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VOLUNTARY CLEANUP PROGRAM SUPPLEMENTAL SITE INVESTIGATION, BIOREMEDIATION PILOT STUDY REPORT AND REMEDIAL ACTION PLAN

ROCO, LTD SITE
1746 DALE ROAD
CHEEKTOWAGA, NEW YORK

Prepared For:

Jaeckle, Fleischmann & Mugel, LLP
Fleet Bank Building
Twelve Fountain Plaza
Buffalo, New York 14202-2292

Prepared By:

Leader Professional Services, Inc.
2300 Wehrle Drive
Williamsville, New York 14221

October 13, 2003

Project No. 147.007

LEADER

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1. INTRODUCTION

Leader Professional Services, Inc. ("Leader") was retained by Jaeckle, Fleischmann & Mugel, LLP ("JFM") to complete a Supplemental Site Investigation ("SSI"), a Bioremediation Pilot Study ("BPS") and a Remedial Action Plan ("RAP") 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 (see Appendix A). Figure 2 is a Site Plan that depicts the Site's layout and building locations.

1.1 Background

Leader completed a Voluntary Cleanup Program Site Investigation/Remedial Alternatives Report in March 2002. Based on this report and previous on-Site studies, chlorinated organic compounds (e.g., primarily trichloroethene ["TCE"] and cis-1,2-Dichloroethene ["cis-DCE"]) were detected in subsurface soil samples from the Site and the adjoining properties to the west, Upstate Farms Cooperative, Inc. and to the north, Davis Electrical Supply. Additional Site background information is included in Leader's March 11, 2002 report entitled, "Voluntary Cleanup Program Site Investigation/Remedial Alternatives Report".

1.2 Purpose

The purpose of the SSI was to further delineate the extent of contamination in soil and groundwater to the west on the Upstate Farms Cooperative, Inc. property and to the north on the Davis Electrical Supply property.

The purpose of the BPS was to evaluate the effectiveness of Hydrogen Release Compound ("HRC®") to enhance the natural biodegradation of chlorinated solvents in the on-Site groundwater.

1.2 Scope of Work

The SSI and BPS consisted of the following tasks:

- Leader initially prepared and submitted an addendum to the Voluntary Cleanup Program Site Investigation/Remedial Alternatives Work Plan for the SSI and BPS at the Site;
- International Waste Removal, Inc. ("IWR") was mobilized to the Site July 10, 2002 and HRC was injected into eight injection points;
- Three (3) additional test borings were installed in the parking area of Davis Electrical Supply, located north of the Site, and two additional monitoring wells were installed on the Upstate Farms Cooperative, Inc. property, located west of the Site;
- For the first six (6) months following the injection of the HRC, Leader monitored GW-3 for reduction/oxidation potential ("Redox") and Volatile Organic Compounds ("VOCs"). Groundwater samples were collected from GW-4 in the fifth and sixth months following HRC injection to monitor biodegradation at the perimeter of the study area;
- An April 25, 2003 addendum to the BPS was submitted and approved by NYSDEC. This addendum involved the extension of the monitoring period through June 2003; and
- This written report was prepared relating the findings of the SSI/BPS.

2. FIELD ACTIVITIES

2.1 Supplemental Site Investigation

Leader retained IWR to provide a Geoprobe unit to the Site for the purpose of test boring/monitoring well installation and soil sampling on July 10, 2002. Two monitoring wells were installed on the adjoining property to the west, the Upstate Farms Cooperative, Inc. property, and three Geoprobe borings were completed on the adjoining property to the north, the Davis Electrical Supply.

2.1.1 Test Boring/Monitoring Installations

Three (3) Geoprobe borings (BH-15, BH-16 and BH-17) were completed on the Davis Electrical Supply property to the north. Figure 2 shows the locations of the Geoprobe borings. These borings were advanced to depths ranging from approximately ten (10) feet to fifteen (15) feet below ground surface using a track-mounted Geoprobe unit.

Two (2) Geoprobe borings (GW-6 and GW-7) were converted into groundwater monitoring wells upon completion. GW-6 and GW-7 are located west of the Site on the Upstate Farms Cooperative, Inc. property (see Figure 2).

A 2-inch diameter, schedule 40, 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 placed 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.

2.1.2 Soil Sampling and Testing

Acetate liners were inserted into four-foot long micro-tip sampling devices to collect soil samples from the five (5) test boring/monitoring wells. Approximately 4 samples were collected in each boring at depths of 0-4 feet, 4-8 feet, 8-12 feet, and 12-16 feet. 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. 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 B – Test Boring/Monitoring Well Logs). A soil sample from each bore hole was placed in a clean sample jar. Soil waste produced during the soil boring activities was placed back in the bore hole it originated from. Stained soil and soil with elevated PID measurements that was not chosen for sampling, was containerized for off-Site disposal to an appropriate disposal or treatment facility.

Approximately 3 soil samples (i.e., one each from BH-15, BH-16 and BH-17) were selected for TCL VOC analysis using USEPA Method 8260. The samples were sent to Paradigm Environmental Laboratories in Rochester, New York using appropriate chain of custody procedures.

A Matrix Spike and Matrix Spike Duplicate were collected from BH-16 in accordance with the Site-specific QA/QC Plan (see Leader's report dated March 11, 2002 "Voluntary Cleanup Program Site Investigation/Remedial Alternatives Report").

2.1.3 Groundwater Sampling and Testing

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-6 and GW-7 were evacuated on July 15, 2002 (see Appendix C – Well Development Logs).

Field samples were collected in accordance with the Site-specific QA/QC Plan on July 16, 2002. Samples were collected using dedicated 1 ½-inch diameter PVC bailers to prevent cross-contamination. Groundwater samples from GW-6 and GW-7 were submitted for analyses for TCL VOC analysis USEPA Method 8260.

2.1.4 Surveying

On October 15, 2002, the elevations of the monitoring wells GW-6 and GW-7 were surveyed relative to an existing known monitoring point using a Topcon AT-G6 auto-level instrument. The elevations were referenced to NAVD 88.

2.1.5 Groundwater Elevation Measurements

Following surveying of the monitoring well locations, the depth to groundwater was then measured in each well, using a Solinist water level indicator. Water level measurements were collected monthly throughout the subsequent monitoring period to the nearest hundredth of a foot. These data are included on Figure 3 in Appendix A. Due to accessibility issues, not all monitoring well elevations could be obtained during each monitoring event.

The groundwater elevations measured on August 30, 2002, September 23, 2002, October 24, 2002 April 15, 2003, May 29, 2003 and June 27, 2003 were plotted on a Site map (see Appendix A – Figures 4 through 9 Groundwater Contour Maps). Linear interpolation methods were used to approximate the groundwater contours.

2.2 Pilot Study Field Activities

The Pilot Study involved the addition of HRC to enhance the natural biodegradation of the chlorinated solvent compounds. This technology appeared 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 was established in the area with the highest levels of contamination (see Appendix A – Figure 10). HRC was injected into the subsurface soil and groundwater was monitored for eleven (11) months to evaluate the concentrations of the water quality over time.

2.2.1 HRC Injection Activities

Leader retained IWR to provide a Geoprobe unit to the Site for one day of HRC injections into the subsurface soil at the Site. IWR mobilized the following equipment to the Site: 1) a pump crew; 2) a track unit; and 3) a core drill. On July 11, 2002, the injection points were drilled and approximately 540 pounds of HRC was injected into eight (8) points throughout the Pilot Study area.

A core drill was used for each interior injection point to core through the concrete floor within the building structure. The Geoprobe unit was used to bore to the desired depth. The pump was then attached to the Geoprobe unit and the HRC was injected into the ground under 2,000-pounds per square-inch of pressure. The HRC was poured through a screen into a pump unit for injection. The screen was used to prevent solidified clumps of HRC from clogging the pump unit. After completion of the injections, each point was covered and sealed with asphalt.

The number of injection points and the pounds of HRC to be applied at each point were estimated by Regenesis (i.e, the HRC Supplier), based on the level of contamination in the Pilot Study area. Three (3) injection points (IP-1, IP-2, and IP-3) were completed north of the Site in the driveway of the Davis Electrical Supply. Two (2) injection points (IP-4 and IP-5) were completed west of the Site on the Upstate Farms Cooperative, Inc. property. Three (3) injection points (IP-6, IP-7, and IP-9) were completed within the interior of the Site building in the northwest corner. Injection point IP-7 would not accept more than 30-lbs of HRC. Based on this refusal, injection point IP-8 was eliminated and additional HRC was applied to injection points IP-4, IP-5 and IP-9. Table 1 shows the injection points and the corresponding amounts of HRC injected at each location (see Appendix D).

2.2.2 Groundwater Monitoring

Groundwater monitoring was conducted for eleven (11) months following the injection of HRC into the subsurface soils. The following sections summarize the monitoring program.

2.2.2.1 Reduction/Oxidation Measurements

Reduction/Oxidation ("Redox") measurements were obtained from September 2002 through February 2003 and in June 2003 for the interior monitoring well GW-3; from January 2003 through February 2003 and in June 2003 for the exterior monitoring well GW-4 and in June 2003 for exterior monitoring well GW-7 (see Figure 11 – Reduction/Oxidation Measurements). Measurements were taken to the nearest 1.0 mV using an ORPTestr™ reduction/oxidation meter.

2.2.2.2 Groundwater Sampling and Testing Program

Monthly groundwater samples were obtained from September 2002 through February 2003 and in June 2003 for the interior monitoring well GW-3; from January 2003 through February 2003 and in June 2003 for the exterior monitoring well GW-4 and in June 2003 for exterior monitoring well GW-7 (see Appendix A – Figure 3 – Groundwater Elevations).

Groundwater samples were submitted for analyses for TCL VOCs analysis using USEPA Method 8260 from September 2002 through February 2003 and in June 2003. To assess the degree of bioremediation activity in the areas of GW-3 and GW-4, three (3) additional analyses were added to the groundwater sampling program including Total Organic Carbon ("TOC"), Dissolved Iron, and Sulfate.

In February 2003, the data were evaluated and the final BPS sampling event was scheduled for June 2003. In June 2003, groundwater samples from monitoring wells GW-3, GW-4 and GW-7 were submitted for VOC analyses. Monitoring well GW-7 was included to evaluate the effects of HRC on the contamination levels at the perimeter of the area of concern.

At the request of the NYSDEC, an additional groundwater sample was collected from GW-5 on September 10, 2003. This monitoring well was re-developed on September 9, 2003 in accordance with the QA/QC Plan.

3. RESULTS

3.1 Subsurface Soil Testing Results

Chlorinated solvents were detected in the soil samples collected from bore holes BH-16 (4'-6') and BH-17 (8'-10'). These borings were located north of the Site in the Davis Electrical Supply driveway. No VOCs were detected in BH-15 (2'-4') (see Appendix D – Table 2 – Soil Analysis for Volatile Organic Compounds).

Cis-1,2-dichloroethene was detected in soil samples BH-16 (4'-6') [609 PPB] and BH-17 (8'-10') [122 PPB]. A NYSDEC soil cleanup objective is not available for this compound.

Trichloroethene was detected in the soil samples BH-16 (4'-6') [800 PPB] and BH-17 (8'-10') [41.8 PPB]. The NYSDEC soil cleanup objective for trichloroethene is 700 PPB. Boring hole BH-16 (4'-6') had a concentration slightly exceeding this standard.

3.2 Groundwater Testing Results

Groundwater samples from monitoring wells GW-3, GW-4 and GW-7 were submitted for analyses for TCL VOC analysis using USEPA Method 8260 (see Table 3 – Groundwater Analysis for Volatile Organic Compounds), TOC, Dissolved Iron, and Sulfate (see Table 4 – Groundwater Analysis). Below is a narrative summary of the analytes detected.

As shown on Table 3, two (2) compounds were detected during the first sampling event on September 23, 2002. Cis-1,2-dichloroethene was detected in GW-3 (5,010 PPB, Standard 5.0 PPB). Trichloroethene was detected in GW-3 (52,500 PPB, Standard 5.0 PPB). These concentrations exceed applicable NYSDEC groundwater standards.

Two (2) compounds were detected in GW-3 during the second sampling event on October 24, 2002. Cis-1,2-dichloroethene was detected in GW-3 (7,500 PPB, Standard 5.0 PPB). Trichloroethene was detected in GW-3 (161,000 PPB, Standard 5.0 PPB). These concentrations exceed applicable NYSDEC groundwater standards.

Two (2) compounds were detected during the third sampling event on November 26, 2002. Cis-1,2-dichloroethene was detected in GW-3 (4,190 PPB, Standard 5.0 PPB). Trichloroethene was detected in GW-3 (84,600 PPB, Standard 5.0 PPB). These concentrations exceed applicable NYSDEC groundwater standards.

Two (2) compounds were detected during the fourth sampling event on December 31, 2002. Cis-1,2-dichloroethene was detected in GW-3 (3,390 PPB, Standard 5.0 PPB). Trichloroethene was detected in GW-3 (80,300 PPB, Standard 5.0 PPB). These concentrations exceed applicable NYSDEC groundwater standards.

Based on the sample results and the high Redox readings in the interior monitoring wells, the remainder of the Pilot Study sampling program was expanded to include sampling at monitoring well GW-4. In addition, Sulfate, Total Organic Carbon and Dissolved Iron were included to the sampling program to access the level of biodegradation of chlorinated solvents in the area of the BPS.

Three (3) compounds were detected during the fifth sampling event on January 28, 2003. Cis-1,2-dichloroethene was detected in GW-3 (4,570 PPB, Standard 5.0 PPB) and GW-4 (3,150 PPB, Standard 5.0 PPB). Trichloroethene was detected in GW-3 (122,000 PPB, Standard 5.0 PPB) and in GW-4 (1,060 PPB, Standard 5.0 PPB). Vinyl Chloride was detected in GW-4 (791 PPB, Standard 2.0 PPB). These concentrations exceed applicable NYSDEC groundwater standards. Sulfate was detected in GW-3 at 58.0 PPM and in GW-4 at 89.0 PPM. Total Organic Carbon was detected in GW-3 at 8.9 PPM and in GW-4 at 6.1 PPM. Dissolved Iron was not detected in GW-3 or in GW-4.

Three (3) compounds were detected during the sixth sampling event on February 27, 2003. Cis-1,2-dichloroethene was detected in GW-3 (4,410 PPB, Standard 5.0 PPB) and GW-4 (4,000 PPB, Standard 5.0 PPB). Trichloroethene was detected in GW-3 (102,000 PPB, Standard 5.0 PPB) and in GW-4 (595 PPB, Standard 5.0 PPB). Vinyl Chloride was detected in GW-4 (507 PPB, Standard 2.0 PPB). These concentrations exceed applicable NYSDEC groundwater standards. Sulfate was detected in GW-3 at 60.0 PPM and in

GW-4 at 100 PPM. Total Organic Carbon was detected in GW-3 at 7.00 PPM and in GW-4 at 7.40 PPM. Dissolved Iron was detected in GW-3 at 0.123 PPM.

Three (3) compounds were detected during the seventh sampling event on June 27, 2003. Cis-1,2-dichloroethene was detected in GW-3 (7,210 PPB, Standard 5.0 PPB); GW-4 (3,540 PPB, Standard 5.0 PPB) and GW-7 (582 PPB, Standard 5.0 PPB). Trichloroethene was detected in GW-3 (153,000 PPB, Standard 5.0 PPB); GW-4 (1,170 PPB, Standard 5.0 PPB); and GW-7 (158 PPB, Standard 5.0 PPB). Vinyl Chloride was detected in GW-4 (535 PPB, Standard 2.0 PPB) and GW-7 (36.0, Standard 5.0 PPB). These concentrations exceed applicable NYSDEC groundwater standards. Sulfate was detected in GW-3 at 74.0 PPM and in GW-4 at 80.0 PPM. Total Organic Carbon was detected in GW-3 at 6.80 PPM and in GW-4 at 5.60 PPM. Dissolved Iron was not detected in GW-3 or in GW-4.

3.3 Supplemental Site Investigation Results

Figure 12 includes the soil and groundwater analytes detected above applicable NYSDEC recommended soil cleanup objectives or groundwater standards. Figure 12 also includes the previously collected VCP data, pertinent data from previous studies and the data from the BPS.

Based on the results from the additional subsurface soil testing completed north of the Site on the Davis Electrical Supply property, chlorinated solvent contamination was detected in two of the borings (BH-16 and BH-17). These data indicate that the northern edge of the area of soil above applicable NYSDEC soil cleanup objectives appears to be close to BH-16.

The results from the additional groundwater monitoring wells completed west of the Site on the Upstate Farms Cooperative, Inc. property indicate that chlorinated solvent contamination was detected in groundwater in both monitoring wells (GW-6 and GW-7) at concentrations exceeding applicable NYSDEC standards. Thus, the western edge of the contaminated groundwater plume was not identified.

A groundwater sample from monitoring well GW-5 was collected and analyzed on September 11, 2003, at the request of the NYSDEC. Cis-1,2-dichloroethene was detected in GW-5 (61.7 PPB, Standard 5.0 PPB). This concentration exceeds applicable NYSDEC groundwater standards. The previous sample collected from this monitoring well on November 9, 2001 contained cis-1,2-dichloroethene at a concentration of 10.6 PPB and a benzene concentration of 7.66 PPB (standard 0.70 PPB), which exceeded applicable NYSDEC groundwater standards.

3.4 Pilot Study Monitoring Results

The following sections summarize the findings of the PBS monitoring program.

3.4.1 Groundwater Conditions

Based on the groundwater elevations measured in the monitoring wells, it appears that the general direction of groundwater flow is from north to the south. However, the data show a localized groundwater high point in the area of monitoring well GW-3 (see Appendix A – Figures 4 through 9). Thus, groundwater appears to flow radially away from GW-3 in all directions. This condition may be the result of underground utilities, potential roof water infiltration through the concrete trench inside the building or heterogeneous subsurface conditions under the building.

3.4.2 Reduction/Oxidation Conditions

Redox measurements were obtained from approximately September 2002 through June 2003. Based on the measurements, it appears that reducing conditions were present in all of the monitoring wells. However, GW-1, GW-4, GW-6 and GW-7 had the lowest levels, indicating that the HRC was most effective in causing reducing conditions at these locations. GW-3 Redox levels did not decrease as greatly as Redox levels at the other monitoring wells.

3.4.3 Groundwater Sampling and Testing Program

The BPS resulted in the area surrounding GW-3 showed an overall increase in Trichloroethene by 53.20% and in Cis-1,2-dichloroethene by 32.59% (see Table 5 - Appendix D). The increase in concentrations of contaminants in this area was most likely due to the localized groundwater high point in the area of monitoring well GW-3 that appeared to show groundwater flow radially away from GW-3. This localized condition appears to have delivered a sufficient amount of HRC to the west to show significant decreases in chlorinated solvents concentrations in GW-4 and GW-7. GW-4 had an overall decrease in Trichloroethene by 85.78%, Cis-1,2-dichloroethene by 17.29% and in Vinyl Chloride by 24.33%. GW-7 had an overall decrease in Trichloroethene by 74.68%, Cis-1,2-dichloroethene by 90.49% and in Vinyl Chloride by 97.45%.

4. CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

4.1.1 Supplemental Site Investigation Conclusions

Below are the conclusions that have been developed based on the results of the SSI.

1) Based on the analytical results from BH-15, BH-16, and BH-17, the extent of contamination to north on the Davis Electrical Supply property has been identified near BH-16.

2) Concentration levels of contaminants detected in groundwater at GW-7 indicate that the extent of contamination to the west on the Upstate Farms Cooperative, Inc. property was not identified during the SSI. However, the BPS resulted in a decrease in chlorinated solvent concentrations at GW-7. Based on the June 2003 data, GW-7 is near the western edge of the contaminant plume.

3) The groundwater flow throughout the Site appears to be from the north to the south. However, due to an elevated groundwater table at GW-3, it appears that groundwater also flows to the west and east.

4) The cis 1,2-dichloroethene detected in groundwater from GW-5 on September 11, 2003 was slightly higher during this sampling event as compared to the initial sampling completed in November 2001. However, this increase does not appear to be large enough to be related to the BPS activities. This increase is probably within the range of seasonal fluctuations.

4.1.2 Bioremediation Pilot Study Conclusions

Below are the conclusions that have been developed based on the results of the BPS. Leader met with Regenesis to discuss the results of the BPS and to compare them to other chlorinated solvent remediation projects completed using HRC. Based on the meeting

and a review of the chlorinated solvent concentrations and the associated parameters, the following conclusions were developed:

1) There was reduction of total detected chlorinated solvent concentrations in groundwater at GW-4 (13,217 ppb to 5,245 ppb) and GW-7 (8,154 ppb to 776 ppb);

2) The analyses for sulfate, total organic carbon and dissolved iron were conducted to evaluate HRC activity. Sulfate levels decrease and total organic carbon and dissolved iron concentrations increase in the presence of HRC due to the increase in anaerobic activity. The ranges of concentrations for these analytes are typically 0-9.0 ppm for sulfate, 20-500 ppm for total organic carbon; and 2-30 ppm for dissolved iron when HRC is present. The levels detected in GW-3 during the BPS indicated that HRC did not effectively reach the source area.

3) The increase in concentrations of chlorinated solvents at GW-3 was likely the result of the HRC from the injection points south of GW-3, desorbing chlorinated solvents from the soil. Once the contaminants were desorbed from the soil, the remaining HRC loading was not sufficient to reduce the contaminant levels at GW-3; and

4) The groundwater elevations near GW-3 and GW-6 were higher than surrounding monitoring wells over the monitoring period. This condition resulted in little migration of the HRC from the injection points towards GW-3 and GW-6.

Based on the above findings, the HRC was effective in reducing the chlorinated solvent concentrations to the west of GW-3. The BPS also provided useful information in addressing the higher concentrations near GW-3. In order to compensate for the locally high groundwater elevation near GW-3, HRC will need to be injected closer to GW-3 and at a higher loading rate.

4.2 Recommendations

Based on the results of the BPS, the HRC was effective in reducing chlorinated solvent concentrations in groundwater at the Site where it is injected at sufficient concentrations and proximity to the areas of concern. Thus, it is recommended that a full-scale HRC injection program be implemented and monitored in the areas of concern throughout the Site. This full scale program is outlined in Section 5.

5. PROPOSED REMEDIAL ACTION PLAN

5.1 Remedial Action Field Activities

This section outlines the Remedial Action Plan ("RAP"), which involves a full-scale bioremediation program at the Site. The activities summarized herein will be conducted in general accordance with the NYSDEC-approved Health and Safety Plan and QA/QC Plan for this VCP.

5.2 Injection of HRC

The RAP will involve the insitu bioremediation of the soil and groundwater at the Site through the addition of a proprietary compound called HRC-X that enhances natural biodegradation of the chlorinated solvent compounds. HRC-X is similar to the HRC used in the Pilot Study; however, HRC-X is an advanced formula of HRC that remains active for approximately 36-months, whereas HRC is active for approximately 18-months. HRC-X was not available at the time the BPS was initiated.

Approximately 1,440 pounds of HRC-X will be injected into the subsurface soils throughout the areas of chlorinated solvent concentrations above applicable NYSDEC recommended cleanup objections for soil or groundwater standards. The amount of HRC-X proposed was estimated by Regenesis based on empirical equations that take into account the contaminant levels, soil conditions and groundwater conditions. Table 6 – HRC-X Dispersion Remedial Plan shows the loading amounts for each injection point. Figure 13 (see Appendix A) shows the proposed twenty-five (25) injection point locations. Injection points IP-1 through IP-6 will be located within the interior of the Site building, injection points IP-7 through IP-18 will be located west of the Site on the Upstate Farms Cooperative, Inc. property, and injection points IP-19 through IP-25 will be located north of the Site on the Davis Electrical Supply Company property.

Zebra Environmental, Inc. ("Zebra") will mobilize the following equipment to the Site for the implementation of the RAP: 1) a track unit; 2) a core drill; 3) a GS2000 pump;

and 4) HRC-X. The injection points will be drilled and HRC-X will then be injected into the points. After completion of the injections, each point will be sealed with bentonite and a concrete/asphalt surface seal. Some points may be installed to allow for potential subsequent injections.

5.3 Monitoring

The following schedule presents the monitoring program for the RAP.

Time	Groundwater Measurements	Redox	Analytical Testing
Prior to HRC-X Injection	X	X	Sulfate, TOC, Iron, VOCs in Monitoring Wells GW-1, GW-3, and GW-7
Month No.1	X	X	
Month No.2	X	X	
Month No.3	X	X	
Month No.4	X	X	Sulfate, TOC, Iron, VOCs in Monitoring Wells GW-1, GW-3, and GW-7
Month No.5	X	X	
Month No.6	X	X	Sulfate, TOC, Iron, VOCs in Monitoring Wells GW-1, GW-3, and GW-7
Month No.7	X	X	
Month No.8	X	X	Sulfate, TOC, Iron, VOCs in Monitoring Wells GW-1, GW-3, and GW-7
Month No.9	X	X	
Month No.10	X	X	Sulfate, TOC, Iron, VOCs in Monitoring Wells GW-1, GW-3, and GW-7
Month No.11	X	X	
Month No.12	X	X	Sulfate, TOC, Iron, VOCs

The month prior to HRC-X injection and each month following, Leader will monitor field parameters (i.e, Redox and groundwater measurements) in GW-1, GW-2, GW-3, GW-4, GW-5, GW-6 and GW-7.

Every other month following the third month after injection, one groundwater sample will be collected from GW-1, GW-3, and GW-7 and analyzed for sulfate, total organic carbon, dissolved iron and TCL VOC analysis using USEPA Method 8260.

5.4 Site-Specific RAOs

It is anticipated that the selected remedy will achieve the general Remedial Action Objectives ("RAOs") summarized below:

- To prevent future exposure of human or animal receptors to contaminated groundwater or soil; and
- To prevent or mitigate the migration of contaminants that will cause groundwater contamination above the site-specific RAOs

However, bioremediation using HRC-X may not result in groundwater concentrations at all monitoring well locations being below drinking water standards (e.g., the groundwater standard for trichloroethylene ["TCE"] is 0.7 ppb). Thus, site-specific RAOs have been developed that achieve the General RAOs while providing for some flexibility should future remedial efforts reach a point of diminishing returns. These site-specific RAOs are summarized below.

- Future residual groundwater and/or soil contamination will not pose an unacceptable risk to human health and the environment;
- The residual groundwater and soil contamination, if present, will be compatible with the anticipated future use of the site; and

- An approximate "zero slope" will be reached with regard to groundwater quality (i.e., continued treatment will not result in a decrease in the concentration of analytes in the groundwater).

This approach is reasonable based on the following site-specific conditions:

- The local groundwater currently has no beneficial use and is unlikely to be used in the foreseeable future;
- The present lack of completed pathways of human exposure and the absence of a significant threat to public health;
- The technical impracticability of restoring the groundwater to pre-release conditions, given the inaccessibility of the source area and the heterogeneous subsurface conditions; and
- The site's commercial/industrial setting and the absence of sensitive environmental receptors.

5.5 Soil Gas Monitoring

Based on conversations with the NYSDEC and the New York State Department of Health ("NYSDOH"), soil gas ventilation and monitoring issues will be evaluated following remediation. Sampling soil gas vapors beneath the building following completion of the RAP will allow for a more representative sampling program and a more effective ventilation system design, if required. Leader will meet with the NYSDEC and the NYSDOH following the completion of remedial activities.

5.6 Report

A written report will be prepared relating the findings of the RAP. This report will include conclusions and recommendations. This report will also include photographs of field activities, analytical laboratory reports and figures and tables.

5.7 Schedule

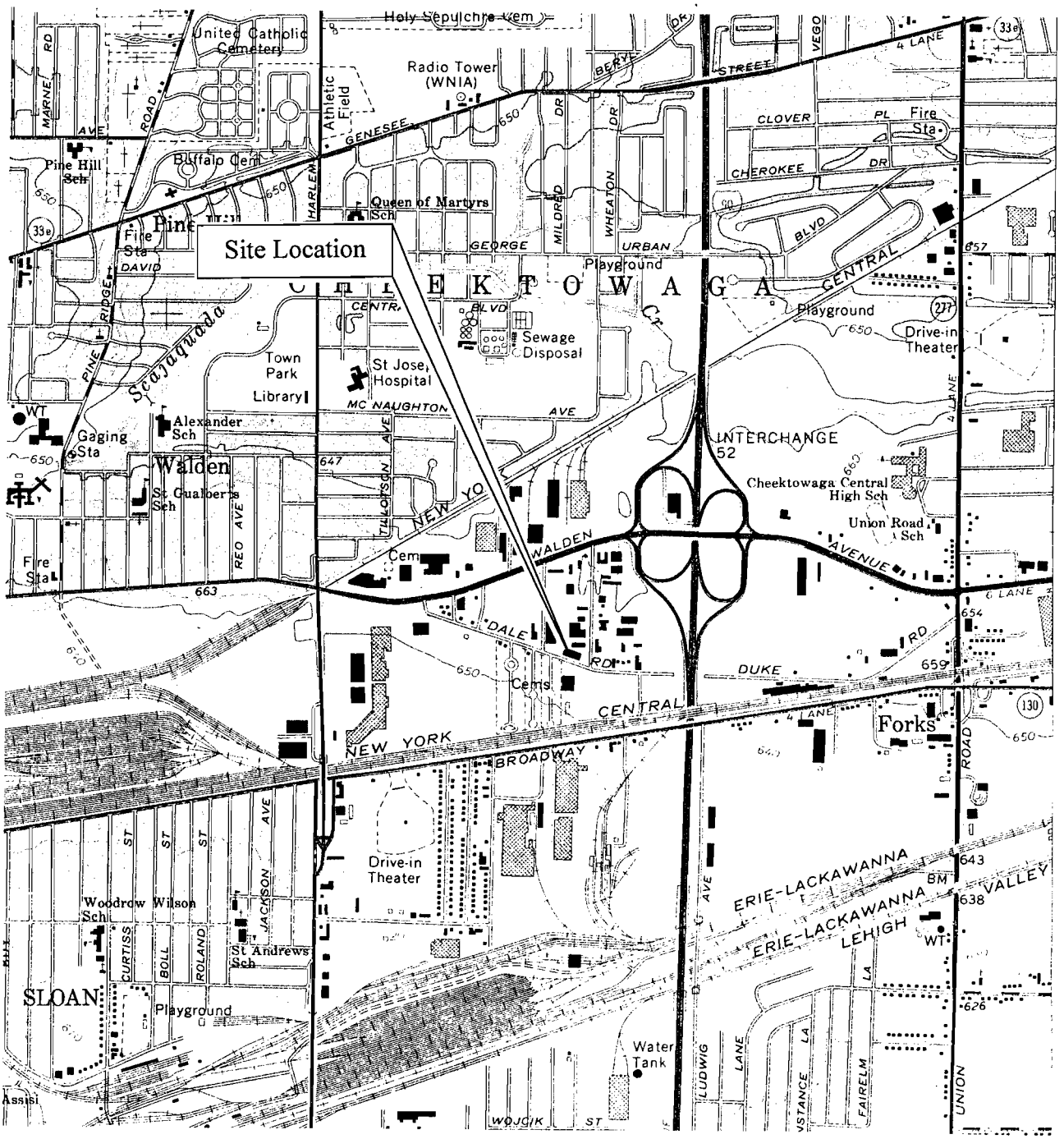
Following NYSDEC approval of the RAP, Leader will schedule the HRC-X injection with Zebra. Prior to the start of the work, Leader and Zebra will meet on-Site to determine the accessibility of the proposed injection points. Once the injection point locations are determined, the areas will be marked for clearing of current on-Site equipment where possible. Zebra will mobilize the equipment to the Site and begin coring the injection points. Following one day of coring, HRC-X will be injected into the completed injection points while the remaining injection points are cored. The total injection program is anticipated to take approximately three days.

6. LIMITATIONS AND USE OF REPORT

This Voluntary Cleanup Program SSI/BPS 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.

This Voluntary Cleanup Program SSI/BPS 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.

APPENDIX A
FIGURES



SOURCE: 1965 USGS BUFFALO, NENEW YORK QUADRANGLE.

Title: SITE LOCATION MAP 1746 DALE ROAD CHEEKTOWAGA, NEW YORK	LEADER Leader Professional Services, Inc. 2300 Wehrle Drive Williamsville, New York 14221 (716) 565-0963 (716) 565-0964 (fax)	Project: KCC Date: 9/2003 Scale: N.T.S.	Drawn: KCC Checked: JAW File Name: 147.007	Figure: 1
Prepared For: JAECKLE, FLEISCHMANN & MUGEL, LLP				

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

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

REPUTED OWNER
THE ROTARY COMPANY, INC.
L-5485, P-488
ONE STORY
BUILDING NO. 1746

L-5485, P-488
2nd DESCRIBED PARCEL

ASPHALT PARKING AREA

DALE ROAD

ANDERSON ROAD

B-19, B-15, B-17, B-8A, B-16, B-20, B-14, B-13, B-12, B-11, B-10, B-18, B-9A, B-7, B-4A, B-4, B-6A, B-6, B-7A, B-5A, B-5, B-3, B-2, B-1

GW-1, GW-2, GW-3, GW-4, GW-5, GW-6, GW-7

BH-1, BH-2, BH-3, BH-4, BH-5, BH-6, BH-7, BH-8, BH-9, BH-10, BH-11, BH-12, BH-13, BH-14, BH-15, BH-16, BH-17

ASPHALT
CONCRETE
CONC.
GRASS
CONC. PAD
CONC PAD
OE
OE&T
P.P. NYSEG 35
P.P. NYSEG 34
P.P. NYSEG 1976A-1 NYT 1
P.P. NYSEG 33 BELL 1/2
P.P. NYSEG 1976/1 NYT 2

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

LEGEND

BH-8	⊙	BORE HOLE LOCATION-SI
GW-4	+	MONITORING WELL-SI
BH-15	◉	BORE HOLE LOCATION-SSI
GW-7	✳	MONITORING WELL-SSI

NOTES:

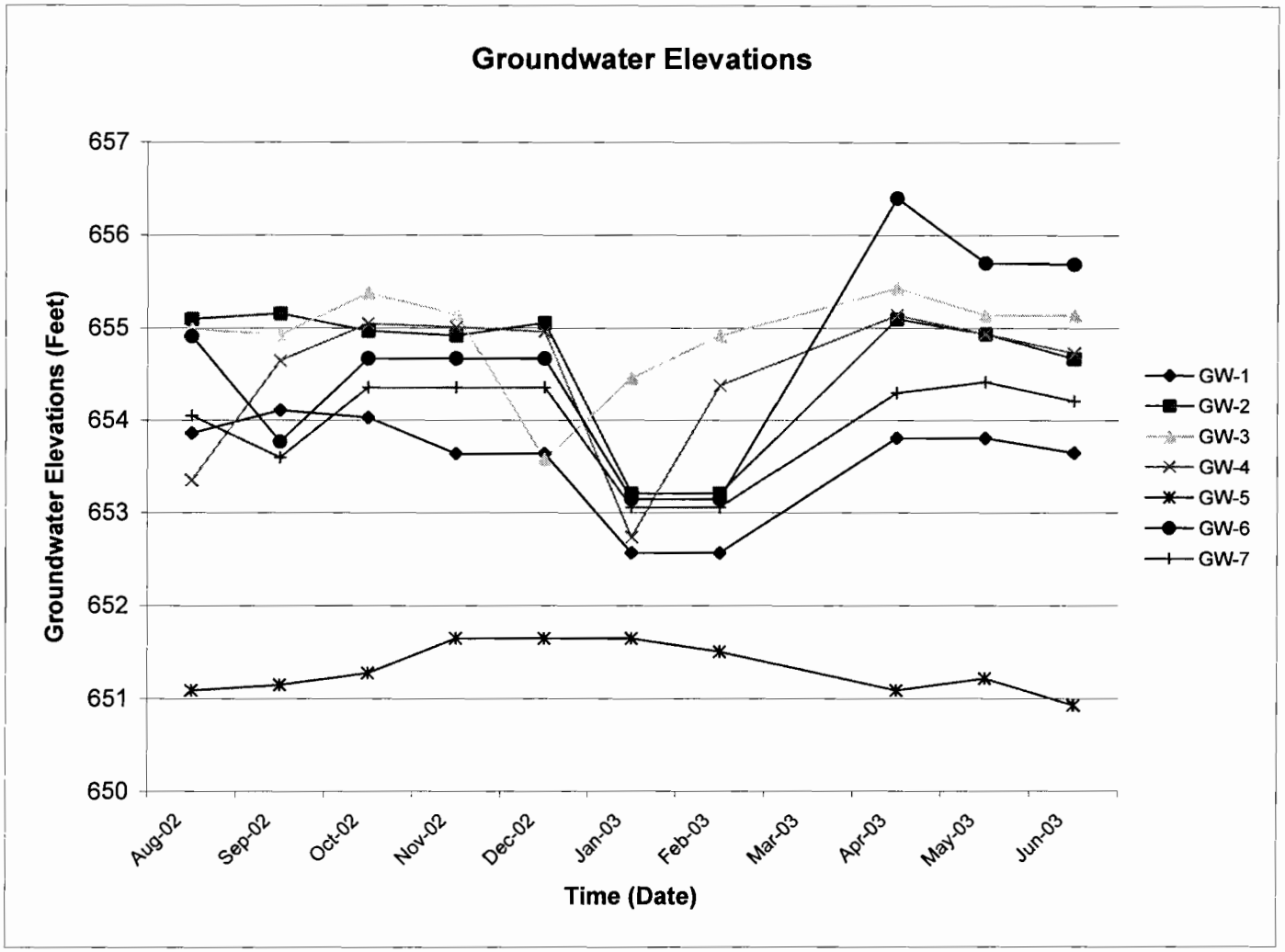
1) GW-6 AND GW-7 ARE THE LOCATIONS OF THE TWO MONITORING WELLS FOR THE SUPPLEMENTAL SI.
2) BH-15, BH-16, AND BH-17 ARE THE LOCATIONS OF THE SOIL BORINGS FOR THE SUPPLEMENTAL SI.
3) SITE PLAN PREPARED BY McINTOSH & McINTOSH, P.C.
4) LOCATIONS OF SITE FEATURES AND SAMPLING LOCATIONS ARE APPROXIMATE.

Title	SITE PLAN 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:	OCTOBER 2003
Drawn By: KCC	Checked By: JAW
Scale:	1" = 30 FEET

Figure Number: 2



	Groundwater Elevations (Feet)						
	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6	GW-7
08/30/02	653.86	655.10	654.99	653.35	651.09	654.91	654.05
09/23/02	654.11	655.16	654.93	654.65	651.15	653.77	653.60
10/24/02	654.03	654.97	655.38	655.05	651.28	654.67	654.36
11/26/02	653.64	654.92	655.15	655.01	651.65	654.67	654.36
12/31/02	653.64	655.06	653.58	654.96	651.65	654.67	654.36
01/28/03	652.57	653.21	654.46	652.74	651.65	653.15	653.06
02/01/03	652.57	653.21	654.92	654.38	651.51	653.15	653.06
04/15/03	653.81	655.10	655.43	655.14	651.09	656.40	654.30
05/29/03	653.81	654.94	655.14	654.94	651.22	655.70	654.42
06/27/03	653.65	654.67	655.14	654.73	650.93	655.69	654.21

* Note: Groundwater elevations are relative to a site datum designated to be 100.00 feet.
NM = Not Measured

Title: GROUNDWATER ELEVATION DATA
RoCo, Ltd.,
Cheektowaga, New York

Prepared For:
Jaeckle, Fleischmann & Mugel, LLP

LEADER
Leader Professional Services, Inc.
2300 Wehrle Drive
Williamsville, New York 14221
(716) 565-0963
(716) 565-0964 (fax)

Project: KCM
Date: 10/2003
Scale: N.T.S.

Drawn: KCM
Checked: JAW
File Name: 147.007

Figure: 3

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

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

THE ROTARY COMPANY, INC.
REPUTED OWNER
L-5485, P-488
ONE STORY
BUILDING NO. 1946

L-5485, P-488
2nd DESCRIBED PARCEL

ASPHALT PARKING AREA

ASPHALT PARKING AREA

ANDERSON ROAD

DALE ROAD

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

P.P. NYSEG 1976/1 NYT 2

P.P. NYSEG 1978A-1 NYT 1

P.P. NYSEG 33 BELL 1/2

P.P. NYSEG 34

P.P. NYSEG 35

LEGEND

B-1	•	BORE HOLE LOCATION-PREVIOUS STUDIES
BH-8	•	BORE HOLE LOCATION-SI
GW-4	+	MONITORING WELL-SI
BH-15	◉	BORE HOLE LOCATION-SSI
GW-7	✱	MONITORING WELL-SSI

NOTES:

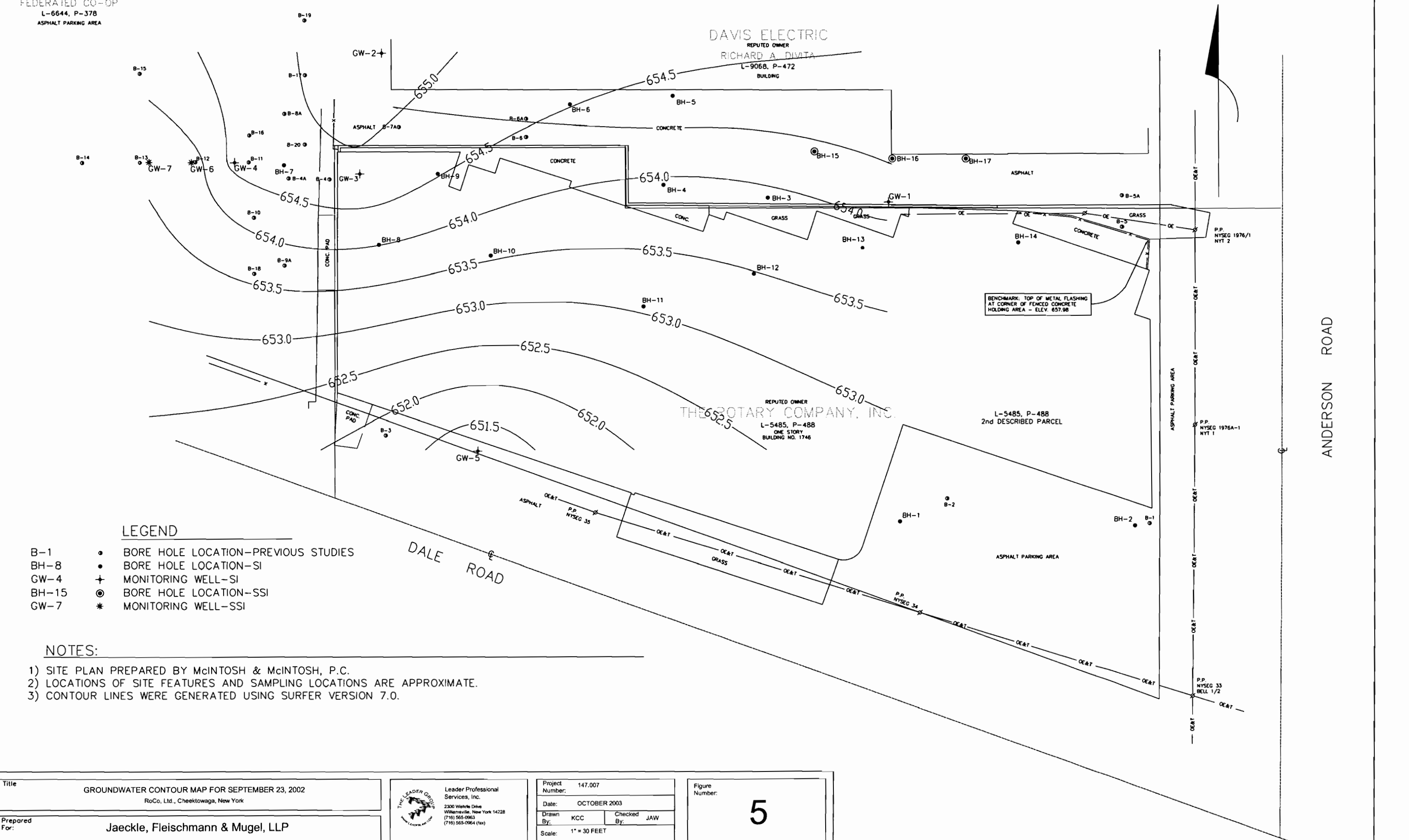
1) SITE PLAN PREPARED BY McINTOSH & McINTOSH, P.C.
2) LOCATIONS OF SITE FEATURES AND SAMPLING LOCATIONS ARE APPROXIMATE.
3) CONTOUR LINES WERE GENERATED USING SURFER VERSION 7.0.

Title	GROUNDWATER CONTOUR MAP FOR AUGUST 30, 2002 RaCo, Ltd., Cheeklowaga, 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:	OCTOBER 2003		
Drawn By:	KCC	Checked By:	JAW
Scale:	1" = 30 FEET		

Figure Number: 4



LEGEND

B-1	⊙	BORE HOLE LOCATION-PREVIOUS STUDIES
BH-8	•	BORE HOLE LOCATION-SI
GW-4	+	MONITORING WELL-SI
BH-15	◉	BORE HOLE LOCATION-SSI
GW-7	✱	MONITORING WELL-SSI

NOTES:

1) SITE PLAN PREPARED BY McINTOSH & McINTOSH, P.C.
2) LOCATIONS OF SITE FEATURES AND SAMPLING LOCATIONS ARE APPROXIMATE.
3) CONTOUR LINES WERE GENERATED USING SURFER VERSION 7.0.

Title	GROUNDWATER CONTOUR MAP FOR SEPTEMBER 23, 2002 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:	OCTOBER 2003		
Drawn By:	KCC	Checked By:	JAW
Scale:	1" = 30 FEET		

Figure Number: 5

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

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

REPUTED OWNER
THE ROTARY COMPANY, INC.
L-5485, P-488
ONE STORY
BUILDING NO. 1746

L-5485, P-488
2nd DESCRIBED PARCEL

ASPHALT PARKING AREA

DALE ROAD

ANDERSON ROAD

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

P.P. NYSEG 1976/1 NYT 2
P.P. NYSEG 1978A-1 NYT 1
P.P. NYSEG 35
P.P. NYSEG 34
P.P. NYSEG 33 BELL 1/2

LEGEND

B-1	◦	BORE HOLE LOCATION-PREVIOUS STUDIES
BH-8	•	BORE HOLE LOCATION-SI
GW-4	+	MONITORING WELL-SI
BH-15	◉	BORE HOLE LOCATION-SSI
GW-7	*	MONITORING WELL-SSI

NOTES:

1) SITE PLAN PREPARED BY McINTOSH & McINTOSH, P.C.
2) LOCATIONS OF SITE FEATURES AND SAMPLING LOCATIONS ARE APPROXIMATE.
3) CONTOUR LINES WERE GENERATED USING SURFER VERSION 7.0.

Title	GROUNDWATER CONTOUR MAP FOR OCTOBER 24, 2002 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:	OCTOBER 2003		
Drawn By:	KCC	Checked By:	JAW
Scale:	1" = 30 FEET		

Figure Number: 6

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

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

THE ROTARY COMPANY, INC.
REPUTED OWNER
L-5485, P-488
ONE STORY
BUILDING NO. 1746

L-5485, P-488
2nd DESCRIBED PARCEL

ASPHALT PARKING AREA

DALE ROAD

ANDERSON ROAD

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

P.P. NYSEG 1976/1 NYT 2
P.P. NYSEG 1976A-1 NYT 1
P.P. NYSEG 35
P.P. NYSEG 34
P.P. NYSEG 33 BELL 1/2

LEGEND

B-1	•	BORE HOLE LOCATION–PREVIOUS STUDIES
BH-8	•	BORE HOLE LOCATION–SI
GW-4	+	MONITORING WELL–SI
BH-15	◉	BORE HOLE LOCATION–SSI
GW-7	*	MONITORING WELL–SSI

NOTES:

1) SITE PLAN PREPARED BY McINTOSH & McINTOSH, P.C.
2) LOCATIONS OF SITE FEATURES AND SAMPLING LOCATIONS ARE APPROXIMATE.
3) CONTOUR LINES WERE GENERATED USING SURFER VERSION 7.0.

Title	GROUNDWATER CONTOUR MAP FOR APRIL 15, 2003 RoCo, Ltd., Cheektowaga, New York
Prepared For:	Jaeckle, Fleischmann & Mugel, LLP

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

Project Number:	147.007		
Date:	OCTOBER 2003		
Drawn By:	KCC	Checked By:	JAW
Scale:	1" = 30 FEET		

Figure Number: 7

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

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

THE ROTARY COMPANY, INC.
REPUTED OWNER
L-5485, P-488
ONE STORY
BUILDING NO. 1746

L-5485, P-488
2nd DESCRIBED PARCEL

ASPHALT PARKING AREA

ASPHALT PARKING AREA

DALE ROAD

ANDERSON ROAD

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

P.P. NYSEG 1976/1 NYT 2

P.P. NYSEG 1976A-1 NYT 1

P.P. NYSEG 35

P.P. NYSEG 34

P.P. NYSEG 33 BELL 1/2

LEGEND

B-1	•	BORE HOLE LOCATION-PREVIOUS STUDIES
BH-8	•	BORE HOLE LOCATION-SI
GW-4	+	MONITORING WELL-SI
BH-15	◉	BORE HOLE LOCATION-SSI
GW-7	*	MONITORING WELL-SSI

NOTES:

1) SITE PLAN PREPARED BY McINTOSH & McINTOSH, P.C.
2) LOCATIONS OF SITE FEATURES AND SAMPLING LOCATIONS ARE APPROXIMATE.
3) CONTOUR LINES WERE GENERATED USING SURFER VERSION 7.0.

Title	GROUNDWATER CONTOUR MAP FOR MAY 29, 2003 RoCo, Ltd., Cheektowaga, New York
Prepared For:	Jaeckle, Fleischmann & Mugel, LLP

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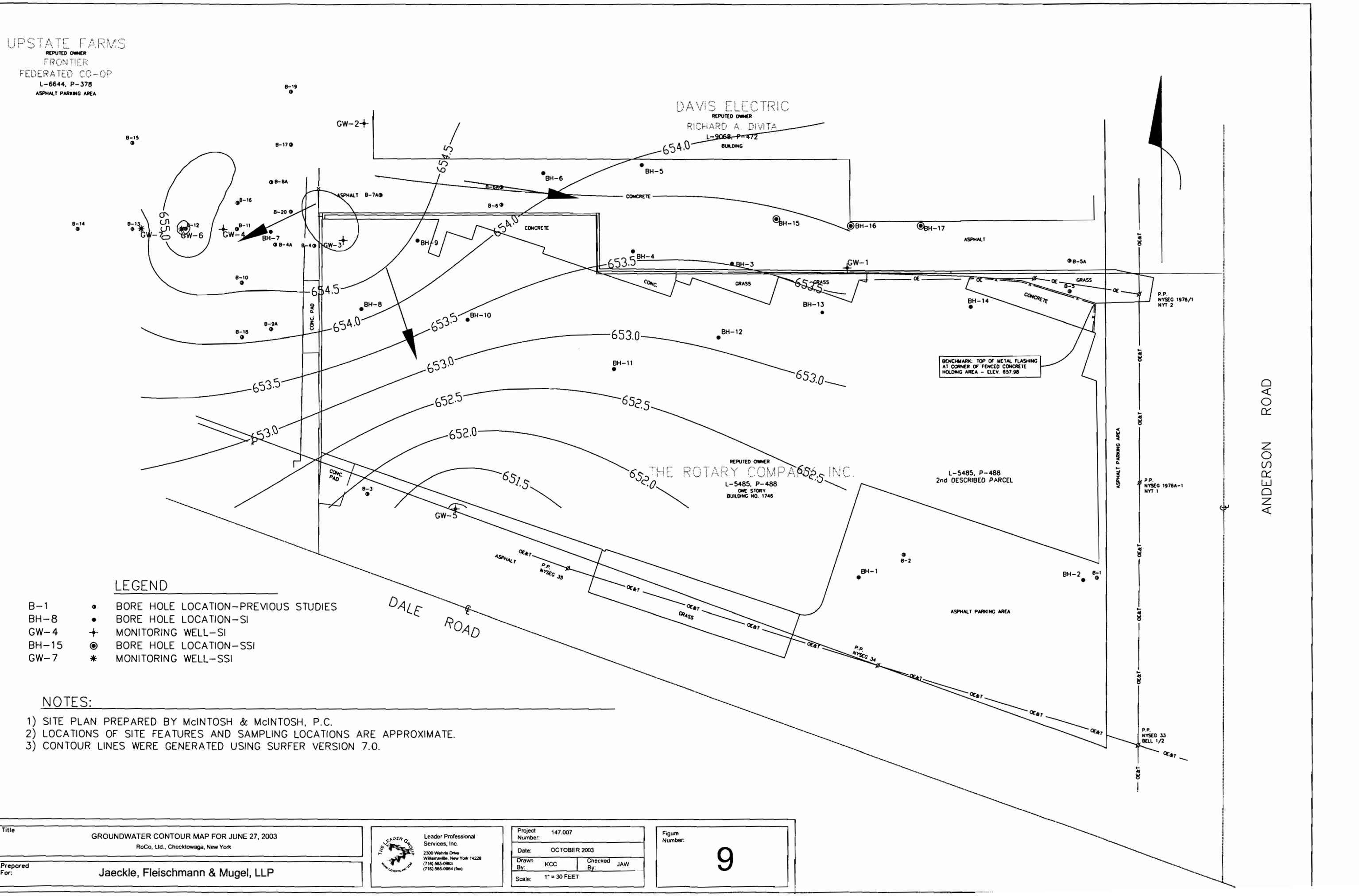
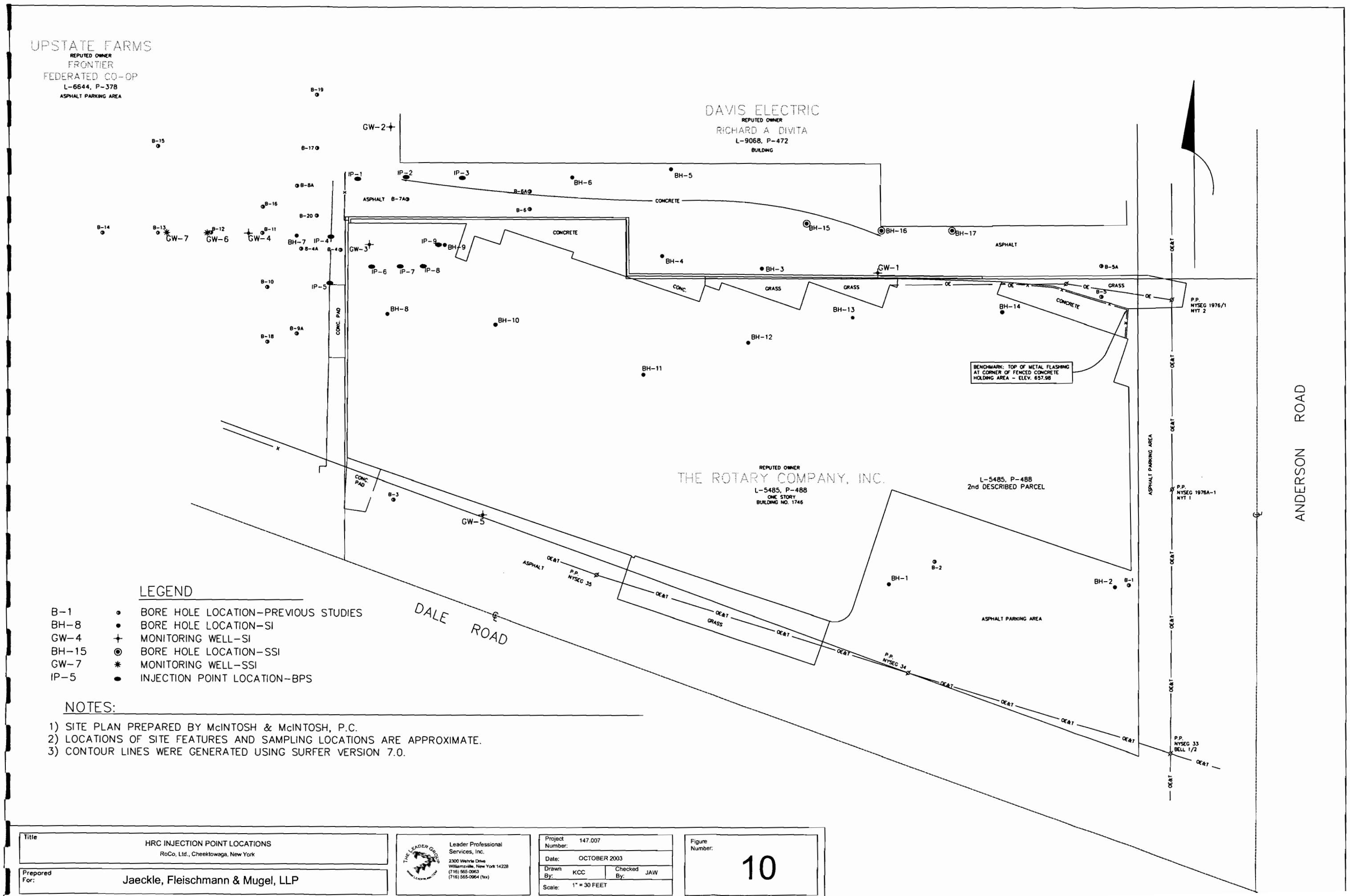
(716) 565-0964 (fax)

Project Number:	147.007
Date:	OCTOBER 2003
Drawn By:	KCC
Checked By:	JAW
Scale:	1" = 30 FEET

Figure Number: 8


UPSTATE FARMS
REPUTED OWNER
FRONTIER
FEDERATED CO-OP
L-6644, P-378
ASPHALT PARKING AREA
DAVIS ELECTRIC
REPUTED OWNER
RICHARD A. DIVITA
L-9068, P-472
BUILDING
THE ROTARY COMPANY, INC.
REPUTED OWNER
L-5485, P-488
ONE STORY
BUILDING NO. 1746
L-5485, P-488
2nd DESCRIBED PARCEL
ASPHALT PARKING AREA
DALE ROAD
ANDERSON ROAD
CONCRETE
ASPHALT
GRASS
CONC.
CONC. PAD
O&T
P.P. NYSEG 1976/1 NYT 2
P.P. NYSEG 1976A-1 NYT 1
P.P. NYSEG 33 BELL 1/2
P.P. NYSEG 34
P.P. NYSEG 35
BENCHMARK: TOP OF METAL FLASHING AT CORNER OF FENCED CONCRETE HOLDING AREA - ELEV. 657.98
654.5
654.0
653.5
653.0
652.5
652.0
651.5
LEGEND
B-1 BORE HOLE LOCATION-PREVIOUS STUDIES
BH-8 BORE HOLE LOCATION-SI
GW-4 MONITORING WELL-SI
BH-15 BORE HOLE LOCATION-SSI
GW-7 MONITORING WELL-SSI
NOTES:
1) SITE PLAN PREPARED BY McINTOSH & McINTOSH, P.C.
2) LOCATIONS OF SITE FEATURES AND SAMPLING LOCATIONS ARE APPROXIMATE.
3) CONTOUR LINES WERE GENERATED USING SURFER VERSION 7.0.
Title
GROUNDWATER CONTOUR MAP FOR JUNE 27, 2003
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: OCTOBER 2003
Drawn By: KCC
Checked By: JAW
Scale: 1" = 30 FEET
Figure Number:
9



LEGEND

B-1	•	BORE HOLE LOCATION-PREVIOUS STUDIES
BH-8	•	BORE HOLE LOCATION-SI
GW-4	+	MONITORING WELL-SI
BH-15	◉	BORE HOLE LOCATION-SSI
GW-7	✱	MONITORING WELL-SSI
IP-5	●	INJECTION POINT LOCATION-BPS

NOTES:

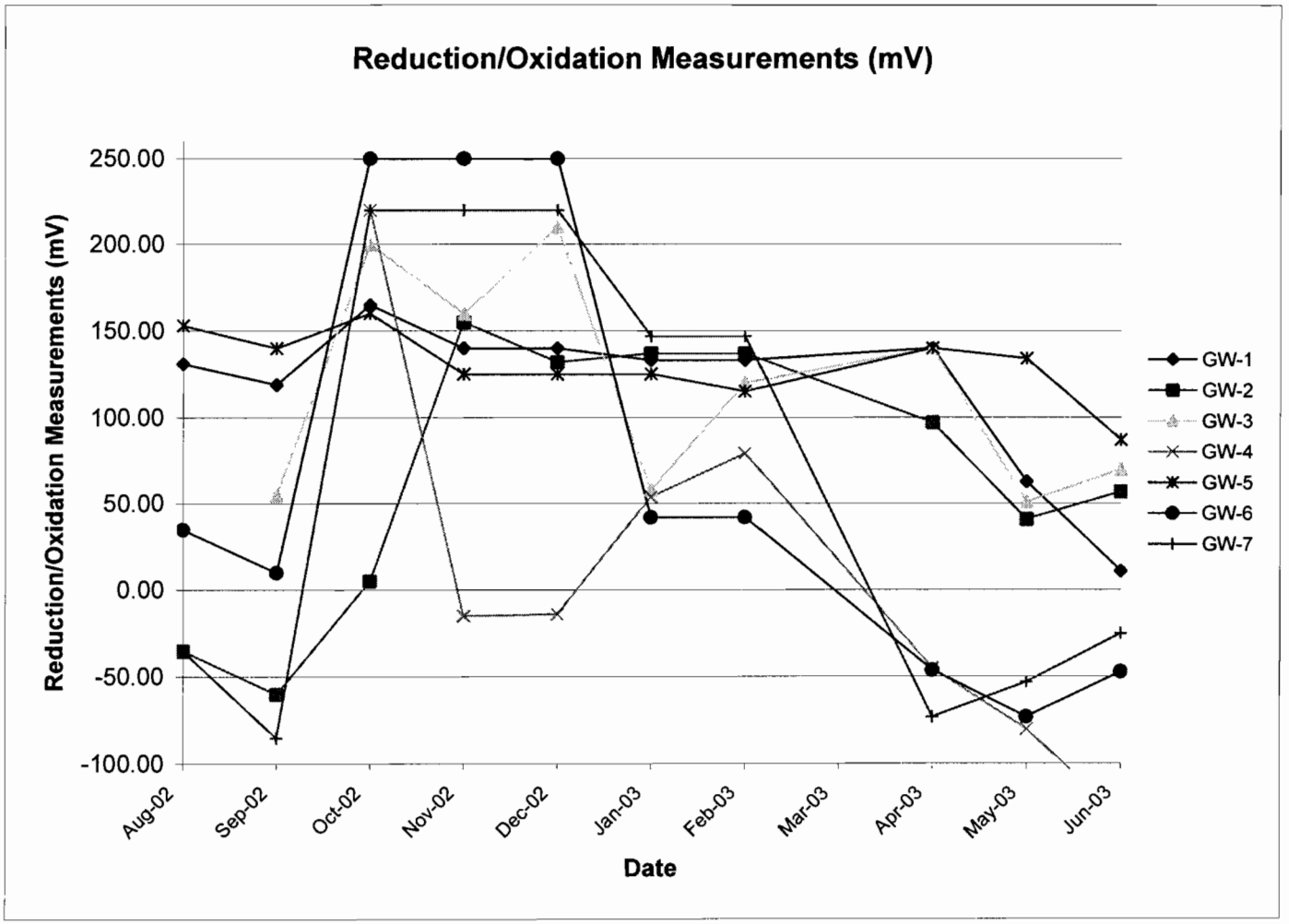
1) SITE PLAN PREPARED BY McINTOSH & McINTOSH, P.C.
2) LOCATIONS OF SITE FEATURES AND SAMPLING LOCATIONS ARE APPROXIMATE.
3) CONTOUR LINES WERE GENERATED USING SURFER VERSION 7.0.

Title	HRC INJECTION POINT LOCATIONS 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:	OCTOBER 2003		
Drawn By:	KCC	Checked By:	JAW
Scale:	1" = 30 FEET		

Figure Number: 10



Reduction/Oxidation Measurements (mV)							
Date	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6	GW-7
08/30/02	131.00	-35.00	NM	NM	153.00	35.00	-35.00
09/23/02	119.00	-60.00	55.00	NM	140.00	10.00	-85.00
10/24/02	165.00	5.00	200.00	220.00	160.00	250.00	220.00
11/26/02	140.00	155.00	160.00	-15.00	125.00	NM	NM
12/31/02	NM	132.00	210.00	-14.00	NM	NM	NM
01/28/03	133.00	137.00	58.00	54.00	NM	42.00	147.00
02/01/03	NM	NM	120.00	79.00	115.00	NM	NM
04/15/03	140.00	97.00	140.00	-45.00	140.00	-46.00	-73.00
05/29/03	63.00	41.00	51.00	-80.00	134.00	-73.00	-53.00
06/27/03	11.00	57.00	70.00	-130.00	87.00	-47.00	-25.00

NM=Well was unable to be measured due to inaccessibility or levels were off the scale

Title: REDUCTION/OXIDATION DATA
RoCo, Ltd.,
Cheektowaga, New York

Prepared For:
Jaeckle, Fleischmann & Mugel, LLP

LEADER
Leader Professional Services, Inc.
2300 Wehrle Drive
Williamsville, New York 14221
(716) 565-0963
(716) 565-0964 (fax)

Project: KCM
Date: 10/2003
Scale: N.T.S.

Drawn: KCM
Checked: JAW
File Name: 147.007

Figure: 11

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

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

THE ROTARY COMPANY, INC.
REPUTED OWNER
L-5485, P-488
ONE STORY
BUILDING NO. 1746

L-5485, P-488
2nd DESCRIBED PARCEL

ASPHALT PARKING AREA

ANDERSON ROAD

DALE ROAD

Edge of Pavement

CONC. PAD

ASPHALT

CONCRETE

GRASS

CONC.

OE&T

P.P. NYSEG 1976/1 NYT 2

P.P. NYSEG 1976A-1 NYT 1

P.P. NYSEG 35

P.P. NYSEG 34

P.P. NYSEG 33 BELL 1/2

Soil 6'-8'
PCE (3,990 ppb)
TCE (10,900 ppb)
Soil 8'-10'
TCE (2,130 ppb)

GW-2
Groundwater
TCE (GW-88.1 ppb)

Soil 8'-10'
Toluene (10,200 ppb)

Soil 4'-6'
TCE (800 ppb)
Cis-DCE (609 ppb)

Soil 8'-10'
TCE (41.8 ppb)
Cis-DCE (122 ppb)

Soil 6'-7'
Cis-DCE (19.2 ppb)
Soil 8'-10'
TCE (25.1 ppb)
Cis-DCE (17.6 ppb)

Soil 6'-8'
TCE (1,156 ppb)

GW-7
Groundwater
TCE (GW-624 ppb)
Cis-DCE (GW-6,120 ppb)
VC (GW-1,410 ppb)

GW-6
Groundwater
July 11, 2002
TCE (GW-61.8 ppb)
Cis-DCE (GW-271 ppb)
VC (GW-211 ppb)

September 23, 2002
TCE (GW-53.3 ppb)
Cis-DCE (GW-85.2 ppb)
VC (GW-107 ppb)

GW-4
Groundwater
TCE (GW-8,230 ppb)
VC (GW-707 ppb)

Soil 2'-4'
TCE (2,310 ppb)
Soil 6'-8'
TCE (16,800 ppb)
Soil 10'-12'
TCE (2,270 ppb)
Groundwater
TCE (71,600 ppb)
Cis-DCE (GW-4,860 ppb)

Soil 8'-10'
Cis-DCE (65.8 ppb)

Soil 8'-10'
TCE (89.9 ppb)
Cis-DCE (16.8 ppb)

Soil 8'-10'
TCE (118 ppb)
Cis-DCE (12.8 ppb)

Soil 8'-10'
TCE (87.5 ppb)

Soil 8'-10'
TCE (1,440 ppb)

Groundwater
TCE (GW-7.09 ppb)
VC (GW-2.91 ppb)
Trans-1,2-DCE (GW-8.42 ppb)

Soil 8'-10'
TCE (828 ppb)
Cis-DCE (107 ppb)

Groundwater
Benzene (GW-7.66 ppb)
Cis-DCE (GW-10.6 ppb)

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

B-1 BH-1 B-2 BH-2 B-3 BH-3 B-4 BH-4 B-5 BH-5 B-6 BH-6 B-7 B-8 BH-8 B-8A B-9 BH-9 B-10 BH-10 B-11 BH-11 B-12 BH-12 B-13 BH-13 B-14 BH-14 B-15 BH-15 B-16 BH-16 B-17 B-18 B-19 B-20 GW-1 GW-2 GW-3 GW-4 GW-5 GW-6 GW-7

LEGEND

B-1	•	BORE HOLE LOCATION-PREVIOUS STUDIES
BH-8	•	BORE HOLE LOCATION-SI
GW-4	+	MONITORING WELL-SI
BH-15	◉	BORE HOLE LOCATION-SSI
GW-7	✱	MONITORING WELL-SSI
	▨	APPROXIMATE AREA OF SOIL (UPPER 12') ABOVE APPLICABLE NYSDEC RECOMMENDED SOIL CLEANUP OBJECTIVES.

NOTES:

1) SITE PLAN PREPARED BY McINTOSH & McINTOSH, P.C.
2) LOCATIONS OF SITE FEATURES AND SAMPLING LOCATIONS ARE APPROXIMATE.

Title	SUPPLEMENTAL SITE INVESTIGATION DATA 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:	OCTOBER 2003		
Drawn By:	KCC	Checked By:	JAW
Scale:	1" = 30 FEET		

Figure Number: 12

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

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

REPUTED OWNER
THE ROTARY COMPANY, INC.
L-5485, P-488
ONE STORY
BUILDING NO. 1746

L-5485, P-488
2nd DESCRIBED PARCEL

ASPHALT PARKING AREA

ASPHALT PARKING AREA

CONC. PAD

CONC. PAD

ASPHALT

CONCRETE

CONCRETE

CONC.

GRASS

GRASS

GRASS

CONCRETE

ASPHALT

OE

OE&T

P.P. NYSEG 1976/1 NYT 2

P.P. NYSEG 1976A-1 NYT 1

P.P. NYSEG 35

P.P. NYSEG 34

P.P. NYSEG 33 BELL 1/2

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

IP-1 IP-2 IP-3 IP-4 IP-5 IP-6 IP-7 IP-8 IP-9 IP-10 IP-11 IP-12 IP-13 IP-14 IP-15 IP-16 IP-17 IP-18 IP-19 IP-20 IP-21 IP-22 IP-23 IP-24 IP-25

GW-1 GW-2 GW-3 GW-4 GW-5 GW-6 GW-7

BH-1 BH-2 BH-3 BH-4 BH-5 BH-6 BH-7 BH-8 BH-9 BH-10 BH-11 BH-12 BH-13 BH-14 BH-15 BH-16 BH-17

DALE ROAD

ANDERSON ROAD

LEGEND

B-1	•	BORE HOLE LOCATION-PREVIOUS STUDIES
BH-8	•	BORE HOLE LOCATION-SI
GW-4	+	MONITORING WELL-SI
BH-15	◉	BORE HOLE LOCATION-SSI
GW-7	*	MONITORING WELL-SSI
IP-5	⬬	INJECTION POINT LOCATION-RAP

NOTES:

1) SITE PLAN PREPARED BY McINTOSH & McINTOSH, P.C.
2) LOCATIONS OF SITE FEATURES AND SAMPLING LOCATIONS ARE APPROXIMATE.
3) CONTOUR LINES WERE GENERATED USING SURFER VERSION 7.0.

Title	RAP - PROPOSED HRC-X INJECTION POINTS 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:	OCTOBER 2003		
Drawn By:	KCC	Checked By:	JAW
Scale:	1" = 30 FEET		

Figure Number: 13

APPENDIX B
TEST BORING/MONITORING WELL LOGS

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: JULY 10, 2002 — BH-15

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

DRILLING COMPANY: International Waste Removal, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr. Edward Eagan
TOTAL DEPTH: 10-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-15

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

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: JULY 10, 2002 — BH-16

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

DRILLING COMPANY: International Waste Removal, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr. Edward Eagan
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-16

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
	0.0 PPM	S-1	NA	48-inches	Concrete. [FILL]	
1	0.0 PPM				Black, FMC SAND, damp.	
	0.0 PPM				---------- Odor Detected----------	
2	0.0 PPM					
	0.0 PPM					
3	0.0 PPM				[FMC SAND]	
	0.0 PPM				Olive, SILTY CLAY, wet.	
4	0.0 PPM					
	0.0 PPM	S-2	NA	48-inches	... reddish-brown.	
5	0.0 PPM					
	12.0 PPM					
6	**35.7 PPM**					
	0.0 PPM					
7	0.0 PPM					
	0.0 PPM					
8	0.0 PPM					
	0.0 PPM	S-3	NA	48-inches	[SILTY CLAY]	
9	0.0 PPM				Dark gray, FMC SAND, wet. [FMC SAND]	
	0.0 PPM				Reddish-brown, SILTY CLAY, damp.	
10	0.0 PPM					
	0.0 PPM					
11	0.0 PPM					
	0.0 PPM					
12	0.0 PPM				[SILTY CLAY]	
	0.0 PPM	S-4	NA	36-inches	Black, FMC SAND, wet.	
13	0.0 PPM					
	0.0 PPM					
14	0.0 PPM				[FMC SAND]	
	0.0 PPM				Reddish-brown, SILTY CLAY, damp.	
15	0.0 PPM				[SILTY CLAY and FMC SAND]	
					Bottom of hole at 15-feet.	
16						
17						
18						
19						

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: JULY 10, 2002 — BH-17

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

DRILLING COMPANY: International Waste Removal, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr. Edward Eagan
TOTAL DEPTH: 14-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-17

DEPTH (FEET)	PID READINGS (BACKGROUND = 0.0PPM)	SAMPLE NO.	N-VALUE	REC. (INCHES)	SAMPLE DESCRIPTION	WELL CONST.
	0.0 PPM	S-1	NA	48-inches	Concrete.	
1	0.0 PPM				Black, FMC SAND, little Silty Clay, wet.	
	0.0 PPM					
2	0.0 PPM					
	0.0 PPM					
3	0.0 PPM				[FMC SAND]	
	0.0 PPM				Reddish-brown, CLAY and SILTY CLAY, damp.	
4	0.0 PPM					
	0.0 PPM	S-2	NA	48-inches	... CLAY	
5	0.0 PPM					
	0.0 PPM					
6	0.0 PPM					
	0.0 PPM					
7	0.0 PPM					
	0.0 PPM				... brown.	
8	0.0 PPM				[CLAY and SILTY CLAY]	
	0.0 PPM	S-3	NA	48-inches	Black, FMC SAND, little Silty Clay, wet.	
9	0.0 PPM					
	0.0 PPM					
10	0.0 PPM					
	0.0 PPM				...reddish-brown.	
11	0.0 PPM					
	0.0 PPM					
12	0.0 PPM					
	0.0 PPM	S-4	NA	24-inches		
13	0.0 PPM					
	0.0 PPM					
14	0.0 PPM				[FMC SAND]	
					Bottom of hole at 14-feet.	
15						
16						
17						
18						
19						

LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: JULY 10, 2002 — GW-6

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

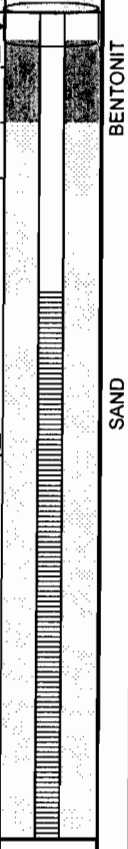
DRILLING COMPANY: International Waste Removal, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr. Edward Eagan
TOTAL DEPTH: 15-feet
TOP OF CASING ELEV: NA
GROUNDWATER ELEV: NA
GROUND SURFACE ELEV: NA

SCREEN DIAMETER: 2-inch
SCREEN LENGTH: 10-feet
SCREEN TYPE: PVC
CASING DIAMETER: 2-inch
CASING LENGTH: 5-feet
CASING TYPE: PVC
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
	0.0 PPM	S-1	NA	48-inches	Black, GRAVEL and FMC SAND, damp. WELL BOX →
1	0.0 PPM				[GRAVEL and FMC SAND]
	0.0 PPM				Blackish-brown, SILTY CLAY, some FMC Sand, damp.
2	0.0 PPM				[SILTY CLAY]
	0.0 PPM				Olive with black streaks, FMC SAND, little Sitly Clay, damp.
3	0.0 PPM				[FMC SAND]
	0.0 PPM				Reddish-brown, CLAY, damp.
4	0.0 PPM				
	0.0 PPM	S-2	NA	48-inches	
5	0.0 PPM				
	0.0 PPM				
6	0.0 PPM				
	0.0 PPM				
7	0.0 PPM				
	0.0 PPM				
8	0.0 PPM				Olive, FMC SAND, damp. [FMC SAND]
	0.0 PPM	S-3	NA	48-inches	Reddish-brown, SILTY CLAY, little FMC Sand, damp.
9	0.0 PPM				
	0.0 PPM				
10	0.0 PPM				
	0.0 PPM				... no FMC Sand.
11	0.0 PPM				
	0.0 PPM				
12	0.0 PPM				
	0.0 PPM	S-4	NA	48-inches	
13	0.0 PPM				
	0.0 PPM				
14	0.0 PPM				
	0.0 PPM				
15	0.0 PPM				[SILTY CLAY]
					Bottom of hole at 15-feet.
16					
17					
18					
19					

WELL CONST.



LEADER PROFESSIONAL SERVICES, INC.

2300 WEHRLE DRIVE
WILLIAMSVILLE, NEW YORK 14221

TEST BORING LOG: JULY 10, 2002 — GW-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: International Waste Removal, Inc.
DRILLING METHOD: Geoprobe
DRILLER: Mr. Edward Eagan
TOTAL DEPTH: 15-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: 2-inch
CASING LENGTH: 5-feet
CASING TYPE: PVC
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.
	0.0 PPM	S-1	NA	48-inches	Black, FMC SAND and SILTY CLAY, damp. WELL BOX →	
1	0.0 PPM					
	0.0 PPM					
2	0.0 PPM					
	0.0 PPM				... brownish-black, little Silty Clay.	
3	0.0 PPM				[FMC and SILTY CLAY]	
	0.0 PPM				Redddish-brown, CLAY, damp.	
4	0.0 PPM					
	0.0 PPM	S-2	NA	48-inches		
5	0.0 PPM					
	0.0 PPM					
6	0.0 PPM					
	0.0 PPM					
7	0.0 PPM					
	0.0 PPM					
8	0.0 PPM				... and GRAVEL.	
	0.0 PPM	S-3	NA	48-inches		
9	0.0 PPM				[CLAY]	
	0.0 PPM				Reddish-brown, SILTY CLAY, damp.	
10	0.0 PPM					
	0.0 PPM					
11	0.0 PPM					
	0.0 PPM				... some FMC Sand.	
12	0.0 PPM					
	0.0 PPM	S-4	NA	36-inches		
13	0.0 PPM				... no FMC Sand.	
	0.0 PPM					
14	0.0 PPM					
	0.0 PPM					
15	0.0 PPM				[SILTY CLAY]	
					Bottom of hole at 15-feet.	
16						
17						
18						
19						

BENTONIT
SAND

APPENDIX C
WELL DEVELOPMENT LOGS

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. May
Development Date: July 15, 2002
Start Development: 1:20 PM
End Development: 1:42 PM

Well Number: **GW-6**

1. Total Casing and Screen Length (Feet): 14.86
2. Casing Interval Diameter (inches): 2
3. Water Level Below Top of Casing (Feet): 13.51
4. Volume of Water in Casing (Gallons): 12.66

(No.1) - (No.3) x (No.2)= One Well Volume (gal/ft): 12.66

3 Well Volumes: 37.97 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	1:20 PM										
pH (meter/litmus)	7.1										
Conductivity (umhos)	NM										
Turbidity (NTU)	NM										
Temperature °C	20.2										
Eh	MN										
Time	1:42 PM										

Comments: Well purged dry after bailing approximately 2-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. May
Development Date: July 15, 2002
Start Development: 1:50 PM

Project Number: 147.007
End Development: 2:07 PM

Well Number: **GW-7**

1. Total Casing and Screen Length (Feet): 14.77
2. Casing Interval Diameter (inches): 2
3. Water Level Below Top of Casing (Feet): 13.51
4. Volume of Water in Casing (Gallons): 12.57

(No.1) - (No.3) x (No.2)= One Well Volume (gal/ft): 12.57

3 Well Volumes: 37.70 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	1:50 PM										
pH (meter/litmus)	7.1										
Conductivity (umhos)	NM										
Turbidity (NTU)	NM										
Temperature °C	20.4										
Eh	MN										
Time	2:07 PM										

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

APPENDIX D
SUMMARY TABLES

TABLE 1 HRC DISPERSION - JULY 11, 2002
RoCo, Ltd. 1746 Dale Road, Cheektowaga, New York

Monitoring Well	Injection Point	Depth of Injection Point (ft)	Total lbs of HRC per Injection Point	Notes
GW-3	IP-1	12	60	
	IP-2	12	60	
	IP-3	12	60	
	IP-4	12	90	Increased due to refusal at IP-7 and IP-8
	IP-5	12	90	Increased due to refusal at IP-7 and IP-9
	IP-6	12	60	
	IP-7	12	30	Refusal after 30-lbs
	IP-8	0	0	Refusal
	IP-9	12	90	Increased due to refusal at IP-7 and IP-8
			540	**Total Pounds of HRC Injected**

TABLE 2 SOIL ANALYSIS FOR VOLATILE ORGANIC COMPOUNDS

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

VOLATILE ORGANIC COMPOUNDS	BH-15 (2'-4')	BH-16 (4'-6')	BH-17 (8'-10')	NYSDEC Soil Cleanup Objectives
Sample Collection Date:	07/10/02	07/10/02	07/10/02	
Units:	µg/kg	µg/kg	µg/kg	µg/kg
Bromodichloromethane	ND<10.0	ND<56.0	ND<8.46	NA
Bromomethane	ND<10.0	ND<56.0	ND<8.46	NA
Bromoform	ND<10.0	ND<56.0	ND<8.46	NA
Carbon tetrachloride	ND<10.0	ND<56.0	ND<8.46	600
Chloroethane	ND<10.0	ND<56.0	ND<8.46	1,900
Chloromethane	ND<10.0	ND<56.0	ND<8.46	NA
2-Chloroethyl vinyl ether	ND<10.0	ND<56.0	ND<8.46	NA
Chloroform	ND<10.0	ND<56.0	ND<8.46	300
Dibromochloromethane	ND<10.0	ND<56.0	ND<8.46	NA
1,1-Dichloroethane	ND<10.0	ND<56.0	ND<8.46	200
1,2-Dichloroethane	ND<10.0	ND<56.0	ND<8.46	100
1,1-Dichloroethene	ND<10.0	ND<56.0	ND<8.46	400
cis-1,2-Dichloroethene	ND<10.0	609	122	NA
trans-1,2-Dichloroethene	ND<10.0	ND<56.0	ND<8.46	300
1,2-Dichloropropane	ND<10.0	ND<56.0	ND<8.46	NA
cis-1,3-Dichloropropene	ND<10.0	ND<56.0	ND<8.46	NA
trans-1,3-Dichloropropene	ND<10.0	ND<56.0	ND<8.46	NA
Methylene chloride	ND<25.0	ND<140.0	ND<21.1	100
1,1,2,2-Tetrachloroethane	ND<10.0	ND<56.0	ND<8.46	600
Tetrachloroethene	ND<10.0	ND<56.0	ND<8.46	1,400
1,1,1-Trichloroethane	ND<10.0	ND<56.0	ND<8.46	800
1,1,2-Trichloroethane	ND<10.0	ND<56.0	ND<8.46	NA
Trichloroethene	ND<10.0	800	41.8	700
Vinyl Chloride	ND<10.0	ND<56.0	ND<8.46	200
Benzene	ND<10.0	ND<56.0	ND<8.46	60
Chlorobenzene	ND<10.0	ND<56.0	ND<8.46	1,700
Ethylbenzene	ND<10.0	ND<56.0	ND<8.46	5,500
Toluene	ND<10.0	ND<56.0	ND<8.46	1,500
m,p, - xylene	ND<10.0	ND<56.0	ND<8.46	1,200
o-xylene	ND<10.0	ND<56.0	ND<8.46	1,200
Styrene	ND<10.0	ND<56.0	ND<8.46	NA
Acetone	ND<50.1	ND<280	ND<42.3	200
Vinyl acetate	ND<25.0	ND<140.0	ND<21.1	NA
2-Butanone	ND<25.0	ND<140.0	ND<21.1	300
4-Methyl-2-pentanone	ND<25.0	ND<140.0	ND<21.1	1,000
2-Hexanone	ND<25.0	ND<140.0	ND<21.1	NA
Carbon disulfide	ND<25.0	ND<140.0	ND<21.1	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 3 GROUNDWATER ANALYSIS FOR VOLATILE ORGANIC COMPOUNDS
RoCo, Ltd. 1746 Dale Road, Cheektowaga, New York

			Treatability Study - Bioremediation																	
VOLATILE ORGANIC COMPOUNDS	GW-1	GW-2	GW-3	GW-3	GW-3	GW-3	GW-3	GW-3	GW-3	GW-3	GW-5	GW-5	GW-5	GW-5	GW-5	GW-5	GW-6	GW-7	GW-7	NYSDEC Standards
Sample Collection Date:	11/09/01	11/09/01	11/09/01	09/23/02	10/24/02	11/26/02	12/31/02	01/28/03	02/27/03	06/27/03	11/09/01	01/28/03	02/27/03	06/27/03	11/09/01	09/11/03	07/16/02	07/16/02	06/27/03	
Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Bromodichloromethane	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	NA
Bromomethane	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	NA
Bromoform	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	NA
Carbon tetrachloride	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	5.0
Chloroethane	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	50.0
Chloromethane	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	NA
2-Chloroethyl vinyl ether	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	NA
Chloroform	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	7.0
Dibromochloromethane	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	50.0
1,1-Dichloroethane	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	5.0
1,2-Dichloroethane	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	5.0
1,1-Dichloroethene	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	5.0
cis-1,2-Dichloroethene (DCE)	481	14.1	4,860	5,010	7,500	4,190	3,390	4,570	4,410	7,210	4,280	3,150	4,090	3,540	10.6	61.7	271	6,120	582	5.0
trans-1,2-Dichloroethene	5.42	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	5.0
1,2-Dichloropropane	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	NA
cis-1,3-Dichloropropene	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	NA
trans-1,3-Dichloropropene	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	NA
Methylene chloride	ND<12.5	ND<5.00	ND<2,500	ND<1,000	ND<5,000	ND<2,500	ND<5,000	ND<5,000	ND<5,000	ND<5,000	ND<500	ND<250	ND<250	ND<250	ND<5.00	ND<25.0	ND<10.0	ND<250	ND<25.0	5.0
1,1,2,2-Tetrachloroethane	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	5.0
Tetrachloroethene	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	5.0
1,1,1-Trichloroethane	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	5.0
1,1,2-Trichloroethane	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	NA
Trichloroethene (TCE)	7.09	88.1	71,600	52,500	161,000	84,600	80,300	122,000	102,000	153,000	8,230	1,060	595	1,170	ND<2.00	ND<10.0	61.8	624	158	5.0
Vinyl Chloride	291	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	707	791	507	535	ND<2.00	ND<10.0	211	1,410	306	2.0
Benzene	ND<5.00	ND<2.00	ND<1,000	ND<140	ND<700	ND<350	ND<700	ND<700	ND<700	ND<700	ND<200	ND<35.0	ND<35.0	ND<35.0	7.66	ND<3.50	7.64	ND<35.0	ND<3.50	0.70
Chlorobenzene	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	5.0
Ethylbenzene	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	5.0
Toluene	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	5.0
m,p, - xylene	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	5.0
o-xylene	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	5.0
Styrene	ND<5.00	ND<2.00	ND<1,000	ND<400	ND<2,000	ND<1,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<200	ND<100	ND<100	ND<100	ND<2.00	ND<10.0	ND<4.00	ND<100	ND<10.0	NA
Acetone	ND<25.00	ND<10.0	ND<5,000	ND<2,000	ND<10,000	ND<5,000	ND<10,000	ND<10,000	ND<2,000	ND<2,000	ND<1,000	ND<500	ND<500	ND<500	ND<10.00	ND<50.0	50.7	ND<500	ND<50.0	50.0
Vinyl acetate	ND<12.50	ND<5.00	ND<2,500	ND<1,000	ND<5,000	ND<2,500	ND<5,000	ND<2,000	ND<2,000	ND<2,000	ND<500	ND<250	ND<250	ND<250	ND<5.00	ND<25.0	ND<10.0	ND<250	ND<25.0	NA
2-Butanone	ND<12.50	ND<5.00	ND<2,500	ND<1,000	ND<5,000	ND<2,500	ND<5,000	ND<2,000	ND<2,000	ND<2,000	ND<500	ND<250	ND<250	ND<250	ND<5.00	ND<25.0	ND<10.0	ND<250	ND<25.0	50.0
4-Methyl-2-pentanone	ND<12.50	ND<5.00	ND<2,500	ND<1,000	ND<5,000	ND<2,500	ND<5,000	ND<2,000	ND<2,000	ND<2,000	ND<500	ND<250	ND<250	ND<250	ND<5.00	ND<25.0	ND<10.0	ND<250	ND<25.0	50.0
2-Hexanone	ND<12.50	ND<5.00	ND<2,500	ND<1,000	ND<5,000	ND<2,500	ND<5,000	ND<2,000	ND<2,000	ND<2,000	ND<500	ND<250	ND<250	ND<250	ND<5.00	ND<25.0	ND<10.0	ND<250	ND<25.0	NA
Carbon disulfide	ND<12.50	ND<5.00	ND<2,500	ND<1,000	ND<5,000	ND<2,500	ND<5,000	ND<2,000	ND<2,000	ND<2,000	ND<500	ND<250	ND<250	ND<250	ND<5.00	ND<25.0	ND<10.0	ND<250	ND<25.0	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 4 GROUNDWATER ANALYSIS

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

	Treatability Study - Bioremediation											
VOLATILE ORGANIC COMPOUNDS	GW-3	GW-3	GW-3	GW-3	GW-3	GW-3	GW-3	GW-3	GW-3	GW-3	GW-3	GW-3
Sample Collection Date:	11/09/01	09/23/02	10/24/02	11/26/02	12/31/02	01/28/03	02/27/03	06/27/03	11/09/01	01/28/03	02/27/03	07/05/03
Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Sulfate	NA	NA	NA	NA	NA	58.0	60.0	74.0	NA	89.0	100.0	80.0
Total Organic Carbon	NA	NA	NA	NA	NA	8.9	7.0	6.8	NA	6.1	7.4	5.6
Iron	NA	NA	NA	NA	NA	<0.100	0.123	<0.100	NA	<0.100	<0.100	<0.100

Notes:

1) Concentrations are in mg/l, or ppm.
2) NA (Not Available)

TABLE 5 GROUNDWATER ANALYSIS FOR VOLATILE ORGANIC COMPOUNDS
RoCo, Ltd. 1746 Dale Road, Cheektowaga, New York

	Bioremediation Pilot Study								
VOLATILE ORGANIC COMPOUNDS	GW-3	GW-3	GW-3	GW-3	GW-3	GW-3	GW-3	GW-3	
Sample Collection Date:	11/9/01	9/23/02	10/24/02	11/26/02	12/31/02	1/28/03	2/27/03	6/27/03	% INCREASE
Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
Trichloroethene (TCE)	71,600	52,500	161,000	84,600	80,300	122,000	102,000	153,000	53.20%
cis-1,2-Dichloroethene (DCE)	4,860	5,010	7,500	4,190	3,390	4,570	4,410	7,210	32.59%

VOLATILE ORGANIC COMPOUNDS					
Sample Collection Date:	11/9/01	1/28/03	2/27/03	6/27/03	% REDUCTION
Units:	µg/L	µg/L	µg/L	µg/L	
Trichloroethene (TCE)	8,230	1,060	595	1,170	85.78%
cis-1,2-Dichloroethene (DCE)	4,280	3,150	4,000	3,540	17.29%
Vinyl Chloride	707	791	507	535	24.33%

VOLATILE ORGANIC COMPOUNDS	GW-7	GW-7	
Sample Collection Date:	7/16/02	6/27/03	% REDUCTION
Units:	µg/L	µg/L	
Trichloroethene (TCE)	624	158	74.68%
cis-1,2-Dichloroethene (DCE)	6,120	582	90.49%
Vinyl Chloride	1,410	36.0	97.45%

TABLE 6 HRC-X DISPERSION - REMEDIAL PLAN
RoCo, Ltd. 1746 Dale Road, Cheektowaga, New York

Injection Point	Depth of Injection Point (ft)	Total lbs of HRC per Injection Point	Notes:
IP-1	12	90	
IP-2	12	90	
IP-3	12	90	
IP-4	12	90	
IP-5	12	90	
IP-6	12	90	
IP-7	12	40	
IP-8	12	40	
IP-9	12	60	
IP-10	12	60	
IP-11	12	60	
IP-12	12	60	
IP-13	12	60	
IP-14	12	60	
IP-15	12	60	
IP-16	12	60	
IP-17	12	60	
IP-18	12	40	
IP-19	12	40	
IP-20	12	40	
IP-21	12	40	
IP-22	12	40	
IP-23	12	40	
IP-24	12	40	
IP-25	12	40	
		1480	**Total Pounds of HRC-X Proposed**

APPENDIX E
ANALYTICAL LABORATORY REPORTS

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Leader Professional Services, Inc.

Client Job Site:	RoCo	**Lab Project Number:**	02-1734
		Lab Sample Number:	6498
Client Job Number:	147.007		
Field Location:	BH-15 (2'-4')	**Date Sampled:**	07/10/2002
Field ID Number:	N/A	**Date Received:**	07/12/2002
Sample Type:	Soil	**Date Analyzed:**	07/18/2002

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 10.0
Bromomethane	ND< 10.0
Bromoform	ND< 10.0
Carbon tetrachloride	ND< 10.0
Chloroethane	ND< 10.0
Chloromethane	ND< 10.0
2-Chloroethyl vinyl ether	ND< 10.0
Chloroform	ND< 10.0
Dibromochloromethane	ND< 10.0
1,1-Dichloroethane	ND< 10.0
1,2-Dichloroethane	ND< 10.0
1,1-Dichloroethene	ND< 10.0
cis-1,2-Dichloroethene	ND< 10.0
trans-1,2-Dichloroethene	ND< 10.0
1,2-Dichloropropane	ND< 10.0
cis-1,3-Dichloropropene	ND< 10.0
trans-1,3-Dichloropropene	ND< 10.0
Methylene chloride	ND< 25.0
1,1,2,2-Tetrachloroethane	ND< 10.0
Tetrachloroethene	ND< 10.0
1,1,1-Trichloroethane	ND< 10.0
1,1,2-Trichloroethane	ND< 10.0
Trichloroethene	ND< 10.0
Trichlorofluoromethane	ND< 10.0
Vinyl Chloride	ND< 10.0

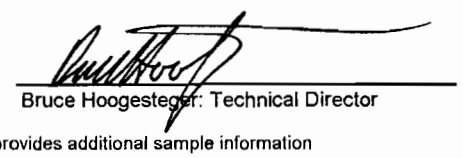
Aromatics	Results in ug / Kg
Benzene	ND< 10.0
Chlorobenzene	ND< 10.0
Ethylbenzene	ND< 10.0
Toluene	ND< 10.0
m,p - Xylene	ND< 10.0
o - Xylene	ND< 10.0
Styrene	ND< 10.0
1,2-Dichlorobenzene	ND< 10.0
1,3-Dichlorobenzene	ND< 10.0
1,4-Dichlorobenzene	ND< 10.0

Ketones	Results in ug / Kg
Acetone	ND< 50.1
2-Butanone	ND< 25.0
2-Hexanone	ND< 25.0
4-Methyl-2-pentanone	ND< 25.0

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 25.0
Vinyl acetate	ND< 25.0

ELAP Number 10958 Method: EPA 8260B Data File: 60592.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: 
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 021734V1.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Leader Professional Services, Inc.

Client Job Site:	RoCo	**Lab Project Number:**	02-1734
		Lab Sample Number:	6499
Client Job Number:	147.007		
Field Location:	BH-16 (4'-6')	**Date Sampled:**	07/10/2002
Field ID Number:	N/A	**Date Received:**	07/12/2002
Sample Type:	Soil	**Date Analyzed:**	07/19/2002

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 56.0
Bromomethane	ND< 56.0
Bromoform	ND< 56.0
Carbon tetrachloride	ND< 56.0
Chloroethane	ND< 56.0
Chloromethane	ND< 56.0
2-Chloroethyl vinyl ether	ND< 56.0
Chloroform	ND< 56.0
Dibromochloromethane	ND< 56.0
1,1-Dichloroethane	ND< 56.0
1,2-Dichloroethane	ND< 56.0
1,1-Dichloroethene	ND< 56.0
cis-1,2-Dichloroethene	609
trans-1,2-Dichloroethene	ND< 56.0
1,2-Dichloropropane	ND< 56.0
cis-1,3-Dichloropropene	ND< 56.0
trans-1,3-Dichloropropene	ND< 56.0
Methylene chloride	ND< 140
1,1,2,2-Tetrachloroethane	ND< 56.0
Tetrachloroethene	ND< 56.0
1,1,1-Trichloroethane	ND< 56.0
1,1,2-Trichloroethane	ND< 56.0
Trichloroethene	800
Trichlorofluoromethane	ND< 56.0
Vinyl Chloride	ND< 56.0

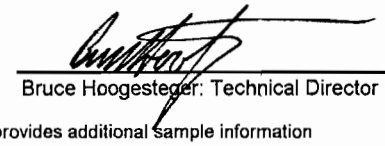
Aromatics	Results in ug / Kg
Benzene	ND< 56.0
Chlorobenzene	ND< 56.0
Ethylbenzene	ND< 56.0
Toluene	ND< 56.0
m,p - Xylene	ND< 56.0
o - Xylene	ND< 56.0
Styrene	ND< 56.0
1,2-Dichlorobenzene	ND< 56.0
1,3-Dichlorobenzene	ND< 56.0
1,4-Dichlorobenzene	ND< 56.0

Ketones	Results in ug / Kg
Acetone	ND< 280
2-Butanone	ND< 140
2-Hexanone	ND< 140
4-Methyl-2-pentanone	ND< 140

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 140
Vinyl acetate	ND< 140

ELAP Number 10958 Method: EPA 8260B Data File: 60613.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 021734V2.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Leader Professional Services, Inc.

Client Job Site:	RoCo	**Lab Project Number:**	02-1734
		Lab Sample Number:	6500
Client Job Number:	147.007		
Field Location:	BH-17 (8'-10')	**Date Sampled:**	07/10/2002
Field ID Number:	N/A	**Date Received:**	07/12/2002
Sample Type:	Soil	**Date Analyzed:**	07/19/2002

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.46
Bromomethane	ND< 8.46
Bromoform	ND< 8.46
Carbon tetrachloride	ND< 8.46
Chloroethane	ND< 8.46
Chloromethane	ND< 8.46
2-Chloroethyl vinyl ether	ND< 8.46
Chloroform	ND< 8.46
Dibromochloromethane	ND< 8.46
1,1-Dichloroethane	ND< 8.46
1,2-Dichloroethane	ND< 8.46
1,1-Dichloroethene	ND< 8.46
cis-1,2-Dichloroethene	122
trans-1,2-Dichloroethene	ND< 8.46
1,2-Dichloropropane	ND< 8.46
cis-1,3-Dichloropropene	ND< 8.46
trans-1,3-Dichloropropene	ND< 8.46
Methylene chloride	ND< 21.1
1,1,2,2-Tetrachloroethane	ND< 8.46
Tetrachloroethene	ND< 8.46
1,1,1-Trichloroethane	ND< 8.46
1,1,2-Trichloroethane	ND< 8.46
Trichloroethene	41.8
Trichlorofluoromethane	ND< 8.46
Vinyl Chloride	ND< 8.46

Aromatics	Results in ug / Kg
Benzene	ND< 8.46
Chlorobenzene	ND< 8.46
Ethylbenzene	ND< 8.46
Toluene	ND< 8.46
m,p - Xylene	ND< 8.46
o - Xylene	ND< 8.46
Styrene	ND< 8.46
1,2-Dichlorobenzene	ND< 8.46
1,3-Dichlorobenzene	ND< 8.46
1,4-Dichlorobenzene	ND< 8.46

Ketones	Results in ug / Kg
Acetone	ND< 42.3
2-Butanone	ND< 21.1
2-Hexanone	ND< 21.1
4-Methyl-2-pentanone	ND< 21.1

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 21.1
Vinyl acetate	ND< 21.1

ELAP Number 10958 Method: EPA 8260B Data File: 60614.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: 
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 021734V3.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Matrix Spike Analysis Report for Soils/Solids/Sludges

Client: Leader Professional Services, Inc.

Client Job Site:	RoCo	**Lab Project Number:**	02-1734
Client Job Number:	147.007		
Field Location:	BH-16 (4'-6')	**Date Sampled:**	07/10/2002
Field ID Number:	N/A	**Date Received:**	07/12/2002
Sample Type:	Soil	**Date Analyzed:**	07/18/2002

Lab Sample Number: 6499

Matrix Spike Recovery Table

Spiked Compound		% Recovery
1,1-Dichloroethene		44.9
Trichloroethene		D
Benzene		87.0
Toluene		108
Chlorobenzene		108

Lab Sample Number: 6499

Matrix Spike Duplicate Recovery Table

Spiked Compound		% Recovery
1,1-Dichloroethene		46.1
Trichloroethene		D
Benzene		89.7
Toluene		107
Chlorobenzene		109

ELAP Number 10958 Method: EPA 8260B

Comments: ND denotes Not Detected
D denotes Diluted out

Signature:

Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 021734V4.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:		
COMPANY:	COMPANY:	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	ADDRESS:		
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:	PHONE: FAX:	STD	OTHER
PROJECT NAME/SITE NAME:	ATTN:	ATTN:	☐ 1 ☐ 2 ☐ 3 ☑ 5 ☐
	COMMENTS:		

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS										REMARKS	PARADIGM LAB SAMPLE NUMBER				
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation:	CONTAINER TYPE: ☐	PRESERVATIONS: ☐	HOLDING TIME: ☐	TEMPERATURE: ☐

Sampled By:	Date/Time:	Relinquished By:	Date/Time:	Total Cost:
Relinquished By:	Date/Time:	Received By:	Date/Time:	
Received By:	Date/Time:	Received @ Lab By:	Date/Time:	P.I.F.

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CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:		
COMPANY:	COMPANY:	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	ADDRESS:		
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:	PHONE: FAX:		STD / OTHER
PROJECT NAME/SITE NAME:	ATTN:	ATTN:	☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐
	COMMENTS:		

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS										REMARKS	PARADIGM LAB SAMPLE NUMBER
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐

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

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Leader Professional Services

Client Job Site:	RoCo	**Lab Project Number:**	02-1776
		Lab Sample Number:	6619
Client Job Number:	147.007		
Field Location:	GW-6	**Date Sampled:**	07/16/2002
Field ID Number:	N/A	**Date Received:**	07/17/2002
Sample Type:	Water	**Date Analyzed:**	07/22/2002

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 4.00
Bromomethane	ND< 4.00
Bromoform	ND< 4.00
Carbon tetrachloride	ND< 4.00
Chloroethane	ND< 4.00
Chloromethane	ND< 4.00
2-Chloroethyl vinyl ether	ND< 4.00
Chloroform	ND< 4.00
Dibromochloromethane	ND< 4.00
1,1-Dichloroethane	ND< 4.00
1,2-Dichloroethane	ND< 4.00
1,1-Dichloroethene	ND< 4.00
cis-1,2-Dichloroethene	271
trans-1,2-Dichloroethene	ND< 4.00
1,2-Dichloropropane	ND< 4.00
cis-1,3-Dichloropropene	ND< 4.00
trans-1,3-Dichloropropene	ND< 4.00
Methylene chloride	ND< 10.0
1,1,2,2-Tetrachloroethane	ND< 4.00
Tetrachloroethene	ND< 4.00
1,1,1-Trichloroethane	ND< 4.00
1,1,2-Trichloroethane	ND< 4.00
Trichloroethene	61.8
Trichlorofluoromethane	ND< 4.00
Vinyl Chloride	211

Aromatics	Results in ug / L
Benzene	7.64
Chlorobenzene	ND< 4.00
Ethylbenzene	ND< 4.00
Toluene	ND< 4.00
m,p - Xylene	ND< 4.00
o - Xylene	ND< 4.00
Styrene	ND< 4.00
1,2-Dichlorobenzene	ND< 4.00
1,3-Dichlorobenzene	ND< 4.00
1,4-Dichlorobenzene	ND< 4.00

Ketones	Results in ug / L
Acetone	50.7
2-Butanone	ND< 10.0
2-Hexanone	ND< 10.0
4-Methyl-2-pentanone	ND< 10.0

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 10.0
Vinyl acetate	ND< 10.0

ELAP Number 10958 Method: EPA 8260B Data File: 60646.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 021776V1.XLS

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ENVIRONMENTAL SERVICES, INC.
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Volatile Analysis Report for Non-potable Water

Client: Leader Professional Services

Client Job Site:	RoCo	**Lab Project Number:**	02-1776
		Lab Sample Number:	6620
Client Job Number:	147.007		
Field Location:	GW-7	**Date Sampled:**	07/16/2002
Field ID Number:	N/A	**Date Received:**	07/17/2002
Sample Type:	Water	**Date Analyzed:**	07/22/2002

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 100
Bromomethane	ND< 100
Bromoform	ND< 100
Carbon tetrachloride	ND< 100
Chloroethane	ND< 100
Chloromethane	ND< 100
2-Chloroethyl vinyl ether	ND< 100
Chloroform	ND< 100
Dibromochloromethane	ND< 100
1,1-Dichloroethane	ND< 100
1,2-Dichloroethane	ND< 100
1,1-Dichloroethene	ND< 100
cis-1,2-Dichloroethene	6,120
trans-1,2-Dichloroethene	ND< 100
1,2-Dichloropropane	ND< 100
cis-1,3-Dichloropropene	ND< 100
trans-1,3-Dichloropropene	ND< 100
Methylene chloride	ND< 250
1,1,2,2-Tetrachloroethane	ND< 100
Tetrachloroethene	ND< 100
1,1,1-Trichloroethane	ND< 100
1,1,2-Trichloroethane	ND< 100
Trichloroethene	624
Trichlorofluoromethane	ND< 100
Vinyl Chloride	1,410

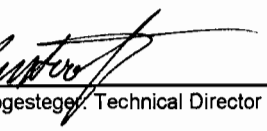
Aromatics	Results in ug / L
Benzene	ND< 35.0
Chlorobenzene	ND< 100
Ethylbenzene	ND< 100
Toluene	ND< 100
m,p - Xylene	ND< 100
o - Xylene	ND< 100
Styrene	ND< 100
1,2-Dichlorobenzene	ND< 100
1,3-Dichlorobenzene	ND< 100
1,4-Dichlorobenzene	ND< 100

Ketones	Results in ug / L
Acetone	ND< 500
2-Butanone	ND< 250
2-Hexanone	ND< 250
4-Methyl-2-pentanone	ND< 250

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 250
Vinyl acetate	ND< 250

ELAP Number 10958 Method: EPA 8260B Data File: 60647.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: 

Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 021776V2.XLS

PARADIGM
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Volatile Analysis Report for Non-potable Water

Client: Leader Professional Services

Client Job Site:	RoCo	**Lab Project Number:**	02-1776
		Lab Sample Number:	6621
Client Job Number:	147.007		
Field Location:	SP	**Date Sampled:**	07/11/2002
Field ID Number:	N/A	**Date Received:**	07/17/2002
Sample Type:	Water	**Date Analyzed:**	07/22/2002

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl ether	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
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Trichlorofluoromethane	ND< 2.00
Vinyl Chloride	ND< 2.00

Aromatics	Results in ug / L
Benzene	ND< 0.700
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p - Xylene	ND< 2.00
o - Xylene	ND< 2.00
Styrene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in ug / L
Acetone	ND< 10.0
2-Butanone	ND< 5.00
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10958 Method: EPA 8260B Data File: 60648.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 021776V3.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC.
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Volatile Analysis Report for Non-potable Water

Client: Leader Professional Services

Client Job Site:	RoCo	**Lab Project Number:**	02-1776
		Lab Sample Number:	6622
Client Job Number:	147.007		
Field Location:	B	**Date Sampled:**	07/11/2002
Field ID Number:	N/A	**Date Received:**	07/17/2002
Sample Type:	Water	**Date Analyzed:**	07/21/2002

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl ether	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
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Trichlorofluoromethane	ND< 2.00
Vinyl Chloride	ND< 2.00

Aromatics	Results in ug / L
Benzene	ND< 0.700
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p - Xylene	ND< 2.00
o - Xylene	ND< 2.00
Styrene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in ug / L
Acetone	39.4
2-Butanone	ND< 5.00
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10958 Method: EPA 8260B Data File: 60634.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: 

Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 021776v4.xls

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COMPANY:	COMPANY:	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	ADDRESS:		
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:	PHONE: FAX:	STD	OTHER
PROJECT NAME/SITE NAME:	ATTN:	☐ 1 ☐ 2 ☐ 3 ☑ 5	☐
	COMMENTS:		

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS										REMARKS	PARADIGM LAB SAMPLE NUMBER
1				✓														
2				✓														
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation:	CONTAINER TYPE: ☑	PRESERVATIONS: ☑	HOLDING TIME: ☐	TEMPERATURE: ☐

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

Total Cost:

P.I.F.

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ADDRESS:	ADDRESS:		
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:	PHONE: FAX:	STD	OTHER
PROJECT NAME/SITE NAME:	ATTN:	ATTN:	☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐
	COMMENTS:		

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS										REMARKS	PARADIGM LAB SAMPLE NUMBER				
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐

Sampled By:	Date/Time:	Relinquished By:	Date/Time:	Total Cost:
Relinquished By:	Date/Time:	Received By:	Date/Time:	
Received By:	Date/Time:	Received @ Lab By:	Date/Time:	P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Leader Professional Services, Inc

Client Job Site:	RoCo	**Lab Project Number:**	02-2466
		Lab Sample Number:	8870
Client Job Number:	147.007		
Field Location:	GW-3	**Date Sampled:**	09/23/2002
Field ID Number:	N/A	**Date Received:**	09/26/2002
Sample Type:	Water	**Date Analyzed:**	10/02/2002

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 400
Bromomethane	ND< 400
Bromoform	ND< 400
Carbon tetrachloride	ND< 400
Chloroethane	ND< 400
Chloromethane	ND< 400
2-Chloroethyl vinyl ether	ND< 400
Chloroform	ND< 400
Dibromochloromethane	ND< 400
1,1-Dichloroethane	ND< 400
1,2-Dichloroethane	ND< 400
1,1-Dichloroethene	ND< 400
cis-1,2-Dichloroethene	5,010
trans-1,2-Dichloroethene	ND< 400
1,2-Dichloropropane	ND< 400
cis-1,3-Dichloropropene	ND< 400
trans-1,3-Dichloropropene	ND< 400
Methylene chloride	ND< 1,000
1,1,2,2-Tetrachloroethane	ND< 400
Tetrachloroethene	ND< 400
1,1,1-Trichloroethane	ND< 400
1,1,2-Trichloroethane	ND< 400
Trichloroethene	52,500
Trichlorofluoromethane	ND< 400
Vinyl Chloride	ND< 400

Aromatics	Results in ug / L
Benzene	ND< 140
Chlorobenzene	ND< 400
Ethylbenzene	ND< 400
Toluene	ND< 400
m,p - Xylene	ND< 400
o - Xylene	ND< 400
Styrene	ND< 400
1,2-Dichlorobenzene	ND< 400
1,3-Dichlorobenzene	ND< 400
1,4-Dichlorobenzene	ND< 400

Ketones	Results in ug / L
Acetone	ND< 2,000
2-Butanone	ND< 1,000
2-Hexanone	ND< 1,000
4-Methyl-2-pentanone	ND< 1,000

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 1,000
Vinyl acetate	ND< 1,000

ELAP Number 10958 Method: EPA 8260B Data File: 62012.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 022466V1.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Leader Professional Services, Inc

Client Job Site:	RoCo	**Lab Project Number:**	02-2466
		Lab Sample Number:	8871
Client Job Number:	147.007		
Field Location:	GW-6	**Date Sampled:**	09/23/2002
Field ID Number:	N/A	**Date Received:**	09/26/2002
Sample Type:	Water	**Date Analyzed:**	09/29/2002

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl ether	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	85.2
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	53.3
Trichlorofluoromethane	ND< 2.00
Vinyl Chloride	107

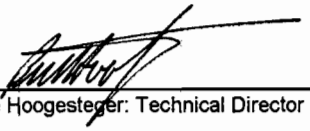
Aromatics	Results in ug / L
Benzene	1.85
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p - Xylene	ND< 2.00
o - Xylene	ND< 2.00
Styrene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in ug / L
Acetone	17.4
2-Butanone	ND< 5.00
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10958 Method: EPA 8260B Data File: 61968.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: 
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 022466V2.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.
179 Lake Avenue
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CHAIN OF CUSTODY

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

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER	ANALYTICAL COSTS
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME	SAMPLE CONDITION	CHECK #	TOTAL COST	
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME	CARRIER COMPANY	AIR BILL NO.	P.I.F	
RELINQUISHED BY:	DATE/TIME	RECEIVED @ LAB BY:	DATE/TIME	CARRIER PHONE #	DATE RESULTS REPORTED BY:		DATE/TIME

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

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CHAIN OF CUSTODY

REPORT TO:			INVOICE TO:			LAB PROJECT #
COMPANY			COMPANY			
ADDRESS			ADDRESS			
CITY	STATE	ZIP	CITY	STATE	ZIP	P.O. #
ATT.	PHONE#		ATT.	PHONE#		
PROJECT NAME/SITE NAME:	FAX#		FAX#			☐ ADDENDUM
	COMMENTS:					
PROJECT #:			TURN AROUND TIME (WORKING DAYS)	☐ ONE ☐ THREE ☑ FIVE(STD) ☐ OTHER		
			REPRESENTATIVE:			

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER	ANALYTICAL COSTS
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME	SAMPLE CONDITION	CHECK #	TOTAL COST	
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME	CARRIER COMPANY	AIR BILL NO.	P.I.F	
RELINQUISHED BY:	DATE/TIME	RECEIVED @ LAB BY:	DATE/TIME	CARRIER PHONE #	DATE RESULTS REPORTED BY:		DATE/TIME

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

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Leader Professional Services

Client Job Site:	RoCo	**Lab Project Number:**	02-2742
		Lab Sample Number:	10580
Client Job Number:	147.007		
Field Location:	GW-3	**Date Sampled:**	10/24/2002
Field ID Number:	N/A	**Date Received:**	10/24/2002
Sample Type:	Water	**Date Analyzed:**	10/31/2002

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2,000
Bromomethane	ND< 2,000
Bromoform	ND< 2,000
Carbon tetrachloride	ND< 2,000
Chloroethane	ND< 2,000
Chloromethane	ND< 2,000
2-Chloroethyl vinyl ether	ND< 2,000
Chloroform	ND< 2,000
Dibromochloromethane	ND< 2,000
1,1-Dichloroethane	ND< 2,000
1,2-Dichloroethane	ND< 2,000
1,1-Dichloroethene	ND< 2,000
cis-1,2-Dichloroethene	7,500
trans-1,2-Dichloroethene	ND< 2,000
1,2-Dichloropropane	ND< 2,000
cis-1,3-Dichloropropene	ND< 2,000
trans-1,3-Dichloropropene	ND< 2,000
Methylene chloride	ND< 5,000
1,1,2,2-Tetrachloroethane	ND< 2,000
Tetrachloroethene	ND< 2,000
1,1,1-Trichloroethane	ND< 2,000
1,1,2-Trichloroethane	ND< 2,000
Trichloroethene	161,000
Trichlorofluoromethane	ND< 2,000
Vinyl Chloride	ND< 2,000

Aromatics	Results in ug / L
Benzene	ND< 700
Chlorobenzene	ND< 2,000
Ethylbenzene	ND< 2,000
Toluene	ND< 2,000
m,p - Xylene	ND< 2,000
o - Xylene	ND< 2,000
Styrene	ND< 2,000
1,2-Dichlorobenzene	ND< 2,000
1,3-Dichlorobenzene	ND< 2,000
1,4-Dichlorobenzene	ND< 2,000

Ketones	Results in ug / L
Acetone	ND< 10,000
2-Butanone	ND< 5,000
2-Hexanone	ND< 5,000
4-Methyl-2-pentanone	ND< 5,000

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5,000
Vinyl acetate	ND< 5,000

ELAP Number 10958 Method: EPA 8260B Data File: 62507.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 022742v1.xls

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997
FAX: (716) 647-3311

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 #:
CLIENT PROJECT #:

TURNAROUND TIME: (WORKING DAYS)

STD OTHER

☐ 1 ☐ 2 ☐ 3 ☒ 5 ☐

PROJECT NAME/SITE NAME:

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS										REMARKS	PARADIGM LAB SAMPLE NUMBER				
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation:

CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐

Sampled By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time:

Received @ Lab By: Date/Time:

Total Cost:

P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997
FAX: (716) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:		
COMPANY:	COMPANY:	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	ADDRESS:		
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:	PHONE: FAX:	STD	OTHER
PROJECT NAME/SITE NAME:	ATTN:	ATTN:	☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐
	COMMENTS:		

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS										REMARKS	PARADIGM LAB SAMPLE NUMBER
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐

Sampled By:	Date/Time:	Relinquished By:	Date/Time:	Total Cost:
Relinquished By:	Date/Time:	Received By:	Date/Time:	
Received By:	Date/Time:	Received @ Lab By:	Date/Time:	P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Leader Professional Services

Client Job Site:	RoCo	**Lab Project Number:**	02-3220
		Lab Sample Number:	11970
Client Job Number:	147.007		
Field Location:	GW-3	**Date Sampled:**	11/26/2002
Field ID Number:	N/A	**Date Received:**	12/02/2002
Sample Type:	Water	**Date Analyzed:**	12/04/2002

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 1,000
Bromomethane	ND< 1,000
Bromoform	ND< 1,000
Carbon tetrachloride	ND< 1,000
Chloroethane	ND< 1,000
Chloromethane	ND< 1,000
2-Chloroethyl vinyl ether	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	4,190
trans-1,2-Dichloroethene	ND< 1,000
1,2-Dichloropropane	ND< 1,000
cis-1,3-Dichloropropene	ND< 1,000
trans-1,3-Dichloropropene	ND< 1,000
Methylene chloride	ND< 2,500
1,1,2,2-Tetrachloroethane	ND< 1,000
Tetrachloroethene	ND< 1,000
1,1,1-Trichloroethane	ND< 1,000
1,1,2-Trichloroethane	ND< 1,000
Trichloroethene	84,600
Trichlorofluoromethane	ND< 1,000
Vinyl Chloride	ND< 1,000

Aromatics	Results in ug / L
Benzene	ND< 350
Chlorobenzene	ND< 1,000
Ethylbenzene	ND< 1,000
Toluene	ND< 1,000
m,p - Xylene	ND< 1,000
o - Xylene	ND< 1,000
Styrene	ND< 1,000
1,2-Dichlorobenzene	ND< 1,000
1,3-Dichlorobenzene	ND< 1,000
1,4-Dichlorobenzene	ND< 1,000

Ketones	Results in ug / L
Acetone	ND< 5,000
2-Butanone	ND< 2,500
2-Hexanone	ND< 2,500
4-Methyl-2-pentanone	ND< 2,500

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 2,500
Vinyl acetate	ND< 2,500

ELAP Number 10958 Method: EPA 8260B Data File: 63110.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 023220V1.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:		
COMPANY:	COMPANY:	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	ADDRESS:		
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:	PHONE: FAX:	STD ☐ 1 ☐ 2 ☐ 3 ☑ 5	OTHER ☐
PROJECT NAME/SITE NAME:	ATTN:	ATTN:	
	COMMENTS:		

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS										REMARKS	PARADIGM LAB SAMPLE NUMBER				
1			✓			2	X														
2																					
3																					
4																					
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6																					
7																					
8																					
9																					
10																					

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐

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

Total Cost:

P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997
FAX: (716) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:		
COMPANY:	COMPANY:	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	ADDRESS:		
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:	PHONE: FAX:	STD	OTHER
PROJECT NAME/SITE NAME:	ATTN:	ATTN:	☐ 1 ☐ 2 ☐ 3 ☑ 5 ☐
	COMMENTS:		

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS										REMARKS	PARADIGM LAB SAMPLE NUMBER				
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐

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

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Leader Professional Services, Inc.

Client Job Site:	RoCo	**Lab Project Number:**	03-0110
		Lab Sample Number:	1023
Client Job Number:	147.007		
Field Location:	GW-3	**Date Sampled:**	12/31/2002
Field ID Number:	N/A	**Date Received:**	01/03/2003
Sample Type:	Water	**Date Analyzed:**	01/07/2003

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2,000
Bromomethane	ND< 2,000
Bromoform	ND< 2,000
Carbon tetrachloride	ND< 2,000
Chloroethane	ND< 2,000
Chloromethane	ND< 2,000
2-Chloroethyl vinyl ether	ND< 2,000
Chloroform	ND< 2,000
Dibromochloromethane	ND< 2,000
1,1-Dichloroethane	ND< 2,000
1,2-Dichloroethane	ND< 2,000
1,1-Dichloroethene	ND< 2,000
cis-1,2-Dichloroethene	3,390
trans-1,2-Dichloroethene	ND< 2,000
1,2-Dichloropropane	ND< 2,000
cis-1,3-Dichloropropene	ND< 2,000
trans-1,3-Dichloropropene	ND< 2,000
Methylene chloride	ND< 5,000
1,1,2,2-Tetrachloroethane	ND< 2,000
Tetrachloroethene	ND< 2,000
1,1,1-Trichloroethane	ND< 2,000
1,1,2-Trichloroethane	ND< 2,000
Trichloroethene	80,300
Trichlorofluoromethane	ND< 2,000
Vinyl Chloride	ND< 2,000

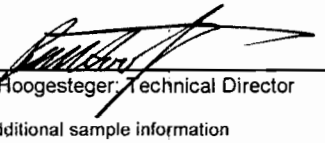
Aromatics	Results in ug / L
Benzene	ND< 700
Chlorobenzene	ND< 2,000
Ethylbenzene	ND< 2,000
Toluene	ND< 2,000
m,p - Xylene	ND< 2,000
o - Xylene	ND< 2,000
Styrene	ND< 2,000
1,2-Dichlorobenzene	ND< 2,000
1,3-Dichlorobenzene	ND< 2,000
1,4-Dichlorobenzene	ND< 2,000

Ketones	Results in ug / L
Acetone	ND< 10,000
2-Butanone	ND< 5,000
2-Hexanone	ND< 5,000
4-Methyl-2-pentanone	ND< 5,000

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5,000
Vinyl acetate	ND< 5,000

ELAP Number 10958 Method: EPA 8260B Data File: 63439.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: 

Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 030110V1.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997
FAX: (716) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:		
COMPANY:	COMPANY: Same	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	ADDRESS:		
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:	PHONE: FAX:	STD	OTHER
PROJECT NAME/SITE NAME:	ATTN:	ATTN:	☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐
	COMMENTS:		

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS										REMARKS	PARADIGM LAB SAMPLE NUMBER				
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation:	CONTAINER TYPE: ☐	PRESERVATIONS: ☐	HOLDING TIME: ☐	TEMPERATURE: ☐

Sampled By:	Date/Time:	Relinquished By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Received By:	Date/Time: 11:00 AM	Received @ Lab By:	Date/Time:

Total Cost:

P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997
FAX: (716) 647-3311

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 #:
CLIENT PROJECT #:

TURNAROUND TIME: (WORKING DAYS)

STD OTHER

☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐

PROJECT NAME/SITE NAME:

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS										REMARKS	PARADIGM LAB SAMPLE NUMBER
1								✓										
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:

CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐

Sampled By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time:

Received @ Lab By: Date/Time:

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Leader Professional Services

Client Job Site:	RoCo	**Lab Project Number:**	03-0355
		Lab Sample Number:	1786
Client Job Number:	147.007		
Field Location:	GW-3	**Date Sampled:**	01/28/2003
Field ID Number:	N/A	**Date Received:**	01/29/2003
Sample Type:	Water	**Date Analyzed:**	02/04/2003

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2,000
Bromomethane	ND< 2,000
Bromoform	ND< 2,000
Carbon tetrachloride	ND< 2,000
Chloroethane	ND< 2,000
Chloromethane	ND< 2,000
2-Chloroethyl vinyl ether	ND< 2,000
Chloroform	ND< 2,000
Dibromochloromethane	ND< 2,000
1,1-Dichloroethane	ND< 2,000
1,2-Dichloroethane	ND< 2,000
1,1-Dichloroethene	ND< 2,000
cis-1,2-Dichloroethene	4,570
trans-1,2-Dichloroethene	ND< 2,000
1,2-Dichloropropane	ND< 2,000
cis-1,3-Dichloropropene	ND< 2,000
trans-1,3-Dichloropropene	ND< 2,000
Methylene chloride	ND< 5,000
1,1,2,2-Tetrachloroethane	ND< 2,000
Tetrachloroethene	ND< 2,000
1,1,1-Trichloroethane	ND< 2,000
1,1,2-Trichloroethane	ND< 2,000
Trichloroethene	122,000
Trichlorofluoromethane	ND< 2,000
Vinyl Chloride	ND< 2,000

Aromatics	Results in ug / L
Benzene	ND< 700
Chlorobenzene	ND< 2,000
Ethylbenzene	ND< 2,000
Toluene	ND< 2,000
m,p - Xylene	ND< 2,000
o - Xylene	ND< 2,000
Styrene	ND< 2,000
1,2-Dichlorobenzene	ND< 2,000
1,3-Dichlorobenzene	ND< 2,000
1,4-Dichlorobenzene	ND< 2,000

Ketones	Results in ug / L
Acetone	ND< 10,000
2-Butanone	ND< 5,000
2-Hexanone	ND< 5,000
4-Methyl-2-pentanone	ND< 5,000

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5,000
Vinyl acetate	ND< 5,000

ELAP Number 10958 Method: EPA 8260B Data File: 63823.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 030355V1.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Leader Professional Services

Client Job Site:	RoCo	**Lab Project Number:**	03-0355
		Lab Sample Number:	1787
Client Job Number:	147.007		
Field Location:	GW-4	**Date Sampled:**	01/28/2003
Field ID Number:	N/A	**Date Received:**	01/29/2003
Sample Type:	Water	**Date Analyzed:**	02/05/2003

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 100
Bromomethane	ND< 100
Bromoform	ND< 100
Carbon tetrachloride	ND< 100
Chloroethane	ND< 100
Chloromethane	ND< 100
2-Chloroethyl vinyl ether	ND< 100
Chloroform	ND< 100
Dibromochloromethane	ND< 100
1,1-Dichloroethane	ND< 100
1,2-Dichloroethane	ND< 100
1,1-Dichloroethene	ND< 100
cis-1,2-Dichloroethene	3,150
trans-1,2-Dichloroethene	ND< 100
1,2-Dichloropropane	ND< 100
cis-1,3-Dichloropropene	ND< 100
trans-1,3-Dichloropropene	ND< 100
Methylene chloride	ND< 250
1,1,2,2-Tetrachloroethane	ND< 100
Tetrachloroethene	ND< 100
1,1,1-Trichloroethane	ND< 100
1,1,2-Trichloroethane	ND< 100
Trichloroethene	1,060
Trichlorofluoromethane	ND< 100
Vinyl Chloride	791

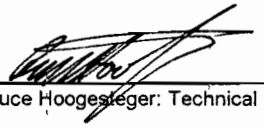
Aromatics	Results in ug / L
Benzene	ND< 35.0
Chlorobenzene	ND< 100
Ethylbenzene	ND< 100
Toluene	ND< 100
m,p - Xylene	ND< 100
o - Xylene	ND< 100
Styrene	ND< 100
1,2-Dichlorobenzene	ND< 100
1,3-Dichlorobenzene	ND< 100
1,4-Dichlorobenzene	ND< 100

Ketones	Results in ug / L
Acetone	ND< 500
2-Butanone	ND< 250
2-Hexanone	ND< 250
4-Methyl-2-pentanone	ND< 250

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 250
Vinyl acetate	ND< 250

ELAP Number 10958 Method: EPA 8260B Data File: 63838.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: 
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 030355V2.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York (585) 647-2530 FAX (585) 647-3311

LABORATORY REPORT OF ANALYSIS

Client: Leader Professional Services

Client Job Site: RoCo

Client Job No.: 147-007

Lab Project No.: 03-0355

Sample Type: Water
Analytical Method: EPA 300.0
Date Sampled: 01/28/2003
Date Received: 01/29/2003

Lab Sample ID.	Field Location/ Sample ID	Date Analyzed	Sulfate (mg/l)
1786	GW-3	02/04/03	58
1787	GW-4	02/04/03	89

ELAP ID No. 10709

Comments: ND denotes Non Detected.

Approved By Technical Director: _____
Bruce Hoogesteger

Chain of Custody provides additional sample information.

File ID: Sulfate03-0355.xls

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York (585) 647-2530 FAX (585) 647-3311

LABORATORY REPORT OF ANALYSIS

Client: Leader Professional Services
Client Job Site: RoCo
Client Job No.: 147-007

Lab Project No.: 03-0355
Sample Type: Water
Analytical Method: SM 5310C
Date Sampled: 01/28/2003
Date Received: 01/29/2003

Lab Sample ID.	Field Location/ Sample ID	Date Analyzed	Total Organic Carbon (mg/l)
1786	GW-3	02/04/03	8.9
1787	GW-4	02/04/03	6.1

ELAP ID No. 10709

Comments: ND denotes Non Detected.

Approved By Technical Director: Bruce Hoogesteger

Chain of Custody provides additional sample information.

File ID: TOC03-0355.xls

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Leader Professional Services

Client Job Site: RoCo

Client Job No.: 147.007

Lab Project No.: 03-0355

Sample Type: Water
Method: SW846 3005,6010

Date(s) Sampled: 1/28/03
Date Received: 1/29/03
Date Analyzed: 1/31/03

Laboratory Report for Water Analysis

Lab Sample No.	Field ID No.	Field Location	Iron Results (mg/L)
1786	N/A	GW-3	<0.100
1787	N/A	GW-4	<0.100

ELAP ID No.: 10958

Comments: Samples were filtered through 0.45µm filter prior to digestion.

Approved By: _____
Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information.

File ID:030355.xls

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997
FAX: (716) 647-3311

CHAIN OF CUSTODY

COMPANY: Leader Professional Services	COMPANY:	LAB PROJECT #: 03-0355	CLIENT PROJECT #: 147.007
ADDRESS: 2300 Wehrle Drive	ADDRESS:		
CITY: Williamsville STATE: NY ZIP: 14221	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS) STD ✓ 5 OTHER	
PHONE: 565-0963 FAX: 716-565-0964	PHONE: FAX:		
ATTN: KAREN L. CARLSON	ATTN:	1 2 3 ✓ 5	
PROJECT NAME/SITE NAME: RoCo	COMMENTS:		

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	VOLATILE ORGANICS 8260B	DISSOLVED IRON	TOC	SULFATES	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 1/28/03			✓	GW-3	GW	4	✓	✓	✓	✓		17866
2 1/28/03			✓	GW-4	GW	4	✓	✓	✓	✓		17867
3												
4												
5												
6												
7												
8												
9												
10												

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: ✓ PRESERVATIONS: ✓ TOC<2 Fe Diss<2 VOA<2 HOLDING TIME: ✓ TEMPERATURE: 13°C

Sampled By: K—C. Carlson 1/28/03 3:00 PM	Relinquished By:	Date/Time:	Total Cost:
Relinquished By: K—C. Carlson 1/28/03	Received By:	Date/Time:	
Received By:	Received @ Lab By: Jane J. Allen	Date/Time: 1/29/03 1045	P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997
FAX: (716) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:		
COMPANY:	COMPANY:	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	ADDRESS:		
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:	PHONE: FAX:	STD	OTHER
PROJECT NAME/SITE NAME:	ATTN:	ATTN:	☐ 1 ☐ 2 ☐ 3 ☑ 5 ☐
	COMMENTS:		

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS										REMARKS	PARADIGM LAB SAMPLE NUMBER				
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation:	CONTAINER TYPE: ☐	PRESERVATIONS: ☐	HOLDING TIME: ☐	TEMPERATURE: ☐

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

Total Cost:

P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997
FAX: (716) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:		
COMPANY:	COMPANY:	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	ADDRESS:		
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:	PHONE: FAX:	STD	OTHER
PROJECT NAME/SITE NAME:	ATTN:	ATTN:	☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐
	COMMENTS:		

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS										REMARKS	PARADIGM LAB SAMPLE NUMBER				
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐

Sampled By:	Date/Time:	Relinquished By:	Date/Time:	Total Cost:
Relinquished By:	Date/Time:	Received By:	Date/Time:	
Received By:	Date/Time:	Received @ Lab By:	Date/Time:	P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Leader Professional Services, Inc

Client Job Site:	RoCo	**Lab Project Number:**	03-0621
		Lab Sample Number:	2645
Client Job Number:	147.007		
Field Location:	GW-3	**Date Sampled:**	02/27/2003
Field ID Number:	N/A	**Date Received:**	03/03/2003
Sample Type:	Water	**Date Analyzed:**	03/05/2003

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2,000
Bromomethane	ND< 2,000
Bromoform	ND< 2,000
Carbon tetrachloride	ND< 2,000
Chloroethane	ND< 2,000
Chloromethane	ND< 2,000
2-Chloroethyl vinyl ether	ND< 2,000
Chloroform	ND< 2,000
Dibromochloromethane	ND< 2,000
1,1-Dichloroethane	ND< 2,000
1,2-Dichloroethane	ND< 2,000
1,1-Dichloroethene	ND< 2,000
cis-1,2-Dichloroethene	4,410
trans-1,2-Dichloroethene	ND< 2,000
1,2-Dichloropropane	ND< 2,000
cis-1,3-Dichloropropene	ND< 2,000
trans-1,3-Dichloropropene	ND< 2,000
Methylene chloride	ND< 5,000
1,1,2,2-Tetrachloroethane	ND< 2,000
Tetrachloroethene	ND< 2,000
1,1,1-Trichloroethane	ND< 2,000
1,1,2-Trichloroethane	ND< 2,000
Trichloroethene	102,000
Trichlorofluoromethane	ND< 2,000
Vinyl Chloride	ND< 2,000

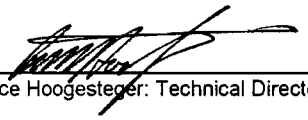
Aromatics	Results in ug / L
Benzene	ND< 700
Chlorobenzene	ND< 2,000
Ethylbenzene	ND< 2,000
Toluene	ND< 2,000
m,p - Xylene	ND< 2,000
o - Xylene	ND< 2,000
Styrene	ND< 2,000
1,2-Dichlorobenzene	ND< 2,000
1,3-Dichlorobenzene	ND< 2,000
1,4-Dichlorobenzene	ND< 2,000

Ketones	Results in ug / L
Acetone	ND< 10,000
2-Butanone	ND< 5,000
2-Hexanone	ND< 5,000
4-Methyl-2-pentanone	ND< 5,000

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5,000
Vinyl acetate	ND< 5,000

ELAP Number 10958 Method: EPA 8260B Data File: 64154.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: 
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 030621V1.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Leader Professional Services, Inc

Client Job Site:	RoCo	**Lab Project Number:**	03-0621
		Lab Sample Number:	2646
Client Job Number:	147.007		
Field Location:	GW-4	**Date Sampled:**	02/27/2003
Field ID Number:	N/A	**Date Received:**	03/03/2003
Sample Type:	Water	**Date Analyzed:**	03/05/2003

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 100
Bromomethane	ND< 100
Bromoform	ND< 100
Carbon tetrachloride	ND< 100
Chloroethane	ND< 100
Chloromethane	ND< 100
2-Chloroethyl vinyl ether	ND< 100
Chloroform	ND< 100
Dibromochloromethane	ND< 100
1,1-Dichloroethane	ND< 100
1,2-Dichloroethane	ND< 100
1,1-Dichloroethene	ND< 100
cis-1,2-Dichloroethene	4,000
trans-1,2-Dichloroethene	ND< 100
1,2-Dichloropropane	ND< 100
cis-1,3-Dichloropropene	ND< 100
trans-1,3-Dichloropropene	ND< 100
Methylene chloride	ND< 250
1,1,2,2-Tetrachloroethane	ND< 100
Tetrachloroethene	ND< 100
1,1,1-Trichloroethane	ND< 100
1,1,2-Trichloroethane	ND< 100
Trichloroethene	595
Trichlorofluoromethane	ND< 100
Vinyl Chloride	507

Aromatics	Results in ug / L
Benzene	ND< 35.0
Chlorobenzene	ND< 100
Ethylbenzene	ND< 100
Toluene	ND< 100
m,p - Xylene	ND< 100
o - Xylene	ND< 100
Styrene	ND< 100
1,2-Dichlorobenzene	ND< 100
1,3-Dichlorobenzene	ND< 100
1,4-Dichlorobenzene	ND< 100

Ketones	Results in ug / L
Acetone	ND< 500
2-Butanone	ND< 250
2-Hexanone	ND< 250
4-Methyl-2-pentanone	ND< 250

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 250
Vinyl acetate	ND< 250

ELAP Number 10958 Method: EPA 8260B Data File: 64155.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: 
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 030621V2.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester New York 14608 (585) 647-2530 FAX (585) 647-3311

LABORATORY REPORT OF ANALYSIS

Client: Leader Professional Services, Inc.

Client Job Site: RoCo

Client Job No.: 147.007

Field Location: GW-3

Lab Project No.: 03-0447
Lab Sample No.: 2645

Sample Type: Water

Date Sampled: 02/27/2003
Date Received: 03/03/2003

Parameter	Date Analyzed	Analytical Method	Result (mg/l)
Sulfate	03/07/2003	EPA 300.0	60
TOC	03/07/2003	SM 5310C	7

ELAP ID.No.: 10709

Comments: ND denotes Non Detected.

Approved By Technical Director: _____
Bruce Hoogesteger

Chain of Custody provides additional sample information.

File ID: SulfateTOC03-0621.xls

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester New York 14608 (585) 647-2530 FAX (585) 647-3311

LABORATORY REPORT OF ANALYSIS

Client: Leader Professional Services, Inc.

Client Job Site: RoCo

Client Job No.: 147.007

Field Location: GW-4

Lab Project No.: 03-0447
Lab Sample No.: 2646

Sample Type: Water

Date Sampled: 02/27/2003
Date Received: 03/03/2003

Parameter	Date Analyzed	Analytical Method	Result (mg/l)
Sulfate	03/07/2003	EPA 300.0	101
TOC	03/07/2003	SM 5310C	7.4

ELAP ID.No.: 10709

Comments: ND denotes Non Detected.

Approved By Technical Director: _____

Bruce Hoogesteger

Chain of Custody provides additional sample information.

File ID: SulfateTOC03-0621.xls

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Leader Professional Services Inc.

Client Job Site: RoCo

Client Job No.: 147.007

Lab Project No.: 03-0621

Sample Type: Water
Method: EPA 6010

Date(s) Sampled: 02/27/2003
Date Received: 03/03/2003
Date Analyzed: 03/06/2003

Laboratory Report for Metal Analysis

Lab Sample No.	Field ID No.	Field Location	Iron* Results (mg/L)
2645	N/A	GW-3	0.123
2646	N/A	GW-4	<0.100

ELAP ID No.: 10958

Comments: * Sample for Iron was filtered through 0.45um filter prior to digestion.

Approved By: _____
Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information.

File ID:030621.xls

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997
FAX: (716) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:		
COMPANY:	COMPANY:	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	ADDRESS:		
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:	PHONE: FAX:	STD	OTHER
PROJECT NAME/SITE NAME:	ATTN:	ATTN:	☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐
	COMMENTS:		

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS										REMARKS	PARADIGM LAB SAMPLE NUMBER				
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation:	CONTAINER TYPE: ☐	PRESERVATIONS: ☐	HOLDING TIME: ☐	TEMPERATURE: ☐

Sampled By:	Date/Time:	Relinquished By:	Date/Time:	Total Cost:
Relinquished By:	Date/Time:	Received By:	Date/Time:	
Received By:	Date/Time:	Received @ Lab By:	Date/Time:	P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997
FAX: (716) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:		
COMPANY:	COMPANY:	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	ADDRESS:		
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:	PHONE: FAX:	STD	OTHER
PROJECT NAME/SITE NAME:	ATTN:	ATTN:	☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐
	COMMENTS:		

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS										REMARKS	PARADIGM LAB SAMPLE NUMBER				
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐

Sampled By:	Date/Time:	Relinquished By:	Date/Time:	Total Cost:
Relinquished By:	Date/Time:	Received By:	Date/Time:	
Received By:	Date/Time:	Received @ Lab By:	Date/Time:	P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Leader Professional Services, Inc

Client Job Site:	RoCo	**Lab Project Number:**	03-1702
		Lab Sample Number:	6103
Client Job Number:	147.007		
Field Location:	GW-3	**Date Sampled:**	06/27/2003
Field ID Number:	N/A	**Date Received:**	06/30/2003
Sample Type:	Water	**Date Analyzed:**	07/04/2003

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2,000
Bromomethane	ND< 2,000
Bromoform	ND< 2,000
Carbon tetrachloride	ND< 2,000
Chloroethane	ND< 2,000
Chloromethane	ND< 2,000
2-Chloroethyl vinyl ether	ND< 2,000
Chloroform	ND< 2,000
Dibromochloromethane	ND< 2,000
1,1-Dichloroethane	ND< 2,000
1,2-Dichloroethane	ND< 2,000
1,1-Dichloroethene	ND< 2,000
cis-1,2-Dichloroethene	7,210
trans-1,2-Dichloroethene	ND< 2,000
1,2-Dichloropropane	ND< 2,000
cis-1,3-Dichloropropene	ND< 2,000
trans-1,3-Dichloropropene	ND< 2,000
Methylene chloride	ND< 5,000
1,1,2,2-Tetrachloroethane	ND< 2,000
Tetrachloroethene	ND< 2,000
1,1,1-Trichloroethane	ND< 2,000
1,1,2-Trichloroethane	ND< 2,000
Trichloroethene	153,000
Trichlorofluoromethane	ND< 2,000
Vinyl Chloride	ND< 2,000

Aromatics	Results in ug / L
Benzene	ND< 700
Chlorobenzene	ND< 2,000
Ethylbenzene	ND< 2,000
Toluene	ND< 2,000
m,p - Xylene	ND< 2,000
o - Xylene	ND< 2,000
Styrene	ND< 2,000
1,2-Dichlorobenzene	ND< 2,000
1,3-Dichlorobenzene	ND< 2,000
1,4-Dichlorobenzene	ND< 2,000

Ketones	Results in ug / L
Acetone	ND< 10,000
2-Butanone	ND< 5,000
2-Hexanone	ND< 5,000
4-Methyl-2-pentanone	ND< 5,000

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5,000
Vinyl acetate	ND< 5,000

ELAP Number 10958 Method: EPA 8260B Data File: 66125.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 031702V1.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Leader Professional Services, Inc

Client Job Site:	RoCo	**Lab Project Number:**	03-1702
		Lab Sample Number:	6104
Client Job Number:	147.007		
Field Location:	GW-4	**Date Sampled:**	06/27/2003
Field ID Number:	N/A	**Date Received:**	06/30/2003
Sample Type:	Water	**Date Analyzed:**	07/04/2003

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 100
Bromomethane	ND< 100
Bromoform	ND< 100
Carbon tetrachloride	ND< 100
Chloroethane	ND< 100
Chloromethane	ND< 100
2-Chloroethyl vinyl ether	ND< 100
Chloroform	ND< 100
Dibromochloromethane	ND< 100
1,1-Dichloroethane	ND< 100
1,2-Dichloroethane	ND< 100
1,1-Dichloroethene	ND< 100
cis-1,2-Dichloroethene	3,540
trans-1,2-Dichloroethene	ND< 100
1,2-Dichloropropane	ND< 100
cis-1,3-Dichloropropene	ND< 100
trans-1,3-Dichloropropene	ND< 100
Methylene chloride	ND< 250
1,1,2,2-Tetrachloroethane	ND< 100
Tetrachloroethene	ND< 100
1,1,1-Trichloroethane	ND< 100
1,1,2-Trichloroethane	ND< 100
Trichloroethene	1,170
Trichlorofluoromethane	ND< 100
Vinyl Chloride	635

Aromatics	Results in ug / L
Benzene	ND< 35.0
Chlorobenzene	ND< 100
Ethylbenzene	ND< 100
Toluene	ND< 100
m,p - Xylene	ND< 100
o - Xylene	ND< 100
Styrene	ND< 100
1,2-Dichlorobenzene	ND< 100
1,3-Dichlorobenzene	ND< 100
1,4-Dichlorobenzene	ND< 100

Ketones	Results in ug / L
Acetone	ND< 500
2-Butanone	ND< 250
2-Hexanone	ND< 250
4-Methyl-2-pentanone	ND< 250

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 250
Vinyl acetate	ND< 250

ELAP Number 10958 Method: EPA 8260B Data File: 66126.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 031702v2.xls

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Leader Professional Services, Inc

Client Job Site:	RoCo	**Lab Project Number:**	03-1702
		Lab Sample Number:	6105
Client Job Number:	147.007		
Field Location:	GW-7	**Date Sampled:**	06/27/2003
Field ID Number:	N/A	**Date Received:**	06/30/2003
Sample Type:	Water	**Date Analyzed:**	07/04/2003

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 10.0
Bromomethane	ND< 10.0
Bromoform	ND< 10.0
Carbon tetrachloride	ND< 10.0
Chloroethane	ND< 10.0
Chloromethane	ND< 10.0
2-Chloroethyl vinyl ether	ND< 10.0
Chloroform	ND< 10.0
Dibromochloromethane	ND< 10.0
1,1-Dichloroethane	ND< 10.0
1,2-Dichloroethane	ND< 10.0
1,1-Dichloroethene	ND< 10.0
cis-1,2-Dichloroethene	582
trans-1,2-Dichloroethene	ND< 10.0
1,2-Dichloropropane	ND< 10.0
cis-1,3-Dichloropropene	ND< 10.0
trans-1,3-Dichloropropene	ND< 10.0
Methylene chloride	ND< 25.0
1,1,2,2-Tetrachloroethane	ND< 10.0
Tetrachloroethene	ND< 10.0
1,1,1-Trichloroethane	ND< 10.0
1,1,2-Trichloroethane	ND< 10.0
Trichloroethene	158
Trichlorofluoromethane	ND< 10.0
Vinyl Chloride	36.0

Aromatics	Results in ug / L
Benzene	ND< 3.50
Chlorobenzene	ND< 10.0
Ethylbenzene	ND< 10.0
Toluene	ND< 10.0
m,p - Xylene	ND< 10.0
o - Xylene	ND< 10.0
Styrene	ND< 10.0
1,2-Dichlorobenzene	ND< 10.0
1,3-Dichlorobenzene	ND< 10.0
1,4-Dichlorobenzene	ND< 10.0

Ketones	Results in ug / L
Acetone	ND< 50.0
2-Butanone	ND< 25.0
2-Hexanone	ND< 25.0
4-Methyl-2-pentanone	ND< 25.0

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 25.0
Vinyl acetate	ND< 25.0

ELAP Number 10958 Method: EPA 8260B Data File: 66128.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information

File ID: 031702V3.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester New York 14608 (585) 647-2530 FAX (585) 647-3311

LABORATORY REPORT OF ANALYSIS

Client: Leader Professional Services, Inc.

Client Job Site: RoCo

Client Job No.: 147.007

Field Location: GW-3

Lab Project No.: 03-1702
Lab Sample No.: 6103

Sample Type: Groundwater

Date Sampled: 06/27/2003
Date Received: 06/30/2003

Parameter	Date Analyzed	Analytical Method	Result (mg/l)
Sulfate	07/05/2003	EPA 300.0	74
TOC	07/08/2003	SM 5310C	6.8

ELAP ID.No.: 10709

Comments: ND denotes Non Detected.

Approved By Technical Director: _____
Bruce Hoogesteger

Chain of Custody provides additional sample information.

File ID: Sulfate+TOC03-1702.xls

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester New York 14608 (585) 647-2530 FAX (585) 647-3311

LABORATORY REPORT OF ANALYSIS

Client: Leader Professional Services, Inc.

Client Job Site: RoCo

Client Job No.: 147.007

Field Location: GW-4

Lab Project No.: 03-1702
Lab Sample No.: 6104

Sample Type: Groundwater

Date Sampled: 06/27/2003
Date Received: 06/30/2003

Parameter	Date Analyzed	Analytical Method	Result (mg/l)
Sulfate	07/05/2003	EPA 300.0	80
TOC	07/08/2003	SM 5310C	5.6

ELAP ID.No.: 10709

Comments: ND denotes Non Detected.

Approved By Technical Director: _____
Bruce Hoogesteger

Chain of Custody provides additional sample information.

File ID: Sulfate+TOC03-1702.xls

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Leader Professional Services

Client Job Site: RoCo

Client Job No.: 147.007

Lab Project No.: 03-1702

Sample Type: Water
Method: EPA 6010

Date(s) Sampled: 06/27/2003
Date Received: 06/30/2003
Date Analyzed: 07/02/2003

Laboratory Report for Water Analysis

Lab Sample No.	Field ID No.	Field Location	Iron* Results (mg/L)
6103	N/A	GW-3	<0.100
6104	N/A	GW-4	<0.100

ELAP ID No.: 10958

Comments: * Sample for Iron was filtered through 0.45um filter prior to digestion.

Approved By: _____
Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information.

File ID:031702.xls

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997
FAX: (716) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:		
COMPANY:	COMPANY:	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	ADDRESS:		
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:	PHONE: FAX:	STD / OTHER	
PROJECT NAME/SITE NAME:	ATTN:	ATTN:	☐ 1 ☐ 2 ☐ 3 ☑ 5 ☐
	COMMENTS:		

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS										REMARKS	PARADIGM LAB SAMPLE NUMBER				
1				✓			4	✓	✓	✓	✓											
2				✓			4		✓	✓	✓											
3	4/27/03			✓			2	✓														
4																						
5																						
6																						
7																						
8																						
9																						
10																						

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation:	CONTAINER TYPE: ☑	PRESERVATIONS: ☑	HOLDING TIME: ☐	TEMPERATURE: ☑

Sampled By:	Date/Time:	Relinquished By:	Date/Time:	Total Cost:
Relinquished By:	**Date/Time:**	**Received By:**	**Date/Time:**	
Received By:	**Date/Time:**	**Received @ Lab By:**	**Date/Time:**	**P.I.F.**

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CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:		
COMPANY:	COMPANY:	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	ADDRESS:		
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:	PHONE: FAX:	STD	OTHER
PROJECT NAME/SITE NAME:	ATTN:	ATTN:	☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐
	COMMENTS:		

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS										REMARKS	PARADIGM LAB SAMPLE NUMBER
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐

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

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Leader

Client Job Site:	RoCo	**Lab Project Number:**	03-2461
		Lab Sample Number:	8173
Client Job Number:	147.007		
Field Location:	GW-5	**Date Sampled:**	09/10/2003
Field ID Number:	N/A	**Date Received:**	09/11/2003
Sample Type:	Water	**Date Analyzed:**	09/11/2003

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 10.0
Bromomethane	ND< 10.0
Bromoform	ND< 10.0
Carbon tetrachloride	ND< 10.0
Chloroethane	ND< 10.0
Chloromethane	ND< 10.0
2-Chloroethyl vinyl ether	ND< 10.0
Chloroform	ND< 10.0
Dibromochloromethane	ND< 10.0
1,1-Dichloroethane	ND< 10.0
1,2-Dichloroethane	ND< 10.0
1,1-Dichloroethene	ND< 10.0
cis-1,2-Dichloroethene	61.7
trans-1,2-Dichloroethene	ND< 10.0
1,2-Dichloropropane	ND< 10.0
cis-1,3-Dichloropropene	ND< 10.0
trans-1,3-Dichloropropene	ND< 10.0
Methylene chloride	ND< 25.0
1,1,2,2-Tetrachloroethane	ND< 10.0
Tetrachloroethene	ND< 10.0
1,1,1-Trichloroethane	ND< 10.0
1,1,2-Trichloroethane	ND< 10.0
Trichloroethene	ND< 10.0
Trichlorofluoromethane	ND< 10.0
Vinyl Chloride	ND< 10.0

Aromatics	Results in ug / L
Benzene	ND< 3.50
Chlorobenzene	ND< 10.0
Ethylbenzene	ND< 10.0
Toluene	ND< 10.0
m,p - Xylene	ND< 10.0
o - Xylene	ND< 10.0
Styrene	ND< 10.0
1,2-Dichlorobenzene	ND< 10.0
1,3-Dichlorobenzene	ND< 10.0
1,4-Dichlorobenzene	ND< 10.0

Ketones	Results in ug / L
Acetone	ND< 50.0
2-Butanone	ND< 25.0
2-Hexanone	ND< 25.0
4-Methyl-2-pentanone	ND< 25.0

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 25.0
Vinyl acetate	ND< 25.0

ELAP Number 10955 Method: EPA 8260B Data File: 67072.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:

Bruce Hoogestraat, Technical Director

Chain of Custody provides additional sample information

File ID: 032461V1.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:			
COMPANY:	LEADER PROFESSIONAL SERVICES, INC.	COMPANY:	SAME	LAB PROJECT #: 03-2461	CLIENT PROJECT #: 147.007
ADDRESS:	2300 WEHRLE DRIVE	ADDRESS:			
CITY:	WILLIAMSVILLE State: NY ZIP: 14221	CITY:	STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE:	716-565-0963 FAX: 716-565-0964	PHONE:	FAX:	STD	OTHER
PROJECT NAME/SITE NAME: RoCo	ATTN: KAREN C. MAY	ATTN:		1 2 3 X 5	
	COMMENTS:				

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TCL VOLATILE ORGANICS (8260B)							REMARKS	PARADIGM LAB SAMPLE NUMBER
1	9/10/03			X	GW-5	GW	2	X								8173
2																
3																
4																
5																
6																
7																
8																
9																
10																

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:	CONTAINER TYPE: ✓	PRESERVATIONS: ✓ <2	HOLDING TIME: ✓	TEMPERATURE: ✓ 19°C iced

Sampled By:	Date/Time:	Relinquished By:	Date/Time:	Total Cost:
Karen C. May	9/10/03 1:45 PM			
Relinquished By:	**Date/Time:**	**Received By:**	**Date/Time:**	
Karen C. May	9/10/03			
Received By:	**Date/Time:**	**Received @ Lab By:**	**Date/Time:**	**P.I.F.**
Abel Hoff	9/10/03	Pamela M. Blake	9/11/03 @ 9:40	

PARADIGM

CHAIN OF CUSTODY

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue

Rochester, NY 14608

(716) 647-2530 * (800) 724-1997

REPORT TO:		INVOICE TO:			
COMPANY:	LEADER PROFESSIONAL SERVICES, INC.	COMPANY:	SAME	LAB PROJECT #:	CLIENT PROJECT #: 147.007
ADDRESS:	2300 WEHRLE DRIVE	ADDRESS:			
CITY:	WILLIAMSVILLE State: NY ZIP: 14221	CITY:	STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE:	716-565-0963 FAX: 716-565-0964	PHONE:	FAX:	STD	OTHER
ATTN:	KAREN C. MAY	ATTN:		[ ] 1 [ ] 2 [ ] 3 [X] 5	[ ]
COMMENTS:					

PROJECT NAME/SITE NAME: RoCo

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TCL VOLATILE ORGANICS (8260B)							REMARKS	PARADIGM LAB SAMPLE NUMBER				
1	9/10/03			X	GW-5	GW	2	X												
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: [ ] PRESERVATIONS: [ ] HOLDING TIME: [ ] TEMPERATURE: [ ]

Sampled By:	Date/Time:	Relinquished By:	Date/Time:	Total Cost:
Karen C. May	9/10/03 1:45 PM			
Relinquished By:	**Date/Time:**	**Received By:**	**Date/Time:**	
Karen C. May	9/10/03 3:02 PM			
Received By:	**Date/Time:**	**Received @ Lab By:**	**Date/Time:**	**P.I.F.**
Josh Hoff	9/10/03			