

PHASE II ENVIRONMENTAL SITE ASSESSMENT

ROBINSON'S DRY CLEANERS 1819 E. MILWAUKEE STREET JANESVILLE, WISCONSIN

Prepared for:

ROBIN, INC.

DECEMBER 2002

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A phase II investigation for a leaking underground storage tank at the Stop-N-Go facility located at 1804 East Milwaukee Street, Janesville, Wisconsin, found chlorinated volatile organic compounds in the groundwater, primarily tetrachloroethene (PCE). These compounds are not associated with the petroleum products, which were released at the study site. However, PCE is a commonly used dry cleaning solvent. Robinson's Cleaners, located at 1819 East Milwaukee Street, is located northeast of the Stop-N-Go, in the assumed upgradient direction from it. Consequently, the Wisconsin Department of Natural Resources issued a responsible party letter to Robin, Inc., owner of Robinson's Cleaners.

Subsequently, URS initiated a subsurface investigation at Robinson's Cleaners. The investigation, conducted from July through September 2002, included a Geoprobe soil sampling program, followed by deeper soil sampling and construction of groundwater observation wells.

This study identified an area of impacted soil, which is likely a source for groundwater impacts. The contaminants were found in the rear of the property, centered adjacent to a service door, where solvents were handled.

Groundwater flow at the site was found to be in a south-southwesterly direction, toward the 1804 East Milwaukee Street location. Low concentrations of chlorinated compounds were detected in groundwater at the site. The highest concentrations found was 15 μ g/L of PCE in a sample collected from well MW-2, which is located near the western property line. Although this is in excess of the State's Enforcement Standard (5 μ g/L), it was the only ES exceedance detected at the site.

Various remedial options were reviewed with respect to Wisconsin Administrative Code ch. NR 722 considerations. Soil remedial options included engineered barriers (capping), chemical injection and soil vapor extraction. Groundwater options included natural attenuation, groundwater extraction and treatment, and ozone sparging.

Based upon the site conditions and evaluation of the options, URS recommends the installation of a soil vapor extraction system to remove contaminants from the soil, thereby removing the source for groundwater impacts. For groundwater, we recommend two years of quarterly groundwater monitoring, with the intent to move toward closure my means of natural attenuation. We believe that natural attenuation is appropriate for the site for several reasons.

First, although the concentrations of contaminants exceed the State's Enforcement Standard at one location, they are still relatively low. Additionally, chance of exposure to impacted groundwater is virtually non-existent. The depth to groundwater is nearly 90 feet, eliminating exposure due to excavation, or volatilization from the water table. There are also no receptors within the plume boundaries, and because the site is located within the City of Janesville, the area is serviced by municipal water supply; consequently, statutory prohibition on well construction will prevent any water supply wells from being constructed within the limits of the plume.



1.1 SITE DESCRIPTION

Robinson's Cleaners is an active dry cleaning facility located at 1819 E. Milwaukee Street in Janesville, Wisconsin. As shown on Figure 1, the facility is located in the northwest ¼ of the southeast ¼ of Section 30, Township 3 north, Range 13 East, in Rock County. The site is positioned on elevated ground, at an elevation of approximately 865 feet. The Rock River is located less than 1.5 miles to the west, and is at an elevation of less than 770 feet. Consequently, groundwater elevations at the site are between 80 and 90 feet below ground surface.

1.2 BACKGROUND

A soil and groundwater investigation was completed at the Stop-N-Go store, located at 1804 East Milwaukee Street, in Janesville, Wisconsin (see Figure 1). Although this investigation was for a petroleum site, a full analysis of volatile organic compounds (VOCs) was conducted on samples collected. The analyses of groundwater samples yielded low parts-per-billion concentrations of tetrachloroethene (PCE), which is not typically associated with petroleum sites, and was not detected in the soil at the site.

Although an accurate evaluation of groundwater flow direction could not be completed at the site (only two groundwater monitor wells are present), regional data, as well as data from a nearby site indicate that groundwater flow is likely to the southwest in this area. Based upon that assessment, Robinson Cleaners (Site), located at 1819 East Milwaukee Street, is positioned directly upgradient from the Stop-N-Go facility. Additionally, PCE is the fabric cleaning solvent that has been utilized at the Site. Consequently, the Wisconsin Department of Natural Resources (WDNR) determined that the Site is the likely source of the PCE detected in groundwater samples at the Stop-N-Go facility. Subsequently, Marilyn Jahnke of the WDNR issued a "Responsible party" letter to Mr. Brian Fitzgerald, owner of Robinson Cleaners, instructing that a site investigation be carried out to determine the degree and extent of environmental impacts be defined, and a remedial strategy be developed.

A Geoprobe investigation at the Robinson's Dry Cleaners facility was conducted between July 10 and 12, 2002. Soil samples were collected during that investigation to define the lateral extent of impacted soil. Samples were collected from 12 Geoprobe borings were advanced to 15 feet below ground surface. All Geoprobe borings locations were advanced in the parking lot behind the facility. With the soil sample results from the Geoprobe investigation, a source area

of impacts to groundwater was identified and used to prepare the work plan for the Phase II site investigation.

URS completed additional site work on the Robinson property between August 21 and 29, 2002. That work included drilling soil borings and the installation of monitoring wells and the collection of soil and groundwater samples. Soil and groundwater samples were analyzed for volatile organic compounds. These investigation results have been used to evaluate potential remedial responses.

1.3 PURPOSE AND SCOPE

The purpose of this report is to present the results of a site investigation recently completed at the Robinson property. This investigation was completed to identify the vertical extent of chlorinated VOC contamination in soil and groundwater. Results are presented in this report, and were used to evaluate potential remedial actions. This evaluation of remedial options is also presented in this report.

2.1 SITE INVESTIGATION ACTIVITIES

Site investigation activities included the collection of soil samples from 12 Geoprobe soil borings to define the lateral extent of soil contamination, the collection of soil samples from five soil borings utilizing a truck-mounted drilling rig to define the vertical extent of soil contamination, and installing four groundwater monitoring wells to evaluate groundwater flow conditions and groundwater quality. Groundwater samples were analyzed for VOCs, according to EPA Method 8260. Hydraulic conductivity tests were also performed in each well, and water levels were measured in site wells to evaluate site groundwater flow conditions.

The existing building houses state-of-the art dry cleaning equipment. It is unlikely that this equipment has caused the release of PCE. However, it is possible that releases occurred from older equipment was used in a building that formerly occupied the site. Figure 2 shows the site layout, including the location of the former building. Interviews of site personnel indicate that the area to the front of the current and former buildings was used for customer parking. Currently, PCE deliveries are made in small containers, delivered to the rear of the building. Based upon this, URS' soil investigation was concentrated in the rear portions of the property.

2.2 SOIL BORINGS

Prior to conducting drilling activities, Diggers Hotline and Vanguard Utility were contacted to located utilities near and on the Robinson property. Final boring locations were selected based on locations of utilities.

2.2.1 Geoprobe Samples

URS mobilized a Geoprobe rig to the site on July 12, 2002. On-Site Environmental Services, Inc. of DeForest, Wisconsin advanced 12 borings (R-1 through R-12) to a depth of 15 feet. Continuous soil samples were collected and screened on site using a photoionization detector (PID) equipped with an 11.7 eV lamp. Screening was completed at approximately 2-foot increments. Boring locations are shown on Figure 3; screening results are presented in Table 1-A. Based on the results of the screening, nine samples, from various depths and screening results, were selected for laboratory analyses. These samples were preserved and shipped in an iced cooler to Northern Lake Services, Inc., in Crandon, Wisconsin for VOC analyses. Logs of the borings and borehole abandonment forms are provided in Appendix A.



2.2.2 Drilling

Additional soil borings were advanced to identify the vertical extent of soil contamination. Badger State Drilling, Inc., of Stoughton, Wisconsin performed the drilling. Five borings (B-1 through B-5), were advanced using hallow stem augers (HSA) through unconsolidated overburden to the completion depth. The boring locations, which are also shown on Figure 3, were selected based on the identified source area from the previous Geoprobe investigation. Boring B-1 was advanced to 85 feet below ground surface (bgs), where groundwater was encountered. Borings B-2, B-3, B-4, and B-5 were advanced to 40 ft bgs.

The borings were logged in the field by an experienced geotechnical engineer during drilling to record soil descriptions and Standard Penetration Test (SPT) N-values. Soil units were classified in accordance with the Unified Soil Classification System. The boring logs are presented in Appendix A.

Soil samples were collected every 5 feet using a 2-inch diameter split-spoon sampler. As with Geoprobe samples, the soil samples were field screened using a calibrated photoionization detector with an 11.7 eV lamp. Selected samples for laboratory analyses of VOCs were preserved and placed in an iced cooler. Additional soil samples were collected in laboratory provided plastic bottles for measuring moisture content for the dry weight adjustment in the final results. Samples were shipped to Northern Lake Services, Inc. for laboratory analyses. Screening results are summarized in Table 1-B.

Upon completion of field activities, the boreholes were backfilled with bentonite chips and asphalt patched at the ground surface. Borehole abandonment forms are also included in Appendix A.

2.3 MONITORING WELL INSTALLATION

Monitoring wells MW-1, MW-2, MW-2D, and MW-3 were installed between August 26 and 28, 2002. Although soil samples were not submitted for laboratory analyses, the borings were logged, and cuttings were screened utilizing the PID. No indication of contamination was evident in the readings.

Monitoring well MW-1 is located in the northeast corner of the property and is an upgradient well. Wells MW-2, MW-2D and MW-3 are located at downgradient locations, with respect to

the source area. The MW-2/2D well nest also permits the evaluation of vertical groundwater flow gradients at the site. Well locations are shown on Figure 4.

All wells were installed in boreholes advanced with 4 ¼-inch ID hollow stem augers. Borings for wells MW-1, MW-2, and MW-3 were advanced to a depth of 90-feet below ground surface. Groundwater was encountered at an approximate depth of 85 feet below ground surface while drilling. The water table observation wells were constructed with 2-inch diameter schedule 40 PVC well screens 10 feet in length, installed approximately 5 feet below the water table. Well MW-2D was constructed with a 2-inch diameter PVC well screen 5 feet in length, installed approximately 20 feet below the bottom of the adjacent water table observation well. A sand pack was placed around each well screen as the augers were removed. A bentonite seal was placed above the sand pack, and the annular space seal was backfilled with granular bentonite. Monitoring wells MW-1 and MW-3 were encased in flush-mount protective well casings cemented in place. A steel protective stand-up pipe was placed around MW-2 and MW-2D. Well construction details are included in Appendix A.

On August 29, 2002, the new wells were developed by low-flow pumping a minimum of ten well volumes. The elevations of the top of the PVC well casings for all new monitoring wells were also surveyed as reference elevations on September 12, 2002. All drilling, well construction and well development were completed in accordance with Wisconsin Administrative Code NR 141 requirements. Well development forms are also included in Appendix A. Soil cuttings and purge water were placed in 55-gallon drums and are being temporarily stored on site until arrangements for disposal can be made. Drilling services were provided by Badger State Drilling, Inc. of Stoughton, Wisconsin.

2.4 GROUNDWATER SAMPLE COLLECTION

Groundwater samples were collected from the site monitor wells on September 12, 2002. Static water levels were measured in each, and four well volumes were removed from each well prior to the collection of groundwater samples.

Dedicated bailers were used to collect groundwater samples. The color, odor, and turbidity of the purge water were recorded on field sampling forms along with a description of the general conditions, and any sampling problems that were encountered at each well. All samples were collected in laboratory containers, held on ice, and shipped along with the completed chain-of-custody forms to a Wisconsin certified laboratory for analysis. Samples were analyzed by Northern Lakes Service, Inc. for volatile organic compounds by USEPA Method 8260. Field

measurements for pH, specific conductance, temperature, oxidation-reduction potential, and dissolved oxygen were also recorded at the time of sample collection.

3.1 SITE GEOLOGY AND HYDROGEOLOGY

The geology in the Janesville area is composed of unconsolidated glacial deposits overlying Cambrian aged sandstone bedrock. The contact between the bedrock and the overlying glacial deposits represents an unconformity and an erosional surface. The glacial deposits consist of sand and gravel till and outwash. These unconsolidated deposits are approximately 300 feet thick in the Janesville area. The outwash sand and gravel in the Rock River valley are noted for yielding large amounts of water.

Soil borings drilled during the site investigation showed subsurface conditions consistent with the regional geology. In all the soil borings, six to nine feet of silty clay fill was encountered below the ground surface. Below the fill was fine to coarse grained sand with trace to little gravel to the termination depths of each boring.

3.2 HYDRAULIC CONDUCTIVITY TEST AND GROUNDWATER FLOW

3.2.1 Hydraulic Conductivity Testing

On September 12, 2002, two in-situ hydraulic conductivity tests were performed on each water table well. These tests were performed by inserting a transducer and bailer into the well, and allowing the water level to stabilize in the well. A bailer of water was then removed from the well, causing water levels in the well to fall. The recovery (the rising water levels in the well over time) was then recorded by a Hermit 3000 data logger connected to a Troll 4000 (both by In-Situ, Inc.) transducer probe. The hydraulic conductivity in the vicinity of the well screen was then calculated by the Bouwer and Rice Method using the Aquifer Win32 computer program. Estimated hydraulic conductivity data are summarized in Table 2. In-situ hydraulic conductivity test data plots have been included in Appendix B. As Table 2 indicates, the average estimated hydraulic conductivity at the site is 0.031 feet per second.

3.2.2 Groundwater Flow

Static groundwater levels were also measured on September 12, and are summarized in Table 3. As the table indicates, there is a slight downward flow gradient at the MW-2/2D nest, of 0.0005. Figure 4 shows groundwater flow directions at the site, based on the September 12, 2002 measured water levels. At that time, groundwater flow was in a generally north-northwest to south-southeast direction; however, as with vertical gradient, the figure shows little horizontal



gradient, which is typical of a permeable aquifer. Based upon the measured groundwater flow gradient and calculated hydraulic conductivity, a groundwater flow velocity of 0.3 feet per year is estimated (at an assumed porosity of 0.3).

3.3 SOIL SAMPLING RESULTS

Twelve samples from the Geoprobe sampling and five from the drilling were analyzed for VOCs. The results are summarized in Table 4 (note that the full EPA 8260 VOC scan was completed; only detected compounds are summarized in Table 4), and laboratory reports are included in Appendix C. Compounds detected include cis-1,2-dichloroethene, naphthalene, PCE, trichloroethene (TCE) and trichlorofluoromethane. Based on the results, the Geoprobe work appears to have accurately identified the source area of the contaminants. Boring R-3, located adjacent to the rear door that enters the cleaning area, yielded a PCE concentration of 30,000 μg/kg at a depth of 2 feet, as well as daughter compounds TCE and cis-1,2-dichloroethene. Boring R-2, located approximately 25 feet west of R-3, yielded 5,000 μg/kg of cis-1,2-dichloroethene at a depth of 8 feet. PCE was detected in that sample at a concentration of 750 μg/kg, and TCE and naphthalene were detected at concentrations below the level of quantitation. Lower concentrations of PCE and TCE were detected at a depth of 4 feet in sample R-6, advanced approximately 35 feet northwest of R-3.

Trichlorofluoromethane was detected in samples from borings B-3, B-4 and B-5, at depths up to 40 feet. This compound, also known as "Freon 11," is not typically associated with dry cleaning facilities. However, trichlorofluoromethane is occasionally present as a laboratory contaminant, which may be cause for its occurrence in the samples from this site.

Based on the results and the spatial distribution of contaminants, it appears that the contaminants present are associated with the current facility, rather than the previous one. Figure 5 shows the approximate extent of impacted soil.

3.4 GROUNDWATER MONITORING RESULTS

Groundwater monitoring results are summarized in Table 5, and laboratory reports are included in Appendix D. The groundwater samples yielded a single Wisconsin groundwater Enforcement Standard (ES) exceedance. A PCE concentration of 15 μ g/L occurred in the sample from MW-2, slightly above the ES of 5 μ g/L. The Preventive Action Limit (PAL) for PCE of 0.5 μ g/L was exceeded in samples from the remaining three wells, with detections of

 $1.6 \mu g/L$, $1.7 \mu g/L$ and $1.6 \mu g/L$ for wells MW-1, MW-2D and MW-3, respectively. No other groundwater quality standards were exceeded. The result at MW-2D is in agreement with the measured vertical gradient, which indicates very little downward groundwater migration occurs. The low detection of PCE at well MW-1 is likely due to dispersion, which can occur at shallow groundwater gradients, such as those measured at the site.

Field measurements were relatively unremarkable. Conditions were very similar in all four wells, with a slightly lower temperature in the deeper well (MW-2D). The oxidation/reduction potential show that the site is likely under oxidizing conditions; however, due to the depth of groundwater, an accurate dissolved oxygen measurement was not possible. Consequently, based on the data collected, we cannot assess whether the conditions are aerobic or anaerobic.

3.5 DISCUSSION

The site investigation resulted in the identification of an area of soil impacted with chlorinated VOCs, which could be a source for impacts to groundwater. The area is centered at the rear of the existing building, adjacent to an 8-foot service door. The laboratory data show that contaminants are present at depth; however, at concentrations significantly lower than at shallow depths.

A single ES exceedance was detected in the groundwater sample collected from well MW-2 (15 μ g/L, PCE). No other groundwater quality standards were exceeded. A comparison of Figures 1 and 3 shows that the higher PCE concentration at well MW-2 is consistent with the observed flow conditions, relative to the identified source area and the wells at the Stop & Go store, where PCE was discovered. Additionally, the concentration is such that concentrations of 1 to 10 μ g/L would be expected at a location 200 to 300 feet directly downgradient.

4.1 EVALUATION OF NEED FOR REMEDIATION

In accordance with Wisconsin Spill Statues (Wis. Stats. 292.11), upon the release of a hazardous substance to the environment, the responsible party is required to restore the environment to the extent practicable, and to minimize the harmful effects of the discharge. Tetrachloroethene detected in shallow soil samples indicates that a release has occurred on site. Because PCE was detected in groundwater samples above the Wisconsin Admin. Code NR 140 ES of 5 µg/L, environmental restoration is required. The WDNR will allow in some cases natural recovery of contaminated groundwater above regulatory standards, providing that specific conditions are met to ensure the protection of human health and the environment. These can include source removal, groundwater monitoring for an extended period of time to demonstrate that the plume is stable or receding plume with no off-site migration, or combination thereof. At the Robinson property, none of these conditions have been met given that only one round of groundwater samples has been collected. As required by WAC NR 700, we have prepared this portion of this report to provide an evaluation of available options for site restoration.

4.2 REMEDIAL ACTION OBJECTIVES

Remedial action objectives state the specific goals of the various remedial actions that are described in this report. The general goal of these objectives is to protect human health and mitigate environmental risks posed by the contaminants at the site. Specific goals include the following:

- Minimize potential risk to human health and to aquatic and terrestrial animals and to the environment from exposure to contaminants;
- Limit future migration of contaminants to receptors;
- · Limit, to the extent practicable, on site migration of contaminants; and
- Minimize short-term risk to human health and to aquatic and terrestrial animals and to the
 environment from exposure to contaminants during the implementation of the remedial
 action.

4.3 EVALUATION CRITERIA

Potential remedial options that are capable of reducing the mobility, toxicity, and volume of chromium in the subsurface were evaluated and are presented in this report. Our evaluation includes a description of the potential response, the technical feasibility, and economic feasibility

of each potential response. Considerations for evaluating the feasibility of each option are based on criteria outlined in Wisconsin Admin. Code chapter NR 722 as follows:

- Long-term effectiveness;
- Short-term effectiveness:
- Technical feasibility and implementability;
- Restoration time-frame; and
- Economic feasibility.

4.4 POTENTIAL GENERAL RESPONSE ACTIONS

Potential general response actions for the Robinson facility can be divided into the following five categories:

- No Action;
- Containment;
- Source Removal
- Source Control; and
- Resource Management.

No action implies that remedial actions are not implemented because site conditions do not present a risk to human health or the environment. However, the collection of additional groundwater samples may be required to ensure that human health and the environment will not be impacted.

Containment actions include the installation of engineering controls to contain contamination within a specified area. For the Robinson property, some containment action has already been implemented in that the source area is either paved, or covered by a building. This prevents precipitation from infiltrating through the source material, and providing a transport mechanism to carry it to the water table. Additionally, the pavement and building prevent direct contact with contaminated soil.

Source removal actions include the removal of waste, contaminated soil, and other impacted material.

Source control actions include the in place treatment of contaminated soil and groundwater. For the Robinson facility, this would include the in place treatment of subsurface contamination followed by natural attenuation. Installation of a groundwater extraction system in the source area would also be included as a source control remedial response.

Resource management would include the use of regulatory and administrative decisions to limit the public's exposure to potential contamination. For the Robinson facility, this could be used to limit exposure to contaminated soil and groundwater in combination with institutional controls (e.g. fencing and deed restrictions etc.) to eliminate potential direct contact. Conceptually, these controls could be used in conjunction with natural recovery to meet cleanup standards with an Agency approved monitoring program.

4.5 CLEANUP GOALS

Groundwater quality standards are covered in Wisconsin Admin. Code chapter NR 140. Site closure standards are defined in Wisconsin Admin. Code chapter NR 726. An evaluation has not been performed for soils or groundwater at this site for the purpose of calculating site specific cleanup standards. Therefore, the Enforcement Standards of 5 μ g/L for PCE is the default groundwater cleanup target.

Remedial options for soil and groundwater are evaluated pursuant to Wisconsin Administrative Code ch. NR 722.07, which requires the following considerations:

- Short- and long-term effectiveness;
- Technical feasibility and implementability;
- Restoration time frame; and
- Economic feasibility.

Three options will be evaluated for both soil and groundwater. Each of the factors listed above will be considered. Estimates of costs for the alternatives are summarized in Tables 6 and 7. These costs are based on recent similar projects completed by URS.

5.1 SOIL

An area of impacted soil was discovered behind the existing building. The concentrations yielded by soil samples are high enough to be considered a source for impacts to groundwater; consequently, soil remediation is indicated.

Options considered for soil remediation include:

- Engineered controls (capping);
- In-situ chemical injection; and
- Soil vapor extraction (SVE).

5.1.1 Engineered Controls

Engineered controls are structures put in place to prevent the possibility of exposure to contaminants, and the migration of contaminants. For soil, engineered controls typically consist of the construction of a cap to eliminate areas of exposed soil, and to prevent infiltration of water, which can act as a transporting mechanism to carry the contaminants to the groundwater.

At the Robinson's site, the cap is already in place. The source area is covered with pavement and the existing building. This approach would essentially be a no-action alternative, making it

implementable, technically feasible and economically feasible; however, because groundwater impacts are present, it is clear that the effectiveness, both short- and long-term, would not be acceptable at this time.

5.1.2 In-Situ Chemical Injection

Description

Chemical injection entails the application of a chemical reagent developed to react with the contaminants present in the soil in the source area, and through the reaction, convert chlorinated hydrocarbons to non-hazardous compounds, such as carbon dioxide and water. With this process, small diameter holes are drilled through the pavement or floors in the impacted area, typically on a grid pattern with hole spacings of 4 to 8 feet. The reagent is then applied by means of hand advancement of an applicator. The reagent is ejected at high pressure through a nozzle at the point of the applicator, liquefying the soil, allowing the applicator to be advanced. However, the maximum achievable depths attainable by this method typically range between 10 to 15 feet.

An alternative approach is to advance a Geoprobe applicator, which typically allows application at a greater depth. A Geoprobe boring is advanced, and applicator is pumped through the probe as it advances. However, the maximum depth of a Geoprobe boring is 40 to 50 feet; consequently, it is possible that the Geoprobe could not be advanced to penetrate the entire column of impacted soil.

Short- and Long-Term Effectiveness

Because this option results in a nearly immediate reaction with contaminants, it is considered highly effective on a short-term basis. Additionally, because the contaminants are destroyed, its long-term effectiveness is also high. However, it is our experience that areas of heavily contaminated soil may require multiple applications of additional reagent; consequently, there may be limitations on the short-term effectiveness. Ultimately, the effectiveness would be evaluated by re-sampling of soil matrix, requiring a field mobilization after application. This would also be required after any additional applications.

Technical Feasibility and Implementability

The impacted area is readily accessible. However, the depth of impacts is beyond the reach of a Geoprobe. Consequently, at the maximum depth of Geoprobe advancement, sufficient reagent will be injected to migrate by gravity through the remainder of the soil column.

Restoration Time Frame

If the remediation can be completed in a single application, the restoration time frame is very short, on the order of days. In the event that additional injections are necessary, the spacing between injection activities is typically on the order of 1 to 3 months, thereby increasing the restoration time frame.

Economic Feasibility

Table 6-A summarizes the approximate costs for this option. The cost summary includes the application of the reagent, as well as oversight and documentation. Note that the costs include a single application, and may require additional applications.

5.1.3 Soil Vapor Extraction

Description

For this option, soil vapor extraction (SVE) wells would be installed along the northern perimeter of the building. A vacuum is then applied to the wells, and air is used as a carrier to remove contaminants from the soil, which are then released to the atmosphere. Because the SVE wells would be installed utilizing a drilling rig, there would be no restrictions on the depths that could be attained, and the complete column of contaminated soil could be penetrated.

Short- and Long-Term Effectiveness

Contaminants will begin to be drawn from the soil immediately after startup, thereby being somewhat effective in the short term. Because the contaminants are removed from the soil, this option is also very effective in the long term.

This option relies on the migration of the contaminant vapors to the SVE wells. Because the migration is being enhanced by the application of a vacuum, it is considered effective, both short- and long-term.

Technical Feasibility and Implementability

The actual effectiveness of this option would be evaluated by means of the required sampling of the vapor effluent. When concentrations of the effluent are reduced to a low or non-detectable level, it would be assumed that the system had removed contaminants to the extent technically feasible. However, the site accessibility is adequate, and the soils are suitable for SVE; consequently, this option is considered to be technically feasible.

Restoration Time Frame

The restoration time frame varies, depending on the permeability of the soil in the vadose zone, and the strength of the applied vacuum. However, it has been URS' experience that SVE systems can remediate the soil to the extent practicable within a period of 2 to 3 years.

Economic Feasibility

Table 6-B summarizes the approximate costs of the construction, operation and monitoring of an SVE system. Costs include drilling, equipment purchase and installation, power costs for operation, oversight, monitoring and documentation.

5.2 GROUNDWATER

Elevated concentrations of VOCs have been detected in groundwater taken from on-site monitor wells, as well as at a downgradient off-site location (Stop n Go store). Remedial options evaluated for groundwater include:

- No further action;
- Groundwater extraction with air stripping; and
- Ozone sparging.

5.2.1 No Further Action

Description

The no further action option is essentially a natural attenuation approach, which will require the quarterly monitoring of groundwater quality from the site monitor wells, along with the associated reporting to the client and WDNR. This option could be pursued if it can be shown that there is no expansion of the contaminant plume, and that concentrations will decline to acceptable levels over time.

Short- and Long-Term Effectiveness

Because no actions are taken to accelerate remediation, this is considered a long-term option. However, with appropriate monitoring to verify that the plume is not expanding, and with appropriate safeguards against exposure (e.g., existing well restrictions), the option can be effective.



Technical Feasibility and Implementability

Because contaminant concentrations near the downgradient property line exceed the State's ES, natural attenuation alone will not be an acceptable option; however, monitoring, in conjunction with soil remediation, is feasible. Because the activities associated with this option are groundwater sampling and analyses, it is easily implemented.

Restoration Time Frame

This is a long-term restoration; however, the monitoring period typically lasts 2 to 3 years.

Economic Feasibility

This approach is the most economically feasible, in that it requires only groundwater monitoring, which would be required regardless of the remedial action taken. The estimated costs for two years of quarterly groundwater monitoring are summarized in Table 7-A.

5.2.2 Groundwater Extraction with Air Stripping

Description

This option will require the installation of groundwater extraction wells. For cost purposes, we have assumed the need for two wells. Extracted groundwater is pumped to an air stripping unit, which would be housed in a small building on the site. After treatment, the water would be discharged to the municipal storm sewer system. Because water is being discharged, a Wisconsin Pollutant Discharge Elimination System (WPDES) permit would be required, and depending upon the vapor effluent concentrations, an air permit may also be required. Additionally, regular sampling and analyses of the influent and effluent water would be required, along with quarterly groundwater sampling of the site monitor wells.

Short- and Long-Term Effectiveness

This option is effective in the short term in that it immediately establishes a cone of depression in the water table, preventing the plume from expanding. However, it is a long-term solution, in that the remedial process typically takes

For a site such as the Robinson's property, this option would be technically feasible. Because it would capture the contaminant plume, preventing further migration off-site, it would be acceptable to the WDNR, as well. Although the approach would be effective in both the

prevention of migration of contaminants off site as well as the removal of contaminants from the aquifer, it would be a long-term remedial option.

Technical Feasibility and Implementability

The implementation of a groundwater extraction system immediately creates a capture zone in the aquifer. It is therefore considered to be effective in the short-term by preventing the migration of contaminants.

Restoration Time Frame

Remediation of the aquifer requires multiple plume volumes be removed, meaning that groundwater from every point in the plume has to reach an extraction well several times. The remedial time frame therefore is typically long, likely ranging from 5 to 10 years.

Economic Feasibility

The estimated costs for the construction of a groundwater remediation system by means of extraction and air stripping are summarized in Table 7-B. The table also provides an estimate of the costs for the first year of operation and maintenance.

5.2.3 Ozone Sparging

Description

In an ozone sparge system, ozone is injected into the groundwater from a pole-mounted panel, which houses an air compressor and ozone generator. The ozone reacts with the contaminants in the groundwater to create environmentally harmless by-products. Because no water is being removed, no influent of effluent sampling is required, nor is a discharge permit.

The mobility of ozone in the aquifer is restricted by the permeability of the aquifer and the density of the groundwater. Although the ozone wells would incorporate groundwater circulation pumps to maximize the radius of influence, the effective radius would still be less than that of a groundwater extraction well. Consequently, more ozone injection wells would be required compared to the number of groundwater extraction wells.

Short- and Long-Term Effectiveness

As with the chemical injection option for soil remediation, the short-term effectiveness of this method is good, in that contaminants are destroyed on contact with the ozone. Because the contaminants are destroyed, the long-term effectiveness is also considered high.

Technical Feasibility and Implementability

As with the groundwater extraction option, the ozone must either penetrate all portions of the plume, or the impacted groundwater must migrate to ozone well locations. Consequently, the alternatives are to install many wells to reach most of the plume simultaneously (resulting in a short time frame, on the order of 1 to 2 years), or place the wells at downgradient locations, such that the plume passes through the ozone "curtain," (longer time frame, on the order of 3 to 5 years).

Economic Feasibility

Capital costs for ozone sparging are competitive with extraction and treatment; however, operation and maintenance costs are typically somewhat lower, due to the lower costs of operating the system and the elimination of influent and effluent sampling. Estimated costs for ozone sparging, including one year of monitoring, are provided in Table 7-C.



6.1 CONCLUSIONS

A soil and groundwater investigation at the Robinson's Cleaners site at 1819 East Milwaukee Street in Janesville, Wisconsin found impacts to soil and groundwater from dry cleaning solvents utilized by the facility for its cleaning process. Soil contamination was discovered immediately adjacent to the rear of the building, and impacts were found at depths greater than 50 feet.

Groundwater samples from site wells yielded elevated concentrations of PCE; however, only one ES exceedance occurred, with 15 μ g/L of PCE detected in the sample collected from MW-2, which is adjacent to the downgradient property line.

The results of the investigation indicate that the release(s) at the site likely caused the impacts to groundwater found in site observation wells. Based on the observed groundwater flow direction, it is likely that the release(s) also caused the PCE impacts to groundwater at the 1804 East Milwaukee Street property, as well. However, the concentrations at that location are below the State's ES.

Based on the concentrations detected, URS concludes that the soil remains a source of continued impacts to groundwater. We also conclude that the observed groundwater concentrations are not a threat to human health or the environment, and that with the removal of the source, groundwater will naturally attenuate the contaminants.

6.2 RECOMMENDATIONS

Pursuant to the conclusions summarized in Section 6.1, and the remedial options evaluated in Section 5, URS recommends the following:

Soil Remediation:

Contaminants should be removed from the impacted area of the soil by means of an SVE system. Although the initial costs of SVE may exceed those of chemical injection, the possible need for re-injection(s), along with the problems of injection at depths below approximately 40 feet suggest that the final costs of injection may well exceed those of SVE. Additionally, based on our experience at soil remediation, we consider the soil conditions to be well-suited for SVE.



Groundwater Remediation:

URS recommends two years of natural attenuation monitoring concurrent with soil vapor extraction. Site investigation results indicate that groundwater has been impacted. However, an improvement in groundwater quality can be expected if SVE is implemented because the source of future groundwater impacts would be removed. There are currently no receptors for the groundwater exposure pathway. Implementation of natural attenuation as a final remedial response would be technically and economically feasible.

TABLE 1-A SOIL HEAD SPACE ANALYSES GEOPROBE SAMPLES ROBINSON'S DRY CLEANERS 1819 EAST MILWAUKEE STREET JANESVILLE, WISCONSIN

PROBE	DEPTH	READING	PROBE	DEPTH	READING	PROBE	DEPTH	READING
	2	1.0		2	1.9	, ,	2	0.0
1	4	1.8		4	1.6		4	0.6
	6	2.0		6	1.6		6	0.0
ROBIN-01	8	1.8	ROBIN-05	8	1.8	ROBIN-09	8	0.8
KOBIN-01	10	1.3		10	2.1	i i	10	0.1
	12	2.7		12	1.9		12	0.2
	14	3.6		15	1.8		15	0.6
	15	3.2		2	2.4		2	0.1
	2	8.5		4	2.3		4	0.0
1	4	6.9	ROBIN-06	6	2.1		6	0.5
	6	19.4		8	1.8	ROBIN-10	8	0.1
ROBIN-02	8	25.7		10	2.6		10	0.1
KOBIN-02	10	15.3		12	1.2	ROBIN-11	12	0.0
	12	5.0		15	1.5		15	0.1
	14	4.1		2	1.1		2	1.6
	15	4.5		4	0.3		4	1.5
	2	15.9		6	0.9		6	1.4
	4	6.3	ROBIN-07	8	1.5		8	1.8
	6	3.4		10	1.6		10	1.9
ROBIN-03	. 8	5.6		12	1.5		12	1.9
	10	3.2		15	1.0		15	2.1
	12	3.3		2	1.3		2	0.9
	15	2.8		4	1.1		4	1.4
	2	2.5		6	1.1		6	1.0
	4	2.5	ROBIN-08	8	1.3	ROBIN-12	8	1.8
	6	2.6		10	1.6		10	1.8
ROBIN-04	8	2.4		12	1.9		12	1.6
	10	2.1		15	0.8		15	2.2
	12	0.6						
	15	0.5						

Depths in feet below ground surface.

Readings in instrument units (parts per million of sample drawn into PID).

Sample forwarded for laboratory analyses.

TABLE 1-B SOIL HEAD SPACE ANALYSES SOIL BORINGS ROBINSON'S DRY CLEANERS 1819 EAST MILWAUKEE STREET JANESVILLE, WISCONSIN

BORING	DEPTH	READING	BORING	DEPTH	READING	BORING	DEPTH	READING
	5	6.8		8	6.8	_	5	0.0
	10	6.8		10	5.8		10	1.2
	15	5.8		15	5.6		15	1.4
	20	7.0	B-2	20	5.6	B-4	20	2.2
	25	6.0	D-2	25	4.2	D -4	25	2.2
	30	5.6		30	6,4		30	2.8
ĺ	35	6.6		35	4.0		35	2.0
B-1	40	5.6		40	6.4		40	0.0
B-1	45	6.4		5	0.0		5	0.0
	50	6.2		10	0.8		10	0.6
Į į	55	5.0		15	0.0		15	1.8
	60	5.8	B-3	20	0.6	B-5	20	1.8
	65	5.2	D-3	25	0.6	D-0	25	1.2
	70	5.8		30	1.6		30	1.8
	75	6.0		35	1.6		35	1.8
	80	5.6		40	1.4		30	1.6

Depths in feet below ground surface.

Readings in instrument units (parts per million of sample drawn into PID).

Sample forwarded for laboratory analyses.

TABLE 2 SLUG TEST RESULTS ROBINSON'S DRY CLEANERS 1819 EAST MILWAUKEE STREET JANESVILLE, WISCONSIN All results in feet per second

WELL	TEST	RESULT
NASS7 1	SLUG IN	0.020
MW-1	SLUG OUT	0.019
3.637.0	SLUG IN	0.036
MW-2	SLUG OUT	0.033
MW 2	SLUG IN	0.037
MW-3	SLUG OUT	0.039
AVERAGE:		0.031

TABLE 4 SOIL LABORATORY ANALYSES ROBINSON'S DRY CLEANERS 1819 EAST MILWAUKEE STREET JANESVILLE, WISCONISN Concentrations in µg/kg

		SAMPLE LOCATION AND DEPTH (FEET)									
PARAMETER ¹	ROBIN-02	ROBIN-03	ROBIN-04	ROBIN-06	ROBIN-08	ROBIN-09	ROBIN-10	ROBIN-11			
	8	2	15	4	12	15	_ 8	15			
cis-1,2-Dichloroethene	5000	450	<16	<16	<16	<16	<16	<16			
Naphthalene	<73>	<25	<25	<25	<25	<25	<25	<25			
Tetrachloroethene	750	30000	<41>	180	<22	<26>	<22	<22			
Trichloroethene	<30>	760	<23	240	<23	<23	<23	<23			
Trichlorofluoromethane	<16_	<16	<16	<16	<16	<16	<16	<16			

¹ Full EPA 8260 scan was completed; only parameters detected are presented in this table.

<> Indicates compound present at a concentration above detection limit but below quantitation limit.

TABLE 4 SOIL LABORATORY ANALYSES **ROBINSON'S DRY CLEANERS** 1819 EAST MILWAUKEE STREET JANESVILLE, WISCONISN Concentrations in µg/kg

	SAMPLE LOCATION AND DEPTH (FEET)								
PARAMETER ¹	ROBIN-12	B-1	B-1	B-2	B-3	B-4	B-4	B-5	B-5
	15	30	70	30	30	10	40	10	40
cis-1,2-Dichloroethene	<16	<16	<16	<16	<16	<16	<16	<16	<16
Naphthalene	<25	<25	<25	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<22	<27>	<22	<54>	<36>	<39>	<26>	<65>	<36>
Trichloroethene	<23	<23	<23	<23	<23	<23	<23	<23	<23
Trichlorofluoromethane	<16	<16	<16	<16	74	60	140	87	,110

Fluorotrichloro Methane EPA Region 11/ Soil Residential 23,000 mg/kg
NR140 GW 3490/698 wg/L Soil-Gw Migratian 23 mg/kg

1 Full EPA 8260 scan was completed; only parameters detected are presented in this table.

<> Indicates compound present at a concentration above detection limit but below quantitation limit.

TABLE 5 GROUNDWATER ANALYSES ROBINSON'S DRY CLEANERS 1819 EAST MILWAUKEE STREET JANESVILLE, WISCONSIN All concentrations in µg/L

DADAMETER		WELL					
PARAMETER	MW-1	MW-2	MW-2D	MW-3			
Volatile organic compounds 1:				<u> </u>			
cis-1,2-Dichloroethene $\cancel{\times}0\cancel{\times}$	<0.28	2.9	<0.28	<0.28			
Tetrachloroethene 5/0.5	1.6	15	1.7	1.6			
Trichloroethene	< 0.29	<0.32>	<0.29	<0.29			
Field measurements:							
pН	6.6	6.7	6.5	6.5			
Conductivity (µS)	720	700	700	700			
Temperature (°C)	14.7	14.5	14.1	16.0			
Oxidation reduction potential (mV)	50	45	45	60			

 $^{^{\}rm 1}$ Full EPA 8260 VOC scan was completed; only parameters detected are listed.

TABLE 6-A ESTIMATED COSTS SOIL REMEDIATION IN-SITU CHEMICAL INJECTION ROBINSON'S CLEANERS MILWAUKEE STREET JANESVILLE, WISCONSIN

ITEM	UNITS	QUANTITY	RATE	COST
Engineering and Consulting:				
Project management/reporting	Hours	16	\$140	\$2,240
Field oversight	Hours	32	\$70	\$2,240
Clerical & Accounting	Hours	8	\$50	\$400
Expenses	Days	4	\$150	\$600
Contingency	Percent	15		\$822
<u>·</u>			Subtotal:	\$6,302
Subcontracting & Vending:				
Chemical Vendor	Estimate	1	\$90,000	\$90,000
Geoprobe	Days	4	\$1,500	\$6,000
Contingency	Percent	15		\$14,400
			Subtotal:	\$110,400
		ESTIMATED T	TOTAL COST:	\$116,702

TABLE 6-B ESTIMATED COSTS SOIL REMEDIATION SOIL VAPOR EXTRACTION ROBINSON'S CLEANERS MILWAUKEE STREET JANESVILLE, WISCONSIN

ITEM	UNITS	QUANTITY	RATE	COST
Engineering and Consulting:				
Project management/reporting	Hours	60	\$140	\$8,400
Plans & specifications	Hours	80	\$100	\$8,000
Field oversight	Hours	80	\$70	\$5,600
Startup sampling	Hours	40	\$70	\$2,800
Operation & maintenance	Hours	120	\$70	\$8,400
Clerical & Accounting	Hours	8	\$50	\$400
Expenses - field	Days	25	\$150	\$3,750
Expenses - reports	Estimate	1	\$500	\$500
Contingency	Percent	15		\$5,603
			Subtotal:	\$43,453
Subcontracting & Vending:				
Well Drilling ¹	Estimate	1	\$15,000	\$15,000
Pump & housing	Estimate	1	\$15,000	\$15,000
Construction contractor	Estimate	1	\$9,000	\$9,000
Laboratory fees ²	Estimate	19	\$50	\$950
Electrical fees	Estimate	1	\$5,000	\$5,000
Contingency	Percent	15		\$6,743
			Subtotal:	\$51,693
		ESTIMATED T	TOTAL COST:	\$95,145

¹ Assumes two 4-inch wells to a depth of 70 feet.

² Assumes one sample per day for 5 days; 1 sample per week for 3 weeks, then monthly sampling for 11 months in first year of operation.

TABLE 7-A ESTIMATED COSTS GROUNDWATER REMEDIATION NATURAL ATTENUATION MONITORING ROBINSON'S CLEANERS MILWAUKEE STREET JANESVILLE, WISCONSIN

ITEM	UNITS	QUANTITY	RATE	COST
Engineering and Consulting:				
Project management/reporting	Hours	40	\$140	\$5,600
Field sampling ¹	Hours	80	\$100	\$8,000
Clerical & Accounting	Hours	8	\$50	\$400
Expenses	Days	8	\$150	\$1,200
Contingency	Percent	15		\$2,280
			Subtotal:	\$17,480
Subcontracting & Vending:				
Laboratory fees - VOCs ²	Each	32	\$100	\$3,200
Laboratory fees - natural attenuation ²	Each	8	\$80	\$640
Contingency	Percent	15		\$576
			Subtotal:	\$3,840
		ESTIMATED T	OTAL COST:	\$21,320

¹ Quarterly sampling of four wells for two years.

² Analyzed for volatile organic compounds in all eight quarters; natural attenuation parameters in first two quarters.

TABLE 7-B ESTIMATED COSTS

GROUNDWATER REMEDIATION

GROUNDWATER EXTRACTION AND AIR STRIPPING

ROBINSON'S CLEANERS MILWAUKEE STREET

JANESVILLE, WISCONSIN

ITEM	UNITS	QUANTITY	RATE	COST
Engineering and Consulting:				
Project management/reporting	Hours	60	\$140	\$8,400
Plans & specifications	Hours	120	\$100	\$12,000
Field oversight	Hours	80	\$70	\$5,600
Startup sampling	Hours	40	\$70	\$2,800
Operation & maintenance	Hours	120	\$70	\$8,400
Field sampling	Hours	400	\$100	\$40,000
Clerical & Accounting	Hours	8	\$50	\$400
Expenses - field	Days	38	\$150	\$5,700
Expenses - reports	Estimate	1	\$500	\$500
Contingency	Percent	15		\$12,495
			Subtotal:	\$96,295
Subcontracting & Vending:				
Drilling (assumes two wells)	Estimate	1	\$12,000	\$12,000
Treatment system	Estimate	1		\$50,000
Electrical supply	Estimate	1	\$6,000	\$6,000
Laboratory fees - System ¹	Each	81	\$100	\$8,100
Laboratory fees - quarterly monitoring ²	Each	32	\$100	\$3,200
Contingency	Percent	15		\$11,895
			Subtotal:	\$79,300
		ESTIMATED :	TOTAL COST:	\$175,595

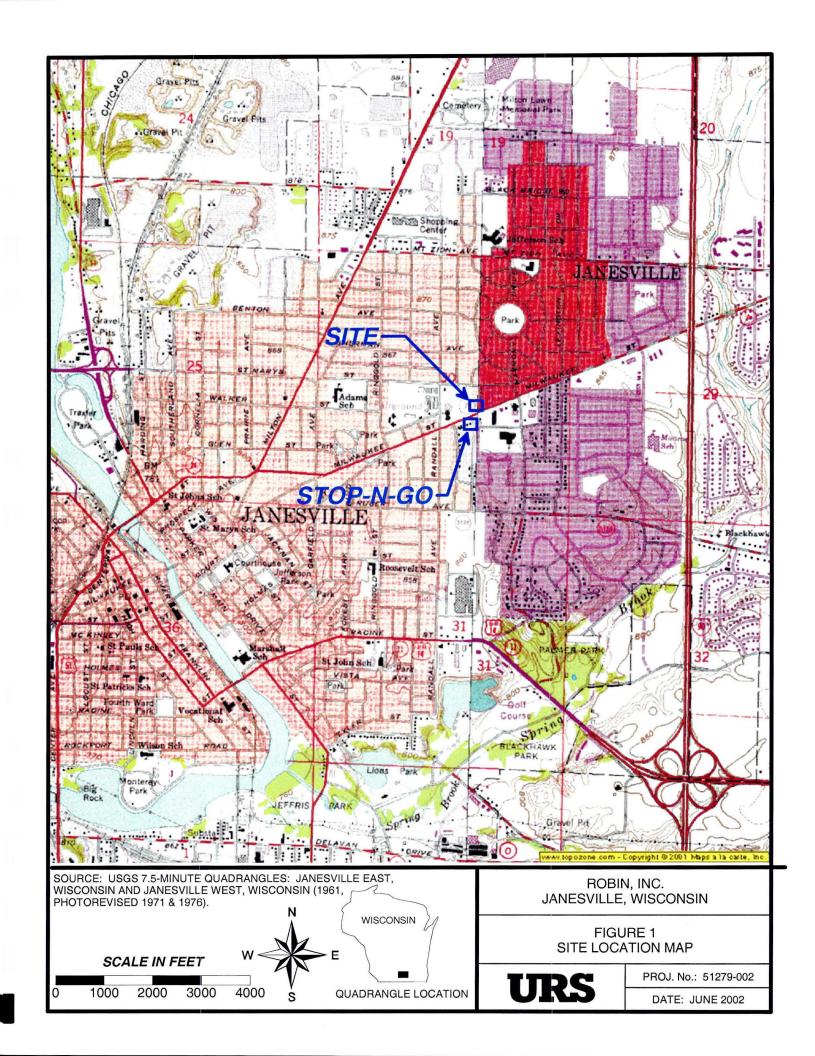
¹ One sample event (2 wells and effluent) per week for first month; one sample per month for remainder of two years.

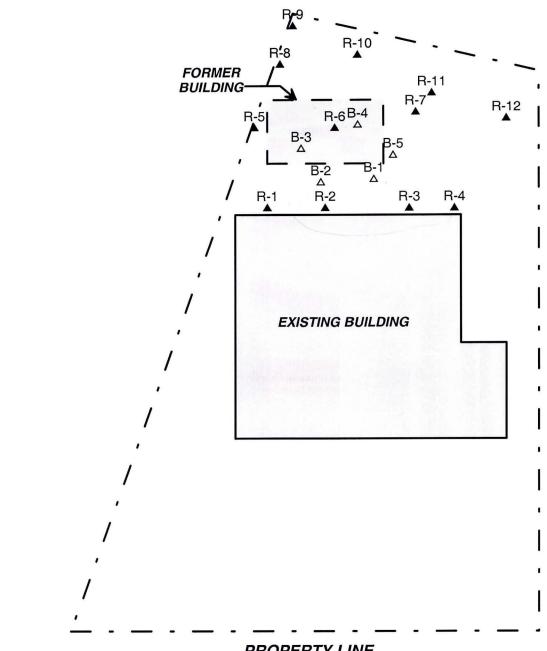
² Quarterly sampling of four wells for two years.

TABLE 7-C ESTIMATED COSTS GROUNDWATER REMEDIATION OZONE SPARGING ROBINSON'S CLEANERS MILWAUKEE STREET JANESVILLE, WISCONSIN

ITEM	UNITS	QUANTITY	RATE	COST
Engineering and Consulting:				
Project management/reporting	Hours	40	\$140	\$5,600
Field sampling ¹	Hours	80	\$100	\$8,000
Oversight	Hours	40	\$70	\$2,800
Operation & maintenance	Hours	200	\$70	\$14,000
Clerical & Accounting	Hours	8	\$50	\$400
Expenses - field	Days	19	\$150	\$2,850
Expenses - reports	Estimate	1	\$500	\$500
Contingency	Percent	15		\$5,048
			Subtotal:	\$39,198
Subcontracting & Vending:				
Drilling (4 wells)	Estimate	1	\$21,000	\$21,000
Ozone sparge system	Estimate	1	\$92,500	\$92,500
Electrical supply	Estimate] 1	\$3,000	\$3,000
Laboratory fees - VOCs ¹	Each	32	\$100	\$3,200
Contingency	Percent	15		\$17,955
			Subtotal:	\$119,700
		ESTIMATED T	TOTAL COST:	\$158,898

¹ Quarterly sampling of four wells for two years.

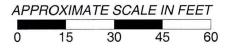




PROPERTY LINE

MILWAUKEE STREET

- GEOPROBE SAMPLE LOCATIONS
- **SOIL BORINGS**





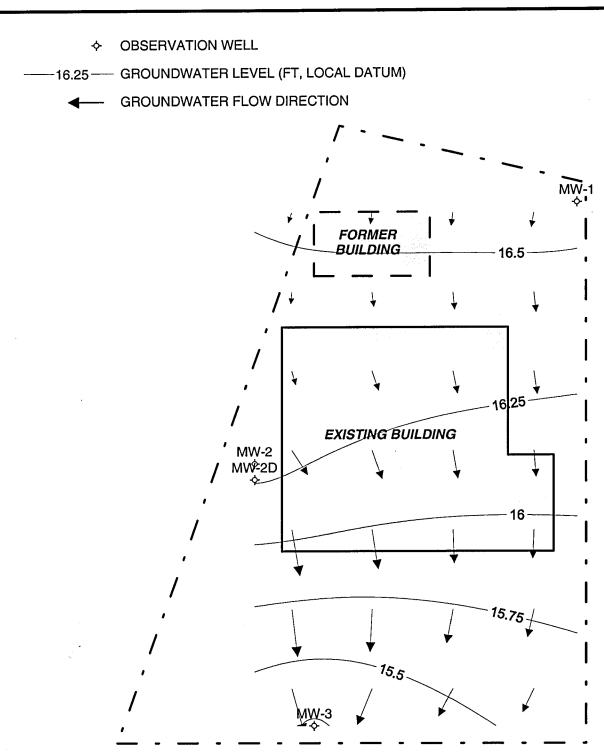
ROBINSON'S DRY CLEANERS 1819 WEST MILWAUKEE STREET JANESVILLE, WISCONSIN

FIGURE 3 SOIL SAMPLE LOCATIONS



DATE: OCTOBER 2002

PROJECT No.: 51279-002





APPROXIMATE SCALE IN FEET
0 15 30 45 60



ROBINSON'S DRY CLEANERS 1819 WEST MILWAUKEE STREET JANESVILLE, WISCONSIN

FIGURE 4 WELL LOCATIONS AND GROUNDWATER ELEVATIONS



DATE: OCTOBER 2002

PROJECT No.: 51279-002

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I hereby certify that the information on this form is true and correct to the bets of my knowledge.

Signature Will Signature Will Signature URS Corporation, Madison, WI

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_	Length Recovered (IN)	Blow Counts (N)	Depth in Feet	Soil/Ro	ck Descri	ption				Graphic Log	Sample Depth		Standard Penetration	<u>ب</u> ع				ROD/Comments
Number	th vere	ပိ	pth		ologic Orig				USCS	aphi)dui	PID/FID	anda	Moisture Content	Liquid	Plastic Limit	P 200	D/C
ž	-eng	Blo	ă	Eacl	h Major U	nit			ž	ρ	လိ	₫	Sta	≱ິວ	글들	E :	۵	S
			E	SAND, gravell	y, brown				SP									
			<u> </u>	SILT, firm, mo	oist, black				ML									
4	26		-					\neg		7///	2	8.5						
1	36		- 2															
			– 3						CL									
												6.0						
2			4	CLAY, olive	orav						4	6.9						
_			E		5. ~·)										1			
			- 5															
_			<u> </u>								6	19.4						
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			- - 7		st, reddish		-,											
											_	05.7			1			
4			8								8	25.7						
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7	30		- 14							M	14	4.1						
8			15					-			15	4.5			1			
			=	EOB at 15 ft.														

I hereby certify that the information on this form is true and correct to the bets of my knowledge.

Signature VIII Oputa Firm LIPS C

Abandoned with bentonite chips.

Firm URS Corporation, Madison, WI

	of Wis		ral Passi	urooo						SOIL			OG IN	FOR	ITAN	
Depa	irumeni	or Natu	ıral Resoi	Route To:		☐ Haz	. Waste	9		Fo	orm 4400	0-122				7-91
				□ Solid Waste		☐ Und			ks							
				□ Wastewater		☐ Wat	er Res	ources								¥1.
				☐ Emergency Res	sponse	☐ Oth	er						Pa	age _ 1	_ of _	1
	ity / Pro			ers – 1819 E. Milwaukee St., Jan	acvillo.	Lice	ense/Pe	ermit/N	lonitori	ng Numb	er	В	Boring N	umber		
				e and name of crew chief)		Date	Drilling	Starte		Date	Drilling	Comple	R-3	Drilli	ng Met	nod
				Onsite Environmental Servi	ices	Date			02		<u>07</u> /			1		
						ММ	- /-D	D /-	YY	, N	1 M	DD /	02 YY	G	eopro	De
DNR	Facility	/Well N	lo. V	VI Unique Well No. Common Well	l Name	Final	Static \	Nater I	Level	Surfa	ce Eleva	ation				ameter
							F	eet M	SL			_ Feet I			2.0	inches
	g Locat	tion _		N ES	S/C/N	l La	at	_	_	Local	Grid Lo		If Applic N	able)		□ E
NN	/ 1/4	of SE	1/4 of	Section 30 T 3 N , R 13 I	E	Lon	g	_			Fe		S		Fee	
Coun					DNR Count	ty Code		Civil To	own / C	ity / or V	llage					
F	Rock				5	_4		C	City o	f Jane	sville					
Samp		ĵ.					_		£			Soil Pr	operties	;		nts
	Length Recovered (IN)	Blow Counts (N)	Depth in Feet	Call/Daal-Daal-				og	Sample Depth		_ 6					ROD/Comments
Number	ared	Coul	th i	Soil/Rock Descrip And Geologic Orig			ιχ	Graphic Log	aldı	PID/FID	Standard Penetration	Moisture Content	₽	t tic	8	/Co
N N	ngth	Slow	Dep	Each Major Un			nscs	Gra	San	PID	Stan	Mois	Liquid	Plastic Limit	P 200	ROD
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-			Ξ	EOB at 15 ft.					10							
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			E 17	Abandoned with bentor	iite chips.											
I her	eby cer	tify that	the infor	mation on this form is true and correc	ct to the bets	qf my kn	owledg	e.								
Signa		$-\eta_I$, .	Muta		Firm			Corne	ration	Mad	ison '	WI			

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$4,000 for each violation. Fines not less than \$10 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats

URS Corporation, Madison, WI

		sconsin	wal Dage								SOIL			DG IN	IFOR	MATI	
Бера	rtment	of Natu	ıral Reso	Rou	ute To:		пь	az. Wa	to		F	orm 440	0-122				7-91
					Solid Waste			ndergro		nks							
					Wastewater			Vater Re									
					Emergency F	Response		ther						P	age 1	of	1
Facili	ty / Pro	oject Na	me				Т	icense	Permit	Monitor	ing Numb	er	TE	Boring N	umber		
F	Robins	on Dry	/ Cleane	rs – 1819 E. Milwa	aukee St., Ja	anesville								R-4			
				e and name of crew			Da	te Drillin			Date	Drilling	Comple	-	Drilli	ing Met	hod
ı	Jenn	is I of	tzke, C	nsite Environn	nental Ser	vices	۱.	07 /-	12	<u>, 02</u>	١.	07 /-		02	G	eopro	be
5115		344 11 4		0.11	Common W	All Name	N	M nal Stati	D D	YY	Curfo	и м ce Eleva	D D	YY	Boro	sholo Di	ameter
DNR	Facility	y Well N	io. v	VI Unique Well No.	Common w	eli Name	["	iai Siau	Feet		Suna	ce Eleva	Feet I	101			inches
Borin	g Loca	tion							reet	VISL	Loca	l Grid Lo					licies
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_NV	1/4	of SE	1/4 of	Section 30 T 3	N , R 13	_E	11	ong _		_		Fe	et 🗖	S	-	Fee	et 🗆 W
Coun						DNR Cou			Civil		City / or V	-					
F	Rock					5	_4	-		City of	of Jane	sville					100
Samp		9	l					T	T	T_			Soil Pr	operties	3		ats.
	Length Recovered (IN)	Blow Counts (N)	Depth in Feet	0 11/0					8	Sample Depth		5					ROD/Comments
ber	red	Sour	ت ت		ck Descr			0	Graphic Log	eg .	e e	Standard Penetration	Moisture Content	_	. Ę.	0	Con
Number	gth	NO.	Dept		ologic Ori h Major U			8	Grap	Sam	PID/FID	Stanc	Mois	Limit	Plastic Limit	P 200	QO
	Re Le	ш.		Laci	ii wajoi o						_	, L					
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U			= "	EOB at 15 ft.						115	0.5					1	
			16														
			E 17	Abandoned v	with bento	onite chips	3.										
11.			<u> </u>														

I hereby certify that the information on this form is true and correct to the bets of my knowledge.

Signature Robert Janta Firm URS Corporation, Madison, WI

	of Wis		ral Daga								SOIL I			og in	IFOR	MATI		
Бера	rtment	or Natu	ral Reso	urces Rou	ute To:		□ Haz	Wast			F	orm 4400	0-122				7-9	1
					Solid Waste		Und			ks								
					Wastewater			ter Res										
					Emergency R	esponse	☐ Oth							Pa	age _1	of	1	
Facil	ity / Pro	ject Na	me				Lic	ense/Pe	ermit/N	onitori	ng Numb	er	IB	oring N	umber			
				ers – 1819 E. Milwa	aukee St., Ja	anesville	_						_	R-5				
				e and name of crew				Drilling					Comple	ted	Drilli	ing Met	hod	
ı	Denn	is Tot	zke, C	Onsite Environm	nental Ser	vices		_ /_	/-	02	_		<u>12</u> /	02	G	eopro	be	
DMO	F	VA / - 1/ A		VI Unique Well No.	Common W	oll Nama	M M	Static \	D Mater	YY		M ce Eleva	D D	YY	Bore	hole D	ameter	
DNK	Facility	/Well N	o. '	vi Unique weil No.	Common w	eli Name	rinai				Suria	ce Eleva	Feet M	101			inches	
Borin	g Loca	tion							eet M	SL_	Local	Grid Lo	cation (2.0	inci ies	
	Plane	_		N	E	S/C/N	l L	at —	_	_	Loca	Olid Lo		N	abic		o e	
NN	1/4	of SE	1/4 of	Section <u>30</u> T <u>3</u>	N ,R <u>13</u>	_E	Lor	ig	_	_		Fe		s		Fe		
Coun						DNR Cou	1.000				ity / or V	-						
F	Rock					5	_4_	-	C	City of	f Jane	sville						
Samp		?						Г		_			Soil Pr	operties	;		ıts	
	Length Recovered (IN)	Blow Counts (N)	Depth in Feet					1	go.	Sample Depth		E		İ			ROD/Comments	
ber	pe _J	Sour	Ë		ck Descri			س	Graphic Log	ole [₽:	Standard Penetration	ure	_	<u>i</u>	0	Con	
Number	gth	ow (Sept		logic Ori			nscs	Jrap	Sam	PID/FID	tand	Moisture Content	Liquid	Plastic Limit	P 200	/do	
	Len	B]	Eaci	h Major U	nit			Ů	3	ы	S	20	ר	4.1		<u>«</u>	
			=	SAND, gravell	y, moist, br	own		SP										
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			<u> </u>	Abandoned v	with bento	onite chips	i.											
I here	ebv cer	tify Mat		mation on this form is	s true and corr	ect to the hets	of my kr	owleda	•									

Firm Signature URS Corporation, Madison, WI This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$4,000 for each violation. Fines not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a

separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats

-	of Wis		ral Danau	17000						;	SOIL			og in	FOR	ITAN	
Бера	rtment	or Natu	ral Resou	Rou	ute To:		□ Haz	Waste			Fo	orm 4400	0-122				7-91
					Solid Waste		□ Und			ks							
					Wastewater		□ Wat										
					Emergency R	esponse	☐ Oth	er						Pa	age _ 1	_ of _	1
		ject Na		4040 5 147			Lice	ense/Pe	rmit/M	onitorir	ng Numb	er	В	oring N	umber		
				rs – 1819 E. Milwa		inesville	<u>-</u>	D-1111	<u></u>			Deilling	- Comple	R-6	Delli	ng Met	and .
				e and name of crew on site Environm		vices	Date	Drilling 7 , 1		02		07 ,	Comple 12	02			
	301111		, O	TIONS ETVILOTION	iornai ooi	11000	ММ	- /_	_ /-	YY	-	1 M	DD /	YY	G	eopro	be
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	g Local	tion		N.	Е	S/C/N	La	at —		_	Local	Grid Lo	cation (f Applic N	able)		ΠE
NW		of SE	1/4 of	Section <u>30</u> T <u>3</u>	N ,R 13	E	Lon	g <u>—</u>	_	_		Fe		S		Fee	
Coun						DNR Coun		T	Civil To	own / C	ity / or V	llage					
F	Rock					5	_4_	.	C	ity of	Jane	sville					
Samp		Î						_		_			Soil Pr	operties			nts
	Length Recovered (IN)	Blow Counts (N)	Depth in Feet	Cail/Da	ak Daaasi				Log	Sample Depth		6					ROD/Comments
per	ped	Cour	th Fi		ck Descri logic Orig			တ္သ	Graphic Log	eldu	PID/FID	dard	sture	<u>.</u> . و	t	8	/Cor
Number	ngth	Slow	Dep		n Major U			nscs	Grap	San	PID/	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	20
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			E 9	brown				SP									
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			Ξ	EOB at 15 ft.													
			16	Abandoned v	vith bento	nite chine											
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I here	eby cer	tify that	the inform	mation on this form is	true and corr	ect to the bets	of my kn	owledg	e.								

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Firm

URS Corporation, Madison, WI

Signature

	of Wis		ıral Resou							;	SOIL			OG IN	FOR	ITAN	
Бера	runent	oi Natu	irai Resoc	Ro	ute To:		□на	z. Waste	a .		Fo	orm 4400	0-122				7-91
					Solid Waste			dergrou		ks							
					Wastewater			ater Res									
					Emergency R	esponse	☐ Ot	ner						Pa	age _ 1	of	1
Facili	ty / Pro	ject Na	me				Li	ense/Pe	ermit/N	lonitorir	ng Numb	er	В	Boring N	umber		
				rs – 1819 E. Milw	aukee St., Ja	inesville	_						-	R-7			
				and name of crew				Drilling			Date	Drilling	Comple	ted	Drilli	ng Met	hod
[Denn	is Tot	tzke, O	nsite Environn	nental Ser	vices	1 _	— /—	— /-	02	-	<u>07</u> /	<u>12</u> /	02	G	eopro	be
			II o		L a		M		D	YY	N N	1 M	DD	YY			
DNR	Facility	/ Well N	lo. W	I Unique Well No.	Common Wo	ell Name	Fina	I Static			Surfa	ce Eleva		401			ameter inches
Rorin	g Loca	tion	-						eet M	SL	Local	Grid Lo	_ Feet N			2.0	inches
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NW	1/4	of SE	1/4 of	Section <u>30</u> T <u>3</u>	N , R 13	E	l Lo	ng	. —			Fe		S		Fe	
Coun	•					DNR Cou					ity / or V						
F	Rock					_5_	4	-	C	City of	Jane	sville					
Samp		2						T		ے			Soil Pr	operties			nts
	Length Recovered (IN)	Blow Counts (N)	Depth in Feet	0.11/0					og -	Sample Depth		- Lo					ROD/Comments
per	red	Cour	ت ت		ock Descri			တ္က	Graphic Log	ple [딤	Standard Penetration	Moisture Content	,	r fic	0	/Con
Number	gth	wo	Depi		ologic Orig h Major U			nscs	Grap	Sam	PID/FID	Stan	Mois	Liquid	Plastic Limit	P 200	8
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*,			E 16		nita obio												
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I here	eby cer	tify that	the inform	mation on this form i	s true and corr	ect to the bet	s of my k	nowledg	e.								

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Firm

URS Corporation, Madison, WI

Signature

		sconsin	ual Dago						;	SOIL			OG IN	IFORI	ITAN	
Depa	arumenu	or Natu	ıral Reso	Route To:		□ Haz	Waste			Fo	orm 4400	0-122				7-91
				□ Solid Waste		□ Und			ks							
				■ Wastewater		□ Wat										
				Emergency R	esponse	☐ Othe	er						Pa	age _ 1	of	1
		ject Na				Lice	ense/Pe	rmit/M	lonitorir	ng Numb	er	E	oring N	umber		
	Robins	on Dry	/ Cleane	ers – 1819 E. Milwaukee St., Ja	anesville				_				R-8			
				e and name of crew chief)			Drilling				Drilling			Drilli	ng Met	hod
,	Jenn	IS IO	izke, C	Insite Environmental Ser	vices	$\frac{1}{M} \frac{1}{M}$	- /	2 /-	02 YY	_	<u>07</u> 1м	12 /	<u>02</u>	G	eopro	be
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_		of SE	1/4 of	Section 30 T 3 N , R 13		I Lon		_	_	_	Fe	et 🗖	S		Fe	et 🗆 W
Coun	(DNR Count	-	- '			ity / or V	-					
- 1	Rock				5	_4			ity of	Jane	sville					
Samp		Î.	<u> </u>						£			Soil Pr	operties			ants
	Length Recovered (IN)	Blow Counts (N)	Depth in Feet	Soil/Rock Descri	intion			Graphic Log	Sample Depth		Standard Penetration	_				ROD/Comments
Number	ered	Cor	tr ir	And Geologic Orig			8	phic	nple	PID/FID	ndare	Moisture Content	Ę Į	Plastic Limit	00	%)C
Ž	angth acov	3low	Dep	Each Major U			nscs	Gra	Sar	PID	Star	S M	Liquid	Pla	P 200	ROD
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Signature Firm URS Corporation, Madison, WI

	of Wis		ral Bass								SOIL			og in	IFORI	ITAN	
Depa	ument	UI Natu	ıral Reso	Rou	te To:		□ Haz	Waste			Fo	orm 4400	0-122				7-91
					Solid Waste			ergrour		ks							
					Wastewater		2000	er Reso									
					Emergency R	esponse	☐ Oth	er						Pa	age _ 1	of	1
		ject Na					Lice	ense/Pe	rmit/M	lonitori	ng Numb	er	E	Boring N	umber		
				ers – 1819 E. Milwa		anesville			_					R-9	_		
				e and name of crew o			Date 0	Drilling		d 02		Drilling	`		Drilli	ing Met	hod
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I hereby certify that the information on this form is true and correct to the bets of my knowledge.

Signature Robert Tauta

Firm URS Corporation, Madison, WI

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$4,000 for each violation. Fines not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats

	of Wis		ıral Resou	Iroon						SOIL I			og in	FOR	ITAN	
Depa	unent	oi ivatu	iai Nesot	Route To:		□н	az. Waste			Fo	orm 4400)-122				7-91
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				☐ Emerg	ency Response	□ Of	ther						Pa	age _ 1	_ of _	1
		ject Na				Li	icense/Pe	ermit/N	onitori	ng Numb	er	В	oring N	umber		
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				e and name of crew chief)			e Drilling				Drilling			Drilli	ng Met	hod
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Number	ngth	low	Dep	Each Maj			nscs	Grap	San	PID/	Standard Penetration	Moisture Content	Liquid	Plastic Limit	P 200	300
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This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$4,000 for each violation. Fines not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats

Firm

URS Corporation, Madison, WI

Signature

	of Wis		ral Resou	irces						,	SOIL			DG IN	IFORI	ITAN	
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					Solid Waste		□ Und	dergrou	nd Tan	ks					263		
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					Emergency Re	esponse	☐ Oth	er							age _ 1	_ of _	1
		ject Na on Dry		rs – 1819 E. Milwa	aukee St., Ja	nesville					ng Numb	er — —	_ B	oring N R-1			
				e and name of crew				Drilling				Drilling	contraction (C)		Drilli	ing Met	hod
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Coun						DNR Coun	ty Code		Civil To	own / C	ity / or V	llage					
F	Rock					5	_4	-	C	City of	f Jane:	sville					
Samp		ĵ.	at .					Г		£			Soil Pr	operties			ants
_	Length Recovered (IN)	Blow Counts (N)	Depth in Feet	Soil/Ro	ck Descri	ntion			Graphic Log	Sample Depth		d tion	6				ROD/Comments
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I here	eby cer	tify that	the inform	mation on this form is	true and corre	ect to the bets	of my kr	nowledg	e.								

Signature Firm URS Corporation, Madison, WI

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$4,000 for each violation. Fines not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats

	of Wis		ral Pasa	rcoc							SOIL			og in	FOR	ITAN	
Бера	rtment	or Natu	ral Resou	Rou	ute To:		Пн	laz. Waste			Fo	orm 4400	0-122				7-91
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Facili	ty / Pro	ject Na	me				IL	icense/Pe	rmit/M	onitorir	ng Numb	er	В	oring N	umber		
				rs – 1819 E. Milwa	aukee St., Ja	inesville	-		_				_	R-12			
				e and name of crew				te Drilling			Date	Drilling	Comple	ted	Drilli	ng Met	hod
[Denn	is Tot	zke, C	nsite Environn	nental Ser	vices	_	/_	/-	02	_	<u>07</u> /		02	l G	eopro	be
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I here	eby cer	tify that	the inform	mation on this form is	true and corre	ect to the bets	of my	knowledge	e.								

Signature Firm URS Corporation, Madison, WI

		consin of Nati	ural Resou	rces Ro	ute To:		□ Haz	. Waste	•		SOIL	BORII orm 440		OG IN	IFORI	MATI		7-91
					Solid Waste		Und Und	ergrour	nd Tar									
					Wastewater Emergency Re		☐ Wat	er Reso er	ources	.				Pa	age1	of	5	
		ject Na					Lice	nse/Pe	ermit/N	Monitor	ing Numb	er	B	oring N		B-		
				s - 1819 E. Milv and name of crew		Janesville	Date	Drilling	Starte	-d	Date	Drilling	Comple	ted	Drilli	ing Met		
20,	_			, Badger State	•		_08	_ /_2	3_/	02	1.	08 /	23 /	02			ID HS	SA
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Count	-	ock				DNR Count	y Code 4	[Civil		City / or V City of		ville					
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	N)	S)	99 t	Soil/Ro	ock Descri	ntion			S _i	gram		5					men	
Number	Length Recovered (IN	Blow Counts (N)	Depth in Feet	And Ged	Soil/Rock Description And Geologic Origin For Each Major Unit			ဗ္ဗ	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	을 돌	Plastic Limit	00	ROD/Comments	
ž	Red Co	Blow	Dept	Eac	Each Major Unit			nscs	ΰ	We	8	Per P	કેંહે	Liquid	뮵	P 200	ROI	
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3	18	11,13		some gravel light brown	, medium de	ense, moist,	1	}			5.8	20	[

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Robert Butta Firm URS Corporation, Madison, WI

SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A 7-91

Bori	ng Num	ber	B-1								Р	age 2	of	5_
Sam		Ê					_			Soil Pr	opertie	s		ants
Number	Length Recovered (IN)	Blow Counts (N)	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	nscs	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	ROD/Comments
4	17	5, 7 10, 11	16 17 18 18 19 20 21 21 22 22	SAND, fine to coarse grained, trace to little gravel, medium dense, moist, light brown ~19.5 ft, SAND, very fine to medium grained, trace gravel, medium dense, moist, tan	sw			7.0	17					
5	15	6, 8 10, 12	23 24 25 25 26	SAND, very fine to medium grained, trace gravel, medium dense, moist, tan ~24.5 ft, SAND, fine to coarse grained, trace gravel, medium dense, moist, light brown	sw			6.0	18					
6	13	7, 10 13, 14	27 28 29 30 30 31 31 32	SAND, fine to coarse grained, with some gravel, medium dense, moist, light brown	sw			5.6	23					
7	13	8, 9 10, 10	33	SAND, fine to coarse grained, trace to little gravel, medium dense, moist, light brown ~34.3 ft, SAND, very fine to medium grained, trace gravel, medium dense, moist, tan to light brown	sw			6.6	19					

Form 4400-122A

7-91

B-1 Page 3 of 5 **Boring Number** Sample Soil Properties ROD/Comments Blow Counts (N) Well Diagram Depth in Feet Graphic Log Length Recovered (Soil/Rock Description Moisture Content PID/FID And Geologic Origin For Liquid Limit Plastic Limit P 200 **Each Major Unit** 38 SAND, very fine to medium grained, SW 5.6 21 trace gravel, medium dense, moist, tan 10, 8 to light brown 17 8 13, 15 42 ~43.5 ft; SAND, very fine to medium grained, trace gravel, medium dense, moist, tan ~44 ft, 2" gravel seam followed by 4" SW 6.4 35 13, 16 seam of coarse sand, trace fine sand, 17 9 19, 23 trace to little gravel ~44.5 ft, SAND, fine to coarse grained, trace gravel, dense, moist, light brown SAND, fine grained, medium dense, SP 6.2 26 10, 11 moist, light brown 10 18 15, 16 52 Top 2", SAND, fine grained, medium dense, moist, light brown SW SAND, fine to coarse grained, little to 5.0 25 20 14, 16 some gravel, medium dense, moist, light brown 56 58 59

Form 4400-122A

7-91

	ng Num		B-1		Form	4400-	-122A					4	of	7-91 5
Samp										Soil Pr			01	
Number	Length Recovered (IN)	Blow Counts (N)	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	nscs	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid	Plastic Limit	P 200	ROD/Comments
12		10, 13 16, 17		SAND, fine to coarse grained, trace gravel, medium dense, moist, light brown	sw			5.8	29					
13		11, 17 20, 23		SAND, fine to coarse grained, trace to little gravel, dense, moist, light brown	sw			5.2	37	9				
14	18	7, 16 16, 20	68	Top 8": SAND, very fine to fine grained, medium dense, moist, tan to light brown 1" gravel seam with trace fine sand SAND, fine to medium grained, trace gravel, dense, moist, yellow to light brown	sw			5.8	32					
15		10, 20 21, 23	73	SAND, fine to coarse grained, trace gravel, dense, moist, light brown	sw			6.0	41					
16	16	8, 13 50/5, -		SAND, fine to medium grained, trace gravel, very dense, moist, light brown	sw			5.6	50+					

Form 4400-122A Page 5 of 5 Boring Number Sample Soil Properties Blow Counts (N) ROD/Comments Well Diagram Depth in Feet Graphic Log Soil/Rock Description Moisture Content Number PID/FID And Geologic Origin For Liquid Limit Plastic Limit P 200 **Each Major Unit** 82 Suspected water level 83 at 83 ft. SAND, fine to coarse grained, trace to SW 27 9, 13 little gravel, medium dense, wet, brown 14 14, 15 17 End of boring at 85 ft. Backfilled with 86 bentonite chips. 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103

State of Wi		and Danne								SOIL			OG IN	IFOR	MAT	
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This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$4,000 for each violation. Fines not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats

URS Corporation, Madison, WI

Signature

SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A 7-91

			B-2	1063	Form	4400-	122A				_	2		7-91
Sam	ng Num				T					Soil Pr		age 2	of_	
Number	Length Recovered (IN)	Blow Counts (N)	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	nscs	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	ROD/Comments
4	17	6, 8 10, 11	20 21 21 22	SAND, fine to coarse grained, some gravel, medium dense, moist, tan to light brown	sw			5.6	18					
5	17	8, 10 12, 14	23 24 25 26	SAND, fine to coarse grained, some gravel, medium dense, moist, light brown	sw			4.2	22					
6	17	9, 13 15, 19	30	SAND and GRAVEL, fine to coarse grained sand with much gravel, medium dense, moist, light brown	sw			6.4	28					*
7	18	6, 10 14, 18	33 34 35 36 37 37	SAND, fine to medium grained, trace gravel, medium dense, moist, light brown	sw			4.0	24					

State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Page 3 of 3 Boring Number ROD/Comments Sample Soil Properties Blow Counts (N) Well Diagram Depth in Feet Graphic Log Standard Penetration Soil/Rock Description Moisture Content Number PID/FID Liquid Limit Plastic Limit And Geologic Origin For P 200 **Each Major Unit** 38 SAND, fine to coarse grained, little SW 6.4 20 gravel, medium dense, moist, light 39 brown 7, 9 8 19 11, 13 End of boring at 40 ft. 41 Backfilled with 3/8 bentonite chips. 43 45 46 47 48 49 50 51 52 53 55 56 57 58 59

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Number	Length Recovered (IN	Blow Counts (N)	Depth in Feet	Soil/Rock Descri And Geologic Orig Each Major Ur	gin For	USCS	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	ROD/Comments
2	19	4, 4 4, 5 6, 7 8, 10	5 6 7 8 9	2" asphalt on 10" gravel so Silty CLAY, with trace fir sand, soft, dry, orange be SAND and GRAVEL, fine grained, medium dense, obrown to light brown	ne-grained prown to coarse	CL			0.8	15					
		5, 7	13	SAND, fine to coarse graing gravel, trace silty clay, medry to moist, orange brown	edium dense,	sw			0	17					

I hereby certify that the information on this form is true and correct to the best of my knowledge.

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10, 16

Signature Robert Parket Firm URS Corporation, Madison, WI

Form 4400-122A

7-91

B-3 Page _ 2_ of _ Boring Number Sample Soil Properties Blow Counts (N) ROD/Comments Well Diagram Depth in Feet Graphic Log Standard Penetration Soil/Rock Description Moisture Content Number PID/FID And Geologic Origin For Liquid Limit Plastic Limit P 200 **Each Major Unit** 16 18 SAND, fine to coarse grained, trace to SW 0.6 25 little gravel, dry to moist, tan to light 8, 11 4 19 brown 14, 16 20 21 22 23 SAND, fine to coarse grained, trace SW 0.6 18 gravel, medium dense, dry to moist, 6, 8 5 16 10, 11 light brown 26 27 28 SAND, fine to coarse grained, little SW 1.6 24 gravel, medium dense, moist, light 8, 10 brown 16 14, 15 6 32 Top 3": SAND, coarse grained, moist, light brown SAND, very fine to medium grained, 15, 19 SW 1.6 40 7 15 21, 29 trace gravel, dense, moist, light brown 36 37

State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A 7-91

Bori	ng Num	ber	B-3								P	age 3	of_	3
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Number	Length Recovered (IN)	Blow Counts (N)	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	nscs	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	ROD/Comments
8	17	7, 8 11, ?	38 39 40	SAND, very fine to medium grained, trace gravel, medium dense, moist, light brown	sw		!	1.4	19					
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State of Wisconsin	
Department of Natural Resources	

SOIL BODING LOG INFORMATION

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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm URS Corporation, Madison, WI State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

7-91

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Number	Length Recovered (IN)	Blow Counts (N)	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	nscs	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit		P 200	ROD/Comments
4	16	6, 7 8, 10	16 17 18 19 20 21 22	1" gravel seam ~19 ft followed by 3" very fine grained sand and 1" seam of coarse sand SAND, fine to coarse grained, medium dense, dry to moist, tan to light brown	sw			2.2	15					
5	16	5, 6 15, 14	23 24 25 26	SAND, fine to coarse grained, little gravel, medium dense, dry to moist, yellowish orange to light brown Some gravel	SW			2.2	21					
6	18	7, 10 10, 13	27 28 29 30 31 31 32	SAND, fine to coarse grained, little to some gravel, medium dense, dry to moist, yellowish orange to light brown	sw			2.8	20					
7	19	9, 12 14, 16	33	SAND, very fine to medium grained, trace gravel, medium dense, dry to moist, light brown	SW			2.0	26					

Form 4400-122A

7-91

Page 3 of 3 Boring Number Sample ROD/Comments Soil Properties Blow Counts (N) Well Diagram Depth in Feet Graphic Log **Soil/Rock Description** And Geologic Origin For Liquid Limit Plastic Limit P 200 **Each Major Unit** 38 SAND, very fine to medium grained, SW 0 24 trace gravel, medium dense, dry to 39 moist, light brown 4, 10 14, 16 8 20 End of boring at 40 ft. Backfilled with 3/8 bentonite chips. 42 43 45 46 48 49 50 51 52 53 55 57 58 59

State of Wisconsin Department of Natural Resources Route To:							□ _{Haz}	. Waste			SOIL	BORII orm 440		OG IN	IFOR	MATI	ON 7-91	l
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Library Nauta Firm URS Corporation, Madison, WI

Form 4400-122A

7-91

Boring Number Sample Soil Properties ROD/Comments Blow Counts (N) Well Diagram Depth in Feet Graphic Log Soil/Rock Description And Geologic Origin For Liquid Limit Plastic Limit P 200 **Each Major Unit** 16 18 SAND, fine to coarse grained, some SW 1.8 21 gravel, trace silt, medium dense, moist, 7, 10 11, 11 yellowish orange to light brown 4 22 23 SAND, fine to coarse grained, trace gravel, medium dense, moist, yellowish 1.2 23 5, 10 13, 12 orange 17 5 26 28 SAND, fine to coarse grained, trace SW gravel, medium dense, moist, yellowish 1.8 17 8,8 orange 6 21 9, 10 2" gravel seam, moist SAND, fine to coarse grained, trace 1.8 21 6, 10 11, 13 SW gravel, medium dense, moist, yellowish 7 17 orange 36 37

Form 4400-122A

7-91

B-5 Page 3 of 3 Boring Number Sample Soil Properties ROD/Comments Blow Counts (N) Well Diagram Depth in Feet Graphic Log Standard Penetration **Soil/Rock Description** Moisture Content Number PID/FID **And Geologic Origin For** Liquid Plastic Limit P 200 **Each Major Unit** 38 SAND, fine to coarse grained, little 2.0 25 SW gravel, medium dense, moist, yellowish 39 orange to light brown 10, 11 14, 16 8 17 40 End of boring at 40 ft. 41 Backfilled with 3/8 bentonite chips. 45 48 49 50 51 52 55 56 57 58 59

WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5P 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5P and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299. Wis. Stats., failure to file this form may result in a forteiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Mana	
(1) GENERAL INFORMATION	(2) FACILITY/ OWNER INFORMATION
WI Unique Well No. DNR Well ID No. County Rock	Facility Name NODIN SON CLEANERS
8-3, 8-4 8-5 Common Well Name Gov't Lot (If applicable)	Facility ID License/Permit/Monitoring No.
<u>NW</u> 1/4 of <u>SE</u> 1/4 of Sec. <u>30</u> ; T. <u>3</u> N; R. <u>13</u> ₩ E Grid Location	1011 0 = 1:110 = 0
£. ☐ N. ☐ S., £. ☐ E ☐ W.	City, Village or Town
Local Grid Origin (estimated:) or Well Location	Present Well Owner Original Owner
Lat. Long or	Street Address or Route of Owner
St. Planeft. Nft. E Zone Reason For Abandonment WI Unique Well No. Of Replacement Well	City, State, Zip Code
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 8-21-62	Pump & Piping Removed? Yes No No Applicable
	Liner(s) Removed? Yes No Not Applicable
Monitoring Well Water Well If a Well Construction Report	Screen Removed? Yes No Not Applicable
Borehole / Drillhole is available, please attach.	Casing Left in Place? Yes No TV
Construction Type:	Was Casing Cut Off Below Surface? Yes No
Drilled Driven (Sandpoint) Dug	Did Sealing Material Rise to Surface? Yes No Did Material Settle After 24 Hours? Yes No
Other (Specify)	Did Material Settle After 24 Hours? Yes No If Yes, Was Hole Retopped? Yes No
Formation Type:	Required Method of Placing Scaling Material
Unconsolidated Formation	Conductor Pipe Gravity Conductor Pipe Pumped
Total Well Depth (ft.) 40 Casing Diameter (in.)	Screened & Poured Other (Explain) (Bentonite Chips)
(From groundsurface) Casing Depth (ft.)	Sealing Materials For monitoring wells and
Lower Drillhole Dizmeter (in.)	Nest Cement Grout monitoring well boreholes only
Was Well Annular Space Grouted?	
If Yes, To What Depth? Feet	Clay-Sand Slurry (11 lb/gal. wt.) Bentonite - Cement Ground
Depth to Water (Feet)	Bentonite-Sand Slurry " " Bentonite - Cernent Global Bentonite - Cand Slurry Bentonite - Sand Slurry
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) Sacks Sealant One) Mix Ratio or Mud Weight
Bent Chips BL3	Surface 4/6 13
Bent Chips B#\$	40 <i>1</i> 3
Bent Chops BA 3	40 13
(6) Comments:	
(7) Name of Person or Firm Doing Sealing Work Date of Abando	nment
Badger State Drilling Co., Inc.	FOR DNR OR COUNTY USE ONLY
Signature of Person Doing Work Date Signed	Date Received Noted By
	Comments
Street of Koule Telephone Number 360 Business Park Cr. (608) 877-9770	
City, State, Zip Code Stoughton, WI 53589	

State of Wisconsin Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5P 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5P and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Manag	ement Remediation/Redevelopment Other
(1) GENERAL INFORMATION WI Unique Well No. DNR Well ID No. County	(2) FACILITY/OWNER INFORMATION Facility Name
Rock	RODINSON CLOPNED
Common Well Name B-2 Gov't Lot (If applicable)	Facility ID License/Permit/Monitoring No.
NW 1/4 of SE 1/4 of Sec. 30; T. 3 N; R 13 W E Grid Location	Street Address of Well Milio Avilae Wit
f. \[N. \] S., \[ft. \] E \[W.	City, Village, or Town Dance willo WI
Local Grid Origin (estimated:) or Well Location	Present Well Owner Spre
Lat Long or	Street Address of Route of Owner
St. Planeft. Nft. E. □□□ Zone	Milwaolla lut
Reason For Abandonment WI Unique Well No.	City, State, Zip Code
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 8-26-02	Pump & Piping Removed? Yes No No Applicable
	Liner(s) Removed? Yes No Not Applicable
Monitoring Well Water Well If a Well Construction Report	Screen Removed? Yes No (1) Not Applicable
Borehole / Drillhole Is available, please attach.	Casing Left in Place? Yes No
Construction Type:	Was Casing Cut Off Below Surface? Yes No
Drilled Driven (Sandpoint) Dug	Did Sealing Material Rise to Surface? Yes No
Other (Specify)	Did Material Settle After 24 Hours? Yes No If Yes, Was Hole Retopped? Yes No
Formation Type:	Required Method of Placing Sealing Material
Unconsolidated Formation	Conductor Pipe Gravity Conductor Pipe Pumped
Total Well Depth (ft.) 2 Casing Diameter (in.)	Screened & Pourcd Other (Explain)
(From groundsurface) Casing Depth (ft.)	(Bentonite Chips)
Lower Drillhole Diameter (in.)	Sealing Materials For monitoring wells and monitoring well boreholes only
· · · · · · · · · · · · · · · · · · ·	Sand-Cement (Concrete) Grout Bentonite Chips
Was Well Annular Space Grouted? Yes No Unknown	Concrete Granular Bentonite
If Yes, To What Depth? Feet	Clay-Sand Slurry (11 lb./gal. wt.) Rentonite - Cement Group
Depth to Water (Feet)	Hentonite-Sand Slurry " " Parasita Sand Slurry
(5) Material Used To Fill Well/Drillhole	Bentointe Chips Yards, (Circle Mix Ratio
	or Volume Oile) of Midd Weight
Bout-Chrs	Surface 4/U 9
(6) Comments:	
(7) Name of Person or Firm Doing Sealing Work Date of Abandon	
Badger State Drilling Co., Inc.	FOR DNR OR COUNTY USE ONLY Date Received Noted By
Signature of Person Doing Work Date Signed C-26-57	. (333 5)
Street or Route Telephone Number	Comments
360 Business Park Cr. (608) 877-9770	
City, State, Zip Code Stoughton, WI 53589	

State of Wisconsin Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5P 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5P and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally Identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Manage	
(1) GENERALINFORMATION	(2) FACILITY/OWNER INFORMATION
WI Unique Well No. DNR Well ID No. County	Facility Name
Common Well Name B-1 Gov't Lot (If applicable)	Facility ID License/Permit/Monitoring No.
NW 1/4 of SE 1/4 of Sec. 30; T. 3 N; R. 13 ⊠ E Grid Location □ W	Street Address of Well Woolla Dee
ft. □ N. □ S.,ft. □ E □ W.	City, Village, or Town SDNCSYILE W
Local Grid Origin (estimated:) or Well Location	Present Well Owner Original Owner
Lat. Long or	Street Address or Route of Owner
St. Planeft. Nft. E. □□□ Zone	Milwroller He
Reason For Abandonment WI Unique Well No.	City, State, Zin Code
END OF STUDY Of Replacement Well	JA NOVILL
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 8-23-02	Pump & Piping Removed? Yes No No Not Applicable
	Liner(s) Removed? Yes No Not Applicable
Monitoring Well If a Well Construction Report	Screen Removed? Yes No VNot Applicable
Water Well is available, please attach.	Casing Left in Place? Yes No
Borehole / Drillhole	Was Casing Cut Off Below Surface? Yes No
Construction Type:	
☑ Drilled ☐ Driven (Sandpoint) ☐ Dug	Did Scaling Material Rise to Surface? Yes No
Other (Specify)	Did Material Settle After 24 Hours? Yes No If Yes, Was Hole Retopped? Yes No
Formation Type:	Required Method of Placing Scaling Material
Unconsolidated Formation Bedrock	Conductor Pipe Gravity Conductor Pipe-Pumped
e l	Screened & Poured Other (Explain)
Total Well Depth (ft.) Casing Diameter (in.)	(Bentonite Chips)
(From groundsurface) Casing Depth (ft.)	Sealing Materials For monitoring wells and
Lower Drillhole Diameter (in.)	Nest Cement Grout monitoring well boreholes only
Lower Diviniole Districted (III.)	Sand-Cement (Concrete) Grout Bentonite Chips
Was Well Annular Space Grouted? Yes No Unknown	T Comments of the control of the con
	Clay-Sand Shirry (11 lb/gal, wt.)
If Yes, To What Depth? Feet	Bentonite-Sand Slurry " " Bentonite - Cement Ground
Depth to Water (Feet)	Bentonite Chips Bentonite - Sand Slurry
	Delitorité Chips
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) No. Yards, (Circle Mix Ratio or Mud Weight
200 Abox	Surface S5 38
TEXAS Chips	Surface 85 3
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(6) Comments:	
(7) Name of Person or Firm Doing Sealing Work Date of Abandon	
Badger State Drilling Co., Inc. 8-23-0	FOR DNR OR COUNTY USE ONLY Date Received Noted By
Signature of Person Doing Work Date Signed	
	Comments
Street or Route Telephone Number	Commens
360 Business Park Cr. (608) 877-9770	
City, State, Zip Code .	

	cility / Project Name cibinson Dry Cleaners – 1819 E. Milwauker oring Drilled By (Firm name and name of crew chief) Dave Cruise, Badger State Drilli IR Facility Well No. WI Unique Well No. Communication ate Plane N. WI 1/4 of SE 1/4 of Section 30 T 3 unty Rock									SOIL			og in	IFOR	MAT			
Бера	rumen	t of Natu	irai Kesou	rces Rou	rte To:		□ Haz	Wasta			F	orm 440	0-122				7-91	l
					Solid Waste		Und			nks								
					Wastewater		□ Wat	-										
					Emergency Re	esponse	☐ Oth	er						P	age <u>1</u>	of	5_	
Facil	ty / Pr	oiect Na	me				Lice	ense/Pe	mit/N	/onitori	ing Numb	ег	Te	oring N	umber			
				s – 1819 E. Milw	aukee St.,	Janesville	_			. —			- . ∫.			M۱	W-1	
Borin	g Drill	ed By (F	im name	and name of crew of	:hief)		Date	Drilling	Starte	ed	Date	Drilling	Comple	ted	Drill	ing Met	hod	
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i here	by cer	tify that	the inform	nation on this form is	true and corre	ct to the hest	of my kn	owledge										

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$4,000 for each violation. Fines not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats

Firm

URS Corporation, Madison, WI

Signature

State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A 7-91

Depa	artment	of Natu	ral Resour		Form	4400	-1224	`						7-91	
	ng Num	ber	MW-	<u>1</u>				r	,				of	5	_
Samp	ole	ŝ	i i				_	ļ	<u></u>	Soil Pr	opertie	s		ants	
	Length Recovered (IN)	Blow Counts (N)	Depth in Feet	Soil/Rock Description		Graphic Log	Well Diagram		Standard Penetration	يد و				ROD/Comments	
Number	th vere	ö ≥	th in	And Geologic Origin For	nscs	aphic	ă	PID/FID	Indar	Moisture Content	Liquid Limit	Plastic Limit	P 200) <u>0</u>	
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			18	SAND and GRAVEL, fine to coarse											
ī				grained sand, some gravel, medium											
		7, 11	- 19	dense, moist, light brown ~19.5 ft, SAND, fine to medium grained,	sw			7.0	23						
2	16	12, 13		trace gravel, medium dense, moist, tan				4.4						 	
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			28	SAND, fine to coarse grained, with				ļ							
			E	some gravel, dense, moist, light brown ~28.5 ft, 3" seam of very fine to coarse								1]	
		10, 19	29	grained sand, trace gravel, moist, light	sw			6.4	40					1	
3	17	21, 20	30	brown SAND, fine to coarse grained, with	ĺ										
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SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

7-91

MW-1 Page 3 of 5 Boring Number Sample ROD/Comments Soil Properties Blow Counts (N) Length Recovered (IN) Well Diagram Depth in Feet Graphic Log Standard Penetration Soil/Rock Description Moisture Content PID/FID Liquid Limit Plastic Limit 'And Geologic Origin For P 200 **Each Major Unit** 38 SAND, fine to coarse grained, trace 39 SW 5.6 23 gravel, medium dense, moist, light 8, 10 13, 12 4 18 Top 8"; SAND, fine to coarse grained, trace gravel, medium dense, moist, light SW 6.6 31 9, 15 16, 24 SAND, very fine to medium grained, 8.0 5 18 trace gravel, dense, moist, tan to light 50 brown 51 52 53 55 58

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Dep	of Natu	ral Resour	Form	4400	-122A	<u> </u>						7-91		
Bori	ng Num	ber	MW-	<u>1 </u>							P.	_{age} _4	of	5
Sam		2		·-	1					Soil Pr	opertie	s		ants
œ	Length Recovered (IN	Blow Counts (N)	Depth in Feet	Soil/Rock Description		Graphic Log	Well Diagram	Đ:	Standard Penetration	ture ent	p	ic	C	ROD/Comments
Number	Length Recov	Blow	Depth	And Geologic Origin For Each Major Unit	nscs	Grap	Well	PID/FID	Stand	Moisture Content	Liquid Limit	Plastic Limit	P 200	ROD
6	19	9, 11 17, 18	60	SAND, fine to medium grained, trace gravel, medium dense, moist, light brown	sw			8.6	28					
7	18	12, 15 22, 21	61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	Top 6": SAND, fine to coarse grained, some gravel, medium dense, moist, brown 4": SAND, fine to medium grained, moist, tan SAND, fine to coarse grained, trace gravel, moist, dense, light brown	SW			8.0	37					
8	21	5, 30 29, 28	78 - 79 - 80 - 81	Top 11": SAND, fine to medium grained, trace gravel, very dense, moist, light brown 1" sandstone fragments SAND, fine to coarse grained, little gravel, very dense, moist, light brown	sw			5.2 8.2	59					

SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A 7-91 7-91

		MW-		Form	4400	-122A	\			_	5		7-91 5
Boring Nur Sample	T	10100-		Υ	Ι		1	Γ	Soil Pr			of_	
Number Length Recovered (IN	Blow Counts (N)	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	nscs	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content		Plastic Limit	P 200	ROD/Comments
			SAND, fine to coarse grained (from drill cuttings) End of boring at 90 ft. Set MW-1 bottom at 89 ft. 10 inch screen, Sch. 40 PVC	SW									Suspected water level ~ 84.5 ft.

	olid Waste□ Haz. Waste □ se & Repair□ Underground	- Wasterrater -	MONITORIN Form 4400-1	NG WELL CONSTRUCTION 13A Rev. 4-90
Facility/Project Name	Local Grid Location of Well		Well Name	
Robinson's Dry Cleaners	ft. 🗖 N.	ft. 🗖 E.	1	MW-1
1819 E. Milwaukee St., Janesville, WI	□ S.	□ W.	:: Wis: Unique Well: Number	
Facility License, Permit or Monitoring Number	Grid Origin Location	Long		DNK Well Number
Type of Well Water Table Observation Well ■ 11	Lat 1	ft. N, ft. I	Date Well Installed	
Piezometer 12			<u>0</u>	$\frac{8}{m} / \frac{2}{d} \frac{6}{d} / \frac{0}{y} \frac{2}{y}$
Distance Well Is From Waste/Source Boundary	Section Location of Waste/S	ource E E		
	<u>NW1/4 of SE 1/4 of Sec. 30</u>	, T. <u>3</u> N, R. <u>13</u> 🗆 W	Dave Cruise	
Is Well A Point of Enforcement Std. Application?	Location of Well Relative to			
	u Upgradient d Downgradient	s 🗖 Sidegradient n 🗖 Not Known	Badger State Drillin	ıg
A. Protective pipe, top elevation ft.		1. Cap ar	nd lock?	■Yes □ No
B. Well casing, top elevation ft.			ive cover pipe:	0.0.
	MSL	a. Inst	de diameter: egth:	$\frac{9}{1} \cdot \frac{0}{0} \text{ in.}$
D. Surface seal, bottom ft MSL or	::: XXXII	c. Mat	erial:	Steel 📕 0 4
		d. Add	Flush Mount litional protection?	Other D 🗵 🗵
12. USCS classification of soil near screen: GP □ GM □ GC □ GW □ SW ■ SP	-		es, describe:	
SM□ SC□ ML□ MH□ CL□ CH		3. Surfac	e seal:	Bentonite□ 3 0
Bedrock□	1 8	N \		Concrete 1 0 1 Other 1
13. Sieve analysis attached? ☐ Yes ■ N	· 🖁	4. Mater	ial between well casing and prot	ective pipe:
14. Drilling method used: Rotary □ 5	。	K)		Bentonite □ 3 0 Annular Space Seal □ ∴∴
Hollow Stem Auger ■ 4	1	<u> </u>	Coarse sand	Other M 🔆
Other 🛚 🖰	<u> </u>	ß		
15. Drilling fluid used: Water □ 0 2 Air □ 0		5. Ar	nular space seal: a.	Granular Bentonite 3 3
Drilling Mud □ 0 3 None ■ 9	9 8	Ы 6.	Lbs/gal mud weight B	entonite-sand slurry □ 3 5
16. Drilling additives used? ☐ Yes ■ N	。 🕺	[] i-	Lbs/gal mud weight Berntonite Ber	Bentonite slurry \(\) 3 1
Davida.		6	Ft³ volume added for a	any of the above
Describe:	— I 🖁	f. Ho	w installed:	Tremie □ 0 1 Tremie pumped □ 0 2
17. Source of water (attached analysis):		N N		Gravity 0 8
	1 8	6. Benton	nite seal: a.	. Bentonite granules 2 3 3
		E 1 /	☐ 1/4 in. ■ 3/8 in. ☐ 1/2 in.	
E. Bentonite seal, top ft MSL or	2.0 ft \		_	Other 🗆 🔀
F. Fine sand, top ft MSL or _7	6 0 #	7. Fine s. a. b. Vo	and material: Manufacturer, pro Ohio 40/60	duct name & mesh size
		b. Vo	lume added 50lb	
G. Filter pack, topft MSL or7_	7.0 ft	8. Filter	pack material: Manufacturer, pr Ohio #5	roduct name & mesh size
H. Screen joint, top ft MSL or	9. <u>0</u> ft	b. √o		lb
I. Well bottom ft MSL or 8	9.0 ft	9. Well o		ed PVC schedule 40 2 3 ed PVC schedule 80 2 4
J. Filter pack, bottom ft MSL or	9. <u>0</u> ft	<u></u>		Other 🗖 🗵
K. Borehole, bottom ft MSL or _8		[97]	n material: Schedule 4 reen type:	40 PVC
	²· <u>□</u> "		·	Continuous slot □ 0 1
L. Borehole, diameter 8.3 in.			anufacturer Monoflex	Other 🗆 💢
M. O.D. well casing $\underline{2} \cdot \underline{3} \cdot \underline{8}$ in.			ot size otted length:	0. <u>0 1 0</u> in <u>1 0.0</u> ft
N. I.D. well casing $\underline{2} \cdot \underline{0} \cdot \underline{5}$ in.		11. Back	fill material (below filler pack):	
				Other 🗆 🖂
I hereby certify that the information on this	form is true and correct	to the best of my kno	wledge.	
Signature Columbia	Firm URS Co	rporation, Madiso	n, WI	

Please complete both sides of his form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: shaded areas are for DNR use only. See instruction for more information including where the completed form should be sent.

MONITORING WELL DEVELOPMENT

Form 4400-113B Route to: Watershed/Wastewater Waste Management [__] Remediation/Redevelopment Other Facility/Project Name County Name Well Name MW-1 Robinson Cleaners DNR Well ID Number Wis. Unique Well Number Facility License, Permit or Monitoring Number County Code ☐ Ycs No No Before Development After Development 1. Can this well be purged dry? 11. Depth to Water 2 82.60ft. 82.60ft. . (from top of 2. Well development method well casing) surged with bailer and bailed 41 surged with bailer and pumped Ø 61 b. 08/29/02 08/29/02 mm d d y y y y surged with block and bailed 42 Date surged with block and pumped 62 surged with block, bailed and pumped 70 c. 3:00 pm. 4:30 mm. compressed air Time 20 bailed only 10 _Q.Qinches _Q.Qinches pumped only 5 1 12. Sediment in well bottom pumped slowly Clear 🗀 10 13. Water clarity . Clear 🕱 20 Other ____ Turbid 🔯 15 Turbid□ 25 (Describe) 3. Time spent developing well (Describe) clear 4. Depth of well (from top of well casising) Brown \mathcal{A} 067 in. 5. Inside diameter of well 6. Volume of water in filter pack and well casing Fill in if drilling fluids were used and well is at solid waste facility: 84 Ogal 7. Volume of water removed from well 14. Total suspended ____ mg/l ___ mg/l 8. Volume of water added (if any) solids 15. COD 9. Source of water added ____ mg/l ____ mg/l 16. Well developed by: Name (first, last) and Firm 10. Analysis performed on water added? ☐ Yes Ma No First Name: Last Name: (If yes, attach results) Firm: BADGER STATE DEILLING 17. Additional comments on development: Tame and Address of Facility Contact/Owner/Responsible Party I hereby certify that the above information is true and correct to the best First Last of my knowledge. Hame: Name:

Signature: Hacility/Firm: KOSERT Print Name: Ilreet: City/State/Zip: Firm:

NOTE: See instructions for more information including a list of county codes and well type codes.

Department of Natural Resources County Project Name County Name County			consin	ral Bassi	17000							SOIL			OG IN	IFOR	MATI		
Grant Variety Grant Research Grant	Deha	ii u i i e i i i	Of Natu	Hai Nesot	nces	Route To:		□ наз	. Waste			F	orm 440	0-122				7-91	
Water Resources Cher Page 1 of 5						Solid Waste	•				nks								
Facility Project Name Robinson Dry Cleaners - 1819 E. Milwaukee St., Janesville Data Drilling Started Data Drilling Completed Data Drilling Completed Data Drilling Completed Data Drilling Completed Data Drilling Completed Data Drilling Completed Data Drilling Completed Data Drilling Completed Data Drilling Completed Data Drilling Completed Data Drilling Completed Data Drilling Completed Data Drilling Completed Data Drilling Completed Data Drilling Completed Data Drilling Method Data Drilling Completed Data Drilling Completed Data Drilling Completed Data Drilling Completed Data Drilling Method Data Drilling Completed Data Drilling Co						□ Wastewate	г		-										
Robinson Dry Cleaners — 1819 E. Milwaukes St., Jamesville Date Drilling Started OR 1-92, 1-92 MM / DD / DV MM						Emergency	Response	☐ Oth	er						P	_{age} _ 1	of _	5	
Robinson Dry Cleaners — 1819 E. Milwaukes St., Jamesville Date Drilling Started OR 1-92, 1-92 MM / DD / DV MM	Facil	ty / Pro	ject Na	me			•	Lic	ense/Pe	ermit/N	/onitor	ing Numb	er	E	oring N	umber			
Dave Cruise, Badger State Drilling All							., Janesville				. —								
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DNR Facility Wild No.		1	Dave	Cruise	, Badger Sta	ate Drilling										4	1/4"	ID HSA	
Solid Soli	DND	Facility	VA/GILA	io IV	/I Unique Well M	Common	Well Name								11	Bore	ebole D	iameter	
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Soli/Rock Description Soli			of SI	1/4 of S	Section 30	T 3 N				_				et 🗖	s		Fe	et 🗆 W	
Sample Jagung William Park Soil/Rock Description And Geologic Origin For Each Major Unit Soil/Rock Description And Geologic Origin For Each Major Unit CL Grass and topsoil (From cuttings) Silty CLAY SAND, fine to coarse grained, some gravel, medium dense to dense, dry to moist, light brown SW Soil Properties Soil Proper	Coun		1-				DNR Cour	nty Code		Civil T		-	-						
Soil/Rock Description And Geologic Origin For Each Major Unit 1 16 17, 21 16 17, 21 17 17 17 17 17 17 17			OCK				5	4				city of	Janes	ville					
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1 16 (From cuttings) Silty CLAY SAND, fine to coarse grained, some gravel, medium dense to dense, dry to moist, light brown SW 8.4 30		2 %	<u> </u>	ă	ļ							<u> </u>	, L	120			<u> </u>	α	
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This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$4,000 for each violation. Fines not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats

Firm

URS Corporation, Madison, WI

Signature

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

7.01

MW-2 Page 2 of 5 Boring Number Sample Soil Properties ROD/Comments Blow Counts (N) Length Recovered (IN) Well Diagram Graphic Log Depth in Feet Standard Penetration Soil/Rock Description Moisture Content PID/FID Plastic Limit Liquid Limit And Geologic Origin For P 200 **Each Major Unit** 16 SAND, fine to coarse grained sand, 19 SW 13.6 23 trace to little gravel, medium dense, dry 6, 10 to moist, light brown 2 18 13, 15 21 25 26 ~28.5 ft: SAND, fine to coarse grained, little gravel, medium dense, moist, light brown 19.2 23 ~30 ft: 3" seam of sand and gravel SW 11, 12 ~30.25 ft, SAND, fine to medium 3 19 11, 11 grained, trace gravel, medium dense, moist, tan to light brown 32

State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

MW-2 3 of 5 **Boring Number** Sample Soil Properties ROD/Comments Blow Counts (N) Well Diagram Length Recovered (IN) Depth in Feet Graphic Log Standard Penetration Soil/Rock Description Moisture Content PID/FID Number And Geologic Origin For Liquid Limit Plastic Limit P 200 nscs **Each Major Unit** 38 SAND, very fine to medium grained, 39 SW 14.6 24 trace gravel, medium dense, moist, tan 8, 10 to light brown 20 4 12, 12 🎉 40 46 49 SW 30 35 SAND, fine to coarse grained, little 15, 17 gravel, dense, moist, light brown 5 18 18, 11 51 52 55 56 58 59

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

7-91

MW-2 5 Page **Boring Number** Sample Soil Properties ROD/Comments Blow Counts (N) Well Diagram Length Recovered (IN) Graphic Log Depth in Feet Standard Penetration Soil/Rock Description PID/FID Number Plastic Limit And Geologic Origin For Liquid P 200 uscs **Each Major Unit** SAND, fine to coarse grained, trace to 10, 13 little gravel, medium dense, moist, light 29 6 8.4 21 16, 18 60 brown SW ~59.5 ft: SAND, fine to medium grained, trace gravel, medium dense, moist, tan 61 to light brown 62 63 66 68 SAND, fine to coarse grained, trace 69 22 34 15, 14 20, 23 SW gravel, dense, moist, light brown 7 17 72 SAND, fine to medium grained, trace gravel, dense, moist, tan to light brown 79 SW ~79.75 ft: SAND, fine to coarse grained, 22, 21 21, 20 16.6 42 8 23 trace gravel, dense, moist, light brown 80

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

7-01

MW-2 5 Page 5 of Boring Number Sample Soil Properties ROD/Comments Blow Counts (N) Length Recovered (IN) Well Diagram Depth in Feet Graphic Log Soil/Rock Description Moisture Content PID/FID Plastic Limit Liquid Limit And Geologic Origin For P 200 **Each Major Unit** 82 SW 85 86 87 ~5 ft of 88 SAND, fine to coarse grained (from drill water on cuttings) drill rod 89 90 End of boring at 90 ft. Set MW-2 bottom at 90 ft. 10 inch screen, Sch. 40 PVC Wis. Well ID: PE918 92 93 95 98 100 101 102 103

	olid Waste□ Haz. Waste □ se & Repair □ Underground T		MONITORING WE Form 4400-113A	LL CONSTRUCTION Rev. 4-90
Facility/Project Name	Local Grid Location of Well		Well Name	
Robinson's Dry Cleaners 1819 E. Milwaukee St., Janesville, WI	ft. DN.	ft. □ E. □ W.	MW-	-2
Facility License, Permit or Monitoring Number	☐ S. Grid Origin Location		Wis: Unique Well Number PE 918	DNR Well Number
Type of Well Water Table Observation Well ■11	Lat I. St. Plane ft.	ong A F	Date Well Installed	
Piezometer 12	St. Planeit.	N, IL L.	0 8 /	$\frac{2}{d} \frac{8}{d} / \frac{0}{y} \frac{2}{y}$
Distance Well Is From Waste/Source Boundary	C. Aires I Aires GW-44/C-4	rce E E	Well Installed By: (Person's Name a	
2.5	Section Location of Waste/Sou NW1/4 of SE 1/4 of Sec. 30,		Dave Cruise	
Is Well A Point of Enforcement Std. Application?	Location of Well Relative to V			
□ Yes □ No	u Dupgradient d Downgradient	s 🔲 Sidegradient n 🗖 Not Known	Badger State Drilling	
A. Protective pipe, top elevation ft		1. Can and	l lock?	■ Yes □ No
B. Well casing, top elevation fit			ve cover pipe:	
	MSL	a. Insid b. Leng	e diameter: th:	$-\frac{4}{6} \cdot \frac{0}{0}$ in.
	10 (A) (A) (A) (A) (A) (A) (A) (A) (A) (A)	c. Mate	rial:	Steel 0 4
D. Surface seal, bottomft MSL or	<u> </u>	A Addi	Stick-up tional protection?	Other D 222
12. USCS classification of soil near screen: GP □ GM □ GC □ GW □ SW ■ SI		If ye	s, describe:	
SM C SC ML MH CL C		3. Surface	seal:	Bentonite □ 3 0 Concrete ■ 0 1
Bedrock □	1 8			Other 🗆 😕
13. Sieve analysis attached? Yes	4o 8	4. Materia	l between well casing and protective p	
14. Drilling method used: Rotary	:0 👸	N N	Annula	Bentonite□ 3 0 ar Space Seal□ :::
Hollow Stem Auger		ß	Coarse sand	Other 🔳 🗵 🗵
Other 🗖		S)		
15. Drilling fluid used: Water 0 0 2 Air 0	1	5. And	nular space seal: a. Granul Lbs/gal mud weight Bentonite	ar Bentonite 🗏 3 3
Drilling Mud	99	b	_ Lbs/gal mud weight Bentonite _ Lbs/gal mud weight Ber	e-sand slurry \(\Bar{\cup} \) 3 5
16. Drilling additives used?	No 🖁	[≷] d	% Bentonite Bentonite-	cement grout 🔲 5 0
Describe:) 👸	K) e	Ft ³ volume added for any of the installed:	he above Tremie □ 0 1
				emie pumped 🔲 0 2
17. Source of water (attached analysis):	5 0 1 1 20 1 9 9 No	Ŋ.		Gravity■ 0 8
				onite granules 3 3
L			1/4 in. ■ 3/8 in. □ 1/2 in. Ben 1500 lb	
E. Bentonite seal, top ft MSL or	<u>2</u> .0 ft ✓	7. Fine sar	nd material: Manufacturer, product na	me & mesh size
F. Fine sand, top ft MSL or _	2.0 ft 77.0 ft	a	Ohio 40/60 ume added 50 Ib	2630
G. Filter pack, top ft MSL or	\ 151	KY /	ack material: Manufacturer, product r	name & mesh size
H. Screen joint, top ft MSL or _8	0.00	1.1/ / a	Ohio #5 ume added 250 lb	<u> </u>
		9. Well ca		C schedule 40 ■ 2 3
I. Well bottom ft MSL or 9	<u>0.0 ft</u>			Schedule 80 □ 2 4
J. Filter pack, bottom ft MSL or	0.0 ft	10. Screen	material Schedule 40 PVC	Other 🗆 📉
K. Borehole, bottom ft MSL or _9	0.0ft	1*7	een type:	Factory cut 1 1
L. Borehole, diameter 8.3 in.				Other 🗆 🔀
M. O.D. well casing 2.38 in.	V Z	c. Slo		0. <u>0</u> 10 in.
N. I.D. well casing <u>2</u> . <u>0</u> <u>5</u> in.			tted length: fill material (below filler pack):	_1_0_0 ft. None ■ 1 4
	·	11. Backi	in material (octow tiner pack).	Other 🗖 🖂 🖂
I hereby certify that the information on this	form is true and correct t	o the best of my know	wledge.	
Signature // / / / /	Firm LIRS Cor	noration Madisor	WI	

Please complete both rides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: shaded areas are for DNR use only. See instruction for more information including where the completed form should be sent.

URS Corporation, Madison, WI

State of Wisconsin Department of Natural Resources

MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

Route to: Watershed/Wastew	ater [Waste Mana	gement			
Remediation/Rede	velopment [Other 🔲 _				
Facility/Project Name	County Name			Well Name		
Robinson Cleaners	•	Ro	c.k		MI	U-2 II ID Number
Facility License, Permit or Monitoring Number	County Code	Wis. Unique	Well No	mber 918_	DNR We	II ID Number
1. Can this well be purged dry?	H 110	11. Depth to	Water			After Development
2. Well development method surged with bailer and bailed	1 2 2 0 0 0 0 1 0 0	(from top well casin Date Time 12. Sediment bottom 13. Water clas	g) in well	b. <u>08</u> / <u>2</u> m m d d	2/ C. 2 1 y y) 2 m. 2 p.m. Qinches	
5. Inside diameter of well2.01	6. 7 in.					
6. Volume of water in filter pack and well casing		Fill in if drilli	ng fluid	's were used a	nd well is a	at solid waste facility:
7. Volume of water removed from well		14. Total susj	pended		mg/l	mg/l
9. Source of water added		15. COD			mg/l	mg/l
10. Analysis performed on water added? Yes (If yes, attach results)	⊠ No	16. Well deve First Name: Firm: BA	•	y: Neme (first, l	Last Nam	e:
17. Additional comments on development:						
Name and Address of Facility Contact/Owner/Responsible First Last -Vame: Name:	Party	I hereby cer of my know		t the above in	formation i	is true and correct to the best
Facility/Firm;		Signature:	lot	Jau	ta	
=treet:		Print Name:_	Ros	ERT N	quta	
City/State/Zip:		Firm:	UR.	5		

NOTE: See instructions for more information including a list of county codes and well type codes.

State o Depart			ıral Resou	Rou	ute To: Solid Waste		☐ Haz.				SOIL I	BORII orm 4400		OG IN	IFORI	MATI	ON 7-91
					Wastewater		□ wat	er Resc							4		4
Facility	// Pro	iect Na	me	D	Emergency R	esponse	☐ Othe		rmit/N	/onitori	ng Numb	er		Pa oring N	age 1 umber		
Robir	nson	Dry (Cleaners	s – 1819 E. Milw		Janesville											V-2D
Bonng				and name of crew	•		- 1	Drilling					Comple 28 /		1	ing Metl	
- Sup F				Badger State Unique Well No.	Common We	ll Name	M M	D Static V	D ·	YY		M ce Eleva	28 /	ΥΥ		hole Di	D HSA
DNR F	асипу 	Well		TOTIQUE WEILTO.		1W-2D	Filial		eet M		Sulla	Ce Lieva	_ Feet N	ISL		8.3	_inches
Boring State F		ion _		N	ES	/C/N	La	ıt —		_	Loca	Grid Lo	cation (f Applic	able)		ΠE
	_	f SE	1/4 of 9	Section 30	3 _{N, F}		Lon		_		<u></u>	Fe		s		Fee	
County		ock				DNR Cour	nty Code 4	- '	Civil T		ity or V	-	ville				
Sample						<u> </u>]				operties			र्
Number	Recovered (N)	Blow Counts (N)	Depth in Feet	And Geo	ck Descri logic Orig	gin For	j	nscs	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	ROD/Comments
Z	S S	Blo	Dep	Eacl	h Major U	nit ———		Si .	Ö	×	<u> </u>	# & &	žŏ	<u>څ</u> څ	ざら	à	8
			2 1 2 1 3 1 4 1 5 1 6 1 7 1 8 1 9 1 10 1 11 1 12 1 13	See log for MV Blind drilled M depth of 110 fl bgs.	W-2D to co		.5 ft										

I hereby certify that the Information on this form is true and correct to the best of my knowledge.

Signature Firm URS Corporation, Madison, WI

This form is authorized by chaptes 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$4,000 for each violation. Fines not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats

State of Wisconsin Route to: S Department of Natural Resources Env. Respon	olid Waste ☐ Haz. Waste ☐ underground Ta	Wastewater ☐ Other ☐	MO For	NITORING WELL CONSTRUCTION n 4400-113A Rev. 4-90
Facility/Project Name	Local Grid Location of Well		Well Name	
Robinson's Dry Cleaners 1819 E. Milwaukee St., Janesville, WI	ft. 🗆 N	ft. 🛛 E.	, von ramo	MW-2D
Facility License, Permit or Monitoring Number	Grid Origin Location		Wis Unique Well	Number DNR Well Number
Type of Well Water Table Observation Well	Lat. Lat. St. Plane ft. 1	ong ft. E.	Date Well Installed	
Piezometer ■12				$\frac{0}{m} \frac{8}{m} / \frac{2}{d} \frac{8}{d} / \frac{0}{y} \frac{2}{y}$
Distance Well Is From Waste/Source Boundary	Section Location of Waste/Sour <u>NW</u> 1/4 of <u>SE</u> 1/4 of Sec. 30,		Well Installed By: (Dave Cruise	Person's Name and Firm)
Is Well A Point of Enforcement Std. Application? Yes No	Location of Well Relative to W u D Upgradient d Downgradient		Badger State	Drilling
A. Protective pipe, top elevation ft.		1. Cap and	lock?	■Yes □ No
B. Well casing, top elevation ft.		2. Protectiv	ve cover pipe: e diameter:	4 0 :
	. MSL	a. hiside b. Lengt		$-\frac{4}{6} \cdot \frac{0}{0} \text{ in.}$
D. Surface seal, bottom ft MSL or	2.0 ft	c. Mater	ial:	Steel ■ 0 4 Other □ ※※
12. USCS classification of soil near screen: GP □ GM □ GC □ GW □ SW ■ SI			tional protection?	□ Yes □ No
SM SC ML MH CL CI Bedrock		3. Surface		Bentonite□ 3 0 Concrete ■ 0 1
13. Sieve analysis attached? ☐ Yes ☐	L [3	A Mataria	l between well casing	Other 🗆 🗵 🗵
		4. Materia	l Detween wen casing	Bentonite□ 3 0
14. Drilling method used: Rotary 15. Hollow Stem Auger 16.		N	Coarse sand	Annular Space Seal ☐ ※※ Other ■ ※※
Other 🗆	<u>**</u>			
15. Drilling fluid used: Water □ 0 2 Air □		5. Ann	ular space seal:	a. Granular Bentonite 📕 3 3
Drilling Mud □ 0 3 None ■	99 8	b	_Lbs/gal mud weight	Bentonite-sand slurry 3 5 Bentonite slurry 3 1
16. Drilling additives used?	No 8	i	_% Bentonite	Bentonite-cement grout 5 0
Describe:		e	Ft³ volume ac installed:	lded for any of the above Tremie □ 0 1
17. Source of water (attached analysis):		Na management		Tremie pumped 0 2
17. Source of water (attached analysis).	1 8			Gravity ■ 0 8
	<u> </u>	6. Bentoni	1/4 in. 3/8 in.	a. Bentonite granules □ 3 3 □ 1/2 in. Bentonite pellets □ 3 2
	4.50	c. <u>Be</u>	ntonite slurry (~3/4 o uaGel and ~15 gal of	f 50lb bag of Other 3:1
E. Bentonite seal, top ft MSL or	-4.2 m	7. Fine sar	id material: Manufac Ohio 40/60	turer, product name & mesh size
F. Fine sand, top ft MSL or	24.5 ft 29.5 ft	a. b. Volu	me added 50	lb
G. Filter pack, top ft MSL or _1	<u>00. 5</u> ft	7. Fine sar a. b. Volu 8. Filter pa	ack material: Manufa Ohio #5	cturer, product name & mesh size
H. Screen joint, top ft MSL or 10	0.25ft	b. Volu	ime added 250	lb
I. Well bottom ft MSL or 1	07.5 ft	9. Well car		sh threaded PVC schedule 40 2 3 sh threaded PVC schedule 80 2 4
J. Filter pack, bottom ft MSL or 1	<u>07.5</u> ft			Other D SE
K. Borehole, bottom ft MSL or _1	07.5 ft	10. Screen a. Scre	material:	Factory cut 📕 1 1
L. Borehole, diameter8 . 3_ in.		N b Mai	nufacturer M	Continuous slot 0 1 Other 0 🔆
M. O.D. well casing $\frac{2}{3} \cdot \frac{3}{8}$ in.	423	c. Slot	101000101	0. <u>0 1 0</u> in. <u>0 5 0 ft.</u>
N. I.D. well casing $\underline{1} \cdot \underline{9} \cdot \underline{4}$ in.		_	ill material (below fil	ler pack): None 1 4
I hereby certify that the information on this	form is true and correct to	the best of my know	vledge.	Other 🗆 📉

Signature Firm URS Corporation, Madison, WI

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: shaded areas are for DNR use only. See instruction for more information including where the completed form should be sent.

State of Wisconsin

MONITORING WELL DEVELOPMENT

Department of Natural Resources Form 4400-113B Rev. 7-98 Route to: Watershed/Wastewater Waste Management Remediation/Redevelopment [Other . Well Name Facility/Project Name County Name Kopinson Cleuners Facility License, Permit or Monitoring Number County Code Well Number PE 919 ☐ Yes No. Before Development After Development 1. Can this well be purged dry? 11. Depth to Water a 85.90ft. 85.90 ft. (from top of 2. Well development method well casing) surged with bailer and bailed 41 surged with bailer and pumped 61 × b. 08 1 29 1 02 08 1 29 1 03 mm d d y y y sunged with block and bailed Date \Box 42 surged with block and pumped 62 surged with block, bailed and pumped 70 c. 11: 45 pm. 2:45 pm. compressed air Time . \Box 2.0 bailed only 1.0 _ O Oinches _ O O inches 12. Sediment in well pumped only 5 1 bottom pumped slowly Other ___ 13. Water clarity Clear 🔲 10 Clear X 20 Turbid 🔯 15 Turbid □ 25 3. Time spent developing well 180 min. (Describe) (Describe) clear Brown 4. Depth of well (from top of well casisng) / 939 in. 5. Inside dismeter of well 6. Volume of water in filter back and well casing Fill in if drilling fluids were used and well is at solid waste facility: 180 0 gal. 7. Volume of water removed from well 14. Total suspended ____ mg/l S. Volume of water added (if any) solids 15. COD _____mg/l 9. Source of water added 16. Well developed by: Name (first, last) and Firm 10. Analysis performed on water added? ☐ Yes K No First Name: (If yes, attach results) Firm: BADGER STATE DRILLING 17. Additional comments on development: Name and Address of Facility Contact/Owner/Responsible Party I hereby certify that the above information is true and correct to the best First Last of my knowledge. Vame: _ Name: __ Facility/Firm: Print Name: ROBERT NAUTA Etreet: Firm: City/State/Zip:

NOTE: See instructions for more information including a list of county codes and well type codes.

		consin	ural Resou	ırces							SOIL			og in	FORI	ITAN	
					Route To:	!	□ _{Haz}	. Waste	•		F	orm 440	0-122				7-91
					☐ Solid Waste			ergroui		nks							
					☐ Wastewater		□ Wat								4		_
					☐ Emergency R	esponse	☐ Othe								age1	of	<u> </u>
		ject Na Drv (s – 1819 E. J	Milwaukee St.,	Janesville	Lice	ense/Pe	ermit/N	/lonitori	ing Numb	er 	_	oring N	umber	M۷	V-3
				e and name of o			Date	Drilling	Starte	ed	Date	Drilling	Comple	ted	Drilli	ng Met	hod
	[Dave	Cruise	, Badger S	tate Drilling		_08 M M	_ /_2	7 /	02. YY	1 -	08_ /-	27 /	02 Y Y	4	1/4" I	D HSA
DNR	Facility	/Well h	Vo. V	/I Unique Well N	lo. Common W	ell Name		Static \			_	ce Eleva			Bore	hole Di	ameter
7		· ——	A	<u></u>		MW-3	<u> </u>	!	eet M	ISL			Feet I			8.3	_ inches
	g Loca Plane			N	ES	S/C/N	La	ıt —		_	Loca	I Grid Lo	cation (If Applic N	able)		□ E
NV	<u>V</u> 1/4 c	of SE	1/4 of \$	Section 30	T3N, F	R 13 E	Lon	9 —	_	_	1	Fe		S		Fee	
Coun	-	! -				DNR County	y Code		Civil T		City / or V						
		ock				5	_4_		 _	(City of	Janes ·	ville				·
Samp		Z						,		_			Soil Pr	operties	;		unts
5	II) pe	l ats	Feet	Soil	/Rock Descri	iption			lg.	agrar		p ig		ľ			mme
Number	Length Recovered (IN	Blow Counts (N)	Depth in Feet		Seologic Ori			nscs	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	ROD/Comments
	Re.	욻	å	<u> </u>	ach Major U	nit		3	Ö	×	ā	13 g	žŏ	žž	ā 5	۵	RC
		}	F	2" asphalt	on 10" gravel s	ubbase					Ì	ĺ		[1
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		9, 11	9	1" seam of	f coarse SAND			ł			1	}	1	}			
1	19	13, 14	10	Bottom 5":	SAND, fine to ace gravel, me	coarse		sw			3.6	24		1			
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Lauta Firm URS Corporation, Madison, WI

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$4,000 for each violation. Fines not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats

State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

MW-3 Page 2 of Boring Number Sample Soil Properties ROD/Comments Blow Counts (N) Length Recovered (N) Well Diagram Depth in Feet Graphic Log Standard Penetration Soil/Rock Description Moisture Content PID/FID Number And Geologic Origin For **NSCS** Liquid Plastic Limit P 200 **Each Major Unit** 18 SAND and GRAVEL, fine to coarse 19 SW 4.2 23 grained sand, little gravel, medium 10, 11 dense, moist, light brown 2 16 12, 14 21 22 23 25 27 ~28.5 ft: SAND, fine to coarse grained, 28 trace to little gravel, medium dense, moist, light brown ~28.75 ft: SAND, very fine to coarse SW 9.8 24 8, 10 grained sand, trace gravel, moist, tan ~29.25 ft, SAND, fine to coarse grained, 3 11.8 16 14, 13 30 trace to little gravel, medium dense, moist, light brown 31 35 36 37

SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A Page 3 of 5

Sample (2)										_{age} _ 3	of	
S st	ا ا			1				Soil Pr	opertie:	3		
Number Length Recovered (N) Blow Counts (N)	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	nscs	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	ROD/Comments
4 19 7.9	38 39 9 15 40 1 41 1 42	SAND, very fine to medium grained, trace gravel, medium dense, moist, tan to light brown	SW			16.4	20					
5 19 6,6	43 - 43 - 44 - 45 - 46 - 47 - 48 - 49 - 6 - 50 - 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58	SAND, very fine to medium grained, trace gravel, medium dense, moist, tan to light brown	sw			14.6	14					

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

7.01

MW-3 5 4_of_ Boring Number Page ROD/Comments Sample Soil Properties Blow Counts (N) Length Recovered (IN) Well Diagram Depth in Feet Graphic Log Standard Penetration Soil/Rock Description Moisture Content PID/FID Number And Geologic Origin For Liquid Limit Plastic Limit P 200 Each Major Unit SAND, fine to medium grained, trace 8, 14 gravel, very dense, moist, tan to light 6 16 SW 15 60+ 50/4. 61 62 64 65 66 67 68 ~68.5 ft: SAND, fine to coarse grained, trace gravel, dense, moist, light brown 69 SW 13, 20 16.8 49 ~69.25 ft: SAND, fine to medium 7 18 29, 32 grained, moist, tan 70 71 73 78 SAND, fine to coarse grained, trace 12, 15 SW 12.6 36 gravel, dense, moist, light brown 8 19 80 81

State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

7-91

MW-3 Page 5 of 5 Boring Number . Sample Soil Properties ROD/Comments Blow Counts (N) Length Recovered (IN) Well Diagram Depth in Feet Graphic Log Standard Penetration Soil/Rock Description Moisture Content Liquid Limit Plastic Limit And Geologic Origin For P 200 **Each Major Unit** 82 83 Suspécted SW 84 water level ~ 84.5 ft. 85 86 87 88 SAND, fine to coarse grained (from drill cuttings) 89 90 End of boring at 90 ft. Set MW-3 bottom at 90 ft. 91 10 inch screen, Sch. 40 PVC Wis. Well ID: PF650 92 93 95 96 99 100 101 102 103

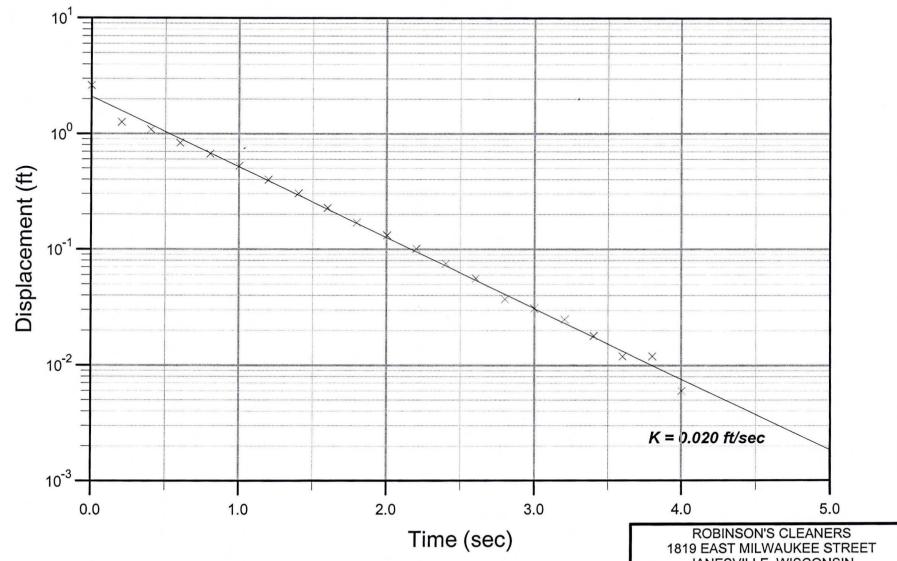
	olid Waste ☐ Haz. Waste ☐ se & Repair ☐ Underground		MONITORING Form 4400-113	WELL CONSTRUCTION Rev. 4-90
Facility/Project Name	Local Grid Location of Well		Well Name	
Robinson's Dry Cleaners 1819 E. Milwaukee St., Janesville, WI	ft. 🗆 N 🗆 S.	ft. □ E. □ W.	1	IW-3
Facility License, Permit or Monitoring Number		<u> </u>	∴Wis: Unique Well:Number	DNR-Well Number
	Grid Origin Location Lat ft. St. Plane ft.	Long		
Type of Well Water Table Observation Well 11 Piezometer 12	St. Planeft	. N, ft. E.	Date Well Installed 0 8	/ 2 7 / 0 2
				d d y y
	Section Location of Waste/So		Well Installed By: (Person's Na	me and Firm)
	NW1/4 of SE 1/4 of Sec. 30 Location of Well Relative to		Dave Cruise	
□ Yes □ No	u ☐ Upgradient d ■ Downgradient	s 🗖 Sidegradient	Badger State Drilling	·
A. Protective pipe, top elevation ft.	MSL ————	1. Cap and	l lock?	■ Yes □ No
B. Well casing, top elevation ft.		 1	ve cover pipe:	9.0.
C. Land surface elevation ft.		a. Insid b. Leng	e diameter: th:	$-\frac{9}{1} \cdot \frac{0}{0}$ in.
D. Surface seal, bottom ft MSL or	1331	c. Mate	rial:	Steel 0 4
		d Addi	Flush Mount tional protection?	Other 🛘 🚟
12. USCS classification of soil near screen: GP □ GM □ GC □ GW □ SW ■ SP	_ / 例	If ye	s, describe:	
SM C C ML MH CL CH		3. Surface		Bentonite□ 3 0
Bedrock □		KI 🔪		Concrete 0 1 Other 0 >>
13. Sieve analysis attached? ☐ Yes ■ N	. 🕻	4. Materia	I between well casing and protect	
		8		Bentonite□ 3 0
14. Drilling method used: Rotary □ 5 Hollow Stem Auger ■ 4		[8]	Ar Coarse sand	inular Space Seal
Other 🗆 🖰		K)	Course saint	Odici = 3.33
15. Drilling fluid used: Water □ 0 2 Air □ 0	. 🖫			
Drilling Mud			ular space seal: a. Gr Lbs/gal mud weight Bent	anular Bentonite 3 3
	l N	c	Lbs/gal mud weight	
16. Drilling additives used? ☐ Yes ■ N	· 🖺	d	% Bentonite Benton	
Describe:		e	Ft ³ volume added for any installed:	Tremie 0 1
	_ 8	[8]		Tremie pumped □ 0 2
17. Source of water (attached analysis):	l Ø	Я		Gravity■ 0 8
	🛱	6. Bentoni		entonite granules □ 3 3
<u> </u>			1/4 in. ■ 3/8 in. □ 1/2 in. 500 lb chips plus 50 gal bucket o	
E. Bentonite seal, top ft MSL or	2.0 ft	M /	nd material: Manufacturer, produ	
F. Fine sand, top ft MSL or _7	2.0 ft X	a	Ohio 40/60	::::
	→ ₩	b. Volt	ime added 50 lb	
G. Filter pack, top ft MSL or		A	ack material: Manufacturer, prod Ohio #5	uct name & mesh size
H. Screen joint, top ft MSL or _8_	<u>0</u> . <u>0</u> ft	b. Vol	ime added 200 lb	
I. Well bottom ft MSL or 9	0.0 A	9. Well ca		PVC schedule 40 ■ 2 3 PVC schedule 80 □ 2 4
J. Filter pack, bottom ft MSL or _9	<u>0</u> . <u>0</u> ft		material Schedule 40	Other 🗆 🗵
K. Borehole, bottom ft MSL or 9	<u>0</u> . <u>0</u> ft	10. Screen a. Scr	material: Schedule 40 seen type:	Factory cut 1 1 1 Continuous slot 0 1
L. Borehole, diameter8 . 3_ in.		%)/a-ada	Other 🗆 🖂
M. O.D. well casing 2.38 in.		c. Slot		0. <u>0</u> 10in
N. I.D. well casing <u>2.05</u> in.		_	ited length:	1 0 0 ft.
		11. Backi	ill material (below filler pack):	None ■ 1 4 Other □ <u>××</u>
I hereby certify that the information on this	form is true and correct	to the best of my know	wledge.	
Figure 17 1 1 1	7	· · · · · · · · · · · · · · · · · · ·		
Signature Katul but	UKS COT	poration, Madison	, vv I	

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 41, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: shaded areas are for DNR use only. See instruction for more information including where the completed form should be sent.

MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

	Route to: Watershed/	Wastewat	:cr 🗀	Waste Management			
	Remediation	n/Redeve	lopment []	Other			
Facility/Project Name	SON CLEBA	C	ounty Name	Rock	Well Name	MW-3	
Facility License, Permit of		C	ounty Code	Wis. Unique Well N	umber		ID Number
					650	L	
1. Can this well be purge	d dry?	□ Yes	⊠ No	11. Depth to Water			After Development
2. Well development met		m 41		(from top of well casing)	a_ & Z.	9 1 ft.	_81.90 n.
surged with bailer a surged with bailer		口 41 弦 61					
surged with block surged with block	and bailed and pumped	62		Date	PO B O	71200	$\frac{2}{y} \underbrace{08}_{m} \underbrace{129}_{d} \underbrace{19}_{y} \underbrace{2}_{y}$
compressed air		□ 70□ 20		Time .	cB:0	½ p.m.	_9:44 p.m.
bailed only		□ 10		10 6-4	^	۸. ،	0.00
pumped only pumped slowly		□ 51 197 50		12. Sediment in well bottom	0.	U inches	inches
Other	· · ·	⊠ 50		13. Water clarity	Clear [] 1 Turbid [1		Clezr 🕱 20 Turbid□ 25
3. Time spent developing	well	104	min.		(Describe)	7 ((Describe)
4. Depth of well (from to	p of well casisng)	90.	_		LOW		
5. Inside dismeter of well		2067	<u>Z</u> in.				
6. Volume of water in filt casing	=	· ·	_ gal.				
7. Volume of water remo	ved from well	04.1	Q gal.	Fill in if drilling fluk			•
8. Volume of water added	i (if any)		_ gal.	14. Total suspended solids		mg/l	mg/l
9. Source of water added	·	····		15. COD		mg/l	mg/l
		 .		16. Well developed b	y: Neme (first,	last) and Firm	
10. Analysis performed of (If yes, attach results)		☐ Ycs	⊠ No	First Name:		Last Name	:
				Firm: BADGER	STATE	DRIL	ung
17. Additional comments	on development:			4			
				•	•		
■ame and Address of Faci	Lity Contact/Owner/Resp	onsible Pa	arty	1 -1 1			
First	Last		•	of my knowledge.	it the above in	tormation is	true and correct to the best
Name:	Name:		·····	Signature: Ofe	170,1	<u> </u>	
acility/Firm:		 -		Print Name: Ros	- peur	TA	
						• • •	
Uty/State/Zip:				Firm: UC	5		
OTE: See instruction	ns for more information	on includ	ling a list of	county codes and w	ell type code		
					, p= ====		





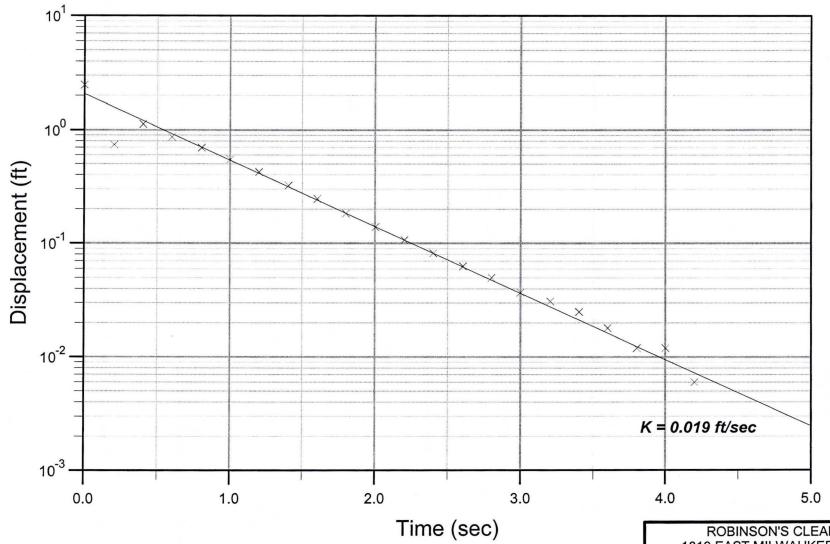
JANESVILLE, WISCONSIN

FIGURE B-1 SLUG TEST RESULTS MW-1, RUN 1



DATE: OCTOBER 2002



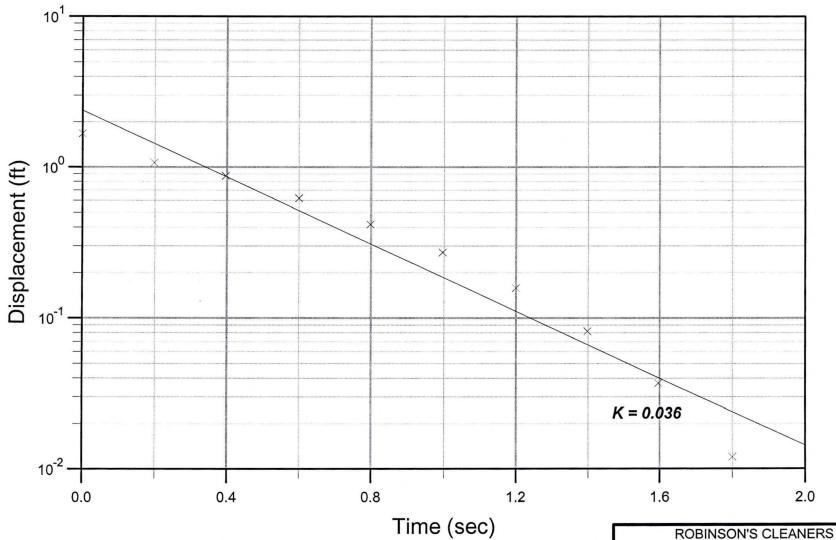


> FIGURE B-2 SLUG TEST RESULTS MW-1, RUN 2



DATE: OCTOBER 2002



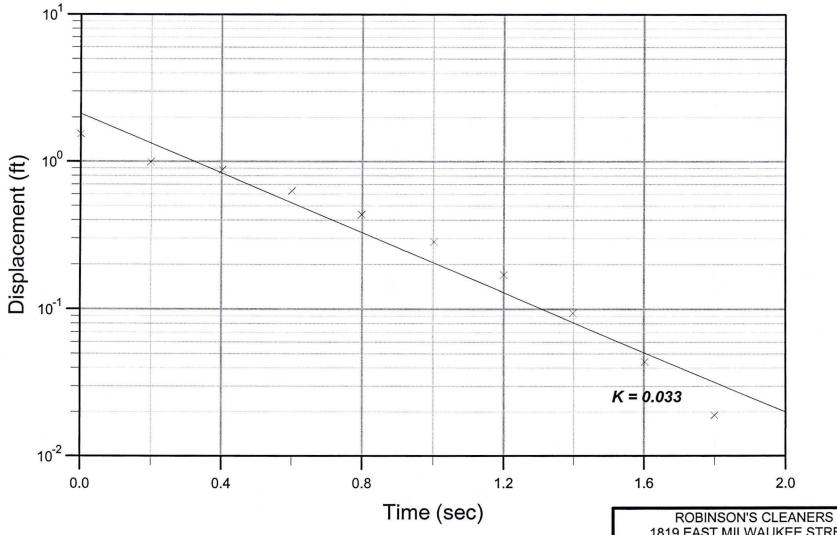


> FIGURE B-3 SLUG TEST RESULTS MW-2, RUN 1



DATE: OCTOBER 2002



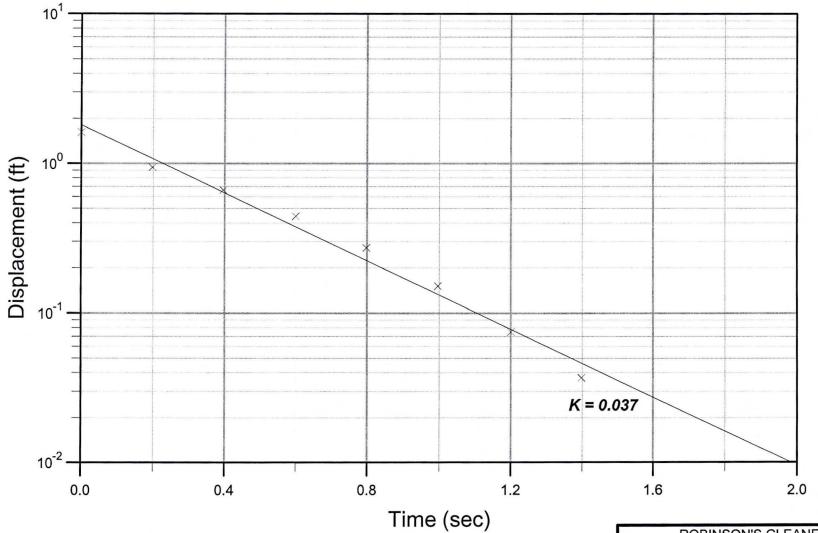


> FIGURE B-4 SLUG TEST RESULTS MW-2, RUN 2



DATE: OCTOBER 2002



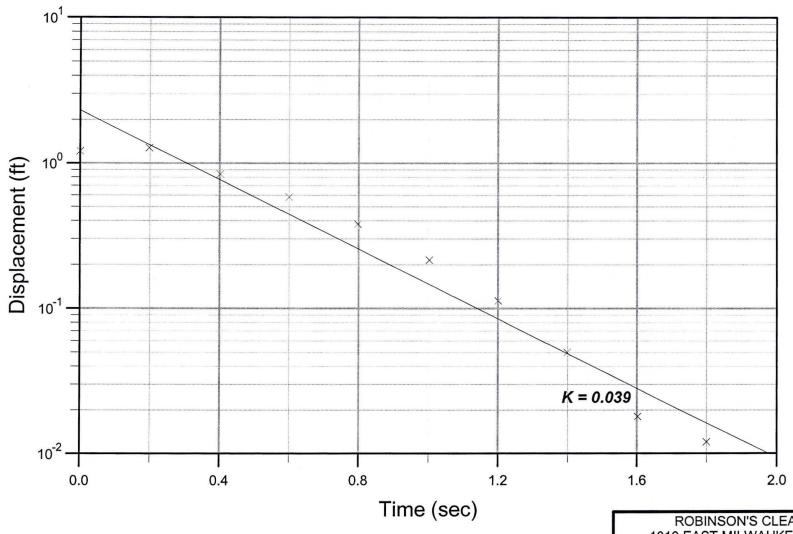


> FIGURE B-5 SLUG TEST RESULTS MW-3, RUN 1



DATE: OCTOBER 2002





> FIGURE B-6 SLUG TEST RESULTS MW-3, RUN 2



DATE: OCTOBER 2002

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520

Ph: (715)-478-2777 Fax: (715)-478-3060

Client:

URS Corporation (Madison)

Attn: Bob Nauta 5250 East Terrace Drive Madison.WI 53718

VOCs (solid) by EPA 8260

Rabinson Classes 54270 002

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105 000330 EPA Laboratory ID No. WI00034

Printed: 07/24/02 Code: S

Page 1 of 2

NLS Project:

NLS Customer:

07/22/02 SW846 8260

67705 91207

721026460

Project: Robinson Cleaners 51279-002		<u> </u>					
Soil, Robin-2 8' NLS ID: 286354 Ref. Line COC 103805 Soil, Robin-2 8' Matrix: SO Collected: 07/12/02 08:25 Received: 07/16/02	. vii						
Parameter Solids, total on solids VOCs (solid) by EPA 8260	Result 78.8 see attached	Units %		OD LOQ .10*	07/17/02	Method ASTM D2216 SW846 8260	Lab 721026460 721026460
Soil, Robin-8-12 NLS ID: 286355 Ref. Line COC 103805 Soil, Robin-8-12 Matrix: SO Collected: 07/12/02 12:00 Received: 07/16/02	See allaureu				01123/02	34040 0200	121020400
Parameter Solids, total on solids VOCs (solid) by EPA 8260	Result 96.6 see attached	Units %	and the state of the second second second second second second second second second second second second second	OD LOQ .10*		Method ASTM D2216 SW846 8260	Lab 721026460 721026460
Soil, Robin-3-2 NLS ID: 286356 Ref. Line COC 103805 Soil, Robin-3-2 Matrix: SO Collected: 07/12/02 12:15 Received: 07/16/02							
Parameter Solids, total on solids VOCs (solid) by EPA 8260	Result 78.2 see attached	^{\$} >* Units %	we continue the continue to th	OD LOQ .10*	07/17/02	Method ASTM D2216 SW846 8260	Lab 721026460 721026460
Soil, Robin-4-15 NLS ID: 286357 Ref. Line COC 103805 Soil, Robin-4-15 Matrix: SO Collected: 07/12/02 12:30 Received: 07/16/02							
Parameter Solids, total on solids	Result 96.8			OD::::::::::::LOQ:		Method ASTM D2216	Lab 721026460
VOCs (solid) by EPA 8260 Soil, Robin-6-4 NLS ID: 286358	see attached			25/25/25/25/25/25/25/25/25/25/25/25/25/2		SW846 8260	721026460
Ref. Line COC 103805 Soil, Robin-6-4 Matrix: SO Collected: 07/12/02 12:45 Received: 07/16/02							
Parameter	Result	للتؤلف الفاحة والمنبو كالمجاهلية لنناه وهوالته للمحالة وكالمتاث والمنطقين فلواكم	عمانيها النا والشنف والاعتيان والمسترين والمستح فالمارات بالمراجع والمارات والمراجع والمارات	OD LOQ	At a second of the Adams of the		Lab
Solids, total on solids VOCs (solid) by EPA 8260	79.9 see attached	%	1 0	10*		ASTM D2216 SW846 8260	721026460 721026460
Soil, Robin-9-15 NLS ID: 286359 Ref. Line COC 103805 Soil, Robin-9-15 Matrix: SO Collected: 07/12/02 13:00 Received: 07/16/02	सः विदेशकारः विदेशकारः । <u>वि</u>	कुर्यु दृष्ट्याः । जनसम्बद्धाः । इ.स.च्या	e telegopaken salah yaki etakakan sin	en "			
Parameter Solids, total on solids	Result 96.2	Units %	in and the property of the control o	OD LOQ .10*		Method ASTM D2216	Lab 721026460
VOO- (!:-) by EDA 0000	30.6					C/M046 9260	721026460

see attached

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460

WDATCP Laboratory Certification No. 105 000330

EPA Laboratory ID No. WI00034

Printed: 07/24/02 Code: S

Page 2 of 2

NLS Project:

67705

NLS Customer:

91207

Client:

URS Corporation (Madison)

Attn: Bob Nauta 5250 East Terrace Drive Madison,WI 53718

madison, vi 337

Project: Robinson Cleaners 51279-002

Soil, Robin-10-8 NLS ID: 286360

Ref. Line COC 103805 Soil, Robin-10-8 Matrix: SO Collected: 07/12/02 13:15 Received: 07/16/02

Parameter	Result Units Dilution LOD LOQ	Analyzed	Method	Lab
Solids, total on solids	78.4 % 1 0.10*	07/17/02	ASTM D2216	721026460
VOCs (solid) by EPA 8260	see attached	07/22/02	SW846 8260	721026460

Soil, Robin-11-15 NLS ID: 286361

Ref. Line COC 103805 Soil, Robin-11-15 Matrix: SO Collected: 07/12/02 13:30 Received: 07/16/02

Parameter.	Result Units	Dilution LOD LOQ	Analyzed Method	Lab
Solids, total on solids	97.2	1 0.10*		2216 721026460
VOCs (solid) by EPA 8260	see attached		07/22/02 SW846 8	3260 721026460

Soil, Robin-12-15 NLS ID: 286362

Ref. Line COC 103805 Soil, Robin-12-15 Matrix: SO Collected: 07/12/02 13:45 Received: 07/16/02

	Parameter		Result		Dilution L	OD LOQ	Analyzed	Method	Lab
1	Solids, total on solids	아스레트 교육 전환하다	97.3	%	1. 48.64-0.	.10*	07/17/02	ASTM D2216	721026460
	VOCs (solid) by EPA 8260		see attached				07/22/02	SW846 8260	721026460

MeOH Blank NLS ID: 286363

Ref. Line COC 103805 MeOH Blank Matrix: TB Collected: 07/12/02 00:00 Received: 07/16/02

Parameter	Result Units Dilution LOD LOQ A	nalyzed Method Lab
VOCs (solid) by EPA 8260	see attached C	07/22/02 SW846 8260 721026460

Values in brackets represent results greater than the LOD but less than or equal to the LOQ and are within a region of "Less-Certain Quantitation". Results greater than the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits.

LOD = Limit of Detection DWB = Dry Weight Basis LOQ = Limit of Quantitation
NA = Not Applicable

ND = Not Detected

1000 ua/L = 1 ma/L

%DWB = (mg/kg DWB) / 10000

ed by: 🚤

Authorized by:
R. T. Krueger
President

ANALYTIC Customer: URS Corporation (Madison) Project Description: Robinson Cleane	Page 1 of 20					
roject Title: 51279-002	Template: SATS					
ample: 286354 Soil, Robin-2 8'	Collected: 07/	12/02	Analyzed:	07/22/02		
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Benzene	ND ND	ug/kg	1	15	50	
Bromobenzene	ND	ug/kg	1	17	54	
Bromochloromethane	ND	ug/kg	1	22	73	
Bromodichloromethane	ND	ug/kg	1	15	52	
Bromoform	ND / Mass	ug/kg		19	68	
Bromomethane	ND	ug/kg	1	200	200	
n-Butylbenzene	ND ND	ug/kg	1	22 21	72 68	
ec-Butylbenzene ert-Butylbenzene	ND ND	ug/kg ug/kg	1	12	39	
Carbon Tetrachloride	ND ND	ug/kg ug/kg	•	21	72	
Chlorobenzene	ND	ug/kg ug/kg	1	11	35	
Chloroethane	ND	ug/kg	1	200	200	
Chloroform	ND	ug/kg	1	20	68	
Chloromethane	ND	ug/kg	1		48	
2-Chlorotoluene	ND.	ug/kg	. 1 🔌		37	
-Chlorotoluene	ND		1	23	78	
Dibromochloromethane	ND	<u> </u>	1		64	
,2-Dibromo-3-Chloropropane ,2-Dibromoethane	ND ND	ug/kg	1	24 19	79 65	
	ND ND	ug/kg ug/kg			71	
,2-Dichlorobenzene	ND ND	ug/kg		19	63	 -
	ND	ug/kg			50	·
	ND ND	ug/kg	1	17	58	- All and house
Dichlorodifluoromethane	ND			14	48	
,	ND ND	ug/kg	100 1		62	
1	ND	ug/kg		21	66	
,1-Dichloroethene bis-1,2-Dichloroethene	ND 5000	ug/kg ug/kg	1 2.5	21 40	71 130	
rans-1,2-Dichloroethene		ug/kg ug/kg	1 .		80	
,2-Dichloropropane	ND	ug/kg		12	40	
,3-Dichloropropane	ND ND	ug/kg	- i	15	50	
2,2-Dichloropropane	ND	ug/kg	7 Jan 1	19	62	
,1-Dichloropropene	ND ND	ug/kg	A 1127 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14	49	
is-1,3-Dichloropropene	ND		448 48 1 2 48		51	
ans-1,3-Dichloropropene	ND ND	ug/kg	1		51	
thylbenzene	ND ND		ଶ୍ୟର୍ଗ ବ୍ୟକ୍ତି । ମ ହିଣ୍ଡି । ପ୍ରତ୍ୟକ୍ତି । ମହିଳା ସହର	20	68	
lexachlorobutadiene sopropylbenzene	ND ND	ug/kg ug/kg	1035 0 1	23 20	76 70	
-Isopropyldenzene -Isopropyltoluene	ND ND		11.7		71	
-isopropyrioidene Methylene chloride		ug/kg		* 14	46	
laphthalene	[73]	ug/kg	i	25	79	
-Propylbenzene	ND	ug/kg	11	15	55	
rtho-Xylene	ND	ug/kg	1	23	80	
tyrene	ND ND	ug/kg	1	19	66	
,1,1,2-Tetrachloroethane	ND ND	ug/kg	1	15	53	
,1,2,2-Tetrachloroethane	ND 750	ug/kg ug/kg	7	11 22	35 77	
etrachloroethene oluene	ND ND	ug/kg ug/kg		21	71	
,2,3-Trichlorobenzene	ND ND	ug/kg ug/kg		20	70	
,2,4-Trichlorobenzene	ND ND	ug/kg	- i -	23	79	
1.1.1-Trichloroethane	ND ND	ug/kg	1	12	38	
,1,2-Trichloroethane	ND	ug/kg	11	24	80	
richloroethene	[30]	ug/kg	1	23	78	

ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000) n (Madison) NLS Project: 67705

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Customer: URS Corporation (Madison)
Project Description: Robinson Cleaners

Project Title: 51279-002

Template: SATS

Sample: 286354 Soil, Robin-2 8'	Collected: 07/	12/02	Analyzed: 0	7/22/02		
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Trichlorofluoromethane	ND	ug/kg	1	16	54	
1,2,3-Trichloropropane	ND	ug/kg	1	16	55	
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70	
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39	
Vinyl chloride	ND 4434	ug/kg	Frg. 1	17	55	
meta,para-Xylene	ND 1	ug/kg	1.	39	130	i
MTBE	ND	ug/kg		14	44	
Isopropyl Ether	ND ND	ug/kg	1 6 1 1 1 to	16	53	
Dibromofluoromethane (SURR**)	101%			\$ 550m		
Toluene-d8 (SURR**)	113%	0.453.55				
1-Bromo-4-Fluorobenzene (SURR**)	*** 105%					
1-Bromo-4-Fluorobenzene (SURR**)	** 105%				 	

^{**} Surrogates are used to evaluate a method's Quality Control.



ANALYTICAL RE ustomer: URS Corporation (Madison)		Page 3 of 20			
roject Description: Robinson Cleaners roject Title: 51279-002	Template: SATS				
ample: 286355 Soil, Robin-8-12	Collected: 0'	7/12/02	Analyzed: 07/22/02		
ANALYTE NAME	RESULT	UNITS	DIL LOD	LOQ	
enzene	ND	ug/kg	1 15	50	
romobenzene	ND	ug/kg	1 17	54	
romochloromethane	ND	ug/kg	1 22	73	
romodichloromethane	ND	ug/kg	1 15	52	
romoform	ND ND	ug/kg	1 19	68	
romomethane -Butylbenzene	ND ND	ug/kg ug/kg	1 200 1 22	200 72	
ec-Butylbenzene	ND ND	ug/kg ug/kg	1 21	68	
ert-Butylbenzene	ND ND	ug/kg	1 12	39	
arbon Tetrachloride	ND	ug/kg	1 21	72	
hlorobenzene	∜ ND	ug/kg	1 4 11	35	
hloroethane	ND	ug/kg	1 200	200	
hloroform	ND	ug/kg	1 20	68	
	ND ND	ug/kg	1 14	48	
-Chlorotoluene -Chlorotoluene	ND ND	ug/kg ug/kg	1 11 1 23	37 78	The state of the s
ibromochloromethane	ND ND	ug/kg ug/kg	1 23		
,2-Dibromo-3-Chloropropane	ND ND	ug/kg	1 24	79	
,2-Dibromoethane	ND 3	ug/kg	1 19	65	
ibromomethane	ND:	ug/kg	1 21	71	
2-Dichlorobenzene	ND	ug/kg	1 19	63	
,3-Dichlorobenzene	ND	ug/kg	1 14	50	
,	ND ND	ug/kg	1 17	58	
ichlorodifluoromethane ,1-Dichloroethane	ND ND	ug/kg	1 14 1 19	48 62	
,2-Dichloroethane	ND ND	ug/kg ug/kg	1 19 1 21	66	
1-Dichloroethene		ug/kg ug/kg	1 21	71	
<u></u>	ND ND	ug/kg	1 16	53	
ans-1,2-Dichloroethene	ND	ug/kg	1 24	80	
,2-Dichloropropane	ND ND	ug/kg	1 12	40	
,3-Dichloropropane		ug/kg	1 15	50	
	ND		1 19	62	
1-Dichloropropene	ND		14	49	
<u> </u>	ND ND	ug/kg	1 15 1 15	51 51	
		ug/kg ug/kg	-	68	and the state of t
exachlorobutadiene	ND	ug/kg	1 23	76	
copropylbenzene	ND	ug/kg	1 20	70	
-Isopropyltoluene	ND	ug/kg	1 21	71	
lethylene chloride	ND	ug/kg	1 14	46	
aphthalene	ND	ug/kg	1 25	79	
-Propylbenzene	ND ND	ug/kg	1 15	55	
rtho-Xylene	ND ND	ug/kg	1 23 1 19	80 66	
tyrene 1,1,2-Tetrachloroethane	ND ND	ug/kg ug/kg	1 19 1 15	53	
,1,2,2-Tetrachloroethane	ND ND	ug/kg ug/kg	1 11	35	
etrachloroethene	ND	ug/kg	1 22	77	
oluene	ND	ug/kg	1 21	71	
2,3-Trichlorobenzene	ND	ug/kg	1 20	70	
2,4-Trichlorobenzene	ND	ug/kg	1 23	79	
1,1-Trichloroethane	ND_	ug/kg	1 12	38	
1,2-Trichloroethane richloroethene	ND ND	ug/kg ug/kg	1 24 1 23	80 78	

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ANALYTICAL Customer: URS Corporation (Madison) Project Description: Robinson Cleaners	RESULTS: VC NLS Project	C's by EPA 826 : 67705	0 - Methar	iol - (Satur	n 2000)		
Project Title: 51279-002	Template:	SATS					
Sample: 286355 Soil, Robin-8-12	· · · · · · · · · · · · · · · · · · ·	Collected: 07	/12/02	Analyzed:	07/22/02		
ANALYTE NAME		RESULT	UNITS	DIL	LOD	LOQ	
Trichlorofluoromethane		ND	ug/kg	1	16	54	
1,2,3-Trichloropropane		ND	ug/kg	1	16	55	
1,2,4-Trimethylbenzene	,	ND	ug/kg	1	20	70	
1,3,5-Trimethylbenzene		ND	ug/kg	1	11	39	
Vinyl chloride		ND	ug/kg	1	17	55	
meta,para-Xylene		ND	ug/kg	39. N. 1 . E	39	130	
MTBE		ND	ug/kg	1 3 1 5 T 1	14	44	
Isopropyl Ether		ND	ug/kg	1.001	16	53	
Dibromofluoromethane (SURR**)		103%			in the training		
Toluene-d8 (SURR**)	2017/12	114%		1776. a f 1 f 1			
1-Bromo-4-Fluorobenzene (SURR**)		98%	This is				

^{**} Surrogates are used to evaluate a method's Quality Control.



	CAL RESULTS: VOC's by EPA 826	60 - Metha	nol - (Saturn 2	2000)	<u></u> .	Page 5 of 20
ustomer: URS Corporation (Madiso					•	
oject Description: Robinson Clean						
oject Title: 51279-002	Template: SATS				·	
mple: 286356 Soil, Robin-3-2	Collected: 07	/12/02	Analyzed: 07/2	22/02		
ANALYTE NAME	RESULT	UNITS	DIL.	LOD	100	
enzene	ND RESULT	ug/kg	1	15	LOQ 50	The state of the s
romobenzene	ND ND	ug/kg	<u> </u>	17	54	
romochloromethane	ND	ug/kg	1	22	73	
romodichloromethane	ND	ug/kg	1	15	52	
Bromoform	ND ND	ug/kg		19	68	
romomethane -Butylbenzene	ND ND	ug/kg ug/kg	2013: 8 1 9 Notae 1 913: 440	200 22	200 72	
ec-Butylbenzene	ND ND	ug/kg	1	21	68	
ert-Butylbenzene	ND ND	ug/kg	1	12	39	
Carbon Tetrachloride	ND ND	ug/kg	1 1	21	72	
thlorobenzene	* ND	ug/kg	1 1	11	35	
thloroethane thloroform	ND ND	ug/kg ug/kg	1 550 1 1533	200 20	200 68	
Chloromethane	ND ND	ug/kg ug/kg	1		48	
-Chlorotoluene	ND	ug/kg	<u> </u>	11	37	
-Chlorotoluene	ND	ug/kg	1 (44)	23	78	
bibromochloromethane	ND ,	ug/kg	1	18	64	
,2-Dibromo-3-Chloropropane ,2-Dibromoethane	ND ND	ug/kg	1 1 1 1 1 1 1	24 19	79 65	
ibromomethane	ND ND	ug/kg ug/kg	1 33454 1 3 3373		71	**************************************
,2-Dichlorobenzene	ND ND	ug/kg	1 1000	19	63	
,3-Dichlorobenzene	ND ND	ug/kg	1	14	50	
,4-Dichlorobenzene	ND	ug/kg	1 150	17	58	
Dichlorodifluoromethane ,1-Dichloroethane	ND ND	ug/kg	1.	14	48	
	ND ND	ug/kg ug/kg	1 mai 2 1 mai 1902 2002	19 21	62 66	
1-Dichloroethene	ND ND	ug/kg	1	21	71	
is-1,2-Dichloroethene	450	ug/kg	1 1 1	16	53	
ans-1,2-Dichloroethene	ND	ug/kg	112	24	80	
,2-Dichloropropane	ND	ug/kg	<u> </u>	12	40	
3-Dichloropropane 2-Dichloropropane	ND ND	ug/kg ug/kg	문화학 의 1 (2 - 1912) 구기 전체 1 (2 - 1912)	15 19	50 62	
,1-Dichloropropene	ND	ug/kg	.	14	49	
s-1,3-Dichloropropene	ND	ug/kg		15	51	
ans-1,3-Dichloropropene	ND	ug/kg	(1986) 1 (1986)	15	51	
thylbenzene	ND	ug/kg	Ne 2011 10	20	68	
exachlorobutadiene opropylbenzene	ND ND	ug/kg		23	76 70	
Isopropyltoluene	ND ND	ug/kg ug/kg	1	20 21		H-Findaman and Fin
ethylene chloride	ND			14	46	
aphthalene	ND	ug/kg	1	25	79	
Propylbenzene	ND.	ug/kg	1	15	55	Militaria de la companya de la companya de la companya de la companya de la companya de la companya de la comp
tho-Xylene	ND ND	ug/kg	1	23 19	80 66	
yrene 1,1,2-Tetrachloroethane	ND ND	ug/kg ug/kg	<u>'</u> -	15	53	
1,2,2-Tetrachloroethane	ND	ug/kg	<u> </u>	11	35	
etrachloroethene	30000	ug/kg	20	440	1500	
pluene	ND	ug/kg	1	21	71	
2,3-Trichlorobenzene	ND ND	ug/kg	1	20	70 70	
2,4-Trichlorobenzene 1,1-Trichloroethane	ND ND	ug/kg ug/kg	<u> </u>	23 12	79 38	·
1,1-Inchloroethane	ND ND	ug/kg ug/kg	1	24	80	
richloroethene	760	ug/kg	1	23	78	

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ANALYTICAL	RESULTS: VOC's by E	PA 8260 - Meth	anol - (Satu	rn 2000)		
Customer: URS Corporation (Madison)	NLS Project: 67705					
Project Description: Robinson Cleaners	_					
Project Title: 51279-002	Template: SATS					
Samuel 200250 Sail Dakin 2.2	Called	4-4-07/12/02	A	07/22/02		
Sample: 286356 Soil, Robin-3-2	Collec	ted: 07/12/02	Analyzed:	07/22/02		
ANALYTE NAME	RE	SULT UNIT	S DIL	LOD	LOQ	
Trichlorofluoromethane		ID ug/kg	1	16	54	
1,2,3-Trichloropropane	P	ID ug/kg	1	16	55	
1,2,4-Trimethylbenzene		ID ug/kg	1	20	70	
1,3,5-Trimethylbenzene		ID ug/kg	1	11	39	
Vinyl chloride	. 1	D ug/kg	-5 1	17	55	
meta,para-Xylene	1	ID ug/kg	1	39	130	
MTBE	445	D ug/kg		14	44	
Isopropyl Ether		ID ug/kg		16	53	
Dibromofluoromethane (SURR**)	10	6%		33 M. 184 E.	~ · · · · · · · · · · · · · · · · · · ·	
Toluene-d8 (SURR**)	11	7%				
1-Bromo-4-Fluorobenzene (SURR**)	11	3%		a grada i		

^{**} Surrogates are used to evaluate a method's Quality Control.

	RESULTS: VOC's by EPA 826	0 - Methar	ol - (Satu	rn 2000)		Page 7 of 20
ustomer: URS Corporation (Madison) oject Description: Robinson Cleaners	NLS Project: 67705					•
oject Description: Robinson Cleaners oject Title: 51279-002	Template: SATS					
mple: 286357 Soil, Robin-4-15	Collected: 07	//12/02	Analyzed	07/22/02		
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
enzene	ND	ug/kg	11	15	50	
romobenzene romochloromethane	ND ND	ug/kg ug/kg	<u>1</u>	17 22	54 73	
omodichloromethane	ND	ug/kg	- i	15	52	
romoform	ND / En en en en	ug/kg	1	19	68	
omomethane Butylbenzene	The second secon	ug/kg ug/ka	कुर्व देवे .1 विकेश 1 विकास	200 22	200	· ·
ec-Butylbenzene		ug/kg ug/kg	1	21	<u>72</u> 68	
rt-Butylbenzene	ND .	ug/kg	1	12	39	
arbon Tetrachloride	ND.	ug/kg	1.1	21	72	
nlorobenzene		ug/kg	1	11	35	
hloroethane nloroform	ND ND	ug/kg ug/kg	<u> </u>	200 20	200 68	
hloromethane	ND ND	ug/kg ug/kg	1	14	48	
Chlorotoluene	ND	ug/kg	1	11	37	
01110,01010110	ND ND	ug/kg	1 4	23	78	
bromochloromethane 2-Dibromo-3-Chloropropane	ND ND	ug/kg ug/kg		18 24	64 79	
2-Dibromoethane	ND ND	ug/kg ug/kg	1		65	
bromomethane	ND.	ug/kg	1	21	71	
2-Dichlorobenzene	ND ND	ug/kg	1	10	63	
3-Dichlorobenzene 4-Dichlorobenzene	ND ND	ug/kg ug/kg	1	14 17	50 58	
chlorodifluoromethane	ND ND	ug/kg ug/kg	4 1	14	48	
1-Dichloroethane	ND ND	ug/kg	1450(1 7)	19	62	
2-Dichloroethane	ND ND	ug/kg	1		66	
	ND ND	ug/kg ug/kg	1	21 16	71 53	
ins-1,2-Dichloroethene	ND ND	ug/kg ug/kg	1	24	80	
2-Dichloropropane	ND ND	ug/kg	1	12	40	
3-Dichloropropane	ND		1	15	50	
2-Dichloropropane 1-Dichloropropene	ND ND	ug/kg ug/kg	<u> 1000 </u>	19 14	62 49	
s-1,3-Dichloropropene	ND.	ug/kg ug/kg	14. 15. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		49 51	
ans-1,3-Dichloropropene	ND ND	ug/kg	6 6 1 9 9	15	51	
hylbenzene	ND	ug/kg	1	20	68	
exachlorobutadiene	ND ND	ug/kg		23	76	
ppropylbenzene Isopropyltoluene	ND ND		1	20 21	-3 70 71	
ethylene chloride	ND			14	46	
aphthalene	ND ND	ug/kg	1	25	79	
Propylbenzene	ND ND	ug/kg	1	15	55	
tho-Xylene yrene	ND ND	ug/kg ug/kg	<u>1</u>	23 19	80 66	
1,1,2-Tetrachloroethane	ND	ug/kg ug/kg		15	53	
1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35	
etrachloroethene	[41]	ug/kg	11	22	77	·
oluene 2,3-Trichlorobenzene	ND ND	ug/kg ug/kg	<u>1</u>	21 20	71 70	
2,4-Trichlorobenzene	ND ND	ug/kg ug/kg	1	23	79	
1,1-Trichloroethane	ND	ug/kg	1	12	38	
1,2-Trichloroethane	ND ND	ug/kg	1	24 23	80 78	

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ANALYTICAL I Customer: URS Corporation (Madison)	RESULTS: VOC's by EPA 8260 NLS Project: 67705) - Methar	nol - (Satur	n 2000)		
Project Description: Robinson Cleaners Project Title: 51279-002	Template: SATS					
Sample: 286357 Soil, Robin-4-15	Collected: 07	Analyzed:				
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	_
Trichlorofluoromethane	ND	ug/kg	1	16	54	
,2,3-Trichloropropane	ND	ug/kg	1	16	55	
,2,4-Trimethylbenzene	. ND	ug/kg	1	20	70	
,3,5-Trimethylbenzene	ND	ug/kg	1	11	39	
inyl chloride	ND.	ug/kg	1	17	55	
eta,para-Xylene	ND	ug/kg	1.1	39	130	
TBE	ND	ug/kg	1	14	44	
sopropyl Ether	ND ND	ug/kg	1	16	53	
Dibromofluoromethane (SURR**)	105%			11.400		
Toluene-d8 (SURR**)	117%		Property Chi			
1-Bromo-4-Fluorobenzene (SURR**)	110%	lan eng			<u> </u>	

^{**} Surrogates are used to evaluate a method's Quality Control.

ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000) Customer: URS Corporation (Madison) NLS Project: 67705 Project Description: Robinson Cleaners Project Title: 54070 000

Project Title: 512	279-002	Template: SATS						
Sample: 286358	Soil, Robin-6-4	Coll	ected: 07/12/	02	Analyzed:	07/22/02		
ANALYTE NAM	E	R	RESULT	UNITS	DIL	LOD	LOQ	
Benzene			ND	ug/kg	1	15	50	
Bromobenzene			ND	ug/kg	1	17	54	
Bromochloromethane			ND	ug/kg	1	22	73	
Bromodichloromethan	е		ND	ug/kg	1	15	- 52	
Bromoform			ND	ug/kg	1	19	68	
Bromomethane			ND	ug/kg	1	200	200	
n-Butylbenzene			ND	ug/kg	1	22	72	
sec-Butylbenzene			ND	ug/kg	1	21	68	
tert-Butylbenzene			ND	ug/kg	1	12	39	
Carbon Tetrachloride			ND	ug/kg	1	21	72	
Chiorobenzene			ND	ug/kg	1	11	35	
Chloroethane	· · · · · · · · · · · · · · · · · · ·		ND	ug/kg	1	200	200	
Chloroform			ND	ug/kg	1	20	68	
Chloromethane			ND	ug/kg	1		48	
2-Chlorotoluene			ND	ug/kg	1 3.45	11	37	
4-Chlorotoluene	,		ND	ug/kg	1	23	78	
Dibromochloromethan	e		ND	ug/kg	- i -	18	64	
1,2-Dibromo-3-Chloro			ND	ug/kg	1	24	79	
1,2-Dibromoethane	V. O P. O. I		ND	ug/kg	1	19	65	
Dibromomethane			ND ND	ug/kg	1	21	71	
1,2-Dichlorobenzene			ND ND	ug/kg		19	63	
1,3-Dichlorobenzene			ND	ug/kg ug/kg	- i -		50	
1,4-Dichlorobenzene			ND	ug/kg ug/kg	1	17	58	
Dichlorodifluorometha	ne .		ND	ug/kg ug/kg	1	14	48	
1,1-Dichloroethane			ND ND	ug/kg ug/kg	1	19	62	
1,2-Dichloroethane			ND	ug/kg ug/kg	1	21		
			ND ND		1	21		
1,1-Dichloroethene cis-1,2-Dichloroethene			ND ND	ug/kg			71 53	
				ug/kg				
trans-1,2-Dichloroethe			ND	ug/kg		24	80 40	
1,2-Dichloropropane			ND	ug/kg	1.	12	40	
1,3-Dichloropropane			ND	ug/kg		15	50 60	
2,2-Dichloropropane			ND	ug/kg			62	
1,1-Dichloropropene			ND	ug/kg	<u> (1986)</u> 6 1 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	14	49	
cis-1,3-Dichloroproper			ND	ug/kg		15	51	
trans-1,3-Dichloroprop	ene	· · · · · · · · · · · · · · · · · · ·	ND	ug/kg	1	15	51	
Ethylbenzene			ND	ug/kg	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20	68	
Hexachlorobutadiene		\$ 200 (\$ 6 C) \$ 200 (\$ C) \$ 20	ND	ug/kg	4 (4 th 1 th	23	76	
Isopropylbenzene			ND	ug/kg	1			
p-Isopropyltoluene		가는 무슨 사람들이 얼마를 살았다.	ND	ug/kg		21	71	
Methylene chloride			ND	ug/kg	4.4		46	
Naphthalene			ND	ug/kg	1	25	79	
n-Propylbenzene			ND	ug/kg	11	15	55	
ortho-Xylene			ND	ug/kg	1	23	80	
Styrene			ND	ug/kg	1	19	66	
1,1,1,2-Tetrachloroeth	ane		ND	ug/kg	1	15	53	
1,1,2,2-Tetrachloroeth			ND	ug/kg	1	11	35	
Tetrachloroethene			180	ug/kg	1	22	77	
Toluene			ND	ug/kg	1	21	71	
1,2,3-Trichlorobenzen	e		ND	ug/kg	1	20	70	
1,2,4-Trichlorobenzen			ND	ug/kg	<u> </u>	23	79	
1,1,1-Trichloroethane	<u> </u>		ND	ug/kg	1	12	38	
1,1,2-Trichloroethane			ND	ug/kg	<u> </u>	24	. 80	
Trichloroethene			240	ug/kg	<u> </u>	23	78	

ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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NLS Project: 67705

Customer: URS Corporation (Madison) Project Description: Robinson Cleaners
Project Title: 51279-002

Sample: 286358 Soil, Robin-6-4		Collected: 07/1	12/02	Analyzed: (
ANALYTE NAME	····	RESULT	UNITS	DIL	LOD	LOQ	
Trichlorofluoromethane		ND	ug/kg	1	16	54	
1,2,3-Trichloropropane		ND	ug/kg	1	16	55	
1,2,4-Trimethylbenzene		· ND	ug/kg	1	20	70	
1,3,5-Trimethylbenzene		ND _	ug/kg	1	11	39	
Vinyl chloride		ND	ug/kg	1	17	55	
meta,para-Xylene		ND	ug/kg	1.	39	130	
MTBE		ND	ug/kg	1	14	44	
Isopropyl Ether		. ND	ug/kg	1	16	53	
Dibromofluoromethane (SURR**)		97%					
Toluene-d8 (SURR**)		109%					
1-Bromo-4-Fluorobenzene (SURR**)		92%					

^{**} Surrogates are used to evaluate a method's Quality Control.

		0 - Methar	ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000) Customer: URS Corporation (Madison) NLS Project: 67705								
roject Description: Robinson Cleaners	120 1 10 1 201. 07 7 0 3										
roject Title: 51279-002	Template: SATS										
						<u> </u>					
ample: 286359 Soil, Robin-9-15	Collected: 07	/12/02	Analyzed: (7/22/02							
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ						
Benzene	ND	ug/kg	1	15	50						
Bromobenzene	ND	ug/kg	11	17	54						
Bromochloromethane	ND	ug/kg		22	73						
Bromodichloromethane Bromoform	ND ND	ug/kg		15	52						
Bromomethane	ND ND	ug/kg		19 200	68 200						
n-Butylbenzene	ND	ug/kg ug/kg	- 1	22	72						
sec-Butylbenzene	ND	ug/kg	1	21	68						
ert-Butylbenzene	ND	ug/kg	1 1	12	39						
Carbon Tetrachloride	ND	ug/kg	10.14	21	72						
Chlorobenzene	, ND	ug/kg	1	11	35						
Chloroethane	ND	ug/kg	1	200	200	·					
	ND	ug/kg	1	20	68						
Chloroteluone	ND ND	ug/kg	1	14	48						
2-Chlorotoluene I-Chlorotoluene	ND ND	ug/kg ug/kg	1 10 4	11 23	37 78						
Dibromochloromethane	ND ND	ug/kg ug/kg		<u>23</u> 18							
,2-Dibromo-3-Chloropropane	ND ND	ug/kg	<u>i</u> :	24	79						
,2-Dibromoethane	ND	ug/kg	1	19	65						
Dibromomethane	ND.	ug/kg	1	21	71						
,2-Dichlorobenzene	ND	ug/kg	1	19	63						
,3-Dichlorobenzene	ND	ug/kg	1	14	50						
I,4-Dichlorobenzene	ND ND	ug/kg	1	17	58	•					
Dichlorodifluoromethane	ND ND	ug/kg	u 120 % 1 (1 - 20 %). 176	14 19	48						
,1-Dichloroethane	ND ND	ug/kg ug/kg	<u> 164 (c1 (c) (c)</u> 31 (46 531 (c) (c)	19 21	62 66						
1,1-Dichloroethene	ND ND	ug/kg ug/kg	1	21	71						
cis-1,2-Dichloroethene	ND ND	ug/kg ug/kg	1	16	53						
rans-1,2-Dichloroethene	ND	ug/kg	1.7	24	80						
1,2-Dichloropropane	ND ND	ug/kg	142	12	40						
1,3-Dichloropropane	ND ND	ug/kg		15	50						
2,2-Dichloropropane	ND ND	ug/kg	1 1 1 1 1 1 1	19	62						
,1-Dichloropropene	ND	ug/kg	5 (1882 <mark>1</mark> 1995)	14	49	***************************************					
is-1,3-Dichloropropene	ND ND	ug/kg	33 (00 1 - 40 0)	15	51						
rans-1,3-Dichloropropene thylbenzene	ND ND	ug/kg ug/kg	htspis 1 232 69 24 12 12 13	15 20	51 68						
lexachlorobutadiene	ND ND	ug/kg ug/kg		23	76						
sopropylbenzene	ND	ug/kg ug/kg	1 23		70						
-Isopropyltoluene	ND ND	ug/kg ug/kg	\$ 10 1 \$ 1	21	71						
lethylene chloride	ND			14	46						
laphthalene	ND	ug/kg	11	25	79						
-Propylbenzene	ND	ug/kg	1	15	55						
rtho-Xylene	ND	ug/kg	1	23	80						
Styrene	ND ND	ug/kg		19	66						
,1,1,2-Tetrachloroethane	ND ND	ug/kg	1	15 11	53 35						
,1,2,2-Tetrachloroethane etrachloroethene	ND [26]	ug/kg ug/kg	1	22	35 77						
oluene	ND	ug/kg ug/kg	1	21	71						
,2,3-Trichlorobenzene	ND ND	ug/kg		20	70						
,2,4-Trichlorobenzene	ND	ug/kg	i	23	79						
,1,1-Trichloroethane	ND	ug/kg	1	12	38						
,1,2-Trichloroethane	ND	ug/kg	1	24	80						
richloroethene	ND	ug/kg	.1	23	78	1					

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Customer: URS Corporation (Madison)
Project Description: Robinson Cleaners
Project Title: 51279-002

Sample: 286359 Soil, Robin-9-15	Collect	ed: 07/12/02	Analyzed	: 07/22/02		
ANALYTE NAME	RESU	LT UNITS	DIL	LOD	LOQ	
Trichlorofluoromethane	ND	ug/kg	1	16	54	
1,2,3-Trichloropropane	ND	ug/kg	1	16	55	
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70	
1,3,5-Trimethylbenzene	ND ND	ug/kg	1	11	39	
Vinyl chloride	ND	ug/kg	1	17	55	
meta,para-Xylene	ND	ug/kg	111	39	130	
MTBE	. det 13 e € ND	ug/kg	1	14	44	
Isopropyl Ether	ND.	ug/kg	1	16	53	
Dibromofluoromethane (SURR**)	95%		4.54			
Toluene-d8 (SURR**)	1149	6		and the second second		
1-Bromo-4-Fluorobenzene (SURR**)	102%	6				

^{**} Surrogates are used to evaluate a method's Quality Control.

Customer: URS Corporation (Madison)
Project Description: Robinson Cleaners
Project Title: 51279-002

Sample: 286360 Soil, Robin-10-8	Co	ollected: 07/12/	02	Analyz	ed: 07/22/02				
ANALYTE NAME		RESULT	UNITS	DIL	LOD	LOQ			
Benzene			ug/kg	1	15	50			
Bromobenzene		ND	ug/kg	1	17	54			
Bromochloromethane			ug/kg	1	22	73			
Bromodichloromethane		ND	ug/kg	1	15	52			
Bromoform		ND	ug/kg	. 1	19	68			
Bromomethane	. 8.7		ug/kg	1	200	200			
n-Butylbenzene		ND	ug/kg	1	22	72			
sec-Butylbenzene			ug/kg	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21	68			
tert-Butylbenzene		ND	ug/kg	1	12	39			
Carbon Tetrachloride			ug/kg	+ 50(14/1)	21	72			
Chlorobenzene			ug/kg	1	11	35			
Chloroethane			ug/kg	1	200	200			
Chloroform			ug/kg	1	20	68			
Chloromethane			ug/kg	1	. 14	48			
2-Chlorotoluene			ug/kg	1	11	37			
4-Chlorotoluene			ug/kg	1	23	78			
Dibromochloromethane		ND	ug/kg	1	18	64			
1,2-Dibromo-3-Chloropropane		ND	ug/kg	1	24	79			
1,2-Dibromoethane			ug/kg	1	19	65			
Dibromomethane			ug/kg	1	21	71			
1,2-Dichlorobenzene		ND	ug/kg	1	19	63			
1,3-Dichlorobenzene			ug/kg	1	14	50			
1,4-Dichlorobenzene	September 1		ug/kg	1	17	58			
Dichlorodifluoromethane			ug/kg	. 1	14	48			
1,1-Dichloroethane			ug/kg	1	19	62			
1,2-Dichloroethane			ug/kg	1	21	66			
1,1-Dichloroethene			ug/kg	1	21	71			
cis-1,2-Dichloroethene			ug/kg	183 1	16	53			
trans-1,2-Dichloroethene			ug/kg	1	24	80			
1,2-Dichloropropane			ug/kg	1	12	40			
1,3-Dichloropropane			ug/kg	· (1)	15	50		•	
2,2-Dichloropropane			ug/kg	1	19	62			
1,1-Dichloropropene			ug/kg		14	49			
cis-1,3-Dichloropropene			ug/kg	.1	15	51			
trans-1,3-Dichloropropene			ug/kg	1	15	51			
Ethylbenzene			ug/kg	1,11	20	68			
Hexachlorobutadiene			ug/kg	300 M3	23	76	·		
Isopropylbenzene			ug/kg	. 1	20	70			
p-Isopropyltoluene			ug/kg	37. (1.27. 1 .17.)	21	71			
Methylene chloride			ug/kg	4 200 1 0	14	46			
Naphthalene			ug/kg	1	25	79			
n-Propylbenzene			ug/kg	1	15	55			
ortho-Xylene			ug/kg	1	23	80			
Styrene			ug/kg	1	19	66			
1,1,1,2-Tetrachloroethane			ug/kg	1_	15	53			
1,1,2,2-Tetrachloroethane	-		ug/kg	1	11	35			
Tetrachloroethene			ug/kg	1	22	77			
Toluene			ug/kg	1	21	71			
1,2,3-Trichlorobenzene			ug/kg		20	70			
1,2,4-Trichlorobenzene			ug/kg	1	23	79			
1,1,1-Trichloroethane			ug/kg	1	12	38			
1,1,2-Trichloroethane		ND	ug/kg	1	24	80			
Trichloroethene		ND	ug/kg	1_	23	78			

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Customer: URS Corporation (Madison)
Project Description: Robinson Cleaners
Project Title: 51279-002

Sample: 286360 Soil, Robin-10-8	Collected: 07/12/02 Analyzed: 07/22/02
ANALYTE NAME	RESULT UNITS DIL LOD LOQ
Trichlorofluoromethane	ND ug/kg 1 16 54
1,2,3-Trichloropropane	ND ug/kg 1 16 55
1,2,4-Trimethylbenzene	ND ug/kg 1 20 70
1,3,5-Trimethylbenzene	ND ug/kg 1 11 39
Vinyl chloride	ND ug/kg 1 17 55
meta,para-Xylene	ND ug/kg 1 39 130
MTBE	ND ug/kg 1 14 44
Isopropyl Ether	ND ug/kg 1 16 53
Dibromofluoromethane (SURR**)	100%
Toluene-d8 (SURR**)	110%
1-Bromo-4-Fluorobenzene (SURR**)	110%
1-Diolito idolobenzelle (30/1/1)	(10%

^{**} Surrogates are used to evaluate a method's Quality Control.



Customer: URS Corporation (Madison)

Project Description: Robinson Cleaners

Project Title: 51279-002

Template: SATS

Sample: 286361 Soil, Robin-11-15	Collected: 0	7/12/02		1: 07/22/02		
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
zene	ND	ug/kg	1	15	50	
mobenzene	ND	ug/kg	1	17	54	
mochloromethane	ND	ug/kg	1	22	73	
modichloromethane	ND	ug/kg	1	15	52	
moform	ND	ug/kg	. 1	19	68	
omomethane	ND	ug/kg	1.	200	200	
Butylbenzene	ND	ug/kg	1	22	72	
c-Butylbenzene	ND	ug/kg	1	21	68	
t-Butylbenzene	ND	ug/kg	1	12	39	
rbon Tetrachloride	ND	ug/kg	1.	21	72	
llorobenzene	ND	ug/kg	1	11	35	
nloroethane	ND	ug/kg	1	200	200	
nloroform	ND .	ug/kg	1	20	68	
hloromethane	ND	ug/kg	1	14	48	
Chlorotoluene	ND	ug/kg	1	11	37	
Chlorotoluene	ND	ug/kg	1	23	78	
bromochloromethane	ND	ug/kg	1	18	64	
2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79	
2-Dibromoethane	ND	ug/kg	1	19	65	
bromomethane	ND	ug/kg	1 1	21	71	
2-Dichlorobenzene	ND	ug/kg	1	19	63	
B-Dichlorobenzene	ND	ug/kg	1	14	50	
-Dichlorobenzene	ND	ug/kg	1	17	58	
chlorodifluoromethane	ND	ug/kg	1	14	48	
1-Dichloroethane	ND	ug/kg	1	19	62	
-Dichloroethane	: ND	ug/kg	1	21	66	
I-Dichloroethene	ND	ug/kg	. 1	21	71	
:-1,2-Dichloroethene	ND	ug/kg	1	16	53	
s-1,2-Dichloroethene	ND	ug/kg	1	24	80	
Dichloropropane	ND	ug/kg	1	12	40	
3-Dichloropropane	ND	ug/kg	1	15	50	
2-Dichloropropane	ND.	ug/kg	1	19	62	
1-Dichloropropene	ND	ug/kg	1	14	49	
s-1,3-Dichloropropene	ND	ug/kg	1	15	51	
ns-1,3-Dichloropropene	ND ND	ug/kg	1	15	51	
hylbenzene	ND	ug/kg	1	20	68	
xachlorobutadiene	ND ND	ug/kg	1	23	76	
ppropylbenzene	ND	ug/kg	1	20	70	
sopropyltoluene	ND	ug/kg	1	21	71	
ethylene chloride	ND	ug/kg	1	14	46	
phthalene	ND	ug/kg	1	25	79	
Propylbenzene	ND	ug/kg	1	15	55	
tho-Xylene	ND	ug/kg	1	23	80	
yrene	. ND	ug/kg	1	19	66	
,1,2-Tetrachloroethane	ND	ug/kg	1	15	53	
,2,2-Tetrachloroethane	ND	ug/kg	1	11	35	
trachloroethene	ND	ug/kg	1	22	77	
uene	ND	ug/kg	1	21	71	
3-Trichlorobenzene	ND	ug/kg	1	20	70	
,4-Trichlorobenzene	ND	ug/kg	1	23	79	
,1-Trichloroethane	ND	ug/kg	1	12	38	
1,2-Trichloroethane	ND	ug/kg	1	24	80	
chloroethene	ND	ug/kg	1	23	78	

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	RESULTS: VOC's I	•	60 - Methan	ol - (Satur	n 2000)		
Customer: URS Corporation (Madison)	NLS Project: 677	05					
Project Description: Robinson Cleaners Project Title: 51279-002	Template: SATS	3	···				
Sample: 286361 Soil, Robin-11-15		Collected:	07/12/02	Analyzed	: 07/22/02		
ANALYTE NAME		RESULT	UNITS	DIL	LOD	LOQ	
Trichlorofluoromethane		ND	ug/kg	1	16	54	
,2,3-Trichloropropane		ND	ug/kg	1	16	55	
,2,4-Trimethylbenzene		ND	ug/kg	1	20	70	
,3,5-Trimethylbenzene		ND	ug/kg	1	11	39	
inyl chloride		ND	ug/kg	. 1	17	55	
neta,para-Xylene		ND	ug/kg	. 1	39	130	
/TBE		ND	ug/kg	1.	14	44	
sopropyl Ether	, in 1 of 100	ND	ug/kg	1	16	53	
Dibromofluoromethane (SURR**)		97%					
Toluene-d8 (SURR**)		111%	Bright Bright				
1-Bromo-4-Fluorobenzene (SURR**)		108%	tian samani	1.0			

^{**} Surrogates are used to evaluate a method's Quality Control.

ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Customer: URS Corporation (Madison)

NLS Project: 67705

Project Description: Robinson Cleaners

Project Title: 51279-002 Template: SATS

Sample: 286362 Soil, Robin-12-15 Collected: 07/12/02 Analyzed: 07/22/02 ANALYTE NAME RESULT UNITS DII LOD LOQ Benzene ND 15 50 ua/ka 1 Bromobenzene ND ug/kg 17 54 Bromochloromethane ND ug/kg 22 73 ND 52 Bromodichloromethane 15 ug/kg Bromoform ND ug/kg 19 68 Bromomethane ND 200 200 ug/kg n-Butylbenzene ND ug/kg 22 72 sec-Butvibenzene ND ug/kg 21 68 tert-Butylbenzene ND 39 12 ug/kg Carbon Tetrachloride ND ug/kg 21 72 Chlorobenzene ND ug/kg 11 35 Chloroethane ND 200 200 ug/kg Chloroform ND ug/kg 20 68 Chloromethane ND 14 48 ug/kg 2-Chlorotoluene ND ug/kg 11 37 4-Chlorotoluene ND 23 ua/ka 78 Dibromochloromethane ND 64 ug/kg 18 1.2-Dibromo-3-Chloropropane ND 24 79 ug/kg 1.2-Dibromoethane ND 19 65 ug/kg Dibromomethane ND ug/kg 21 71 1.2-Dichlorobenzene ND 19 63 ua/ka 1.3-Dichlorobenzene ND 14 50 ug/kg 1.4-Dichlorobenzene 17 58 ug/kg Dichlorodifluoromethane ND ug/kg 1 14 48 1,1-Dichloroethane ND 19 ug/kg 62 1,2-Dichloroethane ND ug/kg 21 66 1,1-Dichloroethene ND 71 ug/kg 21 cis-1,2-Dichloroethene ND ug/kg 16 53 trans-1,2-Dichloroethene 80 ND ug/kg 24 1.2-Dichloropropane ND 12 40 ug/kg 1,3-Dichloropropane ND 50 ug/kg 15 2.2-Dichloropropane ND 19 62 ug/kg ND 1.1-Dichloropropene ug/kg 14 49 15 51 cis-1.3-Dichloropropene ND ug/kg 11 trans-1,3-Dichloropropene ND ug/kg ា_ 15 51 Ethylbenzene ND 20 68 ug/kg Hexachlorobutadiene ND 23 76 ug/kg Isopropylbenzene ug/kg 20 70 p-Isopropyltoluene ND ug/kg 21 71 Methylene chloride ND ug/kg 14 46 79 Naphthalene ND 25 ug/kg n-Propylbenzene ND ug/kg 15 55 ortho-Xylene ND 23 80 ug/kg · ug/kg ND 19 66 Styrene 1.1.1.2-Tetrachloroethane ND 15 53 ug/kg 35 1,1,2,2-Tetrachloroethane ND ug/kg 11 22 77 Tetrachloroethene ND ug/kg ND 21 71 Toluene ug/kg 1.2,3-Trichlorobenzene ND 20 70 ug/kg 1,2,4-Trichlorobenzene ND ug/kg 23 79 ND 12 38 1.1.1-Trichloroethane ug/kg ND 1,1,2-Trichloroethane 24 80 ug/kg ND 23 78 Trichloroethene ug/kg

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Customer: URS Corporation (Madison)
Project Description: Robinson Cleaners
Project Title: 51279-002

Sample: 286362 Soil, Robin-12-15	Coll	lected: 07/12/02	Analyzeo	1: 07/22/02		
ANALYTE NAME	RES	SULT UNITS	S DIL	LOD	LOQ	
Trichlorofluoromethane	N	D ug/kg	1	16	54	
1,2,3-Trichloropropane	N	D ug/kg	1	16	55	
1,2,4-Trimethylbenzene	N	D ug/kg	1	20	70	
1,3,5-Trimethylbenzene	N	D ug/kg	1	11	39	
Vinyl chloride	N	D ug/kg	1	17	55	
meta,para-Xylene	, and the second	D ug/kg	1	39	130	
MTBE	i şiriya e N	D ug/kg	: i ; - 1 - : :	14	44	
Isopropyl Ether	1,45,445,465,10	D ug/kg	g (1) (1	16	53	
Dibromofluoromethane (SURR**)	. 10	6%				
Toluene-d8 (SURR**)		3%				
1-Bromo-4-Fluorobenzene (SURR**)	11	1%				

^{**} Surrogates are used to evaluate a method's Quality Control.



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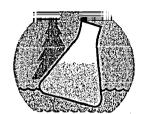
Customer: URS Corporation (Madison Project Description: Robinson Cleans	ers		(,		
Project Title: 51279-002	Template: SATS					
Sample: 286363 MeOH Blank	Collected: 07/12	2/02 A	Analyzed: 07	/22/02		
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Benzene	ND	ug/kg	1	15	50	
Bromobenzene	ND	ug/kg	- i	17	54	
Bromochloromethane	· ND	ug/kg	1	22	73	
Bromodichloromethane	ND	ug/kg	1	15	52	
Bromoform	ND		1	19	68	
Bromomethane	alija i ND . (1972)	ug/kg	1.5	200	200	
n-Butylbenzene	ND + /	ug/kg		22	72	
sec-Butylbenzene		ug/kg	1	21	68	
tert-Butylbenzene	ND ND	ug/kg		12	39	
Carbon Tetrachloride	ND ND	ug/kg	1	21	72	
Chlorobenzene	ND ND	ug/kg	1	11	35	
Chloroethane	ND ND	ug/kg	1	200	200	
Chloroform	ND	ug/kg	1	20	68	
Chloromethane	. Se SND ND ND ND N	ug/kg	1		48	
2-Chlorotoluene	ND	ug/kg	1		37	
4-Chlorotoluene		ug/kg			78	
Dibromochloromethane	ND ND	ug/kg	1 2	18	64	
1,2-Dibromo-3-Chloropropane 1,2-Dibromoethane	ND ND	ug/kg	-	24	79 65	
Dibromoethane	ND ND	ug/kg	1 1	19 21	65 71	
l,2-Dichlorobenzene		ug/kg	1	21 19	63	
I,3-Dichlorobenzene	ND ND	ug/kg ug/kg	1	19	50	
1,4-Dichlorobenzene	ND ND	ug/kg ug/kg		17	58	
Dichlorodifluoromethane	ND ND	ug/kg	1.7.1.1	14	48	
I,1-Dichloroethane		ug/kg	1	19	62	
1,2-Dichloroethane	ND		1	21	66	
1,1-Dichloroethene	ND	ug/kg	1 1	21	71	
sis-1,2-Dichloroethene	ND		42.1	16	53	
rans-1,2-Dichloroethene	, ND		11	24	80	
1,2-Dichloropropane	ND	ug/kg	. 1944 (1 <mark>.1</mark> 4. 4	12	40	
,3-Dichloropropane	ND	ug/kg	1 1	15	50	
2,2-Dichloropropane	ND ND				62	
1,1-Dichloropropene	ND	ug/kg	<u> </u>	14	49	
sis-1,3-Dichloropropene	ND		1		.51	
rans-1,3-Dichloropropene			<u> </u>	15	51	
Ethylbenzene	ND ND	ug/kg	. 16 (1 1		68	
-dexachlorobutadiene	ND ND		1.0	23 20		
sopropylbenzene	ND ND				70	
o-Isopropyltoluene	ND ND				71	
/lethylene chloride laphthalene	ND		1	25	46 79	
raprinaiene -Propylbenzene	ND ND	ug/kg ug/kg	1	<u>∠</u> 5 15	79 55	
rtho-Xylene	ND ND			23	80	
oruno-Ayrene Styrene	ND ND	ug/kg ug/kg		19	66	
,1,1,2-Tetrachloroethane	ND ND	ug/kg ug/kg	1	15	53	
1,1,2,2-Tetrachioroethane	ND	ug/kg		11	35	
Tetrachloroethene	ND ND	ug/kg	1	22	77	
Foluene	ND	ug/kg	<u>i</u>	21	71	
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70	
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79	
I,1,1-Trichloroethane	ND	ug/kg	1	12	38	
I,1,2-Trichloroethane	ND	ug/kg	1	24	80	
Frichloroethene	ND	ug/kg	1	23	78	

Page 20 of 20

Customer: URS Corporation (Madison)
Project Description: Robinson Cleaners
Project Title: 51279-002 Template: SATS

Sample: 286363 MeOH Blank	Collected: 07/12	2/02 Ana	lyzed: 07	/22/02		
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Trichlorofluoromethane	ND	ug/kg	1	16	54	
1,2,3-Trichloropropane	ND	ug/kg	1	16	55	
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70	
1,3,5-Trimethylbenzene	ND ND	ug/kg	1	11	39	
Vinyl chloride	ND granger	ug/kg	. 1	17	55	
meta,para-Xylene	a gala ND 4 June	ug/kg	1.	39	130	
MTBE	ND ND	ug/kg	1	14	44	
Isopropyl Ether	ND	ug/kg	1	16	53	
Dibromofluoromethane (SURR**)	97%		otija Pilipa			
Toluene-d8 (SURR**)	108%	etty Clar		A STATE OF THE STATE OF		
1-Bromo-4-Fluorobenzene (SURR**)	99%	(B) (B) (B)				

^{**} Surrogates are used to evaluate a method's Quality Control.



NORTHERN LAKE SERVICE. INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298 Tel: (715) 478-2777 • Fax: (715) 478-3060

^{NO.} 103805

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD Underground Storage Tank Projects Wisconsin Lab Cert. No. 721026460

RETURN THIS FORM WITH SAMPLES.												Εħ	NTER C	OTHER	PARA	METE	RS-CHI	ECK BE	LOW IF	FIELD) FILTE
CLIENT		PROJECT TITLE					-					7 /	7	7	7	7	7	/	7	7	7
URS		ROBINSO	<u>یر</u>	CLE	EANTR.	5] /-	_/_		/	-/-			-/-	-/	+
ADDRESS D. C. T	•	PROJECT NO.	.	_		QUOT	ATION N	0.				V	/ .	/	/		/	/	/	/	/
5250 E. TERRACE DR. STE I CITY STATE ZIP		51279-	<u> </u>	<u> </u>			1781				/	/ ,	/ /	/ ,	/	/ ,	/ ,	/ /	/ /	<i>'</i> /	/
CITY STATE ZIP W/ 537	اجزا	CONTACT DOB NA	SIL	۵		PHON	1E 3-24	1-5	-/~	1		/	/			′ /		/			
Generation control of						1 600					/\\$	\\/	/	/	/				/		
SAMPLE ID	DAT	OLLECTION E TIME	SA	MPLE YPE	GRO	PVOC	DRO	-80	DC	PAH	/ ×	\$/								/	/
286354 ROBIN - 2 (B')	7/12	2 0825	Sa.	14				X													
286355 Robin-8-12		1200		}																	
286356 Robin-3-Z		1215					-														
286357 Robin-4-15		1230														1					
286358 Robin - 6-4	17	1245																1			
286339 Robin - 9-15		130.9														1				i	
286360 Robin-10-8		1315							\prod												
286361 Robin-10-15 Ben	11	1330					/														
284362 Robin-12-15		1345		,												1					
asusus Trip Blank									,												
COLLECTED BY (signatures)					CUSTOD	Y SEAL NO	(IF ANY)	DAT	E/TIME		<u> </u>		REF	ORT	то		·			
osupu luli		<u> </u>												11							
RELINQUISHED BY (signature)	RECEI	VED BY (signature)					-	1/10	DAT	TE/TIME	30]]							
RELINQUISHED BY (signature)	DECE	VED BY (signature)						115/	OZ DAT	/ / ·		<u>) </u>		 							•
THE INCOMED BY (Signature)	NECEI	VED 61 (Signature)							DAI					ll .							ı
DISPATCHED BY (signature)	METHO	DD OF TRANSPOR	ī					-	DAT	E/TIME][ı
	· · · · · ·][
RECEIVED AT NLS BY (signature)	By By	ATTENTIME		7.0	و ازنیان	ONDITION					TE	MP.		INV	OICE	то					
Laren Gyter	2.73.0	1000	<u>ill</u>	<u>/ゴ:ˈ</u>	<u>(5 1</u>	470	Le.	23.						4)							
SÉAL INTACT? SEAL #		EMARKS & OTHER	LUI	HMAII M	FOR A	auger 1	CLA	٧	_ /	mE	THE	00									
SAMPLE TYPE GW-groundwater, WW-waste water, DW-	drinking w	ater, S=soil	<u>.</u>]							ĺ
Kenhem														<u> </u>							i

2. PLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE.

3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.

ORIGINAL COPY

4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

^{1.} TO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE SHIPPER CONTAINING THE SAMPLES DESCRIBED.

NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520

Ph: (715)-478-2777 Fax: (715)-478-3060

Client:

URS Corporation (Madison) Attn: Bob Nauta 5250 East Terrace Drive Madison,WI 53718

Robinson Cleaners Project:

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105 000330 EPA Laboratory ID No. WI00034

Printed: 09/10/02 Code: S

Page 1 of 2 68691

NLS Project:

NLS Customer: 91207

							
Soil/B-1 30' NLS ID: 290047 Ref. Line 1 COC 57056 Soil, B-1 30' Matrix: SO Collected: 08/23/02 09:50 Received: 08/30/02			ele ,				
Parameter Solids, total on solids VOCs (solid) by EPA 8260	Result: Ui 96.6 % see attached	and the first of t		OD LOQ .10*		Method ASTM D2216 SW846 8260	Lab 721026460 721026460
Soil, B-170' NLS ID: 290048 Ref. Line 2 COC 57056 Soil, B-1 70' Matrix: SO Collected: 08/23/02 11:30 Received: 08/30/02							
Parameter Solids, total on solids VOCs (solid) by EPA 8260	Result Ui 95.9 % see attached			00 LOQ 10*		Method ASTM D2216 SW846 8260	Lab 721026460 721026460
Soil, B-2 30 NLS ID: 290049 Ref. Line 3 COC 57056 Soil, B-2 30' Matrix: SO Collected: 08/26/02 14:00 Received: 08/30/02							
Parameter Solids, total on solids VOCs (solid) by EPA 8260	Result Ui 96.8 % see attached	nits		DD LOQ		Method ASTM D2216 SW846 8260	Lab 721026460 721026460
Soil, B-3 30 NLS ID: 290050 Ref. Line 4 COC 57056 Soil, B-3 30' Matrix: SO Collected: 08/21/02 14:10 Received: 08/30/02							
Notes: Noncompliance: Sample(s) received beyond EPA holding tim Parameter Solids, total on solids VOCs (solid) by EPA 8260				OD: LOQ .10*		Method ASTM D2216 SW846 8260	Lab 721026460 721026460
Soil, B-4 10' NLS ID: 290051 Ref. Line 5 COC 57056 Soil, B-4 10' Matrix: SO Collected: 08/21/02 11:30 Received: 08/30/02	oce auditor				03/03/02	3770-10 0200	121020400
Notes: Noncompliance: Sample(s) received beyond EPA holding tim Parameter Solids, total on solids VOCs (solid) by EPA 8260			1 . 0	OD LOQ 10*		Method ASTM D2216 SW846 8260	Lab 721026460 721026460
Soil, B-4 40° NLS ID: 290052 Ref. Line 6 COC 57056 Soil, B-4 40' Matrix: SO Collected: 08/21/02 11:55 Received: 08/30/02	A COURT OF THE STATE OF THE STA	o menganti tidak di sebagai penganti tidak di sebagai penganti tidak di sebagai penganti tidak di sebagai peng Penganti tidak di sebagai penganti tidak di sebagai penganti tidak di sebagai penganti tidak di sebagai pengan	한 경험 경험 기업 등 설립 현실 전략 기업 등 설립	maris Ori	09/03/02	C110-10 0200	121020400
Notes: Noncompliance: Sample(s) received beyond EPA holding time Parameter. Solids, total on solids	Result U 97.3 %	níts		OD LOQ .10*		ASTM D2216	Lab 721026460
VOCs (solid) by EPA 8260	see attached		_		09/09/02	SW846 8260	721026460

NORTHERN LAKE SERVICE INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060

Client:

URS Corporation (Madison)

Attn: Bob Nauta 5250 East Terrace Drive Madison,WI 53718

Robinson Cleaners Project:

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460

WDATCP Laboratory Certification No. 105 000330

EPA Laboratory ID No. WI00034

Printed: 09/10/02 Code: S

Page 2 of 2

NLS Project:

68691

NLS Customer:

91207

ŋ				1 10 10 10 10 10 10 10 10 10 10 10 10 10	
ı	SOIL	B-5-10	' NLS ID	r zonn	5700

Ref. Line 7 COC 57056 Soil, B-5 10' Matrix: SO Collected: 08/21/02 09:10 Received: 08/30/02

Notes: Noncompliance: Sample(s) received beyond EPA holding time for: % Solids.

Parameter Result

Solids, total on solids 96.4 VOCs (solid) by EPA 8260

see attached

Dilution LOD 0.10* LOQ

09/03/02

Analyzed Method **ASTM D2216** 09/09/02 SW846 8260

Lah 721026460 721026460

Soil, B-5 40' NLS ID: 290054

Ref. Line 8 COC 57056 Soil, B-5 40' Matrix: SO Collected: 08/21/02 09:35 Received: 08/30/02

Notes: Noncompliance: Sample(s) received beyond EPA holding time for: % Solids.

Parameter Solids, total on solids Result 97.2

Dilution LOD LOQ

Analyzed Method 09/03/02

Lab

VOCs (solid) by EPA 8260

see attached

0.10*

ASTM D2216 09/09/02 SW846 8260

721026460 721026460

MeOH Blank NLS ID: 290055

Ref. Line COC 57056 MeOH Blank Matrix: TB Collected: 08/21/02 00:00 Received: 08/30/02

Parameter

VOCs (solid) by EPA 8260

Résult Units see attached

Dilution LOD LOQ

Analyzed Method SW846 8260 09/09/02

Lab 721026460

Values in brackets represent results greater than the LOD but less than or equal to the LOQ and are within a region of "Less-Certain Quantitation". Results greater than the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits.

LOD = Limit of Detection

LOQ = Limit of Quantitation NA = Not Applicable

ND = Not Detected

%DWB = (mg/kg DWB) / 10000

1000 ug/L = 1 mg/L

Reviewed by:

Authorized by:

R. T. Krueger President

DWB = Dry Weight Basis MCL = Maximum Contaminant Levels for Drinking Water Samples

Page 1 of 18

Project Title: Template: SATS

Sample: 290047 Soil, B-1 30'	Collected: 08/23/02	Anal	yzed: 09/0	06/02			
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ		· · · · · · · · · · · · · · · · · · ·
Benzene	ND	ug/kg	1	15	50		•
Bromobenzene	ND	ug/kg	1	17	54		
Bromochloromethane	ND	ug/kg	1	22	73	i i	
Bromodichloromethane	. ND	ug/kg	1	15	52		
Bromoform	ND	ug/kg	1	19	68		•
Bromomethane	ND	ug/kg	- N-1	200	200		
n-Butylbenzene	ND	ug/kg	1	22	72		
sec-Butylbenzene	ND	ug/kg	1	21	68		
tert-Butylbenzene	ND		1	12	39		
Carbon Tetrachloride	ND	ug/kg	1	21	72		
Chlorobenzene	** ND	ug/kg	1	11	35		
	ND	ug/kg	1	200	200		
Chloroform	ND ND	ug/kg	1	20	68		
Chloromethane	ND	ug/kg	1 55		48		
2-Chlorotoluene	, ND	ug/kg	1	11	37		
4-Chlorotoluene	ND	ug/kg	1	23	78		
Dibromochloromethane	ND	ug/kg	1	18	64		
1,2-Dibromo-3-Chloropropane	ND .	ug/kg	1	24	79		
1,2-Dibromoethane	ND	ug/kg	1	19	65		
Dibromomethane	ND:	ug/kg	1	21	71		
1,2-Dichlorobenzene	ND	ug/kg	1	19	63		
1,3-Dichlorobenzene	ND	ug/kg	1	14	50		
1,4-Dichlorobenzene	ND	ug/kg	1	17	58		
Dichlorodifluoromethane	ND	ug/kg	24/11/2 Sec	14	48		
1,1-Dichloroethane	ND ND	ug/kg		19	62		
1,2-Dichloroethane	ND	ug/kg	111	21	66		
1,1-Dichloroethene	ND	ug/kg	74. 1 (1.1)	21	71		
cis-1,2-Dichloroethene	ND	ug/kg	1	16	53		
trans-1,2-Dichloroethene	ND	ug/kg	100 1 00 0	24	80		
1,2-Dichloropropane	ND	ug/kg	1	12	40		
1,3-Dichloropropane	ND	ug/kg	1	15	50		
2,2-Dichloropropane	ND	ug/kg	. 1	19			
1,1-Dichloropropene	ND	ug/kg	100 1 00 C.	14	49		
cis-1,3-Dichloropropene	ND	ug/kg	1/1/19		51		
trans-1,3-Dichloropropene	ND ND	ug/kg	44.2 1 ////	15	51		
	ND ND	ug/kg	1 1 1		68		
Hexachlorobutadiene	ND	ug/kg	88 4 8	23	76		
Isopropylbenzene	ND	ug/kg	1		70		
p-Isopropyltoluene	ND	ug/kg	7.54 1 1.54.	21	71		
Methylene chloride	ND	ug/kg	1.1	14	46		
Naphthalene	ND	ug/kg	1	25	79		
n-Propylbenzene	ND	ug/kg	1	15	55		
ortho-Xylene	ND	ug/kg	1	23	80		
Styrene	ND	ug/kg	1	19	66		
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53		
1.1,2,2-Tetrachloroethane	ND	ug/kg	i	11	35		
Tetrachloroethene	[27]	ug/kg	<u>i</u>	22	77		
Toluene	ND ND	ug/kg	<u> </u>	21	71		
1.2.3-Trichlorobenzene	ND	ug/kg	i	20	70		
1,2,4-Trichlorobenzene	ND	ug/kg	<u>i</u>	23	79		
1,1,1-Trichloroethane	ND ·	ug/kg	<u>i</u>	12	38		
1,1,2-Trichloroethane	ND	ug/kg	i	24	80		
Trichloroethene	ND		1	23	78		

ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Page 2 of 18

Project Title: Template: SATS

Collected: 08/	23/02 A	nalyzed: 09/	06/02		
RESULT	UNITS	DIL	LOD	LOQ	
ND	ug/kg	1	16	54	
ND	ug/kg	1	16	55	
ND	ug/kg	1	20	70	
· ND	ug/kg	1	11	39	
ND .	ug/kg	1	17	55	
ND	ug/kg	1	39	130	
ND	ug/kg	9/35.1.1 1 .1.1.1	14	44	
ND **	ug/kg	1	16	53	
96%			PRODUCT TO THE REAL PROPERTY.		
101%		The second second			
88%		- 1			777
	RESULT ND ND ND ND ND ND ND ND ND N	RESULT UNITS ND ug/kg ND ug/kg ND ug/kg ND ug/kg ND ug/kg ND ug/kg ND ug/kg ND ug/kg ND ug/kg 96% 101%	RESULT UNITS DIL ND ug/kg 1 ND ug/kg 1 ND ug/kg 1 ND ug/kg 1 ND ug/kg 1 ND ug/kg 1 ND ug/kg 1 ND ug/kg 1 96% 101% 88%	RESULT UNITS DIL LOD ND ug/kg 1 16 ND ug/kg 1 16 ND ug/kg 1 20 ND ug/kg 1 11 ND ug/kg 1 17 ND ug/kg 1 39 ND ug/kg 1 14 ND ug/kg 1 16 96% 101% 88%	RESULT UNITS DIL LOD LOQ ND ug/kg 1 16 54 ND ug/kg 1 16 55 ND ug/kg 1 20 70 ND ug/kg 1 11 39 ND ug/kg 1 17 55 ND ug/kg 1 39 130 ND ug/kg 1 14 44 ND ug/kg 1 16 53 96% 101% 88%

^{**} Surrogates are used to evaluate a method's Quality Control.

ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Project Title:

Temp!-1

ample: 290048 Soil, B-1 70'	Collected: 08/23/02		lyzed: 09/0	06/02		
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Benzene	ND	ug/kg	1	15	50	
romobenzene	ND	ug/kg	1	17	54	
romochloromethane	ND	ug/kg	1	22	73	
romodichloromethane	· ND	ug/kg	1	15	52	
romoform	ND ND	ug/kg	1	19	68	
romomethane	ND ND	ug/kg	1	200	200	
Butylbenzene	ND ND	ug/kg	1	22	72	
ec-Butylbenzene	ND	ug/kg	1	21	68	
rt-Butylbenzene	ND		1	12	39	
arbon Tetrachloride	ND	ug/kg	Y.54. 1 477.15	21	72	Action Security Secur
hlorobenzene	ND	ug/kg	1	11	35	
hloroethane	ND ND	ug/kg	1		200	
hloroform	ND.	ug/kg	1	20	68	
hloromethane	ND.	ug/kg	1	14	48	were a second of the first of the registrating and a second of the secon
Chlorotoluene	ND ND	ug/kg	1	11	37	
Chlorotoluene	ND:	ug/kg	1 33	23	78	
bromochloromethane	ND	ug/kg	1	18	64	
2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79	
2-Dibromoethane	ND	ug/kg	1	19	65	
bromomethane	ND	ug/kg	1	21	71	
2-Dichlorobenzene	ND	ug/kg	1	19	63	
3-Dichlorobenzene	ND	ug/kg	<u>i</u>	14	50	
4-Dichlorobenzene	ND	ug/kg	1 3	17	58	
chlorodifluoromethane	ND ND	ug/kg		14	48	Action to the second se
I-Dichloroethane	ND:	ug/kg	1	19	62	
2-Dichloroethane	ND	ug/kg	1	21	66	
1-Dichloroethene	ND ND	ug/kg	1	21	71	
s-1,2-Dichloroethene	ND ND	ug/kg	1	16	53	
ins-1,2-Dichloroethene	ND ND		1	24	80	
2-Dichloropropane	ND	ug/kg		12	40	
3-Dichloropropane	ND		1		50	
2-Dichloropropane	ND		1		62	was and the state of the state
1-Dichloropropene	ND	ug/kg	60-31 1 -670X	14	49	
s-1,3-Dichloropropene	ND		3011 S	15	51	
ans-1,3-Dichloropropene	ND	ug/kg	1	15	51	
hylbenzene	ND		1	20	68	
exachlorobutadiene	ND		N. 1.		76	
ppropylbenzene	ND	ug/kg	1		70	
sopropyltoluene	ND ND		4.			
ethylene chloride	ND	ug/kg	14	14	46	
aphthalene	ND ND	ug/kg	- 1	25	79	
Propylbenzene	ND ND	ug/kg		15	55	
tho-Xylene	ND ND	ug/kg		23	80	
yrene	ND ND	ug/kg	1	19	66	
1,1,2-Tetrachloroethane	ND ND	ug/kg		15	53	
1,2,2-Tetrachloroethane	ND ND	ug/kg ug/kg		11	35	
t,2,2-Tetrachioroethane	ND ND	ug/kg ug/kg		22	77	
bluene	ND ·	ug/kg	-	21	71	
2,3-Trichlorobenzene	ND ND	ug/kg ug/kg	1	20	70	
2,4-Trichlorobenzene	ND ND	ug/kg		23	79	
2,4-17/Chlorobenzerie 1.1-Trichloroethane	ND ND	ug/kg		12	38	
1,1-Trichloroethane	ND	ug/kg ug/kg	1	24	80	
ichloroethene	ND ND	ug/kg ug/kg	-	23	78	

ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Page 4 of 18

Project Title: Template: SATS

Sample: 290048 Soil, B-1 70'	Collected: 08/23/02	2 Ana	lyzed: 09/0	06/02		
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Trichlorofluoromethane	. ND	ug/kg	1	16	54	
1,2,3-Trichloropropane	ND	ug/kg	1	16	55	-
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70	
1,3,5-Trimethylbenzene	ND_	ug/kg	1	11	39	
Vinyl chloride	ND ND	ug/kg	. 1	17	55	
meta,para-Xylene	ND ND	ug/kg	1	39	130	
MTBE	ND ND	ug/kg	1	14	44	
Isopropyl Ether	ND:	ug/kg	1	16	53	
Dibromofluoromethane (SURR**)	103%					
Toluene-d8 (SURR**)	107%					
1-Bromo-4-Fluorobenzene (SURR**)	93%					

^{**} Surrogates are used to evaluate a method's Quality Control.

Page 5 of 18

ANALYTE NAME	Sample: 290049 Soil, B-2 30'	Collected: 0	· .	nalyzed: 09	0/06/02		
Bromochbornethane							
Bromodibinomethane							
Bromodem							
Bromomethane			ug/kg	1			
Promomehane							
Fully blanzene							
Sec-Bulybenzene NO			ug/kg	. 1			
Inter-But/Denzene				1			
Carbon Tetrachloride			ug/kg	1	21		
Chlorobenzene			ug/kg	1			
Chlorochane				1			
Chloroform			ug/kg	11			
Chloromethane							
2-Chierotoluene							
4-Chiorotoluene ND							
Dibromochloromethane						37	
1,2-Dibromo-S-Chloropropane							
1.2-Dibromoethane							
Dibromomethane							
1,2-Dichlorobenzene					19	65	
1,3-Dichlorobenzene							
1,4-Dichlorobenzene							
Dichlorodifluoromethane	<u> </u>		ug/kg	1			
1,1-Dichloroethane		ND ND	ug/kg	1	17	58	
1_2-Dichloroethane							
1,1-Dichloroethene			ug/kg				
cis-12-Dichloroethene ND ug/kg 1 16 53 trans-12-Dichloroethene ND ug/kg 1 24 80 1,2-Dichloropropane ND ug/kg 1 12 40 1,3-Dichloropropane ND ug/kg 1 15 50 2,2-Dichloropropane ND ug/kg 1 19 62 1,1-Dichloropropene ND ug/kg 1 14 49 cis-1,3-Dichloropropene ND ug/kg 1 15 51 trans-1,3-Dichloropropene ND ug/kg 1 15 51 Ethylenzene ND ug/kg 1 15 51 Ethylenzene ND ug/kg 1 20 68 Hexachlorobutadiene ND ug/kg 1 20 68 Hexachlorobutadiene ND ug/kg 1 20 70 p-Isopropyltoluene ND ug/kg 1 20 70			ug/kg	1		66	
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ortho-Xylene ND ug/kg 1 23 80 Styrene ND ug/kg 1 19 66 1,1,2-Tetrachloroethane ND ug/kg 1 15 53 1,1,2-Tetrachloroethane ND ug/kg 1 11 35 Tetrachloroethane [54] ug/kg 1 22 77 Toluene ND ug/kg 1 21 71 1,2,3-Trichlorobenzene ND ug/kg 1 20 70 1,2,4-Trichlorobenzene ND ug/kg 1 23 79 1,1,1-Trichloroethane ND ug/kg 1 12 38							
1,1,2-Tetrachloroethane ND ug/kg 1 15 53 1,1,2,2-Tetrachloroethane ND ug/kg 1 11 35 Tetrachloroethene [54] ug/kg 1 22 77 Toluene ND ug/kg 1 21 71 1,2,3-Trichlorobenzene ND ug/kg 1 20 70 1,2,4-Trichlorobenzene ND ug/kg 1 23 79 1,1,1-Trichloroethane ND ug/kg 1 12 38	ortho-Xylene			1			
1,1,2,2-Tetrachloroethane ND ug/kg 1 11 35 Tetrachloroethene [54] ug/kg 1 22 77 Toluene ND ug/kg 1 21 71 1,2,3-Trichlorobenzene ND ug/kg 1 20 70 1,2,4-Trichlorobenzene ND ug/kg 1 23 79 1,1,1-Trichloroethane ND ug/kg 1 12 38				1			
Tetrachloroethene [54] ug/kg 1 22 77 Toluene ND ug/kg 1 21 71 1,2,3-Trichlorobenzene ND ug/kg 1 20 70 1,2,4-Trichlorobenzene ND ug/kg 1 23 79 1,1,1-Trichloroethane ND ug/kg 1 12 38	1,1,1,2-Tetrachloroethane						
Tetrachloroethene [54] ug/kg 1 22 77 Toluene ND ug/kg 1 21 71 1,2,3-Trichlorobenzene ND ug/kg 1 20 70 1,2,4-Trichlorobenzene ND ug/kg 1 23 79 1,1,1-Trichloroethane ND ug/kg 1 12 38	1,1,2,2-Tetrachioroethane		ug/kg		11		
1,2,3-Trichlorobenzene ND ug/kg 1 20 70 1,2,4-Trichlorobenzene ND ug/kg 1 23 79 1,1,1-Trichloroethane ND ug/kg 1 12 38	Tetrachloroethene						
1,2,4-Trichlorobenzene ND ug/kg 1 23 79 1,1,1-Trichloroethane ND ug/kg 1 12 38							
1,1,1-Trichloroethane ND ug/kg 1 12 38							
L-1							
1.1.2 Trichloroothane ND ualka 1 24 80				1			
	1,1,2-Trichloroethane	ND	ug/kg	1	24	80	
Trichloroethene ND ug/kg 1 23 78	Trichloroethene	ND	ug/kg	1	23	78	

ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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NLS Project: 68691

Customer: URS Corporation (Madison)
Project Description: Robinson Cleaners

Project Title: Template: SATS

Sample: 290049 Soil, B-2 30'	Collected: 08/26/02	Ana	lyzed: 09/	06/02		
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Trichlorofluoromethane	ND	ug/kg	1	16	54	***************************************
1,2,3-Trichloropropane	ND	ug/kg	1	16	55	
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70	
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39	
Vinyl chloride	ND.	ug/kg	. 1	17	55	
meta,para-Xylene	ND ND	ug/kg	1	39	130	
MTBE	ND ND	ug/kg	1	14	44	
Isopropyl Ether	ND	ug/kg	. 1	16	53	
Dibromofluoromethane (SURR**)	100%					
Toluene-d8 (SURR**)	97%	4.73% L	5 - 1- <u>5</u> 4-5 <u></u>			
1-Bromo-4-Fluorobenzene (SURR**)	83%	514.5	٠			

^{**} Surrogates are used to evaluate a method's Quality Control.

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Project Title: Template: SATS

Sample: 290050 Soil, B-3 30'	Collec	ted: 08/21/	02 Analy	zed: 09/0	09/02				
ANALYTE NAME		RESULT	UNITS	DIL	LOD	LOQ			
Benzene		ND _	ug/kg	1	15	50			
Bromobenzene		ND	ug/kg	1	17	54			
Bromochloromethane		ND	ug/kg	1	22	73			
Bromodichloromethane		ND	ug/kg	1	15	52			
Bromoform		ND		1	19	68			
Bromomethane		ND	ug/kg	1	200	200			
n-Butylbenzene		ND		1.00	22	72			
sec-Butylbenzene			<u>ug/ng</u>	耳(1 フ・類)		68			
tert-Butylbenzene		⇒ ND	ug/kg		12	39			
Carbon Tetrachloride		ND	ug/kg	1	21	72			
Chlorobenzene		ND	ug/kg		11	35			
Chloroethane		ND ND	ug/kg		200	200			
Chloroform		ND	ug/kg	1		68			
Chloromethane		⊬ND:	ug/kg		14	48			
2-Chlorotoluene 4-Chlorotoluene		ND ND	ug/kg	1 18: 1 2 3 3		37			
Dibromochloromethane		ND ND	ug/kg ug/kg	1	23 18	78 			
1,2-Dibromo-3-Chloropropane		ND	ug/kg ug/kg	1	24	64 79			
1,2-Dibromoethane		ND ND	ug/kg	1	19	65			
Dibromomethane		ND ND	ug/kg ug/kg		21	71			
1,2-Dichlorobenzene		ND	ug/kg	1	19	63			
1,3-Dichlorobenzene		ND	ug/kg	1	14	50			
1,4-Dichlorobenzene		ND	ug/kg	1	17	58			
Dichlorodifluoromethane		ND	ug/kg	1	14	48			
1,1-Dichloroethane		ND	ug/kg	1		62			
1,2-Dichloroethane		ND	ug/kg	KN 1 2 P	21	66			
1,1-Dichloroethene		ND		1	21	71			
cis-1,2-Dichloroethene		ND		1000	16	53			
trans-1,2-Dichloroethene		ND	ug/kg	11.	24	80			
1,2-Dichloropropane		ND	ug/kg	1	12	40			
1,3-Dichloropropane		ND	ug/kg	25 1 25 2 3	15	50			
2,2-Dichloropropane		ND	ug/kg	Ne 1 100	19	62			
1,1-Dichloropropene		ND	ug/kg	\$5. 4 5.55	. 14	49			
cis-1,3-Dichloropropene		ND	ug/kg	원원 1 3명원	15	-61 6 51			
trans-1,3-Dichloropropene		ND	ug/kg	191 4 (1994)	15	51			
Ethylbenzene	11 10 14 14 14 14 14 14 14 14 14 14 14 14 14	ND		235 1 FF 7	20	68			
Hexachlorobutadiene		ND		and the same of		76			
Isopropylbenzene		ND	-3.3	. 1		70			
p-Isopropyltoluene		ND	3.1.3	(10) 1 (10)	3 July 20 July 20 To 1944 July 20 July	71			•
Methylene chloride				% % <u>¶ 1 _ </u>	14	46			
Naphthalene		ND	ug/kg		25	79			
n-Propylbenzene	American Committee Committ	ND	ug/kg		15	55			
ortho-Xylene		ND	ug/kg		23	80			
Styrene		ND	ug/kg	1	19	66			
1,1,1,2-Tetrachloroethane		ND	ug/kg		15	53			
1,1,2,2-Tetrachloroethane		ND	ug/kg		11	35	 ·		
Tetrachloroethene Teluppe		[36]	ug/kg	1	22	77 71			
Toluene		ND ND	ug/kg		21 20	70			
1,2,3-Trichlorobenzene		ND ND	ug/kg	1	23	70 79			
1,2,4-Trichlorobenzene		ND ND	ug/kg	1	<u>23</u> 12				
1,1,2-Trichloroethane		ND UND	ug/kg	1	24	80			
		ND ND	ug/kg	1	23	60 78			
Trichloroethene		אט	ug/kg	<u>'</u>		10			

ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Project Title:

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Sample: 290050 Soil, B-3 30'	Collected: 08/21/0	2 Anal	lyzed: 09/0	09/02		
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Trichlorofluoromethane	74	ug/kg	1	16	54	
1,2,3-Trichloropropane	ND	ug/kg	1	16	55	
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70	
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39	
Vinyl chloride	ND: Aug 484	ug/kg	. 1	17	55	
meta,para-Xylene	ND.	ug/kg	11111	39	130	
MTBE		ug/kg	1.	14	44	
Isopropyl Ether	ND	ug/kg	1	16	53	
Dibromofluoromethane (SURR**)	97%					
Toluene-d8 (SURR**)	106%					
1-Bromo-4-Fluorobenzene (SURR**)	108%					

^{**} Surrogates are used to evaluate a method's Quality Control.

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Template: SATS Project Title:

Sample: 290051 Soil, B-4 10'	Collected: 08/2		alyzed: 09/	/09/02				
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ			
Benzene	ND ND	ug/kg	1	15	50			
Bromobenzene	ND	ug/kg	1	17	54			
Bromochloromethane	· ND	ug/kg	. 1	22	73			•
Bromodichloromethane	ND	ug/kg	1	15	52			
Bromoform	ND .	ug/kg	1	19	68			
Bromomethane	ND 1	ug/kg	1	200	200			
n-Butylbenzene		ug/kg	1 1 1	22	72			
sec-Butylbenzene	∜ ND	ug/kg	1	21	68			
tert-Butylbenzene	ND ND	ug/kg	1	12	39			
Carbon Tetrachloride	ND	ug/kg	1	21	72			
Chlorobenzene	ND	ug/kg	1	11	35			
Chloroethane	ND ND	ug/kg	1	200	200			
Chloroform	ND	ug/kg	1	20	68			
Chloromethane	ND.	ug/kg	1	14	48			•
2-Chlorotoluene	ND	ug/kg	1	11	37			
4-Chlorotoluene	ND ND	ug/kg	1	23	78			
Dibromochloromethane	ND ND	ug/kg	1	18	64			
1,2-Dibromo-3-Chloropropane	ND ND	ug/kg	1	24	79		•	
1,2-Dibromoethane	ND ND	ug/kg	1	19	65			
Dibromomethane	ND ND	ug/kg	1	21	71			
1,2-Dichlorobenzene	ND	ug/kg	1	19	63			
1,3-Dichlorobenzene	ND	ug/kg	1	14	50			
1,4-Dichlorobenzene	ND ND	ug/kg	1	17	58			
Dichlorodifluoromethane	ND ND	ug/kg	1	14	48	ĺ		
1,1-Dichloroethane		ug/kg	1	10	62			
1,2-Dichloroethane	ND	ug/kg	1	21	66			
1,1-Dichloroethene	ND	ug/kg	1	21	71			
cis-1,2-Dichloroethene	ND ND	ug/kg		16	53			
trans-1,2-Dichloroethene	ND ND	ug/kg		24	80			
1,2-Dichloropropane	ND	ug/kg	. 1	12	40			
1,3-Dichloropropane	ND ND	ug/kg	1	15	50			
2,2-Dichloropropane	ND	ug/kg	1	19	62			
1,1-Dichloropropene	ND	ug/kg	1 1	14	49			
cis-1,3-Dichloropropene	ND	ug/kg	1	15	51			
trans-1,3-Dichloropropene	ND ND	ug/kg	1	15	51			
Ethylbenzene	ND	ug/kg	1000	20	68			
Hexachlorobutadiene	ND ND		34 m3 1837	23	76			
Isopropylbenzene	ND	ug/kg	.93. 1 9.9	20	70			
p-Isopropyltoluene		ug/kg	- 1-20 1 2-34	The state of the s	71			
Methylene chloride		ug/kg	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14	46			
Naphthalene	ND	ug/kg	11	25	79			
n-Propylbenzene	ND_	ug/kg	<u> </u>	15	55		•	
ortho-Xylene	ND	ug/kg	11	23	80			
Styrene	ND ND	ug/kg	1	19	66			
1,1,1,2-Tetrachloroethane	ND ND	ug/kg	1	15	53			
1,1,2,2-Tetrachloroethane	ND ND	ug/kg	1	11	35			
Tetrachloroethene	[39]	ug/kg	1	22	77			
Toluene	ND ND	ug/kg	1	21	71			
1,2,3-Trichlorobenzene	ND	ug/kg		20	70			
1,2,4-Trichlorobenzene	ND ND	ug/kg	1	23	79	<u>.</u>		
1,1,1-Trichloroethane	ND ND	ug/kg	1	12	38			
1,1,2-Trichloroethane	ND_	ug/kg		24	80			
Trichloroethene	ND	ug/kg	11	23	78			

ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

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Project Title: Template: SATS

Sample: 290051 Soil, B-4 10'	Collected: 08/21/0	2 Anal	yzed: 09/0	09/02		
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Trichlorofluoromethane	60	ug/kg	1	16	54	
1,2,3-Trichloropropane	ND	ug/kg	1	16	55	
1,2,4-Trimethylbenzene	· ND	ug/kg	1	20	70	
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39	
Vinyl chloride	ND 30 30 30	ug/kg	1	17	55	
meta,para-Xylene	ND THE SE	ug/kg	1	39	130	
MTBE	ND,	ug/kg	S /61 S X	14	44	
Isopropyl Ether	ND ND	ug/kg	1	16	53	
Dibromofluoromethane (SURR**)	-98%			1 1 1 2 3		
Toluene-d8 (SURR**)	108%					
1-Bromo-4-Fluorobenzene (SURR**)	104%	147,481				

^{**} Surrogates are used to evaluate a method's Quality Control.

Customer: URS Corporation (Madison)
Project Description: Robinson Cleaners
Project Title: Templ

Template: SATS

Sample: 290052 Soil, B-4 40'	Collected: 08/21/02	Ana	lyzed: 09/0	9/02			
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ		
Benzene	ND	ug/kg	1	15	50		
Bromobenzene	ND .	ug/kg	1	17	54		*
Bromochloromethane	ND	ug/kg	1	22	73		
Bromodichloromethane	ND .	ug/kg	1	15	52		
Bromoform	ND	ug/kg	1	19	68		
Bromomethane	ND	ug/kg	1	200	200		
n-Butylbenzene	ND ND	ug/kg	1	22	72		
sec-Butylbenzene	ND	ug/kg	1	21	68		
tert-Butylbenzene	ND ND	ug/kg	1	12	39		
Carbon Tetrachloride	ND	ug/kg	1	21	72		
Chlorobenzene	ND	ug/kg	1	11	35		
Chloroethane	ND	ug/kg	1	200	200		
Chloroform	ND	ug/kg	1	20	68		
Chloromethane	ND.	ug/kg	1		48		
2-Chlorotoluene	ND	ug/kg	1	11	37		
4-Chlorotoluene	ND	ug/kg	1	23	78		
Dibromochloromethane	ND	ug/kg	1	18	64		
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79	-	
1,2-Dibromoethane	ND	ug/kg		19	65		
Dibromomethane	ND ND	ug/kg	1	21	71		
1,2-Dichlorobenzene	ND	ug/kg	1	19	63		
1,3-Dichlorobenzene	ND	ug/kg	1		50		
1,4-Dichlorobenzene	ND ND	ug/kg		17	58 48		
Dichlorodifluoromethane 1,1-Dichloroethane	ND ND	ug/kg	1	14 19	48 62		
		ug/kg	1	21			•
1,1-Dichloroethene	ND - ND	ug/kg ug/kg	1	21	66		
cis-1,2-Dichloroethene	ND	ug/kg ug/kg	1	16	71 53		
trans-1,2-Dichloroethene	ND ND	ug/kg	10.11	24	80		
1,2-Dichloropropane	ND	ug/kg	1	12	40		
1,3-Dichloropropane		ug/kg	1.	15	50		
	ND STATE	ug/kg	1	19	62		
1,1-Dichloropropene	ND	ug/kg	100	14	49		
	ND	ug/kg	1	15	51		
trans-1,3-Dichloropropene	ND	ug/kg	3 2 3 4 1 3 1 4 2 1 3	15	51		
Ethylbenzene	ND	ug/kg	[2015] 1 (314)	20	68		
Hexachlorobutadiene	ND	ug/kg	100 m	23	76		
Isopropylbenzene	ND	ug/kg	1		70		
p-Isopropyltoluene	ND ND		578 1 36 84		71		
Methylene chloride	ND	ug/kg	77.7	14	46		
Naphthalene	ND	ug/kg	1	25	79		
n-Propylbenzene	ND	ug/kg	1	15	55		
ortho-Xylene	ND	ug/kg	1	23	80		
Styrene	ND	ug/kg	1	19	66		
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53		
1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35		
Tetrachloroethene	[26]	ug/kg	11	22	77		
Toluene	ND	ug/kg	1	21	71		
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70		
1,2,4-Trichlorobenzene	ND	ug/kg	11	23	79		
1,1,1-Trichloroethane	ND ND	ug/kg	11	12	38		
1,1,2-Trichloroethane	ND	ug/kg	1	24	80		
Trichloroethene	ND	ug/kg	1	23	78		

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Customer: URS Corporation (Madison)

Project Description: Robinson Cleaners

Template: SATS Project Title:

Sample: 290052 Soil, B-4 40'	Collected: 08/21/02	An	alyzed: 09/0	09/02		
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Trichlorofluoromethane	140	ug/kg	1	16	54	
1,2,3-Trichloropropane	ND	ug/kg	1	16	55	
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70	
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39	
Vinyl chloride	ND	ug/kg	1	17	55	
meta,para-Xylene	ND	ug/kg	1	39	130	,
MTBE	ND	ug/kg	1	14	44	
Isopropyl Ether	ND	ug/kg	1	16	53	
Dibromofluoromethane (SURR**)	103%					
Toluene-d8 (SURR**)	111%					*********
1-Bromo-4-Fluorobenzene (SURR**)	108%	177				-

^{**} Surrogates are used to evaluate a method's Quality Control.

ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Project Title: Template: SATS

Sample: 290053 Soil, B-5 10'	Collected: 08/21/0	2 Anal	yzed: 09/0	09/02		
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
nzene	ND	ug/kg	1	15	50	
omobenzene	ND	ug/kg	1	17	54	
omochloromethane	ND	ug/kg	1	22	73	
omodichloromethane	ND	ug/kg	1	15	52	
omoform	ND	ug/kg	1	19	68	
romomethane	ND	ug/kg	1	200	200	
-Butylbenzene	ND	ug/kg	1	22	72	
ec-Butylbenzene	ND	ug/kg	1	21	68	
ert-Butylbenzene	ND	ug/kg	1	12	39	
Carbon Tetrachloride	ND	ug/kg	1	21	72	
hlorobenzene	ND	ug/kg	1	11	35	
Chloroethane	ND	ug/kg	1	200	200	
hloroform	ND	ug/kg	1	20	68	
hloromethane	ND:	ug/kg	1	14	48	
-Chlorotoluene	ND	ug/kg	1	11	37	
Chlorotoluene	ND	ug/kg	1	23	78	
ibromochloromethane	ND	ug/kg	1	18	64	
2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79	
2-Dibromoethane	ND	ug/kg	1	19	65	
bromomethane	ND	ug/kg	1	21	71	
2-Dichlorobenzene	ND	ug/kg	1	19	63	
3-Dichlorobenzene	ND	ug/kg	1	14	50	
4-Dichlorobenzene	ND	ug/kg	1	17	58	
ichlorodifluoromethane	ND	ug/kg	- 1	14	48	
1-Dichloroethane	ND	ug/kg	1.1	19	62	
2-Dichloroethane	ND	ug/kg	1	21	66	
1-Dichloroethene	ND	ug/kg	1001	21	71	
s-1,2-Dichloroethene	ND	ug/kg	1	16	53	
ans-1,2-Dichloroethene	ND	ug/kg	1	24	80	
2-Dichloropropane	ND	ug/kg	1	12	40	
3-Dichloropropane	ND	ug/kg	- 1 1 × 1 ×	15	50	
,2-Dichloropropane	ND	ug/kg	1	19	62	
,1-Dichloropropene	ND	ug/kg	1	14	49	
s-1,3-Dichloropropene	ND	ug/kg	1	15	51	
ans-1,3-Dichloropropene	ND	ug/kg	1	15	51	
hylbenzene	ND	ug/kg	11.1	20	68	
exachlorobutadiene	ND	ug/kg	1	23	76	
propylbenzene	ND	ug/kg	. 1	20	70	
Isopropyltoluene	ND	ug/kg	1	21	71	
ethylene chloride	ND	ug/kg	1994	14	46	
aphthalene	ND	ug/kg	1	25	79	
Propylbenzene	ND	ug/kg	1	15	55	
tho-Xylene	ND	ug/kg	1	23	80	
tyrene	ND	ug/kg	1	19	66	
1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53	
1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35	
etrachloroethene	[65]	ug/kg	1	22	77	
pluene	ND	ug/kg	1	21	71	
2,3-Trichlorobenzene	ND	ug/kg	1	20	70	
2,4-Trichlorobenzene	ND	ug/kg	1	23	79	
1,1-Trichloroethane	ND	ug/kg	1	12	38	
1,2-Trichloroethane	ND	ug/kg	1	24	80	
chloroethene	ND	ug/kg	1	23	78	

ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

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Project Title: Template: SATS

Sample: 290053 Soil, B-5 10'	Collected: 08/21/0	2 Anal	yzed: 09/	09/02		
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Trichlorofluoromethane	. 87	ug/kg	1	16	54	
1,2,3-Trichloropropane	ND	ug/kg	1	16	55	
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70	
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39	· · · · · · · · · · · · · · · · · · ·
Vinyl chloride	ND years and	ug/kg	1	17	55	
meta,para-Xylene	ND ND	ug/kg	- 1	39	130	
MTBE	goden and ND en each a	ug/kg	14 - 1 2 - 14	14	44	
Isopropyl Ether	, ND	ug/kg	1	16	53	
Dibromofluoromethane (SURR**)	105%					
Toluene-d8 (SURR**)	111%	13 40)				
1-Bromo-4-Fluorobenzene (SURR**)	105%	North	3.50			

^{**} Surrogates are used to evaluate a method's Quality Control.

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Customer: URS Corporation (Madison)
Project Description: Robinson Cleaners
Project Title: Templ

Sample: 290054 Soil, B-5 40'	Collected: 08/21/	02 Ana	dyzed: 09/0	09/02	·	
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
nzene	ND	ug/kg	1	15	. 50	
omobenzene	ND	ug/kg	1	17	54	
mochloromethane	ND	ug/kg	1	22	73	
omodichloromethane	ND	ug/kg	1	15	52	
omoform	ND	ug/kg	1	19	68	
momethane	ND ND	ug/kg	1	200	200	
Butylbenzene	ND ·	ug/kg	1 1	. 22	72	
c-Butylbenzene	ND ND	ug/kg	1. 1.	21	68	
rt-Butylbenzene	ND ND	ug/kg	1. 15. 3 1 7 5. 3 4	12	39	
arbon Tetrachloride	ND ND	ug/kg	300 (1 00 54)	21	72	
lorobenzene	ND	ug/kg	1	11	35	
hioroethane	ND	ug/kg	1 45	200	200	
hloroform	ND ND	ug/kg	1	20	68	
hloromethane	ND ND	ug/kg	1	14	48	
-Chlorotoluene	ND	ug/kg	1 474	11	37	
-Chiorotoluene	ND.	ug/kg	1 (8.3	23	78	
Dibromochloromethane	ND.		1 %	18	64	
,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79	
2-Dibromoethane	ND	ug/kg	1	19	65	
bromomethane	ND ND	ug/kg	1 (8)	21	71	
2-Dichlorobenzene	ND:	ug/kg	1	19	63	
3-Dichlorobenzene	ND	ug/kg	1	14	50	
4-Dichlorobenzene	ND	ug/kg	1	17	58	
chlorodifluoromethane	ND	ug/kg		14`	48	
1-Dichloroethane	ND	ug/kg	1	19	62	
2-Dichloroethane	• ND	ug/kg	1	21	66	
1-Dichloroethene	ND ND	ug/kg	1	21	71	
s-1,2-Dichloroethene	ND	ug/kg	* 1 t	16	53	
ans-1,2-Dichloroethene	ND	ug/kg	9 3 5 1 1 1 5 5 5	24	80	
2-Dichloropropane	A NOT THE REPORT OF THE PARTY O	ug/kg	1 1	12	40	
3-Dichloropropane	Section 1	ug/kg]343 1 46	15	50	
2-Dichloropropane	ND.	ug/kg		19	62	
1-Dichloropropene	ND ND	ug/kg		14	49	
s-1,3-Dichloropropene	ND	ug/kg	5000 // #### 1	15	51	
ans-1,3-Dichloropropene	ND	ug/kg	13451 1 0303		51	
thylbenzene	ND .	ug/kg	493 1 32 -	20	68	
exachlorobutadiene	ND **	ug/kg	AQUA 1 250	23	76	
opropylbenzene	ND	ug/kg	و اي ر 1 (ايون	20	70	
Isopropyltoluene	ND.	ug/kg	2 88 1 S		71	
ethylene chloride	ND	ug/kg	14.2 1	14	46	
phthalene	ND	ug/kg	1	25	79	
ropylbenzene	ND	ug/kg	1	15	55	
tho-Xylene	ND ND	ug/kg	1	23	80	
/rene	ND ND	ug/kg	1	19	66	
1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53	
1,2,2-Tetrachloroethane	. ND	ug/kg	1 1	11	35	
etrachloroethene	[36]	ug/kg	1	22	77	
oluene	ND	ug/kg	1	21	71	
2,3-Trichlorobenzene	ND ND	ug/kg	1	20	70	
2,4-Trichlorobenzene	ND	ug/kg	1	23	79	
1,1-Trichloroethane	ND	ug/kg	1	12	38	
,1,2-Trichloroethane	ND	ug/kg	1	24	80	
ichloroethene	ND	ug/kg	1	23	78	

ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000)

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Customer: URS Corporation (Madison) NLS Project: 68691

Project Description: Robinson Cleaners

Project Title: Template: SATS

Soil, B-5 40' Collected: 08/21/02 Analyzed: 09/09/02

Sample: 290054 Soil, B-5 40'	Collected: 08/21/02	Ana	lyzed: 09/0	09/02	
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Trichlorofluoromethane	110	ug/kg	1	16	54
1,2,3-Trichloropropane	ND	ug/kg	1	16	55
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39
Vinyl chloride	ND	ug/kg	1	17	55
meta,para-Xylene	ND	ug/kg	1	39	130
MTBE	ND	ug/kg	1	14	44
Isopropyl Ether	ND	ug/kg	15.04	16	53
Dibromofluoromethane (SURR**)	100%			1:42 (8)	
Toluene-d8 (SURR**)	105%	1.0	1000		
1-Bromo-4-Fluorobenzene (SURR**)	102%	1.5		1 1 - 1	

^{**} Surrogates are used to evaluate a method's Quality Control.

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Sample: 290055 MeOH Blank	Collected: 08/2	21/02 A	nalyzed: 0	9/09/02		
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Benzene	,ND	ug/kg	1	15	50	
Bromobenzene	ND	ug/kg	1	17	54	
Bromochioromethane	ND	ug/kg	1	22	73	
Bromodichloromethane	ND _	ug/kg	1	15	52	
Bromoform	ND AAA	ug/kg	χ·: 1	19	68	
Bromomethane	ND (1)	ug/kg	1	200	200	
n-Butylbenzene	ND	ug/kg	1	22	72	
sec-Butylbenzene	ND ND	ug/kg	1	21	68	
tert-Butylbenzene	ND	ug/kg	1.4.1	12	39	
Carbon Tetrachloride	ND	ug/kg	1	21	72	
Chlorobenzene	ND ND	ug/kg	1	11	35	
Chloroethane	ND	ug/kg	1	200	200	
Chloroform	ND	ug/kg	1	20	68	
Chloromethane	ND ND	ug/kg	1 🖂	14	48	
2-Chlorotoluene	ND	ug/kg	1	11	37	
4-Chlorotoluene	ND	ug/kg	1		78	
Dibromochloromethane	ND	ug/kg	1	18	64	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1	24	79	
1,2-Dibromoethane	ND	ug/kg	1 : ;:	19	65	
Dibromomethane	ND ND	ug/kg	1	21	71	
1,2-Dichlorobenzene	ND	ug/kg	1	19	63	
1,3-Dichlorobenzene	ND	ug/kg	1	14	50	
1,4-Dichlorobenzene	ND .	ug/kg	1	17	58	
Dichlorodifluoromethane	ND.	ug/kg	1	14	48	to manage to the manage of the control of the contr
1,1-Dichloroethane	ND ND	ug/kg	1	19	62	
1,2-Dichloroethane	nD nD	ug/kg		21	66	
1,1-Dichloroethene	ND.	ug/kg	13.5 1 5.5	21	71	
cis-1,2-Dichloroethene	ND ND	ug/kg	1	16	53	
trans-1,2-Dichloroethene	ND ND	ug/kg	% *\4 1 ∧ 3	24	80	
1,2-Dichloropropane	ND S	ug/kg	15 (4 1)	12	40	
1,3-Dichloropropane		ug/kg	134 / 1 44	15	50	
2,2-Dichloropropane	ND ND	ug/kg	1	19	62	
1,1-Dichloropropene	The second secon	ug/kg	1.1.1	14	49	
cis-1,3-Dichloropropene	ND 3	ug/kg	:	15	51	
trans-1,3-Dichloropropene	ND	ug/kg	44 19 1 1 1 1 1	15	51	
Ethylbenzene	ND ND	ug/kg	1989 1 60 -	20	68	
Hexachlorobutadiene	ND ::	ug/kg	-3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	23	76	
Isopropylbenzene	ND ND	ug/kg	1		70	
p-Isopropyltoluene		ug/kg	437/11/19		71	
Methylene chloride	ND 1	ug/kg	1	14	46	
Naphthalene	ND	ug/kg	1	25	79	
n-Propylbenzene	ND ND	ug/kg	11	15	55	
ortho-Xylene	ND	ug/kg	11	23	80	
Styrene	ND_	ug/kg	1	19	66	
1,1,1,2-Tetrachloroethane	ND	ug/kg	1	15	53	
1,1,2,2-Tetrachloroethane	ND	ug/kg	1	11	35	
Tetrachloroethene	ND	ug/kg	1	-22	77	
Toluene	ND	ug/kg	11	21	71	
1,2,3-Trichlorobenzene	ND	ug/kg	1	20	70	
1,2,4-Trichlorobenzene	ND	ug/kg	1	23	79	
1,1,1-Trichloroethane	ND	ug/kg	1	12	38	
1,1,2-Trichloroethane	ND	ug/kg	11	24	80	
Trichloroethene	ND	ug/kg	1	23	78	

ANALYTICAL RESULTS: VOC's by EPA 8260 - Methanol - (Saturn 2000) n (Madison) NLS Project: 68691

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Customer: URS Corporation (Madison)
Project Description: Robinson Cleaners

Template: SATS Project Title:

Sample: 290055 MeOH Blank	Collected:	08/21/02	Analyzed: 0	9/09/02		
ANALYTE NAME	RESU	LT UNITS	5 DIL	LOD	LOQ	
Trichlorofluoromethane	ND	ug/kg	1	16	54	
1,2,3-Trichloropropane	ND	ug/kg	1	16	55	
1,2,4-Trimethylbenzene	ND	ug/kg	1	20	70	
1,3,5-Trimethylbenzene	ND	ug/kg	1	11	39	
Vinyl chloride	ND	ug/kg	1	17	55	
meta,para-Xylene	ND	ug/kg	1	39	130	
MTBE	ND	ug/kg	1 1	14	44	
Isopropyl Ether	ND	ug/kg	1	16	53	
Dibromofluoromethane (SURR**)	98%					
Toluene-d8 (SURR**)	110%			ng Asyl de		
1-Bromo-4-Fluorobenzene (SURR**)	107%					

^{**} Surrogates are used to evaluate a method's Quality Control.

SAMPLE CULLECTION AND CHAIN OF CUSTODY RECORD : NORTHERN LAKE SERVICE, INC. NO. 57056 Analytical Laboratory and Environmental Services Wisconsin Lab Cert. No. 721026460 CLIENT URS 400 North Lake Avenue - Crandon, WI 54520-1298 Tel: (715) 478-2777 • Fax: (715) 478-3060 ADDRESS STE 5250 E JERRACE USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. ^{AN}ALYZE PER ORDER OF ANALYSIS MATRIX: MADISON W/ SW = surface water Indicate G or C if WW Sample is Grab or Composite. PROJECT DESCRIPTION / NO. WW = waste water QUOTATION NO. GW = groundwater COBINSON CLEANERS TIS = tissue PHONE AIR = air DW = drinking water 0 608, 244, 5656 v SOIL = soil PURCHASE ORDER NO. SED = sediment 608,244,1779 PROD = product SL = sludge OTHER COLLECTION SAMPLE ID MATRIX **COLLECTION REMARKS** TIME 5016 3O 196050 30 X 290051 8/ 12 290052 8/21 A90US3 0910 0935 \$90054 290055 10. COLLECTED BY (signature) CUSTODY SEAL NO. (IF ANY) DATE/TIME REPORT TO RELINQUISHED BY (signature) DATE/TIME RECEIVED BY (signature) METHOD OF TRANSPORT DATE/TIME INVOICE TO DATE/TIME CONDITION TEMP. REMARKS & OTHER INFORMATION COOLER# OH = sodium hydroxide WDNR FACILITY NUMBER E-MAIL ADDRESS NP = no preservative HA = hydrochloric & ascorbic acid sulfuric acid H = hydrochloric acid THO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE SHIPPER CONTAINING THE SAMPLES DESCRIBED. VANDA 2. FLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE. 3. BETORN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060

Client:

URS Corporation (Madison)

Attn: Bob Nauta

5250 East Terrace Drive Madison,WI 53718

Project:

Robinson's/51279-001

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460

WDATCP Laboratory Certification No. 105 000330

EPA Laboratory ID No. WI00034

Printed: 09/19/02 Code: S

Page 1 of 1

NLS Project:

68969

NLS Customer:

91207

MW-1 NLS ID: 291093

Ref. Line 1 COC 57735 MW-1 Matrix: GW Collected: 09/12/02 10:30 Received: 09/13/03

Collected: 09/12/02 10:30 Received: 09/13/02				
Parameter	Result: Units Dilution LOD LOQ see attached	Analyzed	Method	Lab
VOCs (water) by EPA 8260		09/18/02	SW846 8260	721026460
MW-2 NLS ID: 291094 Ref. Line 2 COC 57735 MW-2 Matrix: GW Collected: 09/12/02 09:20 Received: 09/13/02				
Parameter	Result Units Dilution LOD LOQ see attached	Analyzed	Method	Lab
VOCs (water) by EPA 8260		09/18/02	SW846 8260	721026460
MW-2D NLS ID: 291095 Ref. Line 3 COC 57735 MW-2D Matrix: GW Collected: 09/12/02 10:00 Received: 09/13/02				
Parameter	Result: Units Dilution LOD LOQ see attached -	Analyzed	Method	Lab
VOCs (water) by EPA 8260		09/18/02	SW846 8260	721026460
MW-3 NLS ID: 291096 Ref. Line 4 COC 57735 MW-3 Matrix: GW Collected: 09/12/02 10:10 Received: 09/13/02				
Parameter	Result Units Dilution LOD LOQ see attached	Analyzed	Method	Lab
VOCs (water) by EPA 8260		09/18/02	SW846 8260	721026460
Trip Blank NLS ID: 291097 Ref. Line 5 COC 57735 Trip Blank Matrix: TB Collected: 09/12/02 00:00 Received: 09/13/02				
Parameter	Result Units Dilution LOD LOQ see attached	Analyzed	Method	Lab
VOCs (water) by EPA 8260		09/18/02	SW846 8260	721026460

Values in brackets represent results greater than the LOD but less than or equal to the LOQ and are within a region of "Less-Certain Quantitation". Results greater than the LOQ are considered to be in the region of "Certain Quantitation". LOD and LOQ tagged with an asterisk(*) are considered Reporting Limits.

Authorized by:

LOD = Limit of Detection DWB = Dry Weight Basis LOQ = Limit of Quantitation NA = Not Applicable ND = Not Detected

%DWB = (mg/kg DWB) / 10000

1000 ug/L = 1 mg/L

-might

R. T. Krueger President

MCL = Maximum Contaminant Levels for Drinking Water Samples

Customer: URS Corporation (Madison)
Project Description: Robinson's/51279-001
Project Title: Template

Template: SAT2W

Sample: 291093 MW-1	Collected: 09/12/02	Analyzed:	09/18/02			
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Benzene	ND ND	ug/L	1	0.29	0.96	
Bromobenzene	ND	ug/L	1	0.15	0.47	
Bromochloromethane	ND	ug/L	1	0.36	1.2	
Bromodichloromethane	ND _	ug/L	1	0.32	1.1	
Bromoform	ND.	ug/L	1	0.29	0.97	
Bromomethane	s,÷xen ND,≥ene	ug/L	1	0.35	1.2	
n-Butylbenzene	ND The second	ug/L	1	0.28	0.93	
sec-Butylbenzene	ND ND	ug/L	1	0.32	1.1	
tert-Butylbenzene	, ND	ug/L	1		0.52	
Carbon Tetrachloride	ND ND	ug/L	11	0.27	0.91	
Chlorobenzene	ND ND	ug/L	1	0.26	0.87	
Chloroethane	ND	ug/L	1	1.4	4.8	
Chloroform	ND	ug/L	1 -	0.30	0.99	
Chloromethane	ND ND	ug/L	1 1	0.29	0.96	
2-Chlorotoluene	ND	ug/L	1	0.29	0.97	
4-Chlorotoluene	ND.	ug/L	1	0.22	0.73	And the state of t
Dibromochloromethane	ND	ug/L	1	0.26	0.88	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.31	1.0	Annual Control of the
1,2-Dibromoethane	ND	ug/L	1	0.26	0.86	
Dibromomethane	ND	ug/L	1	0.31	1.0	
1,2-Dichlorobenzene	ND	ug/L	1	0.29	0.96	
1,3-Dichlorobenzene	ND	ug/L	1	0.29	0.96	Annual Maria Company C
1,4-Dichlorobenzene	ND ND	ug/L	1	0.26	0.87	
Dichlorodifluoromethane	ND ND	ug/L	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.34	1.1	AND MALE OF THE PROPERTY OF TH
1,1-Dichloroethane	ND	ug/L	7 1	0.33	1.1	
1,2-Dichloroethane	ND ND	ug/L	1	0.34	1.1	
1,1-Dichloroethene	ND ND	ug/L	. \$-3 1 5 7 1 5	0.29	0.96	
cis-1,2-Dichloroethene	ND ND	ug/L	1	0.28	0.93	
trans-1,2-Dichloroethene	ND ND	ug/L	1	0.29	0.98	
1,2-Dichloropropane		ug/L	1	0.33	1.1	
1,3-Dichloropropane	ND	ug/L	-4.	0.33	1.1	
2,2-Dichloropropane	Part of the No. of the No. of the No.	ug/L	1	0.28	0.95	Sport that have been seen as the second seco
1,1-Dichloropropene	. → ND	ug/L	1	0.29	0.98	
cis-1,3-Dichloropropene	STATE OF THE PARTY		1 1	0.32	1.1	
trans-1,3-Dichloropropene	ND	ug/L	1.54.	0.34	1.1	
Ethylbenzene	College - Market and Provide ND to an		558 (1)	0.28	0.93	
Hexachlorobutadiene	Para territoria de la Companya del Companya de la Companya del Companya de la Com	ug/L		0.37	1.2	
Isopropylbenzene	ND	ug/L	1	0.28	0.93	reason and the second s
p-isopropyltoluene	ND	ug/L	4247.40	0,31	1.0	
Methylene chloride	ND	ug/L	1		1.9	The state of the s
Naphthalene	ND	ug/L	1	0.29	0.93	And the second s
n-Propylbenzene	ND	ug/L	- i	0.25	0.82	The same of the sa
ortho-Xylene	ND	ug/L	<u> </u>	0.26	0.87	The state of the s
Styrene	ND	ug/L	1	0.25	0.82	All and the second and the second and the second
1,1,1,2-Tetrachloroethane	ND ND	ug/L	<u> </u>	0.30	1.0	
1,1,2,2-Tetrachloroethane	ND ·	ug/L	1	0.31	1.0	1
Tetrachloroethene	1.6	ug/L	1	0.25	0.84	
Toluene	ND	ug/L	1	0.36	1.2	
1,2,3-Trichlorobenzene	ND	ug/L	<u>i</u>	0.26	0.84	A CONTRACTOR OF THE CONTRACTOR
1,2,4-Trichlorobenzene	ND	ug/L	1	0.36	1.2	regarded the Methods regarding the delicities and
1,1,1-Trichloroethane	ND ND	ug/L	1	0.31	1.0	Management #13#1 akus ************************************
1,1,2-Trichloroethane	ND	ug/L	1	0.40	1.3	- may a second and the second and th
Trichloroethene	ND	ug/L	1	0.29	0.97	
TUNINO			the state of the state of the			

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ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)
Customer: URS Corporation (Madison) NLS Project: 68969
Project Description: Robinson's/51279-001

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Project Title: Template: SAT2W

Sample: 291093 MW-1	Collected: 09/12/02	Analyzed:	09/18/02			
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Trichlorofluoromethane	ND	ug/L	1	0.28	0.93	
1,2,3-Trichloropropane	ND	ug/L	1	0.34	1.1	
1,2,4-Trimethylbenzene	ND	ug/L	1	0.23	0.78	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.30	1.0	
Vinyl chloride	ND	ug/L	1	0.11	0.37	
meta,para-Xylene	ND.	ug/L	1	0.49	1.6	
MTBE	ND ND	ug/L	(330 1 4349)	0.33	1.1	
Isopropyl ether	ND	ug/L	1 1	0.35	1.2	
Dibromofluoromethane (SURR**)	113%		Paragraph Capital			
Toluene-d8 (SURR**)	108%					
1-Bromo-4-Fluorobenzene (SURR**)	108%		1511	g Maria Net a		

^{**} Surrogates are used to evaluate a method's Quality Control.



ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

Customer: URS Corporation (Madison) NLS Project: 68969

Project Description: Robinson's/51279-001

Project Title: Tomplet

Sample: 291094	MW-2	Collected: (9/12/02	Analyzed: 09	9/18/02					
ANALYTE NAM	E		RESULT	UNITS	DIL	LOD	LOQ			
Benzene			ND	ug/L	1	0.29	0.96			
Bromobenzene			ND	ug/L	1	0.15	0.47			
Bromochloromethane			ND	ug/L	1	0.36	1.2			
Bromodichloromethan	e		ND	ug/L	1	0.32	1.1			
Bromoform			ND	ug/L	1	0.29	0.97		•	
Bromomethane			ND	ug/L	1	0.35	1.2			
n-Butylbenzene		· · · · · · · · · · · · · · · · · · ·	ND	ug/L	1	0.28	0.93			
sec-Butylbenzene				ug/L	1	0.32	1.1			
tert-Butylbenzene				ug/L	.1 .3.5	0.17	0.52			
Carbon Tetrachloride			ND	ug/L	1	0.27	0.91			
Chlorobenzene			ND	ે ug/L	1	0.26	0.87			
Chloroethane			₽ND	// ug/L	1	1.4	4.8			
Chloroform			ND		1	0.30	0.99			
Chloromethane			ND⇒	ີ່ ug/L	1	0.29	0.96		•	
2-Chlorotoluene				ug/L	1	0.29	0.97			
4-Chiorotoluene			ND	ug/L	1	0.22	0.73			
Dibromochloromethan			-ND		1	0.26	0.88			
1,2-Dibromo-3-Chlorop	propane		ND	ug/L	1	0.31	1.0			
1,2-Dibromoethane			ND:	ug/L	1	0.26	0.86			
Dibromomethane				ug/L	_1	0.31	1.0			
1,2-Dichlorobenzene		A Salara		ug/L_	1	0.29	0.96			
1,3-Dichlorobenzene			ND	ug/L	1 1	0.29	0.96			
1,4-Dichlorobenzene		****		ug/L	1	0.26	0.87			
Dichlorodifluoromethar	ne		ND	ug/L.	1	0.34	1.1]		
1,1-Dichloroethane				ug/L	1 0		1.1	:		
1,2-Dichloroethane				ug/L	.1	0.34	1.1	-		
1,1-Dichloroethene				ug/L	1	0.29	0.96			
cis-1,2-Dichloroethene				ug/L	1	0.28	0.93			
trans-1,2-Dichloroethe	ne		ND	ug/L	1 1	0.29	0.98			
1,2-Dichloropropane				ug/L	1	0.33	1.1	danna and and an annual and a factor of		
1,3-Dichloropropane			ND	ug/L	<u> </u>	0.33	1.1			
2,2-Dichloropropane			ND	ug/L	<u> </u>	0.28	0.95			
1,1-Dichloropropene				ug/L		0.29	0.98			
cis-1,3-Dichloropropen				ug/L	14 , 15	0.32	1.1			
trans-1,3-Dichloroprop	ene		ND	ug/L	<u> 1 </u>	0.34	1.1			
Ethylbenzene			ND		<u> </u>	0.28	0.93			
Hexachlorobutadiene				ug/L	<u> </u>	0.37	1.2			
Isopropylbenzene	March William Co.		ND	ug/L	<u>. 1</u>	0.28	0.93			
p-Isopropyltoluene				ug/L		0.31	1.0			
Methylene chloride			ND	ug/L	*** 1	0.56	1.9			
Naphthalene			ND	ug/L		0.29	0.93			
n-Propylbenzene			ND	ug/L	1	0.25	0.82			
ortho-Xylene			ND	ug/L	1	0.26	0.87			
Styrene			ND	ug/L		0.25	0.82			
1,1,1,2-Tetrachloroeth			ND	ug/L		0.30	1.0			
1,1,2,2-Tetrachloroeth	ane		ND	ug/L		0.31	1.0			
Tetrachloroethene			15	ug/L		0.25	0.84			
Toluene			ND	ug/L		0.36	1.2			
1,2,3-Trichlorobenzene			ND	ug/L		0.26	0.84			
1,2,4-Trichlorobenzene	<u>e</u>		ND	ug/L		0.36	1.2			
1,1,1-Trichloroethane			ND	ug/L		0.31	1.0			
1,1,2-Trichloroethane			ND	ug/L		0.40	1.3			
Trichloroethene		the same and the s	[0.32]	ug/L		0.29	0.97	. —		

ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

Customer: URS Corporation (Madison)
Project Description: Robinson's/51279-001 NLS Project: 68969

Project Title: Template: SAT2W

Sample: 291094 MW-2	Collected: 09/12/02	Analyzed:	09/18/02			
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Trichlorofluoromethane	ND	ug/L	1	0.28	0.93	
1,2,3-Trichloropropane	ND	ug/L	1	0.34	1.1	1
1,2,4-Trimethylbenzene	ND	ug/L	1	0.23	0.78	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.30	1.0	
Vinyl chloride	ND	ug/L	1	0.11	0.37	
meta,para-Xylene	ND .	ug/L	1	0.49	1.6	
MTBÉ	ND	ug/L	1+4	0.33	1.1	
Isopropyl ether	ND ND	ug/L	1	0.35	1.2	-
Dibromofluoromethane (SURR**)	117%			- 41.44.4		
Toluene-d8 (SURR**)	112%	et de la company		(- 1		
1-Bromo-4-Fluorobenzene (SURR**)	112%					

Additional non-target compounds detected.

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^{**} Surrogates are used to evaluate a method's Quality Control.

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Sample: 291095 MW-2D	Collected: 09/12/02	Analyzed	: 09/18/0	2		
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Benzene	ND	ug/L	1	0.29	0.96	
Bromobenzene	ND	ug/L	1	0.15	0.47	
Bromochloromethane	ND	ug/L	1	0.36	1.2	
Bromodichloromethane	ND	ug/L	1	0.32	1.1	
Bromoform	ND	ug/L	1	0.29	0.97	1
Bromomethane	ND ND	ug/L	5.50 1 6.5	0.35	1.2	
n-Butylbenzene	ND	ug/L	1814 1 7	0.28	0.93	
sec-Butylbenzene	ND	ug/L	1	0.32	1.1	
tert-Butylbenzene	ND	ug/L	1 1	0.17	0.52	
Carbon Tetrachloride	ND	ug/L	1	0.27	0.91	
Chlorobenzene	ND	ug/L	1	0.26	0.87	
Chloroethane	ND	ug/L	1	1.4	4.8	
Chloroform	ND	ug/L	1	0.30	0.99	
Chloromethane	ND ND	ug/L	1	0.29	0.96	
2-Chlorotoluene	ND	ug/L	1	0.29	0.97	
4-Chlorotoluene		ug/L	1	0.22	0.73	
Dibromochloromethane	ND ND	ug/L	1	0.26	0.88	
1,2-Dibromo-3-Chloropropane	ND ND	ug/L	1	0.31	1.0	
1,2-Dibromoethane	ND	ug/L	1	0.26	0.86	
Dibromomethane	ND*	ug/L	1	0.31	1.0	
1,2-Dichlorobenzene	ND	ug/L	1	0.29	0.96	
1,3-Dichlorobenzene	ND ND	ug/L	1	0.29	0.96	
1,4-Dichlorobenzene	ND	ug/L	1	0.26	0.87	
Dichlorodifluoromethane	ND:	ug/L	.: • 1	0.34	1.1	
1,1-Dichloroethane	ND	ug/L	1	0.33	1.1	
1,2-Dichloroethane	ND ND	ug/L	1.	0.34	1.1	
1,1-Dichloroethene	ND ND	ug/L	1	0.29	0.96	**************************************
cis-1,2-Dichloroethene		ug/L	1.	0.28	0.93	***************************************
trans-1,2-Dichloroethene	ND ND	ug/L	1	0.29	0.98	
1,2-Dichloropropane	ND	ug/L	1	0.33	1.1	
1,3-Dichloropropane	ND ND	ug/L	1	0.33	1.1	**************************************
2,2-Dichloropropane	ND	ug/L	- 1	0.28	0.95	
1,1-Dichloropropene	ND	ug/L	11	0.29	0.98	
cis-1,3-Dichloropropene	ND	ug/L	(1.11 A.M.	0.32	1.1	
trans-1,3-Dichloropropene	ND	ug/L	1	0.34	1.1	
Ethylbenzene	ND	ug/L	1	0.28	0.93	
Hexachlorobutadiene	ND		1.1	0.37	1.2	
Isopropylbenzene	ND		1	0.28	0.93	
p-Isopropyltoluene	ND ND		A 331 V 13	0.31	1.0	
Methylene chloride	ND	ug/L	1	0.56	1.9	
Naphthalene	ND	ug/L	1	0.29	0.93	
n-Propylbenzene	ND	ug/L	1	0.25	0.82	
ortho-Xylene	ND	ug/L	1	0.26	0.87	
Styrene	ND	ug/L	1	0.25	0.82	
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.30	1.0	
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.31	1.0	
Tetrachloroethene	1.7	ug/L	1	0.25	0.84	
Toluene	ND	ug/L	1	0.36	1.2	
1,2,3-Trichlorobenzene	ND	ug/L	11	0.26	0.84	
1,2,4-Trichlorobenzene	· ND	ug/L	1	0.36	1.2	
1,1,1-Trichloroethane	ND	ug/L	1	0.31	1.0	
1,1,2-Trichloroethane	ND	ug/L	11	0.40	1.3	
Trichloroethene	ND	_ug/L	1	0.29	0.97	

ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

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Customer: URS Corporation (Madison)
Project Description: Robinson's/51279-001 NLS Project: 68969

Project Title: Template: SAT2W

Sample: 291095 MW-2D	Collected: 09/12/02	Analyze	1: 09/18/0	2		-
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Trichlorofluoromethane	ND	ug/L	1	0.28	0.93	
1,2,3-Trichloropropane	ND	ug/L	1	0.34	1.1	
1,2,4-Trimethylbenzene	ND	ug/L	1	0.23	0.78	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.30	1.0	
Vinyl chloride	, ND : Daley	ug/L	1	0.11	0.37	
meta,para-Xylene	Section ND 1944 Section	ug/L	1	0.49	1.6	
MTBE	, ND	ug/L	1	0.33	1.1	
Isopropyl ether	ND ND	ug/L	1	0.35	1.2	
Dibromofluoromethane (SURR**)	112%					
Toluene-d8 (SURR**)	105%					
1-Bromo-4-Fluorobenzene (SURR**)	106%		<i>(</i> .)			

Additional non-target compounds detected.

^{**} Surrogates are used to evaluate a method's Quality Control.

ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2) Customer: URS Corporation (Madison) NLS Project: 68969 Project Description: Robinson's/51279-001 Project Title:

Sample: 291096 MW-3	Collected: 09/12/02	Analyzed:	09/18/02			
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Benzene	ND	ug/L	1	0.29	0.96	
Bromobenzene	ND ND	ug/L	1	0.15	0.47	
Bromochloromethane	ND	ug/L	1	0.36	1.2	
Bromodichloromethane	ND	ug/L	1	0.32	1.1	
Bromoform	, ND and a grant	ug/L	1	0.29	0.97	
Bromomethane	ND	ug/L	1	0.35	1.2	And Manade States (1997 1997 M. 1980) popular and C. T.
n-Butylbenzene	ND	ug/L	1	0.28	0.93	
sec-Butylbenzene	ND	ug/L	1	0.32	1.1	14.0 M 14
tert-Butylbenzene	ND	ug/L	1	0.17	0.52	
Carbon Tetrachloride	ND ND	ug/L	1	0.27	0.91	
Chlorobenzene	ND	ug/L	1	0.26	0.87	
Chloroethane	ND	ug/L	1	1.4	4.8	
Chloroform	ND.	ug/L	1	0.30	0.99	
Chloromethane	ND-		1		0.96	
2-Chlorotoluene	ND	ug/L	1	0.29	0.97	
4-Chlorotoluene	ND	ug/L	1	0.22	0.73	
Dibromochloromethane	ND ND	ug/L	1	0.26	0.88	
1,2-Dibromo-3-Chloropropane	ND .	ug/L	1	0.31	1.0	
1,2-Dibromoethane	ND	ug/L	1	0.26	0.86	
Dibromomethane	ND:	ug/L	1		1.0	
1,2-Dichlorobenzene	ND	ug/L	1	0.29	0.96	
1,3-Dichlorobenzene	ND	ug/L	1		0.96	Control of the Contro
1,4-Dichlorobenzene	ND ND	ug/L	1		0.87	
Dichlorodifluoromethane	ND.	ug/L	1	0.34	1.1	
1,1-Dichloroethane	* ND		1	0.33	1.1	
1,2-Dichloroethane	ND		1	0.34	1.1	TOTAL CONTRACTOR AND AND AND AND AND AND AND AND AND AND
1,1-Dichloroethene	ND	ug/L	1	0.29	0.96	
cis-1,2-Dichloroethene	ND		1	0.28	0.93	
trans-1,2-Dichloroethene	ND	ug/L	1.	0.29	0.98	
1,2-Dichloropropane			. (9 1. 15.)	0.33	1.1	
1,3-Dichloropropane	ND	ug/L	3 (1 3)	0.33	1.1	
2,2-Dichloropropane	ND		1	0.28	0.95	
1,1-Dichloropropene	ND ND		1	0.29	0.98	
cis-1,3-Dichloropropene	ND		3.4	0.32	1.1	
trans-1,3-Dichloropropene	ND Comments		V. 1 C.S.	0.34	1.1	
Ethylbenzene	ND	ug/L	5.5. 1 5.55	0.28	0.93	
Hexachlorobutadiene	ND		1340	0.37	1.2	
Isopropylbenzene	ND	ug/L	1	0.28	0.93	
p-Isopropyltoluene	ND	ug/L	1	0.31	1.0	-terginny-th-terminny-terminal-state angles and secretaristics.
Methylene chloride	ND	ug/L	1	0.56	1.9	
Naphthalene	ND	ug/L	1	0.29	0.93	
n-Propylbenzene	ND	ug/L	<u>i</u>	0.25	0.82	
ortho-Xylene	ND	ug/L	1	0.26	0.87	Make the second
Styrene	ND	ug/L	1	0.25	0.82	
1,1,1,2-Tetrachloroethane	ND ND	ug/L	i	0.30	1.0	
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.31	1.0	1. (1. (1. (1. (1. (1. (1. (1. (1. (1. (
Tetrachloroethene	1.6	ug/L	1	0.25	0.84	**************************************
Toluene	ND ND	ug/L	1	0.36	1.2	
1,2,3-Trichlorobenzene	ND ND	ug/L	1	0.26	0.84	
1,2,4-Trichlorobenzene	ND	ug/L	i	0.36	1.2	
1,1,1-Trichloroethane	ND	ug/L	1	0.31	1.0	and the second constitution and a second constitution and the second constitution and
1,1,2-Trichloroethane	ND	ug/L		0.40	1.3	
Trichloroethene	ND_	ug/L		0.29	0.97	And the state of the same and t
The second secon	William Control of Manager Contr					

ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2) n (Madison) NLS Project: 68969

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Customer: URS Corporation (Madison)
Project Description: Robinson's/51279-001

Project Title: Template: SAT2W

Sample: 291096 MW-3	Collected: 09/12/02	Analyzed:	09/18/02			
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	*
Trichlorofluoromethane	· ND	ug/L	1	0.28	0.93	
1,2,3-Trichloropropane	ND	ug/L	1	0.34	1.1	
1,2,4-Trimethylbenzene	ND	ug/L	1	0.23	0.78	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.30	1.0	
Vinyl chloride	,ND-11111	ug/L	37 . 1	0.11	0.37	
meta,para-Xylene	Lake ND (Co.	ug/L	114. 11 . 11	0.49	1.6	
MTBE	ND ND	ug/L	. • • 1 •	0.33	1.1	
Isopropyl ether	* ND	ug/L	1	0.35	1.2	
Dibromofluoromethane (SURR**)	120%					
Toluene-d8 (SURR**)	113%					
1-Bromo-4-Fluorobenzene (SURR**)	110%	MONEY POL				

^{**} Surrogates are used to evaluate a method's Quality Control.

ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

Customer: URS Corporation (Madison) NLS Project: 68969

Project Description: Robinson's/51279-001

Project Title: Templet Company

Sample: 291097 Trip Blank	Collected: 09/12/02	Analy	zed: 09/18	3/02			_
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ		
Benzene	ND ·	ug/L	1	0.29	0.96		
Bromobenzene	ND	ug/L	1	0.15	0.47		
Bromochloromethane	ND	ug/L	1	0.36	1.2		
Bromodichloromethane	ND	ug/L	1	0.32	1.1		
Bromoform	, ND 1 (J. Marie	ug/L	. 1	0.29	0.97		
Bromomethane	ND (Assets)	ug/L	11	0.35	1.2		
n-Butylbenzene	ND ND	ug/L	900 4	0.28	0.93		
sec-Butylbenzene	ND	ug/L	1.11	0.32	1.1		
tert-Butylbenzene	ND	ug/L	1	0.17	0.52		
Carbon Tetrachloride	ND	ug/L	11,000	0.27	0.91		
Chlorobenzene	ND	ug/L	1 .	0.26	0.87	,	
Chloroethane	ND	ug/L	1	1.4	4.8	100 miles 100 mi	
Chloroform	ND	ug/L	1	0.30	0.99		
Chloromethane	* ND	ug/L	1 : , =	0.29	0.96	And the state of t	
2-Chlorotoluene	ND	ug/L	1	0.29	0.97		
4-Chlorotoluene	ND	ug/L	1	0.22	0.73		
Dibromochloromethane	ND	ug/L	1		0.88		
I,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.31	1.0		
1,2-Dibromoethane	ND	ug/L	1	0.26	0.86		
Dibromomethane	ND	ug/L	1	0.31	1.0		
1,2-Dichlorobenzene	ND.	ug/L	1	0.29	0.96		
1,3-Dichlorobenzene	ND	ug/L	1	0.29	0.96		
1,4-Dichlorobenzene	ND	ug/L	1	0.26	0.87		
Dichlorodifluoromethane	ND ND	ug/L	1	0.34	1.1	***************************************	
I.1-Dichloroethane	ND		30-13 33		1,1	2	
1,2-Dichloroethane	ND ND	ug/L	4	0.34	1.1		
1,1-Dichloroethene	ND	ug/L		0.29	0.96	Andrew Market and Mark	
cis-1,2-Dichloroethene	ND	ug/L	1	0.28	0.93		
rans-1,2-Dichloroethene	ND		Sk 11 (1)	0.29	0.98		
1,2-Dichloropropane	ND	ug/L	1	0.33	1.1	2	
1,3-Dichloropropane	ND	ug/L	1	0.33	1.1		
2,2-Dichloropropane	ND	ug/L	. 1	0.28	0.95	3	
1,1-Dichloropropene	ND.	ug/L	2011年 -	0.29	0.98		
cis-1,3-Dichloropropene	ND	ug/L	1	0.32	1.1		
rans-1,3-Dichloropropene	ND 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ug/L	- (d	0.34	1.1		
Ethylbenzene	ND:	ug/L	15.41.00	0.28	0.93	Total Control of the	
-lexachlorobutadiene	ND	ug/L	3.44 1 8	0.37	1.2		
sopropylbenzene	ND		Var. 1	0.28	0.93		
o-Isopropyltoluene	ND	ug/L	100	0.31	1.0		
Methylene chloride	ND	ug/L	1 2	0.56	1.9		
Naphthalene	ND	ug/L	1	0.29	0.93		
n-Propylbenzene	ND	ug/L	1	0.25	0.82	1	
ortho-Xylene	ND	ug/L	1	0.26	0.87	A radius (META)	
Styrene	ND	ug/L	1	0.25	0.82		
1,1,1,2-Tetrachloroethane	ND	ug/L	. 1	0.30	1.0		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.31	1.0	and the second s	
Tetrachloroethene	ND	ug/L	1	0.25	0.84		
Toluene	ND	ug/L	1	0.36	1.2	and the second s	
.2.3-Trichlorobenzene	. ND	ug/L	1	0.26	0.84		
,2,4-Trichlorobenzene	ND	ug/L	1	0.36	1.2	Control of the Contro	
,1,1-Trichloroethane	ND	ug/L	1	0.31	1.0		
1,1,2-Trichloroethane	ND	ug/L	1	0.40	1.3		
Trichloroethene	ND	ug/L	1	0.29	0.97		

ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

Customer: URS Corporation (Madison) NLS Project: 68969

Project Description: Robinson's/51279-001

Project Title:

Page 10 of 10

Sample: 291097 Trip Blank	Collected: 09/12/02	Analy	zed: 09/18			
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	
Trichlorofluoromethane	ND	ug/L	1	0.28	0.93	
1,2,3-Trichloropropane	ND	ug/L	1	0.34	1.1	
1,2,4-Trimethylbenzene	· ND	ug/L	1	0.23	0.78	,-10-
1,3,5-Trimethylbenzene	ND	ug/L	1	0.30	1.0	
Vinyl chloride	ND ALCORE	ug/L	- Fag. 1	0.11	0.37	
meta,para-Xylene	ND: 100 MD: 100 MB.	ug/L	1	0.49	1.6	
MTBE		ug/L	. 1111	0.33	1.1	
Isopropyl ether	ND.	ug/L	1	0.35	1.2	
Dibromofluoromethane (SURR**)	114%					
Toluene-d8 (SURR**)	109%		50			
1-Bromo-4-Fluorobenzene (SURR**)	109%	er (j.				

^{**} Surrogates are used to evaluate a method's Quality Control.

ADDRESS	Corporation Co. To. St.	Wis	Wisconsin Lab Cert. No. 721026460					Analytical Laboratory and Environmental Services NO. 5 ? 400 North Lake Avenue • Crandon, WI 54520-1298 Tel: (715) 478-2777 • Fax: (715) 478-3060								
PROJECT DESCRI	PTION/NO. 15/5/279-001 PHONE 688-2 RNO. FAX 608-3	53 7 / 8 uotation no. -44 - 565 -44 - 17	79	MATRIX: SW = surface water WW = waste water GW = groundwater TIS = tissue AIR = air DW = drinking water SOIL = soil SED = sediment PROD = product SL = sludge OTHER	MALYZE PED C.	VOCS CHORACKSIS	USE N G		BELOW:	3-1137540		2	74.	100.00	itered.	
TEM NLS NO. LABINO	SAMPLE ID	DATE	TIME	MATRIX		3/		<u> </u>				/_			COLLEC	TION REMARKS
1. 291693	MW-I	9/12/02	1030	6W	<u>'</u>	X									<u> </u>	
2. 291094	MW-2 &		0920	794		$\succeq ig ig $	_							<u> </u>		
3. 291095	MW-2D 1186		1000	***************************************		X										
4. 29,096	MW-3068		1010			$\times $										
5. 291097	(4) (4)					x										
6.	647	, , , , ,														
7.	Call .											,			·	•
8. 3.			1.													
9.										_						
10.	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)									<u> </u>	1	 	 			
COLLECTED BY (si	gnature)		CUSTO	DY SEAL NO. (IF AN	IY)				DATE/T	IME	F	REPOR		A /		
RELINQUISHED BY		RECE	IVED BY (signa	ature)					DATE/T	IME	7		Do 5	None	uta	
DISPATCHED BY (S	ignature	METH	OD OF TRANS	SPORT	÷.				DATE/T	IME	- - 			,		
RECEIVED AT NLS	BY (signature)			S:3U	CONDIT	пои			ТЕМР			NVOICE		utn a	<u>.</u>	1

S = sulfuric acid IMPORTANT:

H. 5 hydrochloric acid. M =methanol TO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE SHIPPER CONTAINING THE SAMPLES DESCRIBED.

2. PLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE.

3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.

4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY