

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

SEMI-VOLATILES LABORATORY REPORT FOR WATERS

Client:	**Leader Professional Services, Inc**	**Lab Project No.:**	01-2849
Client Job Site:	RoCo, Ltd	**Lab Sample No.:**	10310
		Sample Type:	Water
Client Job No.:	147.007		
		Sample Date:	11/13/01
Field Location:	GW-3	**Date Received:**	11/15/01
Field ID No.:	N/A	**Date Analyzed:**	11/20/01

COMPOUND	RESULT (ug/l)	COMPOUND	RESULT (ug/l)
Benzyl alcohol	ND< 25.0	2,4-Dinitrophenol	ND< 10.0
Bis (2-chloroethyl) ether	ND< 10.0	2,4-Dinitrotoluene	ND< 10.0
Bis (2-chloroisopropyl) ether	ND< 10.0	2,6-Dinitrotoluene	ND< 10.0
2-Chlorophenol	ND< 10.0	Fluorene	ND< 10.0
1,3-Dichlorobenzene	ND< 10.0	Hexachlorocyclopentadiene	ND< 10.0
1,4-Dichlorobenzene	ND< 10.0	2-Nitroaniline	ND< 25.0
1,2-Dichlorobenzene	ND< 10.0	3-Nitroaniline	ND< 25.0
Hexachloroethane	ND< 10.0	4-Nitroaniline	ND< 25.0
2-Methylphenol	ND< 10.0	4-Nitrophenol	ND< 25.0
4-Methylphenol	ND< 10.0	2,4,6-Trichlorophenol	ND< 10.0
N-Nitrosodimethylamine	ND< 10.0	2,4,5-Trichlorophenol	ND< 25.0
N-Nitroso-di-n-propylamine	ND< 10.0	4-Bromophenyl phenyl ether	ND< 10.0
Phenol	ND< 10.0	Di-n-butyl phthalate	ND< 10.0
Benzoic acid	ND< 25.0	4,6-Dinitro-2-methylphenol	ND< 25.0
Bis (2-chloroethoxy) methane	ND< 10.0	Fluoranthene	ND< 10.0
4-Chloroaniline	ND< 10.0	Hexachlorobenzene	ND< 10.0
4-Chloro-3-methylphenol	ND< 10.0	N-Nitrosodiphenylamine	ND< 10.0
2,4-Dichlorophenol	ND< 10.0	Pentachlorophenol	ND< 25.0
2,6-Dichlorophenol	ND< 10.0	Anthracene	ND< 10.0
2,4-Dimethylphenol	ND< 10.0	Phenanthrene	ND< 10.0
Hexachlorobutadiene	ND< 10.0	Benzidine	ND< 25.0
Isophorone	ND< 10.0	Benzo (a) anthracene	ND< 10.0
2-Methylnapthalene	ND< 10.0	Bis (2-ethylhexyl) phthalate	ND< 10.0
Naphthalene	ND< 10.0	Butylbenzylphthalate	ND< 10.0
Nitrobenzene	ND< 10.0	Chrysene	ND< 10.0
2-Nitrophenol	ND< 10.0	3,3'-Dichlorobenzidine	ND< 10.0
1,2,4-Trichlorobenzene	ND< 10.0	Pyrene	ND< 10.0
2-Chloronaphthalene	ND< 10.0	Benzo (b) fluoranthene	ND< 10.0
Acenaphthene	ND< 10.0	Benzo (k) fluoranthene	ND< 10.0
Acenapthylene	ND< 10.0	Benzo (g,h,i) perylene	ND< 10.0
4-Chlorophenyl phenyl ether	ND< 10.0	Benzo (a) pyrene	ND< 10.0
Dibenzofuran	ND< 10.0	Dibenz (a,h) anthracene	ND< 10.0
Diethyl phthalate	ND< 10.0	Di-n-octylphthalate	ND< 10.0
Dimethyl phthalate	ND< 25.0	Indeno (1,2,3-cd) pyrene	ND< 10.0

Analytical Method: EPA 8270 **ELAP ID No: 10958**

Comments: ND denotes Not Detected

Approved By: _____
Laboratory Director

PARADIGM
Environmental Services, Inc.

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

Laboratory Analysis For Polychlorinated Biphenyls in Water

Client:	Leader Professional Services, Inc	**Lab Project No:**	01-2849
		Lab Sample No:	10310
Client Job Site:	RoCo, Ltd		
		Sample Type:	Water
Client Job No.:	147.007		
		Date Sampled:	11/14/01
Field Location:	GW-3	**Date Received:**	11/15/01
Field ID No.:	N/A	**Date Analyzed:**	11/20/01

Polychlorinated Biphenyl	Result (ug/L)	Reporting Limit (ug/L)
PCB 1016	ND	1.00
PCB 1221	ND	1.00
PCB 1232	ND	1.00
PCB 1242	ND	1.00
PCB 1248	ND	1.00
PCB 1254	ND	1.00
PCB 1260	ND	1.00

Analytical Method: EPA 8082 ELAP ID: 10958

Comments: ND denotes Not Detected.

Approved By: _____
Laboratory Director

File ID: 012849P1.XLS

PARADIGM
Environmental Services, Inc.

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

Pesticides in Water

Client:	**Leader Professional Services, Inc**	**Lab Project No:**	01-2849
		Lab Sample No:	10310
Client Job Site:	RoCo, Ltd		
		Sample Type:	Water
Client Job No:	N/A		
		Date Sampled:	11/13/01
Field Location:	GW-3	**Date Received:**	11/15/01
Field ID No:	N/A	**Date Analyzed:**	11/26/01

Parameter	Result (ug/L)	Reporting Limit (ug/L)
alpha-BHC	ND	0.10
gamma-BHC	ND	0.10
beta-BHC	ND	0.10
Heptachlor	ND	0.10
delta-BHC	ND	0.10
Aldrin	ND	0.10
Heptachlor Epoxide	ND	0.10
Chlordane	ND	0.10
Endosulfan I	ND	0.10
4,4'-DDE	ND	0.20
Dieldrin	ND	0.20
Endrin	ND	0.20
Endosulfan II	ND	0.20
4,4'-DDD	ND	0.20
Methoxychlor	ND	0.10
4,4'-DDT	ND	0.20
Endrin Aldehyde	ND	0.20
Endosulfan Sulfate	ND	0.20
Endrin Ketone	ND	0.10
Toxaphene	ND	2.00

Analytical Method: EPA 8081 ELAP ID: 10958

Comments: ND denotes Not Detected

Approved By: _____
Laboratory Director

File ID: 012849Q1.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (716) 647-2530 FAX (716) 647-3311

Client: Leader Professional Services, Inc.

Client Job Site: RoCo, Ltd.

Client Job No.: 147.007

Field Location: GW-3
Field ID No.: N/A

Lab Project No.: 01-2849
Lab Sample No.: 10310

Sample Type: Groundwater

Date Sampled: 11/13/2001
Date Received: 11/15/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Antimony	11/21/2001	EPA 6010	<0.060
Arsenic	11/20/2001	EPA 6010	0.048
Beryllium	11/20/2001	EPA 6010	<0.005
Cadmium	11/20/2001	EPA 6010	0.012
Chromium	11/20/2001	EPA 6010	0.516
Copper	11/20/2001	EPA 6010	0.434
Lead	11/20/2001	EPA 6010	0.135
Mercury	11/21/2001	EPA 7470	0.0005
Nickel	11/20/2001	EPA 6010	0.158
Selenium	11/20/2001	EPA 6010	<0.005
Silver	11/20/2001	EPA 6010	<0.010
Thallium	11/21/2001	EPA 6010	0.024
Zinc	11/20/2001	EPA 6010	1.91

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 012849

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Leader Professional Services
Client Job Site: RoCo, Ltd.
Client Job No: 147.007
Field Location: N/A
Field ID No: N/A

Lab Project No: 01-2757
Lab Sample No: Method Blank
Sample Type: Soil
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 11/12/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 5.00	Benzene	ND< 5.00
Bromomethane	ND< 5.00	Chlorobenzene	ND< 5.00
Bromoform	ND< 5.00	Ethylbenzene	ND< 5.00
Carbon tetrachloride	ND< 5.00	Toluene	ND< 5.00
Chloroethane	ND< 5.00	m,p - Xylene	ND< 5.00
Chloromethane	ND< 5.00	o - Xylene	ND< 5.00
2-Chloroethyl vinyl ether	ND< 5.00	Styrene	ND< 5.00
Chloroform	ND< 5.00		
Dibromochloromethane	ND< 5.00		
1,1-Dichloroethane	ND< 5.00		
1,2-Dichloroethane	ND< 5.00		
1,1-Dichloroethene	ND< 5.00		
cis-1,2-Dichloroethene	ND< 5.00		
trans-1,2-Dichloroethene	ND< 5.00	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 5.00	Acetone	ND< 25.0
cis-1,3-Dichloropropene	ND< 5.00	Vinyl acetate	ND< 12.5
trans-1,3-Dichloropropene	ND< 5.00	2-Butanone	ND< 12.5
Methylene chloride	ND< 12.5	4-Methyl-2-pentanone	ND< 12.5
1,1,2,2-Tetrachloroethane	ND< 5.00	2-Hexanone	ND< 12.5
Tetrachloroethene	ND< 5.00	Carbon disulfide	ND< 12.5
1,1,1-Trichloroethane	ND< 5.00		
1,1,2-Trichloroethane	ND< 5.00		
Trichloroethene	ND< 5.00		
Vinyl Chloride	ND< 5.00		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012757w9.xls

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Leader Professional Services
Client Job Site: RoCo, Ltd.
Client Job No: 147.007
Field Location: N/A
Field ID No: N/A

Lab Project No: 01-2757
Lab Sample No: Method Blank
Sample Type: Soil
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 11/13/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 5.00	Benzene	ND< 5.00
Bromomethane	ND< 5.00	Chlorobenzene	ND< 5.00
Bromoform	ND< 5.00	Ethylbenzene	ND< 5.00
Carbon tetrachloride	ND< 5.00	Toluene	ND< 5.00
Chloroethane	ND< 5.00	m,p - Xylene	ND< 5.00
Chloromethane	ND< 5.00	o - Xylene	ND< 5.00
2-Chloroethyl vinyl ether	ND< 5.00	Styrene	ND< 5.00
Chloroform	ND< 5.00		
Dibromochloromethane	ND< 5.00		
1,1-Dichloroethane	ND< 5.00		
1,2-Dichloroethane	ND< 5.00		
1,1-Dichloroethene	ND< 5.00		
cis-1,2-Dichloroethene	ND< 5.00		
trans-1,2-Dichloroethene	ND< 5.00	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 5.00	Acetone	ND< 25.0
cis-1,3-Dichloropropene	ND< 5.00	Vinyl acetate	ND< 12.5
trans-1,3-Dichloropropene	ND< 5.00	2-Butanone	ND< 12.5
Methylene chloride	ND< 12.5	4-Methyl-2-pentanone	ND< 12.5
1,1,2,2-Tetrachloroethane	ND< 5.00	2-Hexanone	ND< 12.5
Tetrachloroethene	ND< 5.00	Carbon disulfide	ND< 12.5
1,1,1-Trichloroethane	ND< 5.00		
1,1,2-Trichloroethane	ND< 5.00		
Trichloroethene	ND< 5.00		
Vinyl Chloride	ND< 5.00		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012757w0.xls

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

VOLATILES
LABORATORY CONTROL SAMPLE RECOVERY SUMMARY FORM
Soil Method

		Percent Recovery				
Lab Sample ID	Field Location	1,1-Dichloro ethene	Trichloro ethene	Benzene	Toluene	Chloro benzene
LCS	N/A	89	97	102	111	98
10015MS	GW-3 (10'-12')	82	NC	101	115	100
10015MSD	GW-3 (10'-12')	78	NC	96	110	99

Comments: NC denotes Not Calculated. Analyte present at high concentration in sample.

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

VOLATILES
LABORATORY CONTROL SAMPLE RECOVERY SUMMARY FORM
Soil Method

		Percent Recovery				
Lab Sample ID	Field Location	1,1-Dichloro ethene	Trichloro ethene	Benzene	Toluene	Chloro benzene
LCS	N/A	98.7	100	99.9	115	100
9756 MS	BH-7 (6'-8')	91.4	NC	100	123	95.4
9756 MSD	BH-7 (6'-8')	90.5	NC	97.9	128	93.4

Comments: NC denotes Non Calculatable. Analyte present in sample at high concentration.

PARADIGM

ENVIRONMENTAL SERVICES, INC.

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

SEMI-VOLATILES LABORATORY REPORT FOR SOIL/SOLIDS

Client:	Leader Professional Services, In	**Lab Project No.:**	01-2757
Client Job Site:	RoCo, Ltd	**Lab Sample No.:**	Method Blank
		Sample Type:	Soil
Client Job No.:	147-007	**Sample Date:**	N/A
Field Location:	N/A	**Date Received:**	N/A
Field ID No.:	N/A	**Date Analyzed:**	11/12/2001

COMPOUND	RESULT (ug/Kg)	COMPOUND	RESULT (ug/Kg)
Benzyl alcohol	ND< 714	2,4-Dinitrophenol	ND< 286
Bis (2-chloroethyl) ether	ND< 286	2,4-Dinitrotoluene	ND< 286
Bis (2-chloroisopropyl) ether	ND< 286	2,6-Dinitrotoluene	ND< 286
2-Chlorophenol	ND< 286	Fluorene	ND< 286
1,3-Dichlorobenzene	ND< 286	Hexachlorocyclopentadiene	ND< 286
1,4-Dichlorobenzene	ND< 286	2-Nitroaniline	ND< 714
1,2-Dichlorobenzene	ND< 286	3-Nitroaniline	ND< 714
Hexachloroethane	ND< 286	4-Nitroaniline	ND< 714
2-Methylphenol	ND< 286	4-Nitrophenol	ND< 714
4-Methylphenol	ND< 286	2,4,6-Trichlorophenol	ND< 286
N-Nitrosodimethylamine	ND< 286	2,4,5-Trichlorophenol	ND< 714
N-Nitroso-di-n-propylamine	ND< 286	4-Bromophenyl phenyl ether	ND< 286
Phenol	ND< 286	Di-n-butyl phthalate	ND< 286
Benzoic acid	ND< 714	4,6-Dinitro-2-methylphenol	ND< 714
Bis (2-chloroethoxy) methane	ND< 286	Fluoranthene	ND< 286
4-Chloroaniline	ND< 286	Hexachlorobenzene	ND< 286
4-Chloro-3-methylphenol	ND< 286	N-Nitrosodiphenylamine	ND< 286
2,4-Dichlorophenol	ND< 286	Pentachlorophenol	ND< 714
2,6-Dichlorophenol	ND< 286	Anthracene	ND< 286
2,4-Dimethylphenol	ND< 286	Phenanthrene	ND< 286
Hexachlorobutadiene	ND< 286	Benzidine	ND< 714
Isophorone	ND< 286	Benzo (a) anthracene	ND< 286
2-Methylnapthalene	ND< 286	Bis (2-ethylhexyl) phthalate	ND< 286
Naphthalene	ND< 286	Butylbenzylphthalate	ND< 286
Nitrobenzene	ND< 286	Chrysene	ND< 286
2-Nitrophenol	ND< 286	3,3'-Dichlorobenzidine	ND< 286
1,2,4-Trichlorobenzene	ND< 286	Pyrene	ND< 286
2-Chloronaphthalene	ND< 286	Benzo (b) fluoranthene	ND< 286
Acenaphthene	ND< 286	Benzo (k) fluoranthene	ND< 286
Acenapthylene	ND< 286	Benzo (g,h,i) perylene	ND< 286
4-Chlorophenyl phenyl ether	ND< 286	Benzo (a) pyrene	ND< 286
Dibenzofuran	ND< 286	Dibenz (a,h) anthracene	ND< 286
Diethyl phthalate	ND< 286	Di-n-octylphthalate	ND< 286
Dimethyl phthalate	ND< 714	Indeno (1,2,3-cd) pyrene	ND< 286

Analytical Method: EPA 8270 **ELAP ID No: 10958**

Comments: ND denotes Not Detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

SEMI-VOLATILES
LABORATORY CONTROL SAMPLE RECOVERY SUMMARY FORM
Soil Method

Percent Recovery

		Base-Neutrals						Acids				
Lab Sample ID	Field Location	Pyrene	1,4-Dichoro benzene	N-Nitroso-di-n-propylamine	1,2,4-Trichlo benzene	Acenaph thene	2,4-Dinitro toluene	2-Chloro phenol	Phenol	4-Chloro 3-methyl phenol	4-Nitro phenol	Penta chloro phenol
LCS	N/A	85	71	72	76	77	70	71	70	76	67	62
10015MS	GW-3 (10'-12')	91	75	79	78	82	77	78	75	86	76	59
10015MSD	GW-3 (10'-12')	73	63	64	66	67	58	63	61	70	54	43

PARADIGM
Environmental Services, Inc.

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

Polychlorinated Biphenyls Laboratory Analysis Report For Soil/Sludge/Oil

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2757
		Lab Sample No.:	Method Blank
Client Job Site:	RoCo, Ltd		
		Sample Type:	Soil
Client Job No.:	147.007		
		Date Sampled:	N/A
Field Location:	N/A	**Date Received:**	N/A
Field ID No:	N/A	**Date Analyzed:**	11/12/01

Polychlorinated Biphenyl	Result (mg/Kg)	Reporting Limit (mg/Kg)
PCB 1016	ND	0.50
PCB 1221	ND	0.50
PCB 1232	ND	0.50
PCB 1242	ND	0.50
PCB 1248	ND	0.50
PCB 1254	ND	0.50
PCB 1260	ND	0.50

Analytical Method: EPA 8082 ELAP ID No.: 10958

Comments: ND denotes Not Detected.

Approved By: _____
Laboratory Director

File ID: 012757P8.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

SEMI-VOLATILE PCB
SPIKE RECOVERY SUMMARY FORM
Soil Method

Lab Sample ID	Field Location	PCB Spike	Percent Recovery
LCS	N/A	1221	63
10015MS	GW-3 (10-12')	1221	70
10015MSD	GW-3 (10-12')	1221	66

Comments:

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Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Chlorinated Hydrocarbon Pesticides in Soil/Solid Waste

Client:	Leader Professional Service, Inc	**Lab Project No:**	01-2757
		Lab Sample No:	Method Blank
Client Job Site:	RoCo, Ltd	**Sample Type:**	Soil
Client Job No:	147-007	**Date Sampled:**	N/A
Field Location:	N/A	**Date Received:**	N/A
Field ID No:	N/A	**Date Analyzed:**	11/13/01

Parameter		Result (ug/Kg)
alpha-BHC	ND<	2.9
gamma-BHC	ND<	2.9
beta-BHC	ND<	2.9
Heptachlor	ND<	2.9
delta-BHC	ND<	2.9
Aldrin	ND<	2.9
Heptachlor Epoxide	ND<	2.9
Chlordane	ND<	29
Endosulfan I	ND<	2.9
4,4'-DDE	ND<	2.9
Dieldrin	ND<	2.9
Endrin	ND<	4.0
Endosulfan II	ND<	2.9
4,4'-DDD	ND<	2.9
Methoxychlor	ND<	2.9
4,4'-DDT	ND<	2.9
Endrin Aldehyde	ND<	2.9
Endosulfan Sulfate	ND<	2.9
Toxaphene	ND<	143

Analytical Method: EPA 8081 ELAP ID: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

File ID: 012757Q7.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

PESTICIDES
LABORATORY CONTROL SAMPLE RECOVERY SUMMARY FORM
Soil Method

		Percent Recovery					
Lab Sample ID	Field Location	g-BHC	Heptachlor	Aldrin	Dieldrin	Endrin	4,4-DDT
LCS	N/A	90	108	134	133	125	137
10015MS	GW-3 (10'-12')	17	46	60	33	38	45
10015MSD	GW-3 (10'-12')	42	83	104	73	84	92

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 (716) 647-2530 FAX (716) 647-3311

LABORATORY QUALITY CONTROL

Client: Leader Professional Services, Inc.

QC Type: Matrix Spike
Matrix: Soil
Sample No.: 10015

ANALYTE	Spike Added (ug/g)	Sample Amount (ug/g)	Spike Recovered (ug/g)	% Recovery
Antimony	228	<5.66	218	95.6
Arsenic	228	1.20	206	89.6
Beryllium	45.6	<0.472	40.8	89.4
Cadmium	91.2	<0.472	80.7	88.4
Chromium	228	8.43	213	89.4
Copper	228	8.54	226	95.3
Lead	228	3.02	209	90.3
Mercury	2.01	<0.0837	1.97	97.7
Nickel	456	<3.77	414	90.8
Selenium	228	<0.472	212	92.7
Silver	22.8	<0.942	22.3	97.6
Thallium	228	<0.566	209	91.6
Zinc	228	39.3	238	86.8

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179 Lake Avenue, Rochester, NY 14608 (716) 647-2530 FAX (716) 647-3311

LABORATORY QUALITY CONTROL
Metals

Client: Leader Professional Services, Inc.

QC Type: Sample Replicate
Matrix: Soil
Sample Number: 10015

Analyte	Result (ug/g)	Duplicate (ug/g)	% Difference
Antimony	<5.66	<5.66	NC
Arsenic	1.20	1.44	18.3
Beryllium	<0.472	<0.472	NC
Cadmium	<0.472	<0.472	NC
Chromium	8.43	8.21	2.6
Copper	8.54	8.62	0.9
Lead	3.02	3.05	1.1
Mercury	<0.0837	<0.0837	NC
Nickel	<3.77	<3.77	NC
Selenium	<0.472	<0.472	NC
Silver	<0.942	<0.942	NC
Thallium	<0.566	<0.566	NC
Zinc	39.3	40.4	3.0

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2677
Client Job Site:	Roco, Ltd	**Lab Sample No.:**	9759
Client Job No.:	147.007	**Sample Type:**	Water
Field Location:	Field Blank	**Date Sampled:**	10/25/01
		Date Received:	10/29/01
Field ID No.:	N/A	**Date Analyzed:**	11/01/01

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.00	Benzene	ND< 2.00
Bromomethane	ND< 2.00	Chlorobenzene	ND< 2.00
Bromoform	ND< 2.00	Ethylbenzene	ND< 2.00
Carbon tetrachloride	ND< 2.00	Toluene	ND< 2.00
Chloroethane	ND< 2.00	m,p - Xylene	ND< 2.00
Chloromethane	ND< 2.00	o - Xylene	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00	Styrene	ND< 2.00
Chloroform	2.94		
Dibromochloromethane	ND< 2.00		
1,1-Dichloroethane	ND< 2.00		
1,2-Dichloroethane	ND< 2.00		
1,1-Dichloroethene	ND< 2.00		
cis-1,2-Dichloroethene	ND< 2.00	Ketones & Misc.	
trans-1,2-Dichloroethene	ND< 2.00	Acetone	ND< 10.0
1,2-Dichloropropane	ND< 2.00	Vinyl acetate	ND< 5.00
cis-1,3-Dichloropropene	ND< 2.00	2-Butanone	ND< 5.00
trans-1,3-Dichloropropen	ND< 2.00	4-Methyl-2-pentanone	ND< 5.00
Methylene chloride	ND< 5.00	2-Hexanone	ND< 5.00
1,1,2,2-Tetrachloroethan	ND< 2.00	Carbon disulfide	ND< 5.00
Tetrachloroethene	ND< 2.00		
1,1,1-Trichloroethane	ND< 2.00		
1,1,2-Trichloroethane	ND< 2.00		
Trichloroethene	ND< 2.00		
Vinyl Chloride	ND< 2.00		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012677W2.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2677
Client Job Site:	Roco, Ltd	**Lab Sample No.:**	9758
Client Job No.:	147.007	**Sample Type:**	Water
Field Location:	Trip Blank	**Date Sampled:**	10/25/01
		Date Received:	10/29/01
Field ID No.:	N/A	**Date Analyzed:**	11/01/01

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	2.01	Benzene	ND< 2.00
Bromomethane	ND< 2.00	Chlorobenzene	ND< 2.00
Bromoform	ND< 2.00	Ethylbenzene	ND< 2.00
Carbon tetrachloride	ND< 2.00	Toluene	ND< 2.00
Chloroethane	ND< 2.00	m,p - Xylene	ND< 2.00
Chloromethane	ND< 2.00	o - Xylene	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00	Styrene	ND< 2.00
Chloroform	3.08		
Dibromochloromethane	ND< 2.00		
1,1-Dichloroethane	ND< 2.00		
1,2-Dichloroethane	ND< 2.00		
1,1-Dichloroethene	ND< 2.00		
cis-1,2-Dichloroethene	ND< 2.00	Ketones & Misc.	
trans-1,2-Dichloroethene	ND< 2.00	Acetone	ND< 10.0
1,2-Dichloropropane	ND< 2.00	Vinyl acetate	ND< 5.00
cis-1,3-Dichloropropene	ND< 2.00	2-Butanone	ND< 5.00
trans-1,3-Dichloropropen	ND< 2.00	4-Methyl-2-pentanone	ND< 5.00
Methylene chloride	ND< 5.00	2-Hexanone	ND< 5.00
1,1,2,2-Tetrachloroethan	ND< 2.00	Carbon disulfide	ND< 5.00
Tetrachloroethene	ND< 2.00		
1,1,1-Trichloroethane	ND< 2.00		
1,1,2-Trichloroethane	ND< 2.00		
Trichloroethene	ND< 2.00		
Vinyl Chloride	ND< 2.00		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012677W1.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Leader Professional Services	**Lab Project No.:**	01-2757
Client Job Site:	RoCo, Ltd.	**Lab Sample No.:**	10020
Client Job No.:	147.007	**Sample Type:**	Water
Field Location:	Trip Blank	**Date Sampled:**	11/01/01
		Date Received:	11/06/01
Field ID No.:	N/A	**Date Analyzed:**	11/13/01

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

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012757W7.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2822
Client Job Site:	RoCo, Ltd	**Lab Sample No.:**	10233
Client Job No.:	147.007	**Sample Type:**	Water
Field Location:	Trip Blank	**Date Sampled:**	11/09/01
		Date Received:	11/12/01
Field ID No.:	N/A	**Date Analyzed:**	11/15/01

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

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012822V6.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2822
Client Job Site:	RoCo, Ltd	**Lab Sample No.:**	10234
Client Job No.:	147.007	**Sample Type:**	Water
Field Location:	Field Blank	**Date Sampled:**	11/09/01
		Date Received:	11/12/01
Field ID No.:	N/A	**Date Analyzed:**	11/15/01

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

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012822V7.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2822
Client Job Site:	RoCo, Ltd	**Lab Sample No.:**	Method Blank
Client Job No.:	147.007	**Sample Type:**	Water
Field Location:	N/A	**Date Sampled:**	11/09/01
		Date Received:	11/12/01
Field ID No.:	N/A	**Date Analyzed:**	11/14/01

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

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012822V8.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Leader Professional Services, Inc	**Lab Project No.:**	01-2822
Client Job Site:	RoCo, Ltd	**Lab Sample No.:**	Method Blank
Client Job No.:	147.007	**Sample Type:**	Water
Field Location:	N/A	**Date Sampled:**	11/09/01
		Date Received:	11/12/01
Field ID No.:	N/A	**Date Analyzed:**	11/15/01

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

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

012822V9.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

VOLATILES
LABORATORY CONTROL SAMPLE RECOVERY SUMMARY FORM
Water Method

		Percent Recovery				
Lab Sample ID	Field Location	1,1-Dichloro ethene	Trichloro ethene	Benzene	Toluene	Chloro benzene
LCS	N/A	97	94	103	111	97
10232MS	GW-5	97	147	105	110	96
10232MSD	GW-5	94	104	109	113	100

PARADIGM

ENVIRONMENTAL SERVICES, INC.

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

SEMI-VOLATILES LABORATORY REPORT FOR WATERS

Client:	**Leader Professional Services, Inc**	**Lab Project No.:**	01-2849
Client Job Site:	RoCo, Ltd	**Lab Sample No.:**	Method Blank
		Sample Type:	Water
Client Job No.:	147.007		
		Sample Date:	N/A
Field Location:	N/A	**Date Received:**	N/A
Field ID No.:	N/A	**Date Analyzed:**	11/20/01

COMPOUND	RESULT (ug/l)	COMPOUND	RESULT (ug/l)
Benzyl alcohol	ND< 25.0	2,4-Dinitrophenol	ND< 10.0
Bis (2-chloroethyl) ether	ND< 10.0	2,4-Dinitrotoluene	ND< 10.0
Bis (2-chloroisopropyl) ether	ND< 10.0	2,6-Dinitrotoluene	ND< 10.0
2-Chlorophenol	ND< 10.0	Fluorene	ND< 10.0
1,3-Dichlorobenzene	ND< 10.0	Hexachlorocyclopentadiene	ND< 10.0
1,4-Dichlorobenzene	ND< 10.0	2-Nitroaniline	ND< 25.0
1,2-Dichlorobenzene	ND< 10.0	3-Nitroaniline	ND< 25.0
Hexachloroethane	ND< 10.0	4-Nitroaniline	ND< 25.0
2-Methylphenol	ND< 10.0	4-Nitrophenol	ND< 25.0
4-Methylphenol	ND< 10.0	2,4,6-Trichlorophenol	ND< 10.0
N-Nitrosodimethylamine	ND< 10.0	2,4,5-Trichlorophenol	ND< 25.0
N-Nitroso-di-n-propylamine	ND< 10.0	4-Bromophenyl phenyl ether	ND< 10.0
Phenol	ND< 10.0	Di-n-butyl phthalate	ND< 10.0
Benzoic acid	ND< 25.0	4,6-Dinitro-2-methylphenol	ND< 25.0
Bis (2-chloroethoxy) methane	ND< 10.0	Fluoranthene	ND< 10.0
4-Chloroaniline	ND< 10.0	Hexachlorobenzene	ND< 10.0
4-Chloro-3-methylphenol	ND< 10.0	N-Nitrosodiphenylamine	ND< 10.0
2,4-Dichlorophenol	ND< 10.0	Pentachlorophenol	ND< 25.0
2,6-Dichlorophenol	ND< 10.0	Anthracene	ND< 10.0
2,4-Dimethylphenol	ND< 10.0	Phenanthrene	ND< 10.0
Hexachlorobutadiene	ND< 10.0	Benzidine	ND< 25.0
Isophorone	ND< 10.0	Benzo (a) anthracene	ND< 10.0
2-Methylnapthalene	ND< 10.0	Bis (2-ethylhexyl) phthalate	ND< 10.0
Naphthalene	ND< 10.0	Butylbenzylphthalate	ND< 10.0
Nitrobenzene	ND< 10.0	Chrysene	ND< 10.0
2-Nitrophenol	ND< 10.0	3,3'-Dichlorobenzidine	ND< 10.0
1,2,4-Trichlorobenzene	ND< 10.0	Pyrene	ND< 10.0
2-Chloronaphthalene	ND< 10.0	Benzo (b) fluoranthene	ND< 10.0
Acenaphthene	ND< 10.0	Benzo (k) fluoranthene	ND< 10.0
Acenapthylene	ND< 10.0	Benzo (g,h,i) perylene	ND< 10.0
4-Chlorophenyl phenyl ether	ND< 10.0	Benzo (a) pyrene	ND< 10.0
Dibenzofuran	ND< 10.0	Dibenz (a,h) anthracene	ND< 10.0
Diethyl phthalate	ND< 10.0	Di-n-octylphthalate	ND< 10.0
Dimethyl phthalate	ND< 25.0	Indeno (1,2,3-cd) pyrene	ND< 10.0

Analytical Method: EPA 8270 **ELAP ID No: 10958**

Comments: ND denotes Not Detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

SEMI-VOLATILES
LABORATORY CONTROL SAMPLE RECOVERY SUMMARY FORM
Water Method

Percent Recovery

		Base-Neutrals						Acids				
Lab Sample ID	Field Location	Pyrene	1,4-Dichoro benzene	N-Nitroso-di-n-propylamine	1,2,4-Trichlo benzene	Acenaph thene	2,4-Dinitro toluene	2-Chloro phenol	Phenol	4-Chloro 3-methyl phenol	4-Nitro phenol	Penta chloro phenol
LCS	N/A	80	38	63	39	67	70	68	27	83	30	56
10310MS	GW-3	85	59	70	59	76	73	71	26	85	32	62
10310MSD	GW-3	79	54	66	55	74	65	68	39	87	32	64

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Laboratory Analysis For Polychlorinated Biphenyls in Water

Client:	Leader Professional Services, Inc	**Lab Project No:**	01-2849
		Lab Sample No:	Method Blank
Client Job Site:	RoCo, Ltd		
		Sample Type:	Water
Client Job No.:	147.007		
		Date Sampled:	N/A
Field Location:	N/A	**Date Received:**	N/A
Field ID No.:	N/A	**Date Analyzed:**	11/20/01

Polychlorinated Biphenyl	Result (ug/L)	Reporting Limit (ug/L)
PCB 1016	ND	1.00
PCB 1221	ND	1.00
PCB 1232	ND	1.00
PCB 1242	ND	1.00
PCB 1248	ND	1.00
PCB 1254	ND	1.00
PCB 1260	ND	1.00

Analytical Method: EPA 8082 ELAP ID: 10958

Comments: ND denotes Not Detected.

Approved By: _____
Laboratory Director

File ID: 012849P2.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

SEMI-VOLATILE PCB
SPIKE RECOVERY SUMMARY FORM
Water Method

Lab Sample ID	Field Location			PCB Spike	Percent Recovery
LCS	N/A			1221	62
10310MS	GW-3			1221	90
10310MSD	GW-3			1221	94

Comments:

PARADIGM
Environmental
Services, Inc.

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

Pesticides in Water

Client:	Leader Professional Services, Inc	**Lab Project No:**	01-2849
		Lab Sample No:	Method Blank
Client Job Site:	RoCo, Ltd		
		Sample Type:	Water
Client Job No:	N/A		
		Date Sampled:	N/A
Field Location:	N/A	**Date Received:**	N/A
Field ID No:	N/A	**Date Analyzed:**	11/26/01

Parameter	Result (ug/L)	Reporting Limit (ug/L)
alpha-BHC	ND	0.10
gamma-BHC	ND	0.10
beta-BHC	ND	0.10
Heptachlor	ND	0.10
delta-BHC	ND	0.10
Aldrin	ND	0.10
Heptachlor Epoxide	ND	0.10
Chlordane	ND	0.10
Endosulfan I	ND	0.10
4,4'-DDE	ND	0.20
Dieldrin	ND	0.20
Endrin	ND	0.20
Endosulfan II	ND	0.20
4,4'-DDD	ND	0.20
Methoxychlor	ND	0.10
4,4'-DDT	ND	0.20
Endrin Aldehyde	ND	0.20
Endosulfan Sulfate	ND	0.20
Endrin Ketone	ND	0.10
Toxaphene	ND	2.00

Analytical Method: EPA 8081 ELAP ID: 10958

Comments: ND denotes Not Detected

Approved By: _____
Laboratory Director

File ID: 012849Q2.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

PESTICIDES
LABORATORY CONTROL SAMPLE RECOVERY SUMMARY FORM
Water Method

Percent Recovery

Lab Sample ID	Field Location	Aldrin	g-BHC	4,4'-DDT	Dieldrin	Endrin	Heptachlor
LCS	N/A	112	152	128	134	138	128
10310MS	GW-3	80	64	66	54	62	92
10310MSD	GW-3	108	53	74	52	60	108

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (716) 647-2530 FAX (716) 647-3311

Client: Leader Professional Services, Inc.

Client Job Site: RoCo, Ltd.

Client Job No.: 147.007

Field Location: N/A
Field ID No.: N/A

Lab Project No. 01-2757
Lab Sample No. N/A

Sample Type: Method Blank

Date Sampled: N/A
Date Received: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	11/09/2001	SW846 6010	<6.00
Arsenic	11/09/2001	SW846 6010	<0.500
Beryllium	11/09/2001	SW846 6010	<0.500
Cadmium	11/09/2001	SW846 6010	<0.500
Chromium	11/09/2001	SW846 6010	<1.00
Copper	11/09/2001	SW846 6010	<1.00
Lead	11/09/2001	SW846 6010	<0.500
Mercury	11/13/2001	SW846 7471	<0.100
Nickel	11/09/2001	SW846 6010	<4.00
Selenium	11/09/2001	SW846 6010	<0.500
Silver	11/09/2001	SW846 6010	<1.00
Thallium	11/09/2001	SW846 6010	<0.600
Zinc	11/09/2001	SW846 6010	<2.00

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 012757

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (716) 647-2530 FAX (716) 647-3311

Client: Leader Professional Services, Inc.

Client Job Site: RoCo, Ltd.

Client Job No.: 147.007

Field Location: N/A
Field ID No.: N/A

Lab Project No.: 01-2849
Lab Sample No.: Method Blank

Sample Type: N/A

Date Sampled: N/A
Date Received: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Antimony	11/21/2001	EPA 6010	<0.060
Arsenic	11/20/2001	EPA 6010	<0.005
Beryllium	11/20/2001	EPA 6010	<0.005
Cadmium	11/20/2001	EPA 6010	<0.005
Chromium	11/20/2001	EPA 6010	<0.010
Copper	11/20/2001	EPA 6010	<0.010
Lead	11/20/2001	EPA 6010	<0.005
Mercury	11/21/2001	EPA 7470	<0.0002
Nickel	11/20/2001	EPA 6010	<0.040
Selenium	11/20/2001	EPA 6010	<0.005
Silver	11/20/2001	EPA 6010	<0.010
Thallium	11/21/2001	EPA 6010	<0.006
Zinc	11/20/2001	EPA 6010	<0.020

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 012849

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (716) 647-2530 FAX (716) 647-3311

LABORATORY QUALITY CONTROL

Client: Leader Professional Services, Inc.

QC Type: Matrix Spike
Matrix: Water
Sample No.: 10310

ANALYTE	Spike Added (mg/L)	Sample Amount (mg/L)	Spike Recovered (mg/L)	% Recovery
Antimony	2.50	<0.060	2.24	89.6
Arsenic	2.50	0.048	2.22	86.9
Beryllium	0.500	<0.005	0.413	82.6
Cadmium	1.00	0.012	0.813	80.1
Chromium	2.50	0.516	2.57	82.2
Copper	2.50	0.434	2.66	89.0
Lead	2.50	0.135	2.22	83.4
Mercury	0.0050	0.0005	0.00520	94.8
Nickel	5.00	0.158	4.20	80.8
Selenium	2.50	<0.005	2.15	87.6
Silver	0.250	<0.010	0.227	90.8
Thallium	2.50	0.024	2.12	83.8
Zinc	2.50	1.91	3.94	81.2

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 (716) 647-2530 FAX (716) 647-3311

LABORATORY QUALITY CONTROL
Metals

Client: Leader Professional Services, Inc.

QC Type: Sample Replicate
Matrix: Water
Sample Number: 10310

Analyte	Result (mg/L)	Duplicate (mg/L)	% Difference
Antimony	<0.060	<0.060	NC
Arsenic	0.048	0.053	9.6
Beryllium	<0.005	<0.005	NC
Cadmium	0.012	0.012	0
Chromium	0.516	0.523	1.3
Copper	0.434	0.431	0.8
Lead	0.135	0.138	2.0
Mercury	0.0005	0.0005	0
Nickel	0.158	0.159	0.8
Selenium	<0.005	<0.005	NC
Silver	<0.010	<0.010	NC
Thallium	0.024	0.025	4.1
Zinc	1.91	1.92	0.4

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 (716) 647-2530 FAX (716) 647-3311

LABORATORY QUALITY CONTROL
Metals

Client: Leader Professional Services, Inc.

QC Type: Sample Replicate
Matrix: Water
Sample Number: 10310

Analyte	Result (mg/L)	Duplicate (mg/L)	% Difference
Antimony	<0.060	<0.060	NC
Arsenic	0.048	0.053	9.6
Beryllium	<0.005	<0.005	NC
Cadmium	0.012	0.012	0
Chromium	0.516	0.523	1.3
Copper	0.434	0.431	0.8
Lead	0.135	0.138	2.0
Mercury	0.0005	0.0005	0
Nickel	0.158	0.159	0.8
Selenium	<0.005	<0.005	NC
Silver	<0.010	<0.010	NC
Thallium	0.024	0.025	4.1
Zinc	1.91	1.92	0.4

AD.GM.
IMENTAL
ES, INC.
ue
14608
• (800) 724-1997
-3311

CHAIN OF CUSTODY

REPORT TO:			INVOICE TO:			LAB PR
COMPANY			COMPANY			
ADDRESS			ADDRESS			
CITY	STATE	ZIP	CITY	STATE	ZIP	P.O. #
ATT.	PHONE#		ATT.	PHONE#		
TE NAME:	FAX#		FAX#			☐ ADDEND
	COMMENTS:					
			TURN AROUND TIME (WORKING DAYS)	☐ ONE ☐ THREE ☐ FIVE(STD) ☐ O		
			REPRESENTATIVE:			

TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	REQUESTED ANALYSIS												REMARKS	PARA LA SAM NUM
	X				1	X													
	X					X													
	X				1	X													
	X				5	X	X	X	X	X									
	X				1	X													
	X				1	X													
	X				1	[redacted]		X											
	X				1	X													
	X				5	X	X	X	X	X									
	X				1	X													
	X				1	X													
	X				2	X	X	X	X	X									

:	DATE/TIME	RECEIVED BY:	DATE/TIME	SAMPLE CONDITION	CHECK #	TO
:	DATE/TIME	RECEIVED BY:	DATE/TIME	CARRIER COMPANY	AIR BILL NO.	
:	DATE/TIME	RECEIVED @ LAB BY:	DATE/TIME	CARRIER PHONE #	DATE RESULTS REPORTED B	

WHITE COPY-SAMPLE YELLOW COPY-FILE PINK COPY-RELINQUISHER

DIGM
MENTAL
, INC.

608
300) 724-1997
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AME:

CHAIN OF CUSTODY

REPORT TO:

COMPANY:	
ADDRESS:	
CITY: STATE: ZIP:	
PHONE: FAX:	
ATTN:	
COMMENTS:	

INVOICE TO:

COMPANY:	
ADDRESS:	
CITY: STATE: ZIP:	
PHONE: FAX:	
ATTN:	

LAB PROJECT #:

TURNAROUND TIME: (WORK

1 2 3

REQUESTED ANALYSIS

TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS											REMARKS
	X		GW-2 (8'-10')	Soil	5	X	X	X	X	X						
	X		GW-3 (12'-14')	Soil	1	X										
	X		GW-4 (4'-8')	Soil	5	X	X	X	X	X						
	X		GW-5 (2-10')	Soil	5	X	X	X	X	X						
					2											

ONLY**

ION: Check box
ote deviation:

CONTAINER TYPE: PRESERVATIONS: HOLDING TIME: TEMPERATURE:

	Date/Time:	Relinquished By:	Date/Time:
	Date/Time:	Received By:	Date/Time:
	Date/Time:	Received @ Lab By:	Date/Time:

Total

P.I.F.

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ES, INC.
ie
14608
• (800) 724-1997
3311

CHAIN OF CUSTODY

REPORT TO:			INVOICE TO:			LAB PRO
COMPANY			COMPANY			
ADDRESS			ADDRESS			
CITY	STATE	ZIP	CITY	STATE	ZIP	P.O. #
ATT.	PHONE#		ATT.	PHONE#		
E NAME:	FAX#		FAX#			☐ ADDENDU
	COMMENTS:					
			TURN AROUND TIME (WORKING DAYS)	☐ ONE ☐ THREE ☒ FIVE(STD) ☐ OT		
			REPRESENTATIVE:			

TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	REQUESTED ANALYSIS	REMARKS	PARAD LAB SAMP NUME
					1			
					1			
					1			
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					1			
					1		+ MS/MSD	
					1			
		X			2			
					2			

DATE/TIME	RECEIVED BY:	DATE/TIME	SAMPLE CONDITION	CHECK #	TOTA
		08/01 4:10pm			
DATE/TIME	RECEIVED BY:	DATE/TIME	CARRIER COMPANY	AIR BILL NO.	P
DATE/TIME	RECEIVED @ LAB BY:	DATE/TIME	CARRIER PHONE #	DATE RESULTS REPORTED BY	

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ES, INC.
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CHAIN OF CUSTODY

REPORT TO:			INVOICE TO:			LAB PRO
COMPANY			COMPANY			
ADDRESS			ADDRESS			
CITY	STATE	ZIP	CITY	STATE	ZIP	P.O. #
ATT.	PHONE#		ATT.	PHONE#		
TE NAME:	FAX#		FAX#			☐ ADDEND
	COMMENTS:					
			TURN AROUND TIME (WORKING DAYS)			☐ ONE ☐ THREE ☐ FIVE(STD) ☐ OT
			REPRESENTATIVE:			

TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	REQUESTED ANALYSIS											REMARKS	PARA LA SAM NUM
					2	X												
	-				2	X												
	-				2	X												
	-				2	X												
	X		GW-		3	X												
					2	X												
					2	X												

	DATE/TIME	RECEIVED BY:	DATE/TIME	SAMPLE CONDITION	CHECK #	TOT
	DATE/TIME	RECEIVED BY:	DATE/TIME	CARRIER COMPANY	AIR BILL NO.	
	DATE/TIME	RECEIVED @ LAB BY:	DATE/TIME	CARRIER PHONE #	DATE RESULTS REPORTED BY	

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CHAIN OF CUSTODY

REPORT TO:			INVOICE TO:			LAB PRO
COMPANY			COMPANY			
ADDRESS			ADDRESS			
CITY	STATE	ZIP	CITY	STATE	ZIP	P.O. #
ATT.	PHONE#		ATT.	PHONE#		
TE NAME:	FAX#		FAX#			☐ ADDENDU
	COMMENTS:					
			TURN AROUND TIME (WORKING DAYS)	☐ ONE ☐ THREE ☐ FIVE(STD) ☐ OT		
			REPRESENTATIVE:			

TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	REQUESTED ANALYSIS											REMARKS	PARAM LA SAMI NUM

	DATE/TIME	RECEIVED BY:	DATE/TIME	SAMPLE CONDITION	CHECK #	TOT
	DATE/TIME	RECEIVED BY:	DATE/TIME	CARRIER COMPANY	AIR BILL NO.	P
	DATE/TIME	RECEIVED @ LAB BY:	DATE/TIME	CARRIER PHONE #	DATE RESULTS REPORTED BY	

WHITE COPY-SAMPLE YELLOW COPY-FILE PINK COPY-RELINQUISHER

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
Antonia C. Novello, M.D., M.P.H., Dr.P.H. Commissioner

Expires 12:01 AM April 01, 2002
Issued August 18, 2001

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BRUCE HOOGESTEGER
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER NY 14608 USA

NY Lab Id No: 10958
EPA Lab Code: NY01287

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Purgeable Halocarbons

1,1-Dichloroethane	SW-846 8260B
1,1-Dichloroethene	SW-846 8260B
1,2-Dichloroethane	SW-846 8260B
1,2-Dichloropropane	SW-846 8260B
2-Chloroethylvinyl ether	SW-846 8260B
Bromodichloromethane	SW-846 8260B
Bromoform	SW-846 8260B
Bromomethane	SW-846 8260B
Carbon tetrachloride	SW-846 8260B
Chloroethane	SW-846 8260B
Chloroform	SW-846 8260B
Chloromethane	SW-846 8260B
cis-1,3-Dichloropropene	Method Not Specified
Dibromochloromethane	SW-846 8260B
Dichlorodifluoromethane	SW-846 8260B
Methylene chloride	SW-846 8260B
Tetrachloroethene	SW-846 8260B
trans-1,3-Dichloropropene	Method Not Specified
Trichloroethene	SW-846 8260B
Trichlorofluoromethane	SW-846 8260B
Vinyl chloride	SW-846 8260B

Serial No.: 13210

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal and may be verified by calling (518)485-5570.

DOH-3317 (3/97)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
Antonia C. Novello, M.D., M.P.H., Dr.P.H. Commissioner

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ROCHESTER NY 14608 USA

NY Lab Id No: 10958
EPA Lab Code: NY01287

Is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Phthalate Esters	
Diethyl phthalate	SW-846 8270C
Dimethyl phthalate	SW-846 8270C
Di-n-butyl phthalate	SW-846 8270C
Di-n-octyl phthalate	SW-846 8270C
Polychlorinated Biphenyls	
PCB-1016	SW-846 8082
PCB-1221	SW-846 8082
PCB-1232	SW-846 8082
PCB-1242	SW-846 8082
PCB-1248	SW-846 8082
PCB-1254	SW-846 8082
PCB-1260	SW-846 8082
Polynuclear Aromatic Hydrocarbons	
Acenaphthylene	SW-846 8270C
Benzo(b)fluoranthene	SW-846 8270C
Benzo(ghi)perylene	SW-846 8270C
Chrysene	SW-846 8270C
Dibenzo(a,h)anthracene	SW-846 8270C
Fluorene	SW-846 8270C
Naphthalene	SW-846 8270C
Phenanthrene	SW-846 8270C
Priority Pollutant Phenols	
2,4,6-Trichlorophenol	SW-846 8270C

Priority Pollutant Phenols	
2,4-Dichlorophenol	SW-846 8270C
2,4-Dimethylphenol	SW-846 8270C
2,4-Dinitrophenol	SW-846 8270C
2-Chlorophenol	SW-846 8270C
2-Methyl-4,6-dinitrophenol	SW-846 8270C
2-Nitrophenol	SW-846 8270C
4-Chloro-3-methylphenol	SW-846 8270C
4-Nitrophenol	SW-846 8270C
Pentachlorophenol	SW-846 8270C
Phenol	SW-846 8270C

Serial No.: 13209

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DOH-3317 (3/97)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
Antonia C. Novello, M.D., M.P.H., Dr.P.H. Commissioner

Expires 12:01 AM April 01, 2002
Issued July 14, 2001
Revised August 18, 2001

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BRUCE HOOGESTEGER
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER NY 14608 USA

NY Lab Id No: 10958
EPA Lab Code: NY01287

Is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved subcategories and/or analytes are listed below:

Chlorinated Hydrocarbon Pesticides	
4,4-DDD	EPA 608
alpha-BHC	EPA 608
Dieldrin	EPA 608
Endosulfan I	EPA 608
Endosulfan sulfate	EPA 608
Endrin aldehyde	EPA 608
Heptachlor epoxide	EPA 608
Lindane	EPA 608
Toxaphene	EPA 608
Mineral	
Hardness, Total	Method Not Specified
Nitroaromatics and Isophorone	
Nitrobenzene	Method Not Specified
Polychlorinated Biphenyls	
PCB-1016	EPA 608
PCB-1221	EPA 608
PCB-1248	EPA 608
PCB-1254	EPA 608
Polynuclear Aromatics	
Acenaphthylene	EPA 625
Benzo(ghi)perylene	EPA 625
Benzo(k)fluoranthene	EPA 625
Polynuclear Aromatics	
Chrysene	EPA 610
	EPA 625
Dibenzo(a,h)anthracene	EPA 610
	EPA 625
Fluorene	EPA 610
	EPA 625
Naphthalene	EPA 610
	EPA 625
Phenanthrene	EPA 625
Priority Pollutant Phenols	
Phenol	Method Not Specified
Purgeable Aromatics	
1,2-Dichlorobenzene	EPA 601
	EPA 624
	EPA 625
1,4-Dichlorobenzene	EPA 601
	EPA 624
	EPA 625
Purgeable Halocarbons	
1,1,2-Trichloroethane	EPA 601
	EPA 624
1,1-Dichloroethane	EPA 601
	EPA 624

Serial No.: 13208

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DOH-3917 (3/97)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
Antonia C. Novello, M.D., M.P.H., Dr.P.H. Commissioner

Expires 12:01 AM April 01, 2002
Issued July 14, 2001
Revised August 18, 2001

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BRUCE HOOGESTEGER
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER NY 14608 USA

NY Lab Id No: 10958
EPA Lab Code: NY01287

Is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER All approved analytes are listed below:

Phthalate Esters	
Di-n-butyl phthalate	EPA 625
Di-n-octyl phthalate	EPA 625
Polychlorinated Biphenyls	
PCB-1232	EPA 608
PCB-1260	EPA 608
Polynuclear Aromatics	
Acenaphthene	EPA 625
Anthracene	EPA 625
Benzo(a)anthracene	EPA 610
	EPA 625
Benzo(a)pyrene	EPA 610
	EPA 625
Benzo(b)fluoranthene	EPA 625
Fluoranthene	EPA 610
	EPA 625
Indeno(1,2,3-cd)pyrene	EPA 610
	EPA 625
Pyrene	EPA 610
	EPA 625
Priority Pollutant Phenols	
2,4,5-Trichlorophenol	SW-846 8270C
2,4,6-Trichlorophenol	EPA 625
2,4-Dichlorophenol	EPA 625

Priority Pollutant Phenols	
2,4-Dimethylphenol	EPA 625
2,4-Dinitrophenol	EPA 625
2-Chlorophenol	EPA 625
2-Methyl-4,6-dinitrophenol	EPA 625
2-Nitrophenol	EPA 625
4-Chloro-3-methylphenol	EPA 625
4-Nitrophenol	EPA 625
Pentachlorophenol	EPA 625
Purgeable Aromatics	
1,3-Dichlorobenzene	EPA 601
	EPA 624
	EPA 625
Benzene	EPA 624
Chlorobenzene	EPA 601
	EPA 624
Ethyl benzene	EPA 624
Toluene	EPA 624
Total Xylenes	EPA 624
Purgeable Halocarbons	
1,1,1-Trichloroethane	EPA 601
	EPA 624
1,1,2,2-Tetrachloroethane	EPA 601
	EPA 624

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All approved analytes are listed below:

Benzidines	
Benzidine	EPA 625
Chlorinated Hydrocarbon Pesticides	
4,4 -DDE.	EPA 608
4,4 -DDT	EPA 608
Aldrin	EPA 608
beta-BHC	EPA 608
Chlordane Total	EPA 608
delta-BHC	EPA 608
Endosulfan II	EPA 608
Endrin	EPA 608
Heptachlor	EPA 608
Methoxychlor	SM18 6630B
Chlorinated Hydrocarbons	
1,2,4-Trichlorobenzene	EPA 625
2-Chloronaphthalene	EPA 625
Hexachlorobenzene	EPA 625
Hexachlorobutadiene	EPA 625
Hexachlorocyclopentadiene	EPA 625
Hexachloroethane	EPA 625
Chlorophenoxy Acid Pesticides	
2,4,5-T	EPA 1978. p.115
	.SM18 6640B
2,4,5-TP (Silvex)	EPA 1978, p.115
Chlorophenoxy Acid Pesticides	
2,4,5-TP (Silvex)	SM18 6640B
2,4-D	EPA 1978, p.115
Dicamba	EPA 1978, p.115
Haloethers	
4-Bromophenylphenyl ether	EPA 625
4-Chlorophenylphenyl ether	EPA 625
Bis (2-chloroisopropyl) ether	EPA 625
Bis(2-chloroethoxy)methane	EPA 625
Bis(2-chloroethyl)ether	EPA 625
Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 625
2,6-Dinitrotoluene	EPA 625
Isophorone	EPA 625
Nitrosoamines	
N-Nitrosodimethylamine	EPA 625
N-Nitrosodi-n-propylamine	EPA 625
N-Nitrosodiphenylamine	EPA 625
Phthalate Esters	
Benzyl butyl phthalate	EPA 625
Bis(2-ethylhexyl) phthalate	EPA 625
Diethyl phthalate	EPA 625
Dimethyl phthalate	EPA 625

Serial No.: 13207

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179 LAKE AVENUE
ROCHESTER NY 14608 USA

NY Lab Id No: 10958
EPA Lab Code: NY01287

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved subcategories and/or analytes are listed below:

Drinking Water Bacteriology	
Coliform, Total	Method Not Specified
Drinking Water Metals I	
Manganese, Total	Method Not Specified
Sodium, Total	Method Not Specified
Drinking Water Non-Metals	
Calcium Hardness	Method Not Specified

Serial No.: 13206

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ROCHESTER NY 14608 USA

NY Lab Id No: 10958
EPA Lab Code: NY01287

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Drinking Water Metals I	
Arsenic, Total	EPA 200.7
	EPA 200.9
Barium, Total	EPA 200.7
Cadmium, Total	EPA 200.7
	EPA 200.9
Chromium, Total	EPA 200.7
	EPA 200.9
Copper, Total	EPA 200.7
	EPA 200.9
Iron, Total	EPA 200.7
Lead, Total	EPA 200.9
Selenium, Total	EPA 200.9
Silver, Total	EPA 200.7
	EPA 200.9
Zinc, Total	EPA 200.7
Drinking Water Non-Metals	
Hydrogen Ion (pH)	EPA 150.1

Serial No.: 13205

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NEW YORK STATE DEPARTMENT OF HEALTH
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Expires 12:01 AM April 01, 2002
Issued August 16, 2001

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MR. BRUCE HOOGESTEGER
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER NY 14608 USA

NY Lab Id No: 10958
EPA Lab Code: NY01287

Is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:

Miscellaneous Air

Asbestos	YAMATE,AGARWAL GIBB
Fibers	Method Not Specified
	NIOSH 7400 A RULES

Serial No.: 13212

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DOH-3317 (3/97)

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MR. BRUCE HOOGESTEGER
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER NY 14608 USA

NY Lab Id No: 10958
EPA Lab Code: NY01287

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Chlorinated Hydrocarbon Pesticides	
4,4 -DDE	SW- 846 8081A
4,4 -DDT	SW- 846 8081A
Aldrin	SW- 846 8081A
beta-BHC	SW- 846 8081A
delta-BHC	SW- 846 8081A
Endosulfan II	SW- 846 8081A
Endrin	SW- 846 8081A
Heptachlor	SW- 846 8081A
Methoxychlor	SW- 846 8081A
Toxaphene	SW- 846 8081A
Metals II	
Chromium VI	Method Not Specified
Mercury, Total	SW846 7470A
	SW846 7471A
Miscellaneous	
Asbestos In Friable Material	EPA 600/M4/82/020
	Method Not Specified
Polynuclear Aromatic Hydrocarbons	
Acenaphthene	SW-846 8270C
Anthracene	SW-846 8270C
Benzo(a)anthracene	SW-846 8270C
Benzo(a)pyrene	SW-846 8270C
Fluoranthene	SW-846 8270C
Polynuclear Aromatic Hydrocarbons	
Indeno(1,2,3-cd)pyrene	SW-846 8270C
Pyrene	SW-846 8270C
Purgeable Aromatics	
1,2-Dichlorobenzene	SW-846 8021B
	SW-846 8260B
1,3-Dichlorobenzene	SW-846 8021B
	SW-846 8260B
1,4-Dichlorobenzene	SW-846 8021B
	SW-846 8260B
Benzene	SW-846 8021B
	SW-846 8260B
Chlorobenzene	SW-846 8021B
	SW-846 8260B
Ethyl benzene	SW-846 8021B
	SW-846 8260B
Toluene	SW-846 8021B
	SW-846 8260B
Total Xylenes	SW-846 8021B
	SW-846 8260B
Purgeable Halocarbons	
1,1,1-Trichloroethane	SW-846 8260B
1,1,2,2-Tetrachloroethane	SW-846 8260B
1,1,2-Trichloroethane	SW-846 8260B

Serial No.: 13210

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DOH-3317 (3/97)

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ROCHESTER NY 14608 USA

NY Lab Id No: 10958
EPA Lab Code: NY01287

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Characteristic Testing

Corrosivity	SW846 1110
Ignitability	SW846 1020
TCLP	FED REG 1311

Chlorinated Hydrocarbon Pesticides

4,4-DDD	SW-846 8081A
alpha-BHC	SW-846 8081A
Chlordane Total	SW-846 8081A
Dieldrin	SW-846 8081A
Endosulfan I	SW-846 8081A
Endosulfan sulfate	SW-846 8081A
Endrin aldehyde	SW-846 8081A
Heptachlor epoxide	SW-846 8081A
Lindane	SW-846 8081A

Chlorinated Hydrocarbons

1,2,4-Trichlorobenzene	SW-846 8270C
2-Chloronaphthalene	SW-846 8270C
Hexachlorobenzene	SW-846 8270C
Hexachlorobutadiene	SW-846 8270C
Hexachlorocyclopentadiene	SW-846 8270C
Hexachloroethane	SW-846 8270C

Haloethers

Bis (2-chloroisopropyl) ether	SW-846 8270C
Bis(2-chloroethoxy)methane	SW-846 8270C

Metals I

Barium, Total	SW-846 6010B
Cadmium, Total	SW-846 6010B
Chromium, Total	SW-846 6010B
Lead, Total	SW-846 6010B
Nickel, Total	SW-846 6010B
Silver, Total	SW-846 6010B

Metals II

Antimony, Total	SW-846 6010B
Arsenic, Total	SW-846 6010B
Selenium, Total	SW-846 6010B

Miscellaneous

Asbestos in Non-Friable Materi	ITEM 198.4 OF MANUAL
Lead In Paint	EPA 4.1.3
	SM18 3120B

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	SW-846 8270C
2,6-Dinitrotoluene	SW-846 8270C
Isophorone	CLP 95-2
Nitrobenzene	SW-846 8270C

Phthalate Esters

Benzyl butyl phthalate	SW-846 8270C
Bis(2-ethylhexyl) phthalate	SW-846 8270C

Serial No.: 13209

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DOH-3317 (3/97)

APPENDIX G: WELL DEVELOPMENT LOGS

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

Site Name: Jaeckle, Fleischmann & Mugel, LLP - RoCo, Ltd.
Developer: Karen C. Carlson
Development Date: November 8, 2001
Start Development: November 8, 2001

Project Number: 147.007
End Development: 11:40 AM

Well Number: **GW-1**

1. Total Casing and Screen Length (Feet): 14.14
2. Casing Interval Diameter (inches): 2
3. Water Level Below Top of Casing (Feet): 1.4
4. Volume of Water in Casing (Gallons): 13.91

(No.1) - (No.3) x (No.2)= One Well Volume (gal/ft): 13.91

3 Well Volumes: 41.74 gallons

WELL ID.	VOL. (GAL/FT)
1-inch	0.041
2-inch	0.163
3-inch	0.367
4-inch	0.653
5-inch	1.020
6-inch	1.469
8-inch	2.611

	Accumulated Volume Purged (Gallons)									
Parameters	11:15 AM									
pH (meter/litmus)	9.86/7.5									
Conductivity (umhos)	88									
Turbidity (NTU)	NM									
Temperature °C	20.3									
Eh	NM									
Time	11:40 AM									

Comments: Well purged dry after bailing approximately 3-gallons of water.
NM=Not Measured.

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

Site Name: Jaeckle, Fleischmann & Mugel, LLP - RoCo, Ltd.
Developer: Karen C. Carlson
Development Date: November 8, 2001
Start Development: November 8, 2001

Project Number: 147.007
End Development: 12:00 PM

Well Number: **GW-2**

1. Total Casing and Screen Length (Feet):	13.66
2. Casing Interval Diameter (inches):	2
3. Water Level Below Top of Casing (Feet):	1.28
4. Volume of Water in Casing (Gallons):	13.45
(No.1) - (No.3) x (No.2)= One Well Volume (gal/ft):	13.45

3 Well Volumes: 40.35 gallons

WELL ID.	VOL. (GAL/FT)
1-inch	0.041
2-inch	0.163
3-inch	0.367
4-inch	0.653
5-inch	1.020
6-inch	1.469
8-inch	2.611

	Accumulated Volume Purged (Gallons)										
Parameters	11:45 AM										
pH (meter/litmus)	9.02/7.5										
Conductivity (umhos)	202										
Turbidity (NTU)	NM										
Temperature °C	19.5										
Eh	NM										
Time	12:00 PM										

Comments: Well purged dry after bailing approximately 3.5-gallons of water.
NM=Not Measured.

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

Site Name: Jaeckle, Fleischmann & Mugel, LLP - RoCo, Ltd.
Developer: Karen C. Carlson
Development Date: November 8, 2001
Start Development: November 8, 2001

Project Number: 147.007
End Development: 11:40 AM

Well Number: **GW-3**

1. Total Casing and Screen Length (Feet):	13.86
2. Casing Interval Diameter (inches):	2
3. Water Level Below Top of Casing (Feet):	2.83
4. Volume of Water in Casing (Gallons):	13.40
(No.1) - (No.3) x (No.2)= One Well Volume (gal/ft):	13.40

3 Well Volumes: 40.20 gallons

WELL ID.	VOL. (GAL/FT)
1-inch	0.041
2-inch	0.163
3-inch	0.367
4-inch	0.653
5-inch	1.020
6-inch	1.469
8-inch	2.611

	Accumulated Volume Purged (Gallons)										
Parameters	12:40 PM										
pH (meter/litmus)	9.74/4.0										
Conductivity (umhos)	132										
Turbidity (NTU)	NM										
Temperature °C	18.3										
Eh	NM										
Time	1:10 PM										

Comments: Well purged dry after bailing approximately 3-gallons of water.
NM=Not Measured.

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

Site Name: Jaeckle, Fleischmann & Mugel, LLP - RoCo, Ltd.
Project Number: 147.007
Developer: Karen C. Carlson
Development Date: November 8, 2001
Start Development: November 8, 2001
End Development: 12:10 PM

Well Number: **GW-4**

1. Total Casing and Screen Length (Feet): 13.59
2. Casing Interval Diameter (inches): 2
3. Water Level Below Top of Casing (Feet): 3.3
4. Volume of Water in Casing (Gallons): 13.05

(No.1) - (No.3) x (No.2)= One Well Volume (gal/ft): 13.05

3 Well Volumes: 39.16 gallons

WELL ID.	VOL. (GAL/FT)
1-inch	0.041
2-inch	0.163
3-inch	0.367
4-inch	0.653
5-inch	1.020
6-inch	1.469
8-inch	2.611

	Accumulated Volume Purged (Gallons)										
Parameters	12:15 PM										
pH (meter/litmus)	9.39/4.5										
Conductivity (umhos)	170										
Turbidity (NTU)	NM										
Temperature °C	21.1										
Eh	NM										
Time	12:35 PM										

Comments: Well purged dry after bailing approximately 3-gallons of water.
NM=Not Measured.

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

Site Name:	Jaeckle, Fleischmann & Mugel, LLP - RoCo, Ltd.	Project Number:	147.007
Developer:	Karen C. Carlson		
Development Date:	November 8, 2001		
Start Development:	November 8, 2001	End Development:	11:00 AM

Well Number: **GW-5**

1. Total Casing and Screen Length (Feet):	17.61
2. Casing Interval Diameter (inches):	2
3. Water Level Below Top of Casing (Feet):	13.51
4. Volume of Water in Casing (Gallons):	15.41
(No.1) - (No.3) x (No.2)= One Well Volume (gal/ft):	15.41

WELL ID.	VOL. (GAL/FT)
1-inch	0.041
2-inch	0.163
3-inch	0.367
4-inch	0.653
5-inch	1.020
6-inch	1.469
8-inch	2.611

3 Well Volumes: 46.22 gallons

	Accumulated Volume Purged (Gallons)									
Parameters	10:30 AM									
pH (meter/litmus)	10.0/4.5									
Conductivity (umhos)	85									
Turbidity (NTU)	NM									
Temperature °C	24.2									
Eh	MN									
Time	11:00 AM									

Comments: Well purged dry after bailing approximately 2-gallons of water.
NM=Not Measured.

APPENDIX H: DATA USABILITY REPORT

Data Usability Summary Report

Overall Summary

Review has been completed for the data packages generated by Paradigm Environmental, Inc., pertaining to samples collected at the RoCo Site. Twenty-five (25) soils and five (5) aqueous field samples were collected over the period October 25, 2001 through November 9, 2001. These samples were analyzed for TCL Volatiles. Six (6) of the soil samples and one of the aqueous samples were analyzed for TCL Semi-Volatiles, Priority Pollutant Metals, PCBs, and Pesticides by the following USEPA Methodology:

TCL Volatilies	USEPA Method 8260;
TCL Semi-Volatiles	USEPA Method 8270;
Priority Pollutant Metals	USEPA Method SW846-6010 and 7471for Mercury;
PCBs	USEPA Method 8082; and
Pesticides	USEPA Method 8081.

Equipment rinses, method blanks, trip blanks, and matrix spikes/duplicates were also processed. Samples were collected and received on the following schedule:

Date Collected	Date Received by Paradigm's Buffalo Office	Date Received by Paradigm's Rochester Laboratory	Sample Condition (Temperature)
10/25/01	10/26/01	10/29/01	11°C (iced)
11/9/01	11/9/01	11/12/01	8°C (iced)
11/1/01 & 11/2/01	11/5/01	11/6/01	5°C (iced)

Data usability was performed with guidance from the most current editions of the USEPA CLP National Functional Guidelines for Organic and Inorganic Data Review. The following items were reviewed:

- Data Completeness;
- Custody Documentation;
- Holding Times;
- Sample Blanks Review;
- Field Duplicate Samples; and
- Control Spike/Laboratory Control Samples.

Those items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned usability procedures, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the reported data, and generated in compliance with protocol requirements.

In summary, sample processing was conducted with compliance to protocol requirements and with adherence to quality criteria, and the reported results are usable. One Sample cooler associated with the nine (9) soil samples collected on October 25, 2001 was received one day after sample collection at an elevated temperature (11°C). Therefore losses affecting volatile analyte concentrations may have occurred, and results are therefore qualified as estimated, with a possible low bias. However, it is noted that elevated temperature does not necessarily imply loss of components. Samples are, in fact, warmed to ambient temperature prior to analysis. Therefore, the nine (9) soil samples were allowed to reach ambient temperature prior to analysis and no data correction was necessary. A compliance chart is also included with this report.

Data Completeness

The goal of 95 percent completeness for this project was obtained.

Volatile Analysis by USEPA 8260

Bromodichloromethane and chloroform were found in the 10/25/01 Trip Blank at levels slightly above the Method Detection Limit. Chloroform was also found in the 10/25/01 Field Blank at a level slightly above the Method Detection Limit. These samples were taken from distilled water purchased at a Wal-Mart Store near the site. These analytes are typical compounds found in drinking water. Therefore, it is surmised that the analytes were contaminants in the purchased water. Because the volatile compounds found in the Trip Blank and Field Blank were not found in the actual samples, no corrected action is required. The following information outlines the blank sample results:

Sample	*Analyte*	*Result*	*Method Detection Limit*
Trip Blank	Bromodichloromethane	2.01 µg/l	2.00 µg/l
	Chloroform	3.08 µg/l	2.00 µg/l
Field Blank	Chloroform	2.94 µg/l	2.00 µg/l

There were no detections found in the subsequent Trip Blanks, Field Blanks, and Method Blanks. The Laboratory Control Samples (LCS) and the Matrix Spikes/Duplicates showed acceptable accuracy and precision.

Reported results appeared to be generated in compliance with required protocols.

Semi-Volatile Analyses by USEPA Method 8270

There were no detection of semi-volatiles associated method blanks; however, the level of bis (2-ethyl hexyl) phthalate found in Sample BH-11 (8'-10') is typical of laboratory contamination. This detected result should be used with caution. Laboratory Control Samples (LCS) and the Matrix Spikes/Duplicates showed acceptable accuracy and precision.

Reported results appeared to be generated in compliance with required protocols.

Pesticide Analyses by USEPA Method 8081

There were no detections of pesticides found in the Method Blanks. Laboratory Control Samples (LCS) and the Matrix Spikes/Duplicates showed acceptable accuracy and precision.

Reported results, which are non-detection, appeared to be generated in compliance with required protocols.

PCB Analyses by USEPA Method 8082

There were no detections for PCBs found in the Method Blanks. Laboratory Control Samples (LCS) and the Matrix Spikes/Duplicates showed acceptable accuracy and precision.

Reported results, which are non-detection, appeared to be generated in compliance with required protocols.

Metals Analyses by USEPA Methods 6000/7000

There were no detections of metals found in the Method Blank. The Matrix Spike and Field Duplicate samples showed acceptable accuracy, precision, and correlation.

Reported results appeared to be generated in compliance with required protocols.

Compliance Chart

RoCo, Ltd. Site

Date Received	Sample ID	Matrix	TCL Volatiles	TCL Semi-Volatiles	PP Metals	Pesticides	PCBs
10/26/01	BH-1 (8'-10')	Soil	OK	OK	OK	OK	OK
10/26/01	BH-2 (8'-10')	Soil	OK	OK	OK	OK	OK
10/26/01	BH-3 (8'-10')	Soil	OK	OK	OK	OK	OK
10/26/01	BH-4 (0'-2')	Soil	OK	OK	OK	OK	OK
10/26/01	BH-4 (8'-10')	Soil	OK	OK	OK	OK	OK
10/26/01	BH-5 (8'-10')	Soil	OK	OK	OK	OK	OK
10/26/01	BH-6 (8'-10')	Soil	OK	OK	OK	OK	OK
10/26/01	BH-7 (6'-8')	Soil	OK	OK	OK	OK	OK
10/26/01	BH-7 (8'-10')	Soil	OK	OK	OK	OK	OK
10/26/01	Trip Blank	Water	OK	OK	OK	OK	OK
10/26/01	Field Blank	Water	OK	OK	OK	OK	OK
11/6/01	BH-3 (8'-10')	Soil	OK	OK	OK	OK	OK
11/6/01	BH-9 (6'-8')	Soil	OK	OK	OK	OK	OK
11/6/01	BH-10 (8'-10')	Soil	OK	OK	OK	OK	OK
11/6/01	BH-11 (8'-10')	Soil	OK	OK	OK	OK	OK
11/6/01	BH-12 (8'-10')	Soil	OK	OK	OK	OK	OK
11/6/01	BH-13 (8'-10')	Soil	OK	OK	OK	OK	OK
11/6/01	BH-13 (2'-4')	Soil	OK	OK	OK	OK	OK
11/6/01	BH-14 (8'-10')	Soil	OK	OK	OK	OK	OK
11/6/01	GW-1 (8'-10')	Soil	OK	OK	OK	OK	OK
11/6/01	GW-3 (2'-4')	Soil	OK	OK	OK	OK	OK
11/6/01	GW-3 (6'-8')	Soil	OK	OK	OK	OK	OK
11/6/01	GW-3 (10'-12')	Soil	OK	OK	OK	OK	OK
11/6/01	GW-2 (8'-10')	Soil	OK	OK	OK	OK	OK
11/6/01	GW-3 (16'-18')	Soil	OK	OK	OK	OK	OK
11/6/01	GW-4 (6'-8')	Soil	OK	OK	OK	OK	OK
11/6/01	GW-5 (8'-10')	Soil	OK	OK	OK	OK	OK
11/6/01	Trip Blank	Water	OK	OK	OK	OK	OK
11/9/01	GW-1	Water	OK	OK	OK	OK	OK
11/9/01	GW-2	Water	OK	OK	OK	OK	OK
11/9/01	GW-3	Water	OK	OK	OK	OK	OK
11/9/01	GW-4	Water	OK	OK	OK	OK	OK
11/9/01	GW-5	Water	OK	OK	OK	OK	OK
11/9/01	Trip Blank	Water	OK	OK	OK	OK	OK
11/9/01	Field Blank	Water	OK	OK	OK	OK	OK