

**Midwest Environmental
Management Company**

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**PHASE II
ENVIRONMENTAL SITE
ASSESSMENT REPORT**

**Tarco South Property
2100 East Avenue North
Onalaska, Wisconsin**

October 6, 1997



**Midwest Environmental
Management Company**

October 6, 1997

Mr. Douglas Joseph
Wisconsin Department of Natural Resources
1300 W. Clairemont Avenue
P.O. Box 4001
Eau Claire, Wisconsin 54702-4001

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DNR - WD

Subject: Phase II Environmental Site Assessment Report for the Tarco South Property, 2100 East Avenue North, Onalaska, Wisconsin (RR Case #02-32-000209).

Dear Mr. Joseph,

Enclosed please find Midwest Environmental Management Company's Phase II Environmental Site Assessment Report concerning soil and groundwater samples collected from the eastern portion of the Tarco South property located in Onalaska, Wisconsin.

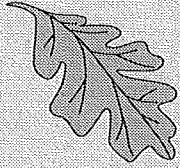
A total of six soil samples and three groundwater samples were collected with a Geoprobe unit for certified laboratory analysis from the portion of the Tarco South property located adjacent to U.S. Highway 53. Three soil samples were analyzed for arsenic and three soil samples were analyzed for VOCs and PCBs, with no detectable contamination being reported. However, all three groundwater samples were reported to contain detectable VOCs, which included toluene, 1,1,1-trichloroethane, and trichloroethene. The sample collected from the southwest portion of the property was noted to contain trichloroethene in a concentration above the Groundwater Quality Enforcement Standard.

I trust that this report will provide the data that you need concerning the samples collected from this property. The property owner has indicated to us that, once you have had a chance to review the information in this report, he would be interested in discussing the Department's requirements for completing the investigation of the Tarco South property. If you should require further information or have any questions as you review this report, please contact me at your convenience.

Sincerely,
Midwest Environmental Management Company

Jason Herbst
Hydrogeologist

enclosure: Phase II Environmental Site Assessment Report




PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

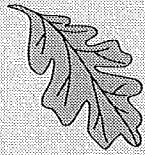
**Tarco South Property
2100 East Avenue North
Onalaska, Wisconsin**

**Project Number EA97977
October 6, 1997**

**Prepared By
Midwest Environmental Management Company
123 North 4th Street, Suite 202
La Crosse, Wisconsin 54601
(608) 784-5688**



Jason Herbst, Hydrogeologist



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1.0 Executive Summary

The Tarco South property that was the subject of this Phase II Environmental Site Assessment investigation is located at 2100 East Avenue North in the northern section of the City of Onalaska, La Crosse County, Wisconsin (Figure 1). The portion of the Tarco South property on which the investigation was conducted was located to the west of East Avenue North, east of U.S. Highway 53, and south of Thomas Court. The property consisted of approximately 5.82 acres of vacant land containing no paved roads, surface water, or buildings.

The purpose of this Phase II investigation was to collect and analyze soil and groundwater samples to determine if arsenic, Volatile Organic Compounds (VOCs), or Polychlorinated Biphenyls (PCBs) were present at specific locations along the southwest border of the Tarco South property.

On June 30-July 2, 1997, a bobcat-mounted Geoprobe unit collected soil and groundwater samples for field analysis and for certified laboratory analysis (Figure 3). The soil at this site was found to consist generally of medium to coarse grained sand and groundwater was encountered at 70-76 feet below grade. Based on a groundwater investigation conducted on an adjacent property, the groundwater was anticipated to be moving from the northeast toward the southwest.

A total of five probes were advanced and sampled with the Geoprobe along the southwest border of the Tarco South property (Figure 2). Three probes were situated on the southwest portion of the property (P-1, P-2, and P-3), one probe was located on the west-central portion of the property (P-4), and one probe was positioned on the northwest portion of the property (P-5). Three soil samples collected from the probes located on the southwest portion of the site were analyzed for arsenic content by a certified laboratory. One soil sample from the soil/groundwater interface and one groundwater sample was collected from each of Probes P-1, P-4, and P-5. These samples were analyzed by a certified laboratory for VOCs and PCBs.

The certified laboratory analysis results indicated that no arsenic was detected in the three soil samples collected from the property. These samples were collected from the same area in which a soil sample from a previous investigation had reportedly contained significant arsenic contamination. No VOCs or PCBs were detected in any of the three soil samples submitted for certified laboratory analysis from the soil/groundwater interface located along the southwest boundary of the property (Soil Sample Data Table). No significant FID responses, staining, or odors were encountered in the soil samples collected from the five probes conducted at the Tarco South site.

Three VOCs, consisting of toluene, 1,1,1-trichloroethane, and trichloroethene, were detected in the groundwater sample collected from Probe P-1, located on the southwest portion of the property (Figure 3). Toluene was also detected in Probe P-4, located on the west-central portion of the property and in Probe P-5, located on the northwest portion of the property (Groundwater Sample Data Table).

The concentrations of toluene and 1,1,1-trichloroethane detected in samples from the site were noted to be less than their respective Preventive Action Limits. However, the concentration of trichloroethene detected in Probe P-1 was noted to be in excess of the Enforcement Standard. Further investigation would be required in order to determine the source and extent of the groundwater contamination encountered during this Phase II Environmental Site Assessment.



2.0 Introduction

This section includes general project information, a brief project history, and a general description of the local environment.

2.1 General Information

The subject of this Phase II Environmental Site Assessment Report is the portion of the Tarco South property located to the east of U.S. Highway 53 at 2100 East Avenue North in the City of Onalaska, La Crosse County, Wisconsin.

Purpose of the Investigation

This investigation was conducted at the request of Mr. Robert Tooke, 2240 South Avenue, La Crosse, Wisconsin, the current owner of the Tarco South property. The purpose of this investigation was to collect and analyze soil and groundwater samples from specific areas of the Tarco South property and to determine if specific contaminants were present at these locations.

Environmental Consultant

The environmental consultant retained to conduct the Phase II investigation of this site was Midwest Environmental Management Company, 123 North 4th Street, Suite 202, La Crosse, Wisconsin, 54601, and the project manager was Jason Herbst, Hydrogeologist, telephone number (608) 784-5688.

Property Location

The portion of the Tarco South property being investigated is situated to the east of U.S. Highway 53 in the southwest quarter of the southeast quarter of Section 29, Township 17 North, Range 7 West. The property was located in the extreme northern portion of the City of Onalaska, approximately 2,800 feet south-southeast of the intersection of U.S. Highway 53 and County Trunk Highway OT (please see Figure 1 of this report, the "Property Location Map").

Property Description

The Tarco South property consists of approximately 5.82 acres of vacant land, with no buildings, paved roads, surface water, or structures present. The property was bordered on the east by East Avenue North, on the south and west by U.S. Highway 53, and on the north by residential lots bordering Thomas Court. The southern, central and northern portions of the property were generally covered with brush and trees (please see Figure 2, the "Site Layout Map").

2.2 Project History

Prior to the current Phase II Environmental Site Assessment investigation, two additional environmental investigations had been completed for this property.

Phase One/Phase Two Environmental Assessment

A "Phase One & Phase Two Environmental Assessment" report had previously been prepared by ACG Associates of Tomah, Wisconsin for the subject property. This report included a laboratory analysis report which indicated that arsenic and chromium had been detected in one soil sample collected from the subject property. The arsenic was reported in a concentration of 6.91 parts per

million and the chromium was reported in a concentration of 5.18 parts per million. There was no chain of custody or sample collection information included with the report, but an unscaled site map indicated that the sample had been collected near a high-line utility pole along the southwestern boundary of the property at a depth of 3.5-5.5 feet.

Phase I Environmental Site Assessment

A Phase I Environmental Site Assessment was performed on the east portion of the Tarco South property by Midwest Environmental Management Company during June, 1997. The Phase I investigation included a review of environmental records, interviews with the property owner, governmental officials, and others, and a site reconnaissance inspection of the property.

The investigation concluded that two recognized environmental conditions existed on the property. One environmental condition consisted of the arsenic contamination reported in a soil sample collected during the ACG Associates Phase I-Phase II investigation. The arsenic was reportedly in a concentration above state standards and the Wisconsin Department of Natural Resources (WDNR) had required that an additional investigation be conducted.

The other recognized environmental condition consisted of WDNR Environmental Repair Program file reports concerning the possible disposal of chemical wastes on the property during the 1970s. The file also contained the results of an investigation conducted at an adjoining property located to the south of the Tarco South property, then owned by the L.B. White Company. During this investigation, the groundwater had been found to be moving from the northeast toward the southwest. Chlorinated hydrocarbons, including 1,1,1-trichloroethane and trichloroethene, had been detected in groundwater monitoring wells at the site, including wells located on the northern, or up-gradient portion of the L.B. White property.

Phase II Environmental Site Assessment

Midwest Environmental was retained by Mr. Robert Tooke on June 16, 1997 to conduct the current Phase II Environmental Site Assessment investigation of the two recognized environmental conditions. The Phase II investigation was to provide for the collection of soil and groundwater samples with a Geoprobe unit from areas of potential environmental concern identified by the WDNR. The samples were to be analyzed in the field and selected samples were to be preserved and submitted to a WDNR-certified laboratory for analysis.

Three soil samples were to be collected and analyzed for arsenic content from the same location and subsurface interval in which the sample containing arsenic contamination was reportedly located. Additional soil samples were to be collected from obviously impacted soil or from the soil/groundwater interface in three probes which were to be advanced to the soil/groundwater interface along the southwest border of the property. These samples were to be analyzed for Volatile Organic Compounds and Polychlorinated Biphenyls. Groundwater samples were to be collected from the same three probes, which were located along the anticipated down-gradient boundary of the Tarco South property, and were to also be analyzed for Volatile Organic Compounds and Polychlorinated Biphenyls.

The Phase II investigation was coordinated with the WDNR Environmental Repair Program project manager and a workplan outlining the proposed investigation was prepared and submitted to the WDNR on June 24, 1997. Verbal approval of the workplan was granted by the WDNR project manager during a telephone call on June 27, 1997, and a letter containing the notice to proceed with the investigation was received from the WDNR dated June 30, 1997.

2.3 Environmental Setting

This section contains general environmental information pertaining to the Tarco South investigation site.

Physical Setting

The Tarco South property is located in the City of Onalaska, within a broad, flat-bottomed valley formed by the confluence of the Mississippi, Black, and La Crosse Rivers. The subject property was situated between Lake Onalaska, located approximately 3,500 feet to the southwest, and the bluffs of the Mississippi River valley, located approximately 2,500 feet to the northeast. The subject property was slightly rolling, with an elevation of approximately 700-720 feet, and was situated approximately 80 feet above normal river level.

Geologic Setting

The unconsolidated interval in this area is typically described as consisting of brown, poorly graded, fine to medium grained sands. Sandstone bedrock of the Mount Simon formation underlies the unconsolidated soil and is typically encountered at a subsurface depth of approximately 185-200 feet in this area.

Hydrogeologic Conditions

The groundwater aquifer beneath the subject property was found to be present at a subsurface depth of 70-76 feet and was composed of medium grained, moderately sorted sand. Based upon reports for the L.B. White Company investigation site located immediately to the south of the Tarco South property, the groundwater was anticipated to flow from the northeast toward the southwest.



3.0 Phase II Investigation Methods

The following section contains a description of the investigation methods which were utilized in conducting the Phase II Environmental Site Assessment of the Tarco South property.

3.1 Phase II Investigation Preparations

Prior to the initiation of the Phase II field investigation, a site safety plan was developed, contractors were selected, and underground utilities were identified.

Site Safety Plan

As required by the U. S. Department of Labor - Occupational Safety and Health Administration, a Site Safety Plan was prepared by Midwest Environmental Management Company for this investigation and was available on site during field operations.

Geoprobe Contractor

The contractor selected to provide and operate a Geoprobe sample collection unit for this project was Matrix Technologies, Inc., 8631 Jefferson Highway, Osseo, Minnesota.

Certified Laboratory Contractor

The contractor selected to provide certified laboratory analysis services for the soil and groundwater samples collected from the Tarco South site was En Chem, Inc., 1795 Industrial Drive, Green Bay, Wisconsin. En Chem, Inc. has been issued Wisconsin DNR Laboratory Identification Number 40513270.

Utility Clearance

Prior to the commencement of subsurface investigative activity, the commercial underground utility lines located on this property were identified and marked through the Wisconsin Diggers Hotline system.

3.2 Soil Probing Procedures

On June 30, July 1, and July 2, 1997, soil and groundwater samples were collected from five probes located along the southwest boundary of the Tarco South property. A selection of photographs depicting the probing and sample collection operations is included with this report.

Soil Probing

A bobcat-mounted Model 5400 Geoprobe unit was used to advance a series of 4 foot long hollow steel probe rods into the soil at designated locations. The probe rods advanced either a 2-inch diameter, 48-inch long steel Macro-Core soil sampling tool or a 1.5-inch diameter, 24-inch long steel Large Bore soil sampling tool into the ground by utilizing the static weight of the carrier vehicle and hydraulic hammer percussion. Each sampling tool contained a disposable plastic liner and was tipped with a steel cutting shoe, an expendable steel drive point, and a plastic core catcher assembly. During probe advancement, a steel pin prevented the drive point from sliding into the collection tube.

At the conclusion of three of the probes, a Screen Point 15 groundwater sampler was attached to

the probe rods and advanced into the aquifer. The Screen Point 15 groundwater sampling tool contained a steel cutting shoe, an expendable steel drive point, a 41 inch long stainless steel screen, and a steel sampler sheath.

Equipment Decontamination

Following the collection of each sample, the sampling equipment was decontaminated by scrubbing with a solution of Alconox laboratory detergent and water. The plastic core liner was discarded following the collection of each sample.

Borehole Abandonment

Upon completion of sampling activity, each probehole was abandoned with bentonite to prevent contaminant migration within the probehole. Probes P-2 and P-3 were abandoned with chipped bentonite and Probes P-1, P-4, and P-5 were abandoned with bentonite grout. Powdered bentonite was mixed with water to form the grout, which was then placed into the probehole with the use of a funnel and tremie pipe. Wisconsin Department of Natural Resources Borehole Abandonment Forms documenting the abandonment of the probes conducted during this investigation are included in the Appendix Section of this report.

Site Mapping

Measurements were recorded for probe locations, streets, driveways, buildings and other pertinent above-ground structures, utility line locations, and property boundaries.

3.3 Sample Collection Procedures

At selected intervals during each probe, soil and groundwater samples were collected for analysis.

Soil Sample Retrieval

At each soil sample location selected by Midwest Environmental, a retaining pin was removed from the sample tube drive point with a plunger rod and the tube was then advanced to allow a core sample of soil to enter the tube. Each core sample was collected within a disposable clear plastic tube liner. The sample collection assembly was retrieved from the probehole, the plastic liner was cut open, and the core sample of soil was removed for analysis.

Certified Laboratory Soil Sample Collection

For samples being submitted for Volatile Organic Compounds analysis, a 25-30 gram portion of soil was placed into a 2 ounce glass laboratory jar and preserved with 25 milliliters of laboratory-supplied methanol. Each sample jar was weighed both before and after sample collection to ensure proper sample weight. Another portion of each sample was collected and placed into a 5 ounce plastic cup for moisture content analysis. For samples being submitted for Polychlorinated Biphenyls analysis, one 8 ounce amber glass laboratory jar was filled with soil without preservatives. For samples being submitted for Arsenic analysis, one 5 ounce plastic cup containing no preservatives was filled with soil.

Field Soil Sample Collection

Following the collection of laboratory samples, a portion of each soil sample was collected with disposable latex gloves and was placed into a glass canning jar for headspace field analysis in order to detect the presence of volatile and semivolatile organic compounds. Each jar was filled approximately one-half full with soil and the mouth was covered with a double layer of aluminum foil. A lid ring was then screwed on over the foil and the sample was shaken to disaggregate the soil. In order to prevent cross contamination, the sample collector's gloves were disposed of after the collection of each sample. The sample was allowed to warm to a temperature of 70° Fahrenheit

or warmer and to degas for approximately 30 minutes before analysis.

Groundwater Sample Collection

Groundwater samples were collected with a Geoprobe SP-15 screened stainless steel groundwater sampler. The SP-15 sampler was attached to the Geoprobe rods and was advanced until the water table was encountered. The sampler was then opened to allow groundwater to infiltrate into the hollow portion of the sampling unit. A section of disposable polyethylene tubing was then inserted down the probe rods, attached to a vacuum pump, and filled with groundwater.

The tubing was then retrieved and the groundwater was discharged into laboratory sample containers. For Volatile Organic Compounds analysis, three 40 milliliter glass vials were filled to a positive meniscus and preserved with hydrochloric acid and for Polychlorinated Biphenyls analysis, one 1 liter amber glass bottle was filled for each groundwater sample location.

3.4 Field Analysis Procedures

Each soil sample collected from the Tarco South site was analyzed on-site for geological and physical properties.

Visual Analysis

Each soil sample was analyzed, described and logged in the field by Midwest Environmental personnel. Information was recorded regarding the probehole location, the subsurface depth of each sample, the time of sample collection and the amount of soil recovered from each core. Any visible soil staining or noticeable odor present in the sample was also recorded. Other distinguishing characteristics such as the presence of organic material or other debris, mineral staining, mottling, layering and other soil structures were also noted.

Geological Analysis

Each sample was classified as to soil type in accordance with the Unified Soil Classification System and the soil color was determined with Munsell Soil Color Charts. The lithology and geologic origin of the component soil particles were noted and if applicable, the size of the soil grains were classified on a scale ranging from very fine to very coarse, the sorting of the grains were classified on a scale of well sorted to poorly sorted, and the shape of the grains were described on a spectrum of well rounded to angular.

Organic Vapor Analysis

A portable flame ionization detector (FID) was utilized for headspace field screening of soil samples collected from this site. The FID utilized for this project was a Foxboro "Century" Model 128 Organic Vapor Analyzer which was calibrated with zero air and 95 ppm methane calibration gas standards. After the soil samples were allowed to degas, the probe extension of the FID was introduced through the foil covering into the headspace of each field sample jar, and the highest stable reading within ten to twenty seconds was recorded.

3.5 Certified Laboratory Analysis Procedures

Selected soil and groundwater samples were preserved from each probe and were submitted to a certified laboratory for analysis.

Soil Analysis Parameters

Analysis for EPA Method 8260 Volatile Organic Compounds and EPA Method 8080

Polychlorinated Biphenyls were requested for the three soil samples collected from the soil/groundwater interface. EPA Method 6010 Total Arsenic was requested for the three soil samples collected from a subsurface depth of 4-6 feet at the site. The limit of detection and limit of quantitation for each analyte is included in the laboratory analysis report located in the Appendix Section.

Groundwater Analysis Parameters

Analysis for EPA Method 8260 Volatile Organic Compounds and EPA Method 8080

Polychlorinated Biphenyls were requested for the three groundwater samples collected from the soil/groundwater interface. The limit of detection and limit of quantitation for each analyte is included in the laboratory analysis report located in the Appendix Section.

Quality Control

After collection in the field, each laboratory sample container was labeled as to sample number, location, sample depth, time, date, and sample collector. The samples were immediately cooled to a temperature of less than 4° Celsius with ice, stored in an insulated shipping container, and transported by United Parcel Service to the certified laboratory for analysis. A laboratory-supplied chain of custody document was prepared, signed, and enclosed with the shipping container. Two methanol blanks and a trip blank containing laboratory grade water were enclosed along with the samples in the shipping container.



4.0 Soil Sample Analysis Results

This Phase II investigation consisted of field and laboratory analysis of soil and groundwater samples collected from the Tarco South property with a Geoprobe unit. The certified laboratory analysis report concerning the samples collected from this site is included in the Appendix Section and the results are summarized in the Soil and Groundwater Sample Data Tables.

4.1 Soil Sample Analysis Results - Probe P-1

The first probe advanced at this site was located in the southwest portion of the site, approximately 250 feet northwest of the southern tip of the property (please see Figure 3). Continuous soil samples were collected from 0-20 feet and from 66-76 feet, and soil samples were collected at 10 foot intervals from 20-60 feet. Each soil sample was analyzed in the field and two samples, one from near the surface of the site and one from the soil/groundwater interface, were preserved for certified laboratory analysis.

The soil encountered in Probe P-1 consisted predominantly of brown medium to coarse grained sand. The sand was generally moderately sorted and subrounded. Headspace analysis with the flame ionization detector resulted in only minor instrument responses of less than 0.5 units and no staining or significant odors were encountered (please see the Soil Boring Log Information Forms included in the Appendix Section). Groundwater was encountered at a subsurface depth of 76 feet.

Field Analysis

The first soil sample submitted from Probe P-1 for certified laboratory analysis was collected at a subsurface depth of 4-6 feet. This sample consisted of light yellowish brown, fine grained, well sorted sand. Headspace analysis with the flame ionization detector (FID) resulted in no detectable response and no staining or odor was noted in the sample.

A second sample was collected for laboratory analysis from the soil/groundwater interface in Probe P-1 at a depth of 75-76 feet. This sample consisted of brown, moderately sorted, medium to coarse grained sand which exhibited no FID response, odor, or staining.

Laboratory Analysis

The sample collected from 4-6 feet in Probe P-1 was reported by the certified laboratory to contain no detectable concentration of arsenic.

The sample collected from 75-76 feet was reported by the certified laboratory to contain no detectable concentrations of Volatile Organic Compounds (VOCs) or Polychlorinated Biphenyls (PCBs).

4.2 Soil Sample Analysis Results - Probe P-2

The second soil probe was positioned along the southwest boundary of the property, approximately 22 feet to the northwest of Probe P-1. This probe was advanced to a depth of 8 feet and one soil sample was preserved for certified laboratory analysis.

Field Analysis

The soil sample submitted for laboratory analysis from Probe P-2 was collected at a subsurface depth of 4-6 feet. This sample consisted of light yellowish brown, fine grained, moderately to well sorted sand. No staining or odor was noted in the sample.

Laboratory Analysis

The sample was reported by the certified laboratory to contain no detectable concentration of arsenic.

4.3 Soil Sample Analysis Results - Probe P-3

The third probe was located along the southwest boundary of the property, approximately 25 feet to the northwest of Probe P-2. This probe was advanced to a depth of 8 feet and one soil sample was preserved for certified laboratory analysis.

Field Analysis

The soil sample submitted for laboratory analysis from Probe P-3 was collected at a subsurface depth of 4-6 feet. This sample consisted of light yellowish brown, fine grained, well sorted sand which exhibited no staining or odor.

Laboratory Analysis

The sample was reported by the certified laboratory to contain no detectable concentration of arsenic.

4.4 Soil Sample Analysis Results - Probe P-4

Probe P-4 was located along the southwest boundary of the site in the central section of the property, approximately 300 feet northwest of Probe P-1. Continuous soil samples were collected from the intervals of 0-20 feet and 84-86 feet, and soil samples were collected at 10 foot intervals from 20-80 feet. Each sample was analyzed in the field and one soil sample was preserved for certified laboratory analysis.

The soil encountered in Probe P-4 consisted predominantly of brown medium to coarse grained sand. The sand was moderately to poorly sorted and subrounded. Headspace analysis with the FID resulted in only minor responses of less than 0.5 units and no staining or odors were encountered. Groundwater was encountered at a subsurface depth of 85 feet.

Field Analysis

One soil sample was collected from the soil/groundwater interface in P-4 at a depth of 84-85 feet. This sample consisted of yellowish brown, moderately sorted, medium to fine grained sand which exhibited no FID response, odor, or staining.

Laboratory Analysis

This sample was reported by the certified laboratory to contain no detectable concentrations of VOCs or PCBs.

4.5 Soil Sample Analysis Results - Probe P-5

Probe P-5 was located along the southwest boundary of the site in the northern portion of the

property, approximately 300 feet northwest of Probe P-4. Continuous soil samples were collected from 0-20 feet and soil samples were then collected at 10 foot intervals from 20-70 feet. Each sample was analyzed in the field and one sample was preserved for certified laboratory analysis.

The soil encountered in Probe P-5 consisted predominantly of yellowish brown medium to coarse grained sand. The sand was poorly sorted and subrounded. Headspace analysis with the FID resulted in only one response of 0.3 units and no staining or significant odors were encountered. Groundwater was encountered at a subsurface depth of approximately 70 feet.

Field Analysis

One soil sample was collected from the soil/groundwater interface in P-5 at a depth of 68-69 feet. This sample consisted of yellowish brown, moderately sorted, medium grained sand which exhibited no FID response, odor, or staining.

Laboratory Analysis

This sample was reported by the certified laboratory to contain no detectable concentrations of VOCs or PCBs.



5.0 Groundwater Sample Analysis Results

Groundwater samples were collected and analyzed from three probes during the Phase II investigation of the Tarco South property. The probes were located along the southwest border of the site, in the anticipated down-gradient position from the property. The field and laboratory analysis results for the probes at this site are summarized in the Groundwater Sample Data Table and are also depicted on the Groundwater Laboratory Results Map (Figure 3). The laboratory analysis report for the groundwater samples is included in the Appendix Section.

5.1 Groundwater Sample Analysis Results - Probe P-1

The first groundwater sample was collected from Probe P-1, which was located in the southwest portion of the site, approximately 250 feet to the north of the southern terminus of the property.

Field Analysis

The soil/groundwater interface in Probe P-1 was identified at approximately 76 feet below grade and the Screen Point-15 groundwater sampling unit was positioned to encompass a sample interval of 75-79 feet below grade. The groundwater sample collected from Probe P-1 was turbid in appearance but exhibited no indications of odor or free product.

Laboratory Analysis

The groundwater sample from Probe P-1 was analyzed by the certified laboratory for Volatile Organic Compounds and Polychlorinated Biphenyls. This sample was reported to contain detectable concentrations of three VOCs and no detectable concentrations of PCB compounds. The VOCs detected consisted of toluene (0.37 parts per billion or "ppb"), 1,1,1-trichloroethane (1.2 ppb), and trichloroethene (15 ppb).

5.2 Groundwater Sample Analysis Results - Probe P-4

A groundwater sample was also collected from Probe P-4, which was located in the west-central portion of the property, approximately 300 feet to the northwest of Probe P-1.

Field Analysis

The soil/groundwater interface in Probe P-4 was encountered at 85 feet below grade and the groundwater sampling unit was positioned to encompass a sample interval of 85-89 feet below grade. The groundwater sample collected from Probe P-4 was turbid in appearance and exhibited no odor or free product.

Laboratory Analysis

The groundwater sample from Probe P-4 was reported by the certified laboratory to contain a detectable concentration of one VOC, toluene (0.40 ppb), and no detectable concentrations of PCB compounds.

5.3 Groundwater Samples Analysis Results - Probe P-5

The final groundwater sample was collected from Probe P-5, which was located on the northwest

portion of the property, approximately 300 feet to the northwest of Probe P-4.

Field Analysis

The soil/groundwater interface in Probe P-5 was identified at approximately 70 feet below grade and the groundwater sampling unit was positioned to encompass a sample interval of 69-73 feet below grade. The groundwater sample collected from Probe P-5 was turbid in appearance and exhibited no odor or free product.

Laboratory Analysis

The groundwater sample from Probe P-5 was reported by the certified laboratory to contain a detectable concentration of one VOC, toluene (0.36 ppb), and no detectable concentrations of PCB compounds.



6.0 Conclusions

The following conclusions were based upon an analysis of the results of soil and groundwater sample analysis conducted during the Phase II investigation.

6.1 Soil Contamination

An examination of field analysis data concluded that no significant FID responses, staining, or odors were encountered in the soil samples collected from the probes conducted at the Tarco South site.

A review of certified laboratory analysis data concluded that no arsenic had been detected in the three soil samples collected from the property during the Phase II investigation. These samples were collected from the same area in which a soil sample from a previous investigation was reported to contain significant arsenic contamination.

The data also concluded that no Volatile Organic Compounds or Polychlorinated Biphenyl compounds had been detected in any of the three soil samples submitted for certified laboratory analysis from the soil/groundwater interface along the southwest boundary of the property.

6.2 Groundwater Contamination

Based upon certified laboratory data, it was concluded that three VOC compounds, toluene, 1,1,1-trichloroethane, and trichloroethene, were detected in the groundwater sample collected from Probe P-1, which was located on the southwest portion of the property. Toluene was also detected in Probe P-4, located on the west-central portion of the property and in Probe P-5, located on the northwest portion of the property.

Toluene, an aromatic hydrocarbon compound, is a common component of gasoline, solvents, detergents and dyes. Trichloroethene, a chlorinated hydrocarbon compound also known as 1,1,2-trichloroethylene or "TCE", is a common component of solvents, degreasers, drycleaning products and paints. The chlorinated hydrocarbon compound 1,1,1-trichloroethane is commonly found in solvents, degreasers, and pesticides.

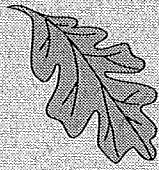
6.3 Groundwater Quality Standards

The State of Wisconsin has established Public Health Groundwater Quality Standards for chemical compounds which have been shown through research to be harmful to human health. The groundwater standards for these compounds are included in Chapter NR 140.10 of the Wisconsin Administrative Code. This statute establishes both a Preventive Action Limit and an Enforcement Standard for each compound of concern.

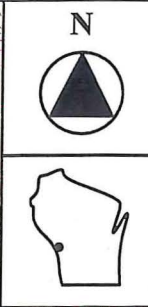
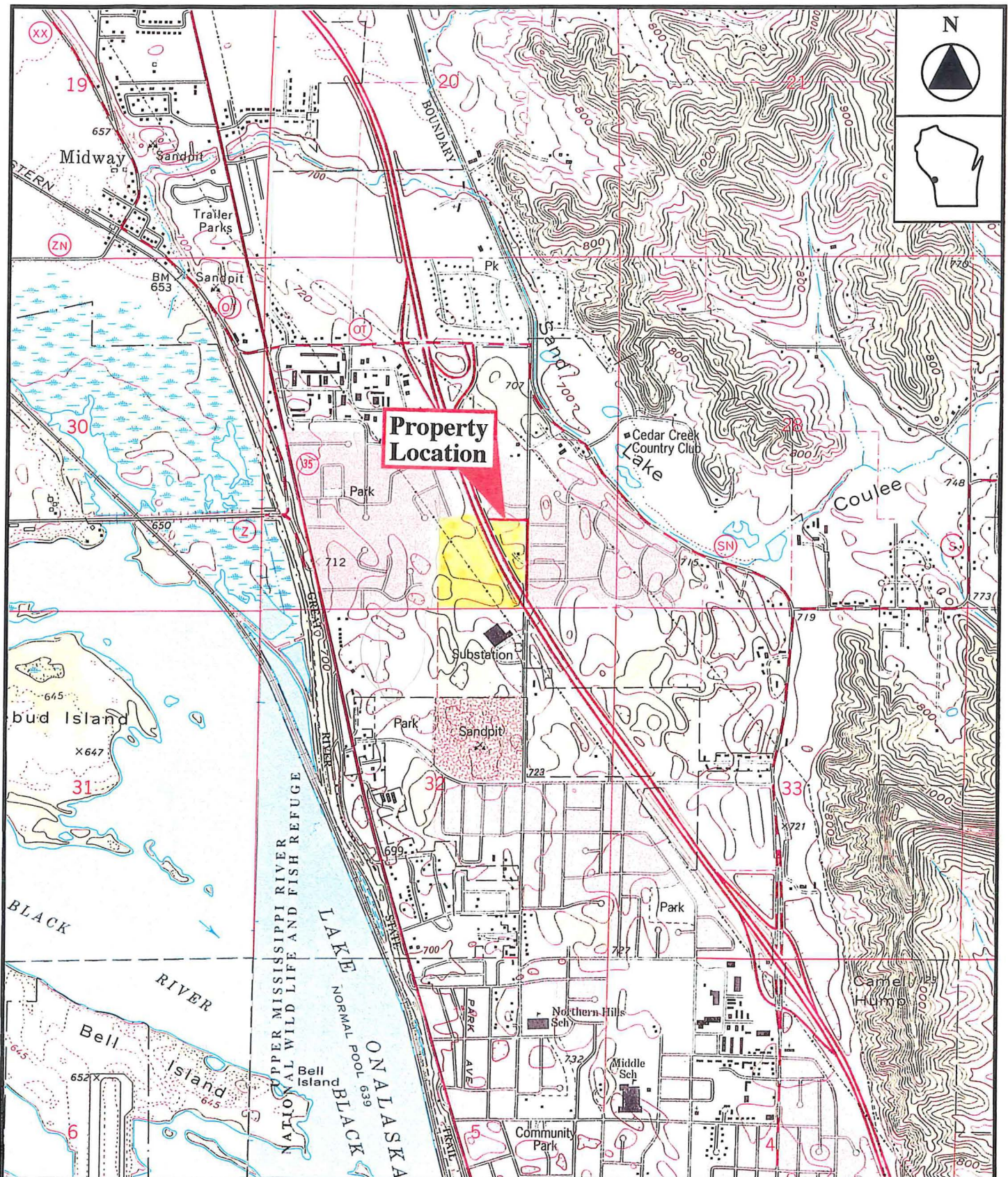
In general, a Preventive Action Limit (PAL) serves as an indicator of a potential contamination problem, and an Enforcement Standard (ES) serves as an indicator of a potential concern for public health which typically requires further investigation. The PAL for toluene is 68.6 ppb, the PAL for 1,1,1-trichloroethane is 40 ppb, and the PAL for trichloroethene is 0.5 ppb.

The concentrations of toluene (0.37 ppb) and 1,1,1-trichloroethane (1.2 ppb) detected in Probe P-1 were noted to be less than their respective Preventive Action Limits. However, the concentration of trichloroethene detected in Probe P-1 (15 ppb) was noted to be in excess of the Preventive Action Limit and to also be in excess of the Enforcement Standard of 5 ppb. In addition to being detected in P-1, toluene was also detected in Probes P-4 and P-5, but only in concentrations of 0.4 ppb or less. These concentrations were noted to be significantly less than the Preventive Action Limit for toluene of 68.6 ppb.

Due to the detection of trichloroethene in a concentration above the Groundwater Quality Enforcement Standard, the Wisconsin Department of Natural Resources would most likely require that additional investigative work be conducted at this site in accordance with Chapter NR 716 of the Wisconsin Administrative Code in order to determine the source, extent, and degree of the groundwater contamination.



Figures



**Midwest Environmental
Management Company**

**Tarco South Property
2100 East Avenue
Onalaska, Wisconsin**

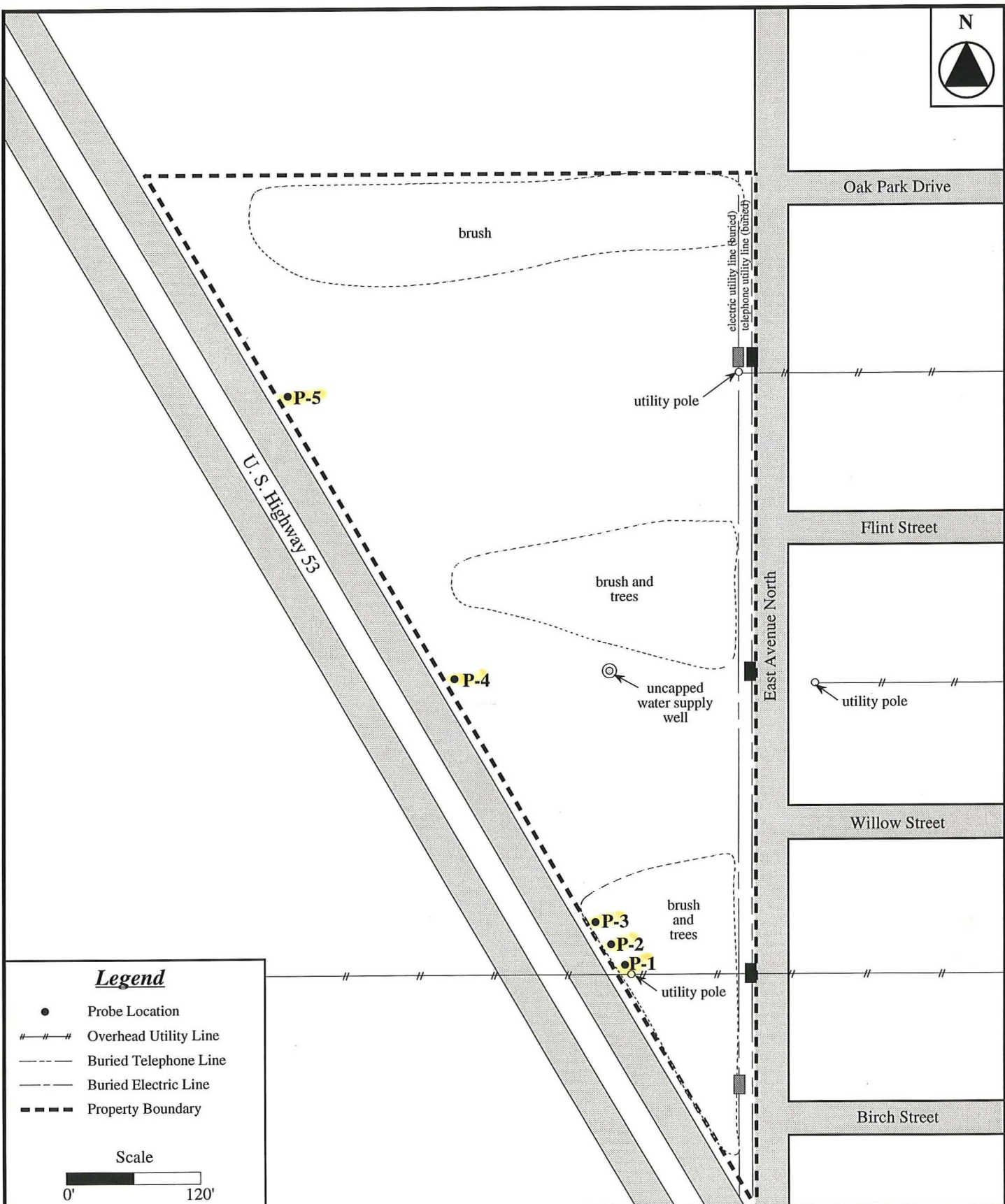
**FIGURE 1
Property Location Map**

Source: USGS Holmen and Onalaska, WI 7.5' Quadrangle Maps
Scale: 1"=2,000' Contour Interval: 20 Feet

Project Number: EA97967

Date: 6-9-97

By: RdM



Legend

- Probe Location
- # — # — Overhead Utility Line
- - - - Buried Telephone Line
- - - - Buried Electric Line
- - - - Property Boundary

Scale



**Midwest Environmental
Management Company**

**Tarco South Property
2100 East Avenue
Onalaska, Wisconsin**

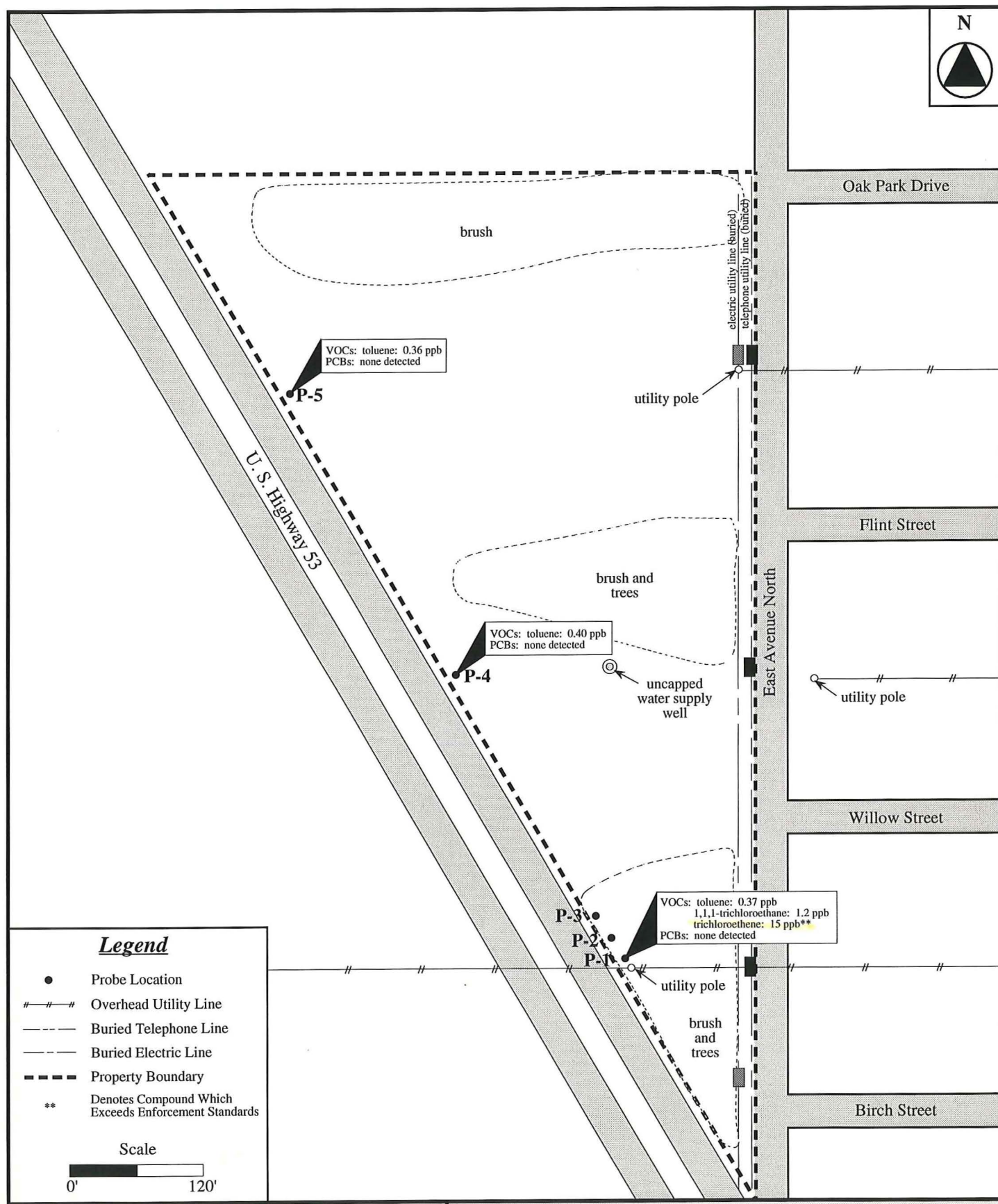
**FIGURE 2
Site Layout Map**

Project Number: EA97977

Drafted By: DM

Approved By: JH

Date: 10-3-97



Midwest Environmental Management Company

**Tarco South Property
2100 East Avenue
Onalaska, Wisconsin**

**FIGURE 3
Groundwater Laboratory Results Map**



Tables

Sample Interval	FIELD ANALYSIS		CERTIFIED LABORATORY ANALYSIS		
	Sample Description	FID Response	VOC	PCB	Arsenic
P-1 4'-6' BGL	Sand: fine grained, well sorted, subrounded, no odor or staining, USCS: SW, Munsell: 10YR-6/4.	0 units	----	----	none detected
P-1 75'-76' BGL	Sand: medium to coarse grained, moderately sorted, subrounded, no odor or staining, USCS: SP, Munsell: 10YR-5/3.	0 units	none detected	none detected	----
P-2 4'-6' BGL	Sand: fine grained, moderately to well sorted, subrounded, no odor or staining, USCS: SW, Munsell: 10YR-6/4.	-	----	----	none detected
P-3 4'-6' BGL	Sand: fine grained, well sorted, subrounded, no odor or staining, USCS: SW, Munsell: 10YR-6/4.	-	----	----	none detected
P-4 84'-85' BGL	Sand: medium to fine grained, moderately sorted, subrounded to rounded, no odor or staining, USCS: SP, Munsell: 10YR-5/4.	0 units	none detected	none detected	----
P-5 68'-69' BGL	Sand: medium grained, moderately sorted, subrounded, no odor or staining, USCS: SP, Munsell: 10YR-5/4.	0 units	none detected	none detected	----

BGL: below ground level
USCS: Unified Soil Classification System

VOC: Volatile Organic Compounds
PCB: Polychlorinated Biphenyls

FID: flame ionization detector



**Midwest Environmental
Management Company**

**Tarco South Property
2100 East Avenue North
Onalaska, Wisconsin**

SOIL SAMPLE DATA TABLE

Project Number: EA97977 | Drafted By: RdM | Approved By: JH | Date: 10-1-97

Sample Interval	FIELD ANALYSIS	CERTIFIED LABORATORY ANALYSIS	
	Sample Description	Volatile Organic Compounds	Polychlorinated Biphenyls
P-1 75'-79' BGL	turbid, no odor or free product	toluene: 0.37 ppb 1,1,1-trichloroethane: 1.2 ppb trichloroethene: 15 ppb**	none detected
P-4 85'-89' BGL	turbid, no odor or free product	toluene: 0.40 ppb	none detected
P-5 69'-73' BGL	turbid, no odor or free product	toluene: 0.36 ppb	none detected

* Denotes compound which exceeds Preventive Action Limit ** Denotes compound which exceeds Enforcement Standard ppm: parts per million / milligrams per liter ppb: parts per billion / micrograms per liter



Midwest Environmental Management Company

**Tarco South Property
2100 East Avenue North
Onalaska, Wisconsin**

GROUNDWATER SAMPLE DATA TABLE

Project Number: EA97977 Drafted By: RdM Approved By: JH Date: 10-1-97



Photographs



Photograph No. 1

This photograph depicts the bobcat-mounted Geoprobe unit advancing a soil probe at the location of Probe P-1 on the southwestern portion of the Tarco South property. This probe was located adjacent to a utility pole, which is visible on the left side of the photo, and a fence marking the southwest boundary of the property, which is visible in the background of the photo. Photographed toward the southwest.



Photograph No. 2

This photograph depicts the retrieval of a Geoprobe soil sample tube from Probe P-1. The crewman on the right is holding the probe rods which were used to advance the Large Bore sample tube, which is attached to the left end of the probe rods.



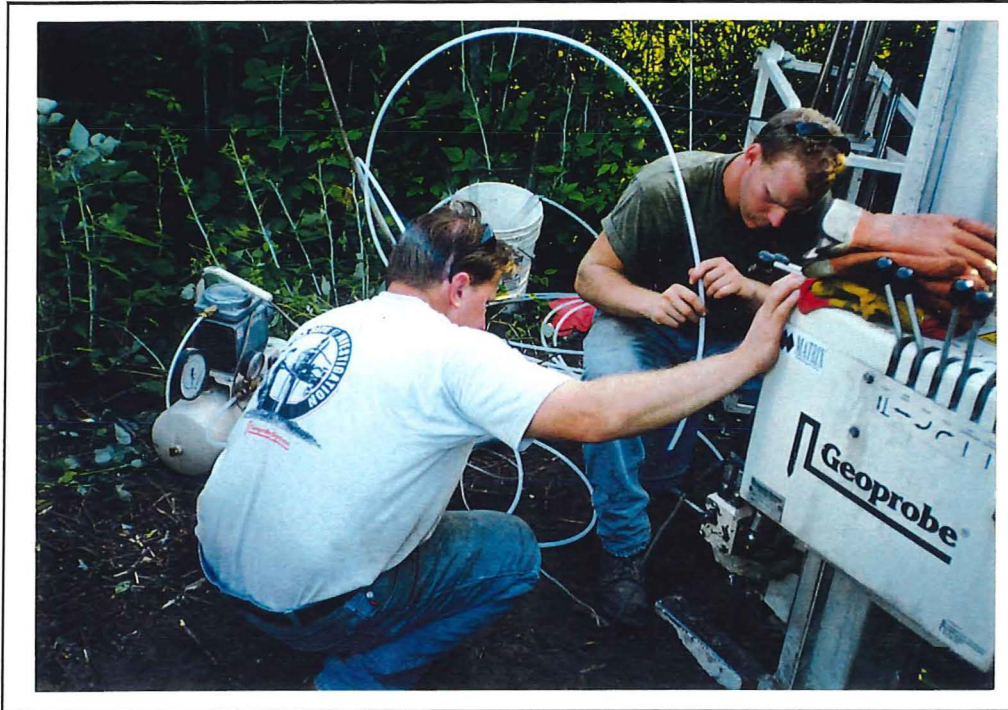
**Midwest Environmental
Management Company**

**Tarco South Property
2100 East Avenue North
Onalaska, Wisconsin**

**PHOTOGRAPHS
Page 1**

Project Number: EA97977

Date Photographed: 6-30-97



Photograph No. 3

This photograph depicts the collection of a groundwater sample from Probe P-1. The white plastic tubing had previously been inserted down the hollow portion of the probe rods to the water table, attached to the vacuum pump which is visible on the left, and then filled with groundwater from the aquifer. The tubing has now been retrieved from the probe rods and the groundwater sample will be drained from the tubing into laboratory sample containers.



Photograph No. 4

This photograph depicts the Geoprobe unit in operation at Probe P-4, located on the west-central portion of the Tarco South property. A chain link fence marking the boundary between the Tarco South property and the right-of-way for U.S. Highway 53 is visible in the foreground of the photo. Photographed toward the northeast.



**Midwest Environmental
Management Company**

**Tarco South Property
2100 East Avenue North
Onalaska, Wisconsin**

**PHOTOGRAPHS
Page 2**

Project Number: EA97977

Date Photographed: 6-30-97 and 7-1-97



Photograph No. 5

This photograph depicts the Geoprobe crew in the process of abandoning Probe P-4 with bentonite grout. The grout consisted of powdered bentonite mixed with water to form a viscous liquid which prevents migration within the abandoned probehole. The grout is being poured through a funnel into a tremie pipe, which conducts the grout into the probe hole.



Photograph No. 6

This photograph depicts the Geoprobe unit in operation at the location of Probe P-5, which was situated on the northwest portion of the site. The chain link fence on the right side of the photo marked the southwest border of the property. The land to the right of the fence contained the right-of-way for northbound U.S. Highway 53. Photographed toward the southeast.



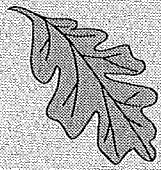
**Midwest Environmental
Management Company**

**Tarco South Property
2100 East Avenue North
Onalaska, Wisconsin**

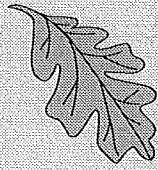
**PHOTOGRAPHS
Page 3**

Project Number: EA97977

Date Photographed: 7-1-97



Appendix



Soil Boring Log Information Forms

Facility/Project Name Tarco South Property		License/Permit/Monitoring Number _____		Boring Number P-1	
Boring Drilled By (Firm name and name of crew chief) Firm: Matrix Technologies, Inc. Chief: Dan Pipp		Date Drilling Started <u>0 6 / 3 0 / 9 7</u> M M D D Y Y		Date Drilling Completed <u>0 6 / 3 0 / 9 7</u> M M D D Y Y	
DNR Facility Well No. _____		WI Unique Well No. _____		Common Well Name _____	
Final Static Water Level _____ Feet MSL		Surface Elevation _____ Feet MSL		Borehole Diameter <u>2</u> inches	
Boring Location State Plane _____ N, _____ E S/C/N Lat _____ ° ' "				Local Grid Location (If applicable)	
SW 1/4 of SE 1/4 of Section <u>29</u> , T <u>17</u> N, R <u>7</u> E/W				<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County La Crosse		DNR County Code <u>3 2</u>		Civil Town/City/ of Village City of Onalaska	

Sample Number and Type	Length Att & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200			
1	48/42	----	0	Sand: fine grained, well sorted, subrounded, abundant organic material in upper 6", slight organic odor in upper 6", no visible staining, Munsell: 10YR-5/8.	SW			0.4								
2	48/42	----	4	Sand: fine grained, well sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-6/4.	SW			0								
3	48/42	----	8	Sand: fine grained, well sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-6/4.	SW			0.2								
4	48/42	----	12	Sand (12-14'): fine grained, well sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-6/4. Sand (14-16'): medium grained, moderately sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-6/3.	SW			0								
5	48/42	----	16	Sand: medium to coarse grained, moderately sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-6/3.	SP			0.1								
6	24/18	----	28	Sand: medium to coarse grained, poorly sorted, subrounded, scattered gravel, no noticeable odor or visible staining, Munsell: 10YR-5/3.	SP			0								
			30													

Geoprobe Sampler: 2" diameter Macro Core
FID: Foxboro Model 128 OVA; Headspace Method

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

Signature: Jason Hecht Firm: Midwest Environmental Management Company

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 \$5,000 for each violation. Fined 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.

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
7	24/24	----	38	Sand: gravel, medium to very coarse grained, poorly sorted, subrounded, abundant gravel (1-10 mm), no noticeable odor or visible staining, Munsell: 10YR-5/3.	SP			0.4						
8	24/18	----	40-48	Sand: medium to coarse grained, moderately sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-5/3.	SP			0.3						
9	24/24	----	50-58	Sand: medium to very coarse grained, poorly sorted, subrounded, trace gravel (3-5 mm), no noticeable odor or visible staining, Munsell: 10YR-5/3.	SP			0						
10	24/18	----	60-66	Sand: medium to coarse grained, poorly sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-5/3.	SP			0						
11	24/12	----	68	Sand: medium to coarse grained, moderately sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-5/3.	SP			0.1						
12	24/24	----	70	Sand: medium to coarse grained, moderately sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-5/3.	SP			0.4						
13	24/12	----	72	Sand: medium to coarse grained, moderately sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-5/3.	SP			0						
14	24/18	----	74	Sand: medium to coarse grained, moderately sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-5/3. Groundwater @ 76'.	SP			0						
			76	End of Probe @ 79.0'										

Geoprobe Sampler: 1.5" diameter Large Bore
 FID: Foxboro Model 128 OVA; Headspace Method

Facility/Project Name Tarco South Property		License/Permit/Monitoring Number _____		Boring Number P-2	
Boring Drilled By (Firm name and name of crew chief) Firm: Matrix Technologies, Inc. Chief: Dan Pipp		Date Drilling Started <u>0 7 / 0 1 / 9 7</u> M M D D Y Y		Date Drilling Completed <u>0 7 / 0 1 / 9 7</u> M M D D Y Y	
DNR Facility Well No. _____		WI Unique Well No. _____		Common Well Name _____	
Final Static Water Level _____ Feet MSL		Surface Elevation _____ Feet MSL		Borehole Diameter <u>2</u> inches	
Boring Location State Plane _____ N, _____ E S/C/N		Lat _____ _____ ' _____ ''		Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
SW 1/4 of SE 1/4 of Section <u>29</u> , T <u>17</u> N, R <u>7</u> E (W)		Long _____ _____ Feet		_____ Feet	
County La Crosse		DNR County Code <u>3 2</u>		Civil Town/City/ of Village City of Onalaska	

Sample Number and Type	Length Att & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200			
1	48/31	----	0	Sand: fine grained, moderately to well sorted, subrounded, scattered roots and organic material, no noticeable odor or visible staining, Munsell: 10YR-5/8.	SW			----								
2	48/36	----	4	Sand: fine grained, moderately to well sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-6/4.	SW			----								
			8	End of Probe @ 8.0'												

Geoprobe Sampler: 2" diameter Macro Core
FID: Foxboro Model 128 OVA; Headspace Method

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

Signature: Bennie Schatts Firm: Midwest Environmental Management Company

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 \$5,000 for each violation. Fined 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.

Facility/Project Name Tarco South Property		License/Permit/Monitoring Number		Boring Number P-3	
Boring Drilled By (Firm name and name of crew chief) Firm: Matrix Technologies, Inc. Chief: Dan Pipp		Date Drilling Started <u>0 7 / 0 1 / 9 7</u> M M D D Y Y		Date Drilling Completed <u>0 7 / 0 1 / 9 7</u> M M D D Y Y	
DNR Facility Well No.		WI Unique Well No.		Common Well Name	
Final Static Water Level _____ Feet MSL		Surface Elevation _____ Feet MSL		Borehole Diameter <u>2</u> inches	
Boring Location State Plane _____ N, _____ E S/C/N		Lat <u>0</u> ' "		Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
SW <u>1/4</u> of SE <u>1/4</u> of Section <u>29</u> , T <u>17</u> N, R <u>7</u> E/W		Long <u>0</u> ' "		Feet _____ Feet _____	
County La Crosse		DNR County Code <u>3 2</u>		Civil Town/City/ of Village City of Onalaska	

Sample Number and Type	Length Att & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID(FID)	Soil Properties					P 200	RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
1	48/40	----	0	Sand: fine to very fine grained, moderately to well sorted, subrounded, scattered roots and organic material, no noticeable odor or visible staining, Munsell: 10YR-5/8.	SW			----							
2	48/39	----	4	Sand: fine grained, well sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-6/4.	SW			----							
			8	End of Probe @ 8.0'											

Geoprobe Sampler: 2" diameter Macro Core
FID: Foxboro Model 128 OVA; Headspace Method

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

Signature: *Bernie Schatt* Firm: Midwest Environmental Management Company

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 \$5,000 for each violation. Fined 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.

Route To:

- Solid Waste
- Emergency Response
- Wastewater
- Superfund
- Haz. Waste
- Underground Tanks
- Water Resources
- Other Environmental Repair Program

Facility/Project Name Tarco South Property		License/Permit/Monitoring Number		Boring Number P-4	
Boring Drilled By (Firm name and name of crew chief) Firm: Matrix Technologies, Inc. Chief: Dan Pipp		Date Drilling Started 0 7 / 0 1 / 9 7 M M D D Y Y		Date Drilling Completed 0 7 / 0 1 / 9 7 M M D D Y Y	
DNR Facility Well No.		WI Unique Well No.		Common Well Name	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 2 inches	
Boring Location State Plane _____ N, _____ E S/C/N SW 1/4 of SE 1/4 of Section 29, T 17 N, R 7 E(W)				Local Grid Location (If applicable) Lat _____ ' " <input type="checkbox"/> N <input type="checkbox"/> E Long _____ ' " <input type="checkbox"/> S _____ ' " <input type="checkbox"/> W	
County La Crosse		DNR County Code 3 2		Civil Town/City/ of Village City of Onalaska	

Sample Number and Type	Length Att & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID(FID)	Soil Properties						RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200			
1	48/32	----	0	Sand: fine to very fine grained, moderately sorted, subrounded, roots and organic material, no noticeable odor or visible staining, Munsell: 10YR-5/8.	SP			0.2								
2	48/39	----	4	Sand: fine grained, moderately to well sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-6/4.	SW			0.1								
3	48/46	----	8	Sand: fine grained, moderately to well sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-6/4.	SW			0.2								
4	48/48	----	12	Sand: fine to medium grained, moderately sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-6/4.	SW			0.2								
5	48/47	----	16 20	Sand (16-17'): fine to medium grained, moderately sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-6/4. Sand (17-20'): medium to coarse grained, poorly to moderately sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-5/4.	SP			0.1								
6	24/12	----	28	Sand: medium to coarse grained, poorly to moderately sorted, subrounded to rounded, no noticeable odor or visible staining, Munsell: 10YR-5/3.	SP			0								
			30													

Geoprobe Sampler: 2" diameter Macro Core
FID: Foxboro Model 128 OVA; Headspace Method

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

Signature <i>Bernie Schatz</i>	Firm Midwest Environmental Management Company
-----------------------------------	--

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 \$5,000 for each violation. Fined 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.

Facility/Project Name Tarco South Property		License/Permit/Monitoring Number		Boring Number P-5	
Boring Drilled By (Firm name and name of crew chief) Firm: Matrix Technologies, Inc. Chief: Dan Pipp		Date Drilling Started 0 7 / 0 1 / 9 7 M M D D Y Y		Date Drilling Completed 0 7 / 0 2 / 9 7 M M D D Y Y	
DNR Facility Well No.		WI Unique Well No.		Common Well Name	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 2 inches	

Boring Location
State Plane _____ N, _____ E S/C/N Lat 0 ' " Local Grid Location (If applicable)
_____ SW 1/4 of SE 1/4 of Section 29, T 17 N, R 7 E(W) Long 0 ' " Feet N Feet E
Feet S Feet W

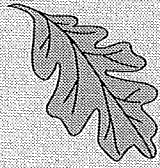
County La Crosse DNR County Code 3 2 Civil Town/City/ of Village City of Onalaska

Sample Number and Type	Length Att & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1	48/31	---	0	Sand: fine grained, poorly sorted, subrounded to subangular, abundant organic material, organic odor, no visible staining, Munsell: 10YR-4/3.	SP	[Dotted]		0							
2	48/33	---	4	Sand: fine to very fine grained, moderately to poorly sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-5/8.	SP	[Dotted]		0							Geoprobe Sampler: 2" diameter Macro Core FID: Foxboro Model 128 OVA; Headspace Method
3	48/40	---	8	Sand: fine to medium grained, moderately to poorly sorted, subrounded, no noticeable odor or visible staining, Munsell: 10YR-5/4.	SP	[Dotted]		0							
4	48/41	---	12	Sand (12-15'): medium grained, moderately to poorly sorted, subrounded to rounded, no noticeable odor or visible staining, Munsell: 10YR-5/4. Sand (15-16'): medium to very coarse grained, poorly sorted, rounded to well rounded, no noticeable odor or visible staining, Munsell: 10YR-5/4.	SP	[Dotted]		0							
5	48/39	---	16	Sand: medium to very coarse grained, poorly to very poorly sorted, rounded, gravel (3-5 mm), no noticeable odor or visible staining, Munsell: 10YR-5/4.	SP	[Dotted]		0							
6	24/14	---	28	Sand: coarse to very coarse grained, very poorly sorted, rounded, gravel (3-10 mm), no noticeable odor or visible staining, Munsell: 10YR-5/4.	SP	[Dotted]		0							
			30												

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

Signature Bennie Schmitt Firm Midwest Environmental Management Company

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 \$5,000 for each violation. Fined 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.



Borehole Abandonment Forms

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County La Crosse	Original Well Owner (If Known) Tarco South, Inc.	
SW 1/4 of SE 1/4 of Sec. 29; T. 17 N; R. 7 W		Present Well Owner Tarco South, Inc.	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route 2100 East Avenue North	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Onalaska, WI, 54650	
Civil Town Name Onalaska		Facility Well No. and/or Name (If Applicable) P-1	WI Unique Well No. _____
Street Address of Well 2100 East Avenue South		Reason For Abandonment Geoprobe Sample Collection Probe	
City, Village City of Onalaska		Date of Abandonment 7-1-1997	

WELL/DRILLHOLE/BOREHOLE INFORMATION

<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>6-30-1997</u></p> <p><input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole</p> <p>Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u></p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock</p> <p>Total Well Depth (ft.) <u>79</u> Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____</p> <p>Lower Drillhole Diameter (in.) <u>1.4</u></p> <p>Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet</p>	<p>(4) Depth to Water (Feet) _____</p> <p>Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If No, Explain _____</p> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____</p> <p>(6) Sealing Materials For monitoring wells and monitoring well boreholes only</p> <p><input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite</p> <p><input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input checked="" type="checkbox"/> Bentonite - Cement Grout</p>
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(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Bentonite-Cement Grout</u>	Surface	<u>79</u>	<u>12 GALLONS</u>		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Matrix Technologies, Inc.

Signature of Person Doing Work: James E. Allen Date Signed: 7-2-97

Street or Route: 8631 Jefferson Highway Telephone Number: (612) 424-4803

City, State, Zip Code: Osseo, Minnesota 55369

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County La Crosse	Original Well Owner (If Known) Tarco South, Inc.	
SW 1/4 of SE 1/4 of Sec. 29; T. 17 N; R. 7 W		Present Well Owner Tarco South, Inc.	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route 2100 East Avenue North	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Onalaska, WI, 54650	
Civil Town Name Onalaska		Facility Well No. and/or Name (If Applicable) P-2	WI Unique Well No. _____
Street Address of Well 2100 East Avenue South		Reason For Abandonment Geoprobe Sample Collection Probe	
City, Village City of Onalaska		Date of Abandonment 7-1-1997	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>7-1-1997</u></p> <p><input type="checkbox"/> Monitoring Well <input type="checkbox"/> Construction Report Available? <input type="checkbox"/> Water Well <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole</p> <p>Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u></p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock</p> <p>Total Well Depth (ft.) <u>8</u> Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____</p> <p>Lower Drillhole Diameter (in.) <u>2</u></p> <p>Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet</p>	<p>(4) Depth to Water (Feet) _____</p> <p>Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____</p> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____</p> <p>(6) Sealing Materials For monitoring wells and monitoring well boreholes only</p> <p><input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite</p> <p><input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout</p>

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Chipped Bentonite</u>	Surface	<u>8</u>	<u>1 GALLON</u>		

(8) Comments: _____

<p>(9) Name of Person or Firm Doing Sealing Work <u>Matrix Technologies, Inc.</u></p> <p>Signature of Person Doing Work: <u>[Signature]</u> Date Signed: <u>7-2-97</u></p> <p>Street or Route: <u>8631 Jefferson Highway</u> Telephone Number: <u>(612) 424-4803</u></p> <p>City, State, Zip Code: <u>Osseo, Minnesota 55369</u></p>	<p>(10) FOR DNR OR COUNTY USE ONLY</p> <p>Date Received/Inspected: _____ District/County: _____</p> <p>Reviewer/Inspector: _____ <input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work</p> <p>Follow-up Necessary: _____</p>
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All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County <u>La Crosse</u>	Original Well Owner (If Known) <u>Tarco South, Inc.</u>	
<u>SW</u> 1/4 of <u>SE</u> 1/4 of Sec. <u>29</u> ; T. <u>17</u> N; R. <u>7</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If applicable)		Present Well Owner <u>Tarco South, Inc.</u>	
Grid Location Gov't Lot _____ Grid Number _____ _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		Street or Route <u>2100 East Avenue North</u>	
Civil Town Name <u>Onalaska</u>		City, State, Zip Code <u>Onalaska, WI, 54650</u>	Facility Well No. and/or Name (If Applicable) <u>P-3</u>
Street Address of Well <u>2100 East Avenue South</u>		Reason For Abandonment <u>Geoprobe Sample Collection Probe</u>	
City, Village <u>City of Onalaska</u>		Date of Abandonment <u>7-1-1997</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>7-1-1997</u> <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Construction Report Available? <input type="checkbox"/> Water Well <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>	(4) Depth to Water (Feet) _____ Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____ Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) <u>8</u> Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) <u>2</u> Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____ (6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite - Cement Grout <input checked="" type="checkbox"/> Chipped Bentonite

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Chipped Bentonite</u>	<u>Surface</u>	<u>8</u>	<u>1 GALLON</u>		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work <u>Matrix Technologies, Inc.</u>	
Signature of Person Doing Work <u>James E. Allen</u>	Date Signed <u>7-2-97</u>
Street or Route <u>8631 Jefferson Highway</u>	Telephone Number <u>(612) 424-4803</u>
City, State, Zip Code <u>Osseo, Minnesota 55369</u>	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County La Crosse	Original Well Owner (If Known) Tarco South, Inc.	
SW 1/4 of SE 1/4 of Sec. 29 ; T. 17 N; R. 7 <input type="checkbox"/> E <input checked="" type="checkbox"/> W		Present Well Owner Tarco South, Inc.	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route 2100 East Avenue North	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Onalaska, WI, 54650	
Civil Town Name Onalaska		Facility Well No. and/or Name (If Applicable) P-4	WI Unique Well No. _____
Street Address of Well 2100 East Avenue South		Reason For Abandonment Geoprobe Sample Collection Probe	
City, Village City of Onalaska		Date of Abandonment 7-1-1997	

WELL/DRILLHOLE/BOREHOLE INFORMATION

<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>7-1-1997</u></p> <p><input type="checkbox"/> Monitoring Well Construction Report Available? <input type="checkbox"/> Water Well <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole</p> <p>Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u></p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock</p> <p>Total Well Depth (ft.) <u>89</u> Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____</p> <p>Lower Drillhole Diameter (in.) <u>1.4</u></p> <p>Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet</p>	<p>(4) Depth to Water (Feet) _____</p> <p>Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____</p> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)</p> <p>(6) Sealing Materials For monitoring wells and monitoring well boreholes only</p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> Neat Cement Grout</td> <td><input type="checkbox"/> Bentonite Pellets</td> </tr> <tr> <td><input type="checkbox"/> Sand-Cement (Concrete) Grout</td> <td><input type="checkbox"/> Granular Bentonite</td> </tr> <tr> <td><input type="checkbox"/> Concrete</td> <td><input checked="" type="checkbox"/> Bentonite - Cement Grout</td> </tr> <tr> <td><input type="checkbox"/> Clay-Sand Slurry</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Bentonite-Sand Slurry</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Chipped Bentonite</td> <td></td> </tr> </table>	<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Bentonite Pellets	<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Bentonite - Cement Grout	<input type="checkbox"/> Clay-Sand Slurry		<input type="checkbox"/> Bentonite-Sand Slurry		<input type="checkbox"/> Chipped Bentonite	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Bentonite Pellets												
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Granular Bentonite												
<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Bentonite - Cement Grout												
<input type="checkbox"/> Clay-Sand Slurry													
<input type="checkbox"/> Bentonite-Sand Slurry													
<input type="checkbox"/> Chipped Bentonite													

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or (Volume)	(Circle One)	Mix Ratio or Mud Weight
<u>Bentonite - Cement Grout</u>	Surface	<u>89</u>	<u>13 GALLONS</u>		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Matrix Technologies, Inc.

Signature of Person Doing Work <u>[Signature]</u>	Date Signed <u>7-2-97</u>
Street or Route <u>8631 Jefferson Highway</u>	Telephone Number <u>(612) 424-4803</u>
City, State, Zip Code <u>Osseo, Minnesota 55369</u>	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County La Crosse	Original Well Owner (If Known) Tarco South, Inc.	
SW 1/4 of SE 1/4 of Sec. 29; T. 17 N; R. 7 W		Present Well Owner Tarco South, Inc.	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route 2100 East Avenue North	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Onalaska, WI, 54650	
Civil Town Name Onalaska		Facility Well No. and/or Name (If Applicable) P-5	WI Unique Well No. _____
Street Address of Well 2100 East Avenue South		Reason For Abandonment Geoprobe Sample Collection Probe	
City, Village City of Onalaska		Date of Abandonment 7-2-1997	

WELL/DRILLHOLE/BOREHOLE INFORMATION

<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>7-2-1997</u></p> <p><input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole</p> <p>Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u></p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock</p> <p>Total Well Depth (ft.) <u>73</u> Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____</p> <p>Lower Drillhole Diameter (in.) <u>1.4</u></p> <p>Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet</p>	<p>(4) Depth to Water (Feet) _____</p> <p>Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If No, Explain _____</p> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____</p> <p>(6) Sealing Materials For monitoring wells and monitoring well boreholes only</p> <p><input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite</p> <p><input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input checked="" type="checkbox"/> Bentonite - Cement Grout</p>
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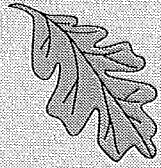
(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Bentonite - Cement Grout</u>	Surface	<u>73</u>	<u>11 GALLONS</u>		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Matrix Technologies, Inc.

Signature of Person Doing Work <i>James E. Allen</i>	Date Signed 7-2-97
Street or Route 8631 Jefferson Highway	Telephone Number (612) 424-4803
City, State, Zip Code Osseo, Minnesota 55369	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	



**Certified Laboratory
Analysis Report**



1795 Industrial Drive
Green Bay, WI 54302
920-469-2436
800-7-ENCHEM
FAX: 920-469-8827

- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

WI DNR LAB ID : 40513270

Client: MIDWEST ENVIRONMENTAL

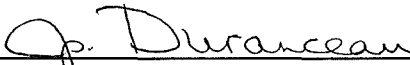
Report Date : 7/18/97

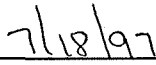
Sample No.	Field ID	Collection Date	Sample No.	Field ID	Collection Date
870970-001	P-1 4'-6'	6/30/97			
870970-002	P-1 75'-76'	6/30/97			
870970-003	P-1 GW	6/30/97			
870970-004	P-2 4'-6'	7/1/97			
870970-005	P-3 4'-6'	7/1/97			
870970-006	P-4 84'-85'	7/1/97			
870970-007	P-4 GW	7/1/97			
870970-008	P-5 68'-69'	7/2/97			
870970-009	P-5 GW	7/2/97			
870970-010	METH TRIP	7/2/97			
870970-011	TRIP BLANK	7/2/97			

The "Q" flag is present when a parameter has been detected below the LOQ. This indicates the results are qualified due to the uncertainty of the parameter concentration between the LOD and the LOQ.

Soil VOC detects are corrected for the total solids, unless otherwise noted.

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample narrative. Release of this final report is authorized by Laboratory management, as is verified by the following signature.


Approval Signature


Date



1795 Industrial Drive
Green Bay, WI 54302
920-469-2436
800-7-ENCHEM
FAX: 920-469-8827

- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Client : MIDWEST ENVIRONMENTAL

Field ID : P-1 4'-6'

Report Date : 7/18/97

Lab Sample Number : 870970-001

Collection Date : 6/30/97

WI DNR LAB ID : 40513270

Matrix Type : SOIL

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method	Analys
Arsenic	< 0.93	0.93	3.0		mg/kg		7/9/97	SW846 3051	SW846 6010	MSB
Solids, percent	93.6				%		7/7/97	SM2540G	SM2540G	PHS

All soil results are reported on a dry weight basis unless otherwise noted.



1795 Industrial Drive
Green Bay, WI 54302
920-469-2436
800-7-ENCHEM
FAX: 920-469-8827

- Analytical Report -

Project Name : TARCO SOUTH PROPERTY
Project Number : EA97977
Field ID : P-1 75'-76'
Lab Sample Number : 870970-002
WI DNR LAB ID : 40513270

Client : MIDWEST ENVIRONMENTAL
Report Date : 7/18/97
Collection Date : 6/30/97
Matrix Type : SOIL

Organic Results

EPA 8260 VOLATILE LIST - SOIL/METHANOL

Prep Method: SW846 5030

Prep Date: 7/7/97

Analyst: RJN

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
Bromobenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
Bromochloromethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
Bromodichloromethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
Bromoform	< 25	25	60		ug/kg		7/7/97	SW846 8260
Bromomethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
s-Butylbenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
t-Butylbenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
n-Butylbenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
Carbon tetrachloride	< 25	25	60		ug/kg		7/7/97	SW846 8260
Chloroform	< 25	25	60		ug/kg		7/7/97	SW846 8260
Chlorobenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
Chlorodibromomethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
Chloroethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
Chloromethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
2-Chlorotoluene	< 25	25	60		ug/kg		7/7/97	SW846 8260
4-Chlorotoluene	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,2-Dibromoethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
Dibromomethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,3-Dichlorobenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,4-Dichlorobenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,2-Dichloroethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,2-Dichlorobenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,1-Dichloroethene	< 25	25	60		ug/kg		7/7/97	SW846 8260
cis-1,2-Dichloroethene	< 25	25	60		ug/kg		7/7/97	SW846 8260
Dichlorodifluoromethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
trans-1,2-Dichloroethene	< 25	25	60		ug/kg		7/7/97	SW846 8260

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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Client : MIDWEST ENVIRONMENTAL

Field ID : P-1 75'-76'

Report Date : 7/18/97

Lab Sample Number : 870970-002

Collection Date : 6/30/97

WI DNR LAB ID : 40513270

Matrix Type : SOIL

1,2-Dichloropropane	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,1-Dichloroethane	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,3-Dichloropropane	< 25	25	60	ug/kg	7/7/97	SW846 8260
2,2-Dichloropropane	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,1-Dichloropropene	< 25	25	60	ug/kg	7/7/97	SW846 8260
cis-1,3-Dichloropropene	< 25	25	60	ug/kg	7/7/97	SW846 8260
trans-1,3-Dichloropropene	< 25	25	60	ug/kg	7/7/97	SW846 8260
Diisopropyl ether	< 25	25	60	ug/kg	7/7/97	SW846 8260
Ethylbenzene	< 25	25	60	ug/kg	7/7/97	SW846 8260
Fluorotrichloromethane	< 25	25	60	ug/kg	7/7/97	SW846 8260
Hexachlorobutadiene	< 25	25	60	ug/kg	7/7/97	SW846 8260
Isopropylbenzene	< 25	25	60	ug/kg	7/7/97	SW846 8260
p-Isopropyltoluene	< 25	25	60	ug/kg	7/7/97	SW846 8260
Methylene chloride	< 25	25	60	ug/kg	7/7/97	SW846 8260
Methyl-tert-butyl-ether	< 25	25	60	ug/kg	7/7/97	SW846 8260
Naphthalene	< 25	25	60	ug/kg	7/7/97	SW846 8260
n-Propylbenzene	< 25	25	60	ug/kg	7/7/97	SW846 8260
Styrene	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 25	25	60	ug/kg	7/7/97	SW846 8260
Tetrachloroethene	< 25	25	60	ug/kg	7/7/97	SW846 8260
Toluene	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,2,3-Trichlorobenzene	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,2,4-Trichlorobenzene	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,1,1-Trichloroethane	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,1,2-Trichloroethane	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,2,4-Trimethylbenzene	< 25	25	60	ug/kg	7/7/97	SW846 8260
Trichloroethene	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,2,3-Trichloropropane	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,3,5-Trimethylbenzene	< 25	25	60	ug/kg	7/7/97	SW846 8260
Vinyl chloride	< 25	25	60	ug/kg	7/7/97	SW846 8260
Xylenes, -m, -p	< 25	25	60	ug/kg	7/7/97	SW846 8260
Xylene, -o	< 25	25	60	ug/kg	7/7/97	SW846 8260
4-Bromofluorobenzene	86			%Recov	7/7/97	SW846 8260
Dibromofluoromethane	94			%Recov	7/7/97	SW846 8260

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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Field ID : P-1 75'-76'

Lab Sample Number : 870970-002

WI DNR LAB ID : 40513270

Client : MIDWEST ENVIRONMENTAL

Report Date : 7/18/97

Collection Date : 6/30/97

Matrix Type : SOIL

Toluene-d8	92	%Recov	7/7/97	SW846 8260
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Organic Results

PCB LIST - SOIL

Prep Method: SW846 3550

Prep Date:

Analyst: MAD

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 3.4	3.4	11		ug/kg		7/10/97	SW846 8080
Aroclor 1221	< 3.4	3.4	11		ug/kg		7/10/97	SW846 8080
Aroclor 1232	< 3.4	3.4	11		ug/kg		7/10/97	SW846 8080
Aroclor 1242	< 3.4	3.4	11		ug/kg		7/10/97	SW846 8080
Aroclor 1248	< 3.4	3.4	11		ug/kg		7/10/97	SW846 8080
Aroclor 1254	< 3.4	3.4	11		ug/kg		7/10/97	SW846 8080
Aroclor 1260	< 3.4	3.4	11		ug/kg		7/10/97	SW846 8080

All soil results are reported on a dry weight basis unless otherwise noted.



- Analytical Report -

Project Name : TARCO SOUTH PROPERTY
Project Number : EA97977
Field ID : P-1 GW
Lab Sample Number : 870970-003
WI DNR LAB ID : 40513270

Client : MIDWEST ENVIRONMENTAL
Report Date : 7/18/97
Collection Date : 6/30/97
Matrix Type : WATER

Organic Results

EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030

Prep Date: 7/8/97

Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L		7/8/97	SW846 8260
Bromobenzene	< 0.29	0.29	0.92		ug/L		7/8/97	SW846 8260
Bromochloromethane	< 0.29	0.29	0.92		ug/L		7/8/97	SW846 8260
Bromodichloromethane	< 0.18	0.18	0.57		ug/L		7/8/97	SW846 8260
Bromoform	< 0.31	0.31	0.99		ug/L		7/8/97	SW846 8260
Bromomethane	< 0.30	0.30	0.96		ug/L		7/8/97	SW846 8260
s-Butylbenzene	< 0.23	0.23	0.73		ug/L		7/8/97	SW846 8260
t-Butylbenzene	< 0.24	0.24	0.76		ug/L		7/8/97	SW846 8260
n-Butylbenzene	< 0.31	0.31	0.99		ug/L		7/8/97	SW846 8260
Carbon tetrachloride	< 0.23	0.23	0.73		ug/L		7/8/97	SW846 8260
Chloroform	< 0.25	0.25	0.80		ug/L		7/8/97	SW846 8260
Chlorobenzene	< 0.27	0.27	0.86		ug/L		7/8/97	SW846 8260
Chlorodibromomethane	< 0.23	0.23	0.73		ug/L		7/8/97	SW846 8260
Chloroethane	< 0.25	0.25	0.80		ug/L		7/8/97	SW846 8260
Chloromethane	< 0.15	0.15	0.48		ug/L		7/8/97	SW846 8260
2-Chlorotoluene	< 0.27	0.27	0.86		ug/L		7/8/97	SW846 8260
4-Chlorotoluene	< 0.30	0.30	0.96		ug/L		7/8/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 0.58	0.58	1.8		ug/L		7/8/97	SW846 8260
1,2-Dibromoethane	< 0.24	0.24	0.76		ug/L		7/8/97	SW846 8260
Dibromomethane	< 0.28	0.28	0.89		ug/L		7/8/97	SW846 8260
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		7/8/97	SW846 8260
1,4-Dichlorobenzene	< 0.29	0.29	0.92		ug/L		7/8/97	SW846 8260
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L		7/8/97	SW846 8260
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L		7/8/97	SW846 8260
1,1-Dichloroethene	< 0.28	0.28	0.89		ug/L		7/8/97	SW846 8260
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		7/8/97	SW846 8260
Dichlorodifluoromethane	< 0.25	0.25	0.80		ug/L		7/8/97	SW846 8260
trans-1,2-Dichloroethene	< 0.25	0.25	0.80		ug/L		7/8/97	SW846 8260



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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Client : MIDWEST ENVIRONMENTAL

Field ID : P-1 GW

Report Date : 7/18/97

Lab Sample Number : 870970-003

Collection Date : 6/30/97

WI DNR LAB ID : 40513270

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L		7/18/97	SW846 8260
1,1-Dichloroethane	< 0.26	0.26	0.83	ug/L		7/18/97	SW846 8260
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L		7/18/97	SW846 8260
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L		7/18/97	SW846 8260
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L		7/18/97	SW846 8260
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L		7/18/97	SW846 8260
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L		7/18/97	SW846 8260
Diisopropyl ether	< 0.43	0.43	1.4	ug/L		7/18/97	SW846 8260
Ethylbenzene	< 0.23	0.23	0.73	ug/L		7/18/97	SW846 8260
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L		7/18/97	SW846 8260
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L		7/18/97	SW846 8260
Isopropylbenzene	< 0.27	0.27	0.86	ug/L		7/18/97	SW846 8260
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L		7/18/97	SW846 8260
Methylene chloride	< 0.22	0.22	0.70	ug/L		7/18/97	SW846 8260
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L		7/18/97	SW846 8260
Naphthalene	< 0.66	0.66	2.1	ug/L		7/18/97	SW846 8260
n-Propylbenzene	< 0.27	0.27	0.86	ug/L		7/18/97	SW846 8260
Styrene	< 0.19	0.19	0.61	ug/L		7/18/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L		7/18/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L		7/18/97	SW846 8260
Tetrachloroethene	< 0.27	0.27	0.86	ug/L		7/18/97	SW846 8260
Toluene	0.37	0.28	0.89	ug/L	Q	7/18/97	SW846 8260
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L		7/18/97	SW846 8260
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L		7/18/97	SW846 8260
1,1,1-Trichloroethane	1.2	0.27	0.86	ug/L		7/18/97	SW846 8260
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L		7/18/97	SW846 8260
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L		7/18/97	SW846 8260
Trichloroethene	15	0.20	0.64	ug/L		7/18/97	SW846 8260
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L		7/18/97	SW846 8260
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L		7/18/97	SW846 8260
Vinyl chloride	< 0.23	0.23	0.73	ug/L		7/18/97	SW846 8260
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L		7/18/97	SW846 8260
Xylene, -o	< 0.28	0.28	0.89	ug/L		7/18/97	SW846 8260
4-Bromofluorobenzene	102			%Recov		7/18/97	SW846 8260
Dibromofluoromethane	98			%Recov		7/18/97	SW846 8260



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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Field ID : P-1 GW

Lab Sample Number : 870970-003

WI DNR LAB ID : 40513270

Client : MIDWEST ENVIRONMENTAL

Report Date : 7/18/97

Collection Date : 6/30/97

Matrix Type : WATER

Toluene-d8	99	%Recov	7/8/97	SW846 8260
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Organic Results

PCB LIST - WATER

Prep Method: SW846 3510

Prep Date:

Analyst: MAD

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 0.12	0.12	0.38		ug/L		7/9/97	SW846 8080
Aroclor 1221	< 0.12	0.12	0.38		ug/L		7/9/97	SW846 8080
Aroclor 1232	< 0.12	0.12	0.38		ug/L		7/9/97	SW846 8080
Aroclor 1242	< 0.12	0.12	0.38		ug/L		7/9/97	SW846 8080
Aroclor 1248	< 0.12	0.12	0.38		ug/L		7/9/97	SW846 8080
Aroclor 1254	< 0.12	0.12	0.38		ug/L		7/9/97	SW846 8080
Aroclor 1260	< 0.12	0.12	0.38		ug/L		7/9/97	SW846 8080



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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY
Project Number : EA97977
Field ID : P-2 4'-6'
Lab Sample Number : 870970-004
WI DNR LAB ID : 40513270

Client : MIDWEST ENVIRONMENTAL
Report Date : 7/18/97
Collection Date : 7/1/97
Matrix Type : SOIL

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method	Analys
Arsenic	< 0.91	0.91	2.9		mg/kg		7/9/97	SW846 3051	SW846 6010	MSB
Solids, percent	93.5				%		7/7/97	SM2540G	SM2540G	PHS

All soil results are reported on a dry weight basis unless otherwise noted.



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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Client : MIDWEST ENVIRONMENTAL

Field ID : P-3 4'-6'

Report Date : 7/18/97

Lab Sample Number : 870970-005

Collection Date : 7/1/97

WI DNR LAB ID : 40513270

Matrix Type : SOIL

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method	Analys
Arsenic	< 0.93	0.93	3.0		mg/kg		7/16/97	SW846 3051	SW846 6010	MWM
Solids, percent	92.2				%		7/7/97	SM2540G	SM2540G	PHS

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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Field ID : P-4 84'-85'

Lab Sample Number : 870970-006

WI DNR LAB ID : 40513270

Client : MIDWEST ENVIRONMENTAL

Report Date : 7/18/97

Collection Date : 7/1/97

Matrix Type : SOIL

Organic Results

EPA 8260 VOLATILE LIST - SOIL/METHANOL

Prep Method: SW846 5030

Prep Date: 7/7/97

Analyst:

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
Bromobenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
Bromochloromethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
Bromodichloromethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
Bromoform	< 25	25	60		ug/kg		7/7/97	SW846 8260
Bromomethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
s-Butylbenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
t-Butylbenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
n-Butylbenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
Carbon tetrachloride	< 25	25	60		ug/kg		7/7/97	SW846 8260
Chloroform	< 25	25	60		ug/kg		7/7/97	SW846 8260
Chlorobenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
Chlorodibromomethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
Chloroethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
Chloromethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
2-Chlorotoluene	< 25	25	60		ug/kg		7/7/97	SW846 8260
4-Chlorotoluene	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,2-Dibromoethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
Dibromomethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,3-Dichlorobenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,4-Dichlorobenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,2-Dichloroethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,2-Dichlorobenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,1-Dichloroethene	< 25	25	60		ug/kg		7/7/97	SW846 8260
cis-1,2-Dichloroethene	< 25	25	60		ug/kg		7/7/97	SW846 8260
Dichlorodifluoromethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
trans-1,2-Dichloroethene	< 25	25	60		ug/kg		7/7/97	SW846 8260

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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Client : MIDWEST ENVIRONMENTAL

Field ID : P-4 84'-85'

Report Date : 7/18/97

Lab Sample Number : 870970-006

Collection Date : 7/1/97

WI DNR LAB ID : 40513270

Matrix Type : SOIL

1,2-Dichloropropane	< 25	25	60	ug/kg	7/1/97	SW846 8260
1,1-Dichloroethane	< 25	25	60	ug/kg	7/1/97	SW846 8260
1,3-Dichloropropane	< 25	25	60	ug/kg	7/1/97	SW846 8260
2,2-Dichloropropane	< 25	25	60	ug/kg	7/1/97	SW846 8260
1,1-Dichloropropene	< 25	25	60	ug/kg	7/1/97	SW846 8260
cis-1,3-Dichloropropene	< 25	25	60	ug/kg	7/1/97	SW846 8260
trans-1,3-Dichloropropene	< 25	25	60	ug/kg	7/1/97	SW846 8260
Diisopropyl ether	< 25	25	60	ug/kg	7/1/97	SW846 8260
Ethylbenzene	< 25	25	60	ug/kg	7/1/97	SW846 8260
Fluorotrchloromethane	< 25	25	60	ug/kg	7/1/97	SW846 8260
Hexachlorobutadiene	< 25	25	60	ug/kg	7/1/97	SW846 8260
Isopropylbenzene	< 25	25	60	ug/kg	7/1/97	SW846 8260
p-Isopropyltoluene	< 25	25	60	ug/kg	7/1/97	SW846 8260
Methylene chloride	< 25	25	60	ug/kg	7/1/97	SW846 8260
Methyl-tert-butyl-ether	< 25	25	60	ug/kg	7/1/97	SW846 8260
Naphthalene	< 25	25	60	ug/kg	7/1/97	SW846 8260
n-Propylbenzene	< 25	25	60	ug/kg	7/1/97	SW846 8260
Styrene	< 25	25	60	ug/kg	7/1/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 25	25	60	ug/kg	7/1/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 25	25	60	ug/kg	7/1/97	SW846 8260
Tetrachloroethene	< 25	25	60	ug/kg	7/1/97	SW846 8260
Toluene	< 25	25	60	ug/kg	7/1/97	SW846 8260
1,2,3-Trichlorobenzene	< 25	25	60	ug/kg	7/1/97	SW846 8260
1,2,4-Trichlorobenzene	< 25	25	60	ug/kg	7/1/97	SW846 8260
1,1,1-Trichloroethane	< 25	25	60	ug/kg	7/1/97	SW846 8260
1,1,2-Trichloroethane	< 25	25	60	ug/kg	7/1/97	SW846 8260
1,2,4-Trimethylbenzene	< 25	25	60	ug/kg	7/1/97	SW846 8260
Trichloroethene	< 25	25	60	ug/kg	7/1/97	SW846 8260
1,2,3-Trichloropropane	< 25	25	60	ug/kg	7/1/97	SW846 8260
1,3,5-Trimethylbenzene	< 25	25	60	ug/kg	7/1/97	SW846 8260
Vinyl chloride	< 25	25	60	ug/kg	7/1/97	SW846 8260
Xylenes, -m, -p	< 25	25	60	ug/kg	7/1/97	SW846 8260
Xylene, -o	< 25	25	60	ug/kg	7/1/97	SW846 8260
4-Bromofluorobenzene	87			%Recov	7/1/97	SW846 8260
Dibromofluoromethane	90			%Recov	7/1/97	SW846 8260

All soil results are reported on a dry weight basis unless otherwise noted.



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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Field ID : P-4 84'-85'

Lab Sample Number : 870970-006

WI DNR LAB ID : 40513270

Client : MIDWEST ENVIRONMENTAL

Report Date : 7/18/97

Collection Date : 7/1/97

Matrix Type : SOIL

Toluene-d8	91	%Recov	7/7/97	SW846 8260
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Organic Results

PCB LIST - SOIL

Prep Method: SW846 3550

Prep Date:

Analyst: MAD

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 3.7	3.7	12		ug/kg		7/10/97	SW846 8080
Aroclor 1221	< 3.7	3.7	12		ug/kg		7/10/97	SW846 8080
Aroclor 1232	< 3.7	3.7	12		ug/kg		7/10/97	SW846 8080
Aroclor 1242	< 3.7	3.7	12		ug/kg		7/10/97	SW846 8080
Aroclor 1248	< 3.7	3.7	12		ug/kg		7/10/97	SW846 8080
Aroclor 1254	< 3.7	3.7	12		ug/kg		7/10/97	SW846 8080
Aroclor 1260	< 3.7	3.7	12		ug/kg		7/10/97	SW846 8080

All soil results are reported on a dry weight basis unless otherwise noted.



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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Client : MIDWEST ENVIRONMENTAL

Field ID : P-4 GW

Report Date : 7/18/97

Lab Sample Number : 870970-007

Collection Date : 7/1/97

WI DNR LAB ID : 40513270

Matrix Type : WATER

Organic Results

EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030

Prep Date: 7/8/97

Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L		7/8/97	SW846 8260
Bromobenzene	< 0.29	0.29	0.92		ug/L		7/8/97	SW846 8260
Bromochloromethane	< 0.29	0.29	0.92		ug/L		7/8/97	SW846 8260
Bromodichloromethane	< 0.18	0.18	0.57		ug/L		7/8/97	SW846 8260
Bromoform	< 0.31	0.31	0.99		ug/L		7/8/97	SW846 8260
Bromomethane	< 0.30	0.30	0.96		ug/L		7/8/97	SW846 8260
s-Butylbenzene	< 0.23	0.23	0.73		ug/L		7/8/97	SW846 8260
t-Butylbenzene	< 0.24	0.24	0.76		ug/L		7/8/97	SW846 8260
n-Butylbenzene	< 0.31	0.31	0.99		ug/L		7/8/97	SW846 8260
Carbon tetrachloride	< 0.23	0.23	0.73		ug/L		7/8/97	SW846 8260
Chloroform	< 0.25	0.25	0.80		ug/L		7/8/97	SW846 8260
Chlorobenzene	< 0.27	0.27	0.86		ug/L		7/8/97	SW846 8260
Chlorodibromomethane	< 0.23	0.23	0.73		ug/L		7/8/97	SW846 8260
Chloroethane	< 0.25	0.25	0.80		ug/L		7/8/97	SW846 8260
Chloromethane	< 0.15	0.15	0.48		ug/L		7/8/97	SW846 8260
2-Chlorotoluene	< 0.27	0.27	0.86		ug/L		7/8/97	SW846 8260
4-Chlorotoluene	< 0.30	0.30	0.96		ug/L		7/8/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 0.58	0.58	1.8		ug/L		7/8/97	SW846 8260
1,2-Dibromoethane	< 0.24	0.24	0.76		ug/L		7/8/97	SW846 8260
Dibromomethane	< 0.28	0.28	0.89		ug/L		7/8/97	SW846 8260
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		7/8/97	SW846 8260
1,4-Dichlorobenzene	< 0.29	0.29	0.92		ug/L		7/8/97	SW846 8260
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L		7/8/97	SW846 8260
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L		7/8/97	SW846 8260
1,1-Dichloroethene	< 0.28	0.28	0.89		ug/L		7/8/97	SW846 8260
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		7/8/97	SW846 8260
Dichlorodifluoromethane	< 0.25	0.25	0.80		ug/L		7/8/97	SW846 8260
trans-1,2-Dichloroethene	< 0.25	0.25	0.80		ug/L		7/8/97	SW846 8260



- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Client : MIDWEST ENVIRONMENTAL

Field ID : P-4 GW

Report Date : 7/18/97

Lab Sample Number : 870970-007

Collection Date : 7/1/97

WI DNR LAB ID : 40513270

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L	7/18/97	SW846 8260
1,1-Dichloroethane	< 0.26	0.26	0.83	ug/L	7/18/97	SW846 8260
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L	7/18/97	SW846 8260
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L	7/18/97	SW846 8260
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L	7/18/97	SW846 8260
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L	7/18/97	SW846 8260
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L	7/18/97	SW846 8260
Diisopropyl ether	< 0.43	0.43	1.4	ug/L	7/18/97	SW846 8260
Ethylbenzene	< 0.23	0.23	0.73	ug/L	7/18/97	SW846 8260
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L	7/18/97	SW846 8260
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L	7/18/97	SW846 8260
Isopropylbenzene	< 0.27	0.27	0.86	ug/L	7/18/97	SW846 8260
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L	7/18/97	SW846 8260
Methylene chloride	< 0.22	0.22	0.70	ug/L	7/18/97	SW846 8260
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L	7/18/97	SW846 8260
Naphthalene	< 0.66	0.66	2.1	ug/L	7/18/97	SW846 8260
n-Propylbenzene	< 0.27	0.27	0.86	ug/L	7/18/97	SW846 8260
Styrene	< 0.19	0.19	0.61	ug/L	7/18/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L	7/18/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L	7/18/97	SW846 8260
Tetrachloroethene	< 0.27	0.27	0.86	ug/L	7/18/97	SW846 8260
Toluene	0.40	0.28	0.89	ug/L	Q 7/18/97	SW846 8260
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L	7/18/97	SW846 8260
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L	7/18/97	SW846 8260
1,1,1-Trichloroethane	< 0.27	0.27	0.86	ug/L	7/18/97	SW846 8260
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L	7/18/97	SW846 8260
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L	7/18/97	SW846 8260
Trichloroethene	< 0.20	0.20	0.64	ug/L	7/18/97	SW846 8260
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L	7/18/97	SW846 8260
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L	7/18/97	SW846 8260
Vinyl chloride	< 0.23	0.23	0.73	ug/L	7/18/97	SW846 8260
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L	7/18/97	SW846 8260
Xylene, -o	< 0.28	0.28	0.89	ug/L	7/18/97	SW846 8260
4-Bromofluorobenzene	101			%Recov	7/18/97	SW846 8260
Dibromofluoromethane	95			%Recov	7/18/97	SW846 8260



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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Field ID : P-4 GW

Lab Sample Number : 870970-007

WI DNR LAB ID : 40513270

Client : MIDWEST ENVIRONMENTAL

Report Date : 7/18/97

Collection Date : 7/11/97

Matrix Type : WATER

Toluene-d8	98	%Recov	7/8/97	SW846 8260
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Organic Results

PCB LIST - WATER

Prep Method: SW846 3510

Prep Date:

Analyst: MAD

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 0.11	0.11	0.35		ug/L		7/9/97	SW846 8080
Aroclor 1221	< 0.11	0.11	0.35		ug/L		7/9/97	SW846 8080
Aroclor 1232	< 0.11	0.11	0.35		ug/L		7/9/97	SW846 8080
Aroclor 1242	< 0.11	0.11	0.35		ug/L		7/9/97	SW846 8080
Aroclor 1248	< 0.11	0.11	0.35		ug/L		7/9/97	SW846 8080
Aroclor 1254	< 0.11	0.11	0.35		ug/L		7/9/97	SW846 8080
Aroclor 1260	< 0.11	0.11	0.35		ug/L		7/9/97	SW846 8080



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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Field ID : P-5 68'-69'

Lab Sample Number : 870970-008

WI DNR LAB ID : 40513270

Client : MIDWEST ENVIRONMENTAL

Report Date : 7/18/97

Collection Date : 7/2/97

Matrix Type : SOIL

Organic Results

EPA 8260 VOLATILE LIST - SOIL/METHANOL

Prep Method: SW846 5030

Prep Date: 7/7/97

Analyst:

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
Bromobenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
Bromochloromethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
Bromodichloromethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
Bromoform	< 25	25	60		ug/kg		7/7/97	SW846 8260
Bromomethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
s-Butylbenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
t-Butylbenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
n-Butylbenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
Carbon tetrachloride	< 25	25	60		ug/kg		7/7/97	SW846 8260
Chloroform	< 25	25	60		ug/kg		7/7/97	SW846 8260
Chlorobenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
Chlorodibromomethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
Chloroethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
Chloromethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
2-Chlorotoluene	< 25	25	60		ug/kg		7/7/97	SW846 8260
4-Chlorotoluene	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,2-Dibromoethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
Dibromomethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,3-Dichlorobenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,4-Dichlorobenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,2-Dichloroethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,2-Dichlorobenzene	< 25	25	60		ug/kg		7/7/97	SW846 8260
1,1-Dichloroethene	< 25	25	60		ug/kg		7/7/97	SW846 8260
cis-1,2-Dichloroethene	< 25	25	60		ug/kg		7/7/97	SW846 8260
Dichlorodifluoromethane	< 25	25	60		ug/kg		7/7/97	SW846 8260
trans-1,2-Dichloroethene	< 25	25	60		ug/kg		7/7/97	SW846 8260

All soil results are reported on a dry weight basis unless otherwise noted.



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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Client : MIDWEST ENVIRONMENTAL

Field ID : P-5 68'-69'

Report Date : 7/18/97

Lab Sample Number : 870970-008

Collection Date : 7/2/97

WI DNR LAB ID : 40513270

Matrix Type : SOIL

1,2-Dichloropropane	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,1-Dichloroethane	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,3-Dichloropropane	< 25	25	60	ug/kg	7/7/97	SW846 8260
2,2-Dichloropropane	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,1-Dichloropropene	< 25	25	60	ug/kg	7/7/97	SW846 8260
cis-1,3-Dichloropropene	< 25	25	60	ug/kg	7/7/97	SW846 8260
trans-1,3-Dichloropropene	< 25	25	60	ug/kg	7/7/97	SW846 8260
Diisopropyl ether	< 25	25	60	ug/kg	7/7/97	SW846 8260
Ethylbenzene	< 25	25	60	ug/kg	7/7/97	SW846 8260
Fluorotrichloromethane	< 25	25	60	ug/kg	7/7/97	SW846 8260
Hexachlorobutadiene	< 25	25	60	ug/kg	7/7/97	SW846 8260
Isopropylbenzene	< 25	25	60	ug/kg	7/7/97	SW846 8260
p-Isopropyltoluene	< 25	25	60	ug/kg	7/7/97	SW846 8260
Methylene chloride	< 25	25	60	ug/kg	7/7/97	SW846 8260
Methyl-tert-butyl-ether	< 25	25	60	ug/kg	7/7/97	SW846 8260
Naphthalene	< 25	25	60	ug/kg	7/7/97	SW846 8260
n-Propylbenzene	< 25	25	60	ug/kg	7/7/97	SW846 8260
Styrene	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 25	25	60	ug/kg	7/7/97	SW846 8260
Tetrachloroethene	< 25	25	60	ug/kg	7/7/97	SW846 8260
Toluene	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,2,3-Trichlorobenzene	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,2,4-Trichlorobenzene	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,1,1-Trichloroethane	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,1,2-Trichloroethane	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,2,4-Trimethylbenzene	< 25	25	60	ug/kg	7/7/97	SW846 8260
Trichloroethene	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,2,3-Trichloropropane	< 25	25	60	ug/kg	7/7/97	SW846 8260
1,3,5-Trimethylbenzene	< 25	25	60	ug/kg	7/7/97	SW846 8260
Vinyl chloride	< 25	25	60	ug/kg	7/7/97	SW846 8260
Xylenes, -m, -p	< 25	25	60	ug/kg	7/7/97	SW846 8260
Xylene, -o	< 25	25	60	ug/kg	7/7/97	SW846 8260
4-Bromofluorobenzene	92			%Recov	7/7/97	SW846 8260
Dibromofluoromethane	95			%Recov	7/7/97	SW846 8260

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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Field ID : P-5 68'-69'

Lab Sample Number : 870970-008

WI DNR LAB ID : 40513270

Client : MIDWEST ENVIRONMENTAL

Report Date : 7/18/97

Collection Date : 7/2/97

Matrix Type : SOIL

Toluene-d8	98	%Recov	7/7/97	SW846 8260
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Organic Results

PCB LIST - SOIL

Prep Method: SW846 3550

Prep Date:

Analyst: MAD

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 3.3	3.3	11		ug/kg		7/10/97	SW846 8080
Aroclor 1221	< 3.3	3.3	11		ug/kg		7/10/97	SW846 8080
Aroclor 1232	< 3.3	3.3	11		ug/kg		7/10/97	SW846 8080
Aroclor 1242	< 3.3	3.3	11		ug/kg		7/10/97	SW846 8080
Aroclor 1248	< 3.3	3.3	11		ug/kg		7/10/97	SW846 8080
Aroclor 1254	< 3.3	3.3	11		ug/kg		7/10/97	SW846 8080
Aroclor 1260	< 3.3	3.3	11		ug/kg		7/10/97	SW846 8080

All soil results are reported on a dry weight basis unless otherwise noted.



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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY
Project Number : EA97977 Client : MIDWEST ENVIRONMENTAL
Field ID : P-5 GW Report Date : 7/18/97
Lab Sample Number : 870970-009 Collection Date : 7/2/97
WI DNR LAB ID : 40513270 Matrix Type : WATER

Organic Results

EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030

Prep Date: 7/8/97

Analyst: CJG

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L		7/8/97	SW846 8260
Bromobenzene	< 0.29	0.29	0.92		ug/L		7/8/97	SW846 8260
Bromochloromethane	< 0.29	0.29	0.92		ug/L		7/8/97	SW846 8260
Bromodichloromethane	< 0.18	0.18	0.57		ug/L		7/8/97	SW846 8260
Bromoform	< 0.31	0.31	0.99		ug/L		7/8/97	SW846 8260
Bromomethane	< 0.30	0.30	0.96		ug/L		7/8/97	SW846 8260
s-Butylbenzene	< 0.23	0.23	0.73		ug/L		7/8/97	SW846 8260
t-Butylbenzene	< 0.24	0.24	0.76		ug/L		7/8/97	SW846 8260
n-Butylbenzene	< 0.31	0.31	0.99		ug/L		7/8/97	SW846 8260
Carbon tetrachloride	< 0.23	0.23	0.73		ug/L		7/8/97	SW846 8260
Chloroform	< 0.25	0.25	0.80		ug/L		7/8/97	SW846 8260
Chlorobenzene	< 0.27	0.27	0.86		ug/L		7/8/97	SW846 8260
Chlorodibromomethane	< 0.23	0.23	0.73		ug/L		7/8/97	SW846 8260
Chloroethane	< 0.25	0.25	0.80		ug/L		7/8/97	SW846 8260
Chloromethane	< 0.15	0.15	0.48		ug/L		7/8/97	SW846 8260
2-Chlorotoluene	< 0.27	0.27	0.86		ug/L		7/8/97	SW846 8260
4-Chlorotoluene	< 0.30	0.30	0.96		ug/L		7/8/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 0.58	0.58	1.8		ug/L		7/8/97	SW846 8260
1,2-Dibromoethane	< 0.24	0.24	0.76		ug/L		7/8/97	SW846 8260
Dibromomethane	< 0.28	0.28	0.89		ug/L		7/8/97	SW846 8260
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		7/8/97	SW846 8260
1,4-Dichlorobenzene	< 0.29	0.29	0.92		ug/L		7/8/97	SW846 8260
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L		7/8/97	SW846 8260
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L		7/8/97	SW846 8260
1,1-Dichloroethene	< 0.28	0.28	0.89		ug/L		7/8/97	SW846 8260
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		7/8/97	SW846 8260
Dichlorodifluoromethane	< 0.25	0.25	0.80		ug/L		7/8/97	SW846 8260
trans-1,2-Dichloroethene	< 0.25	0.25	0.80		ug/L		7/8/97	SW846 8260



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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Field ID : P-5 GW

Lab Sample Number : 870970-009

WI DNR LAB ID : 40513270

Client : MIDWEST ENVIRONMENTAL

Report Date : 7/18/97

Collection Date : 7/2/97

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L		7/8/97	SW846 8260
1,1-Dichloroethane	< 0.26	0.26	0.83	ug/L		7/8/97	SW846 8260
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L		7/8/97	SW846 8260
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L		7/8/97	SW846 8260
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L		7/8/97	SW846 8260
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L		7/8/97	SW846 8260
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L		7/8/97	SW846 8260
Diisopropyl ether	< 0.43	0.43	1.4	ug/L		7/8/97	SW846 8260
Ethylbenzene	< 0.23	0.23	0.73	ug/L		7/8/97	SW846 8260
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L		7/8/97	SW846 8260
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L		7/8/97	SW846 8260
Isopropylbenzene	< 0.27	0.27	0.86	ug/L		7/8/97	SW846 8260
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L		7/8/97	SW846 8260
Methylene chloride	< 0.22	0.22	0.70	ug/L		7/8/97	SW846 8260
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L		7/8/97	SW846 8260
Naphthalene	< 0.66	0.66	2.1	ug/L		7/8/97	SW846 8260
n-Propylbenzene	< 0.27	0.27	0.86	ug/L		7/8/97	SW846 8260
Styrene	< 0.19	0.19	0.61	ug/L		7/8/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L		7/8/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L		7/8/97	SW846 8260
Tetrachloroethene	< 0.27	0.27	0.86	ug/L		7/8/97	SW846 8260
Toluene	0.36	0.28	0.89	ug/L	Q	7/8/97	SW846 8260
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L		7/8/97	SW846 8260
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L		7/8/97	SW846 8260
1,1,1-Trichloroethane	< 0.27	0.27	0.86	ug/L		7/8/97	SW846 8260
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L		7/8/97	SW846 8260
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L		7/8/97	SW846 8260
Trichloroethene	< 0.20	0.20	0.64	ug/L		7/8/97	SW846 8260
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L		7/8/97	SW846 8260
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L		7/8/97	SW846 8260
Vinyl chloride	< 0.23	0.23	0.73	ug/L		7/8/97	SW846 8260
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L		7/8/97	SW846 8260
Xylene, -o	< 0.28	0.28	0.89	ug/L		7/8/97	SW846 8260
4-Bromofluorobenzene	75			%Recov		7/8/97	SW846 8260
Dibromofluoromethane	90			%Recov		7/8/97	SW846 8260



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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Field ID : P-5 GW

Lab Sample Number : 870970-009

WI DNR LAB ID : 40513270

Client : MIDWEST ENVIRONMENTAL

Report Date : 7/18/97

Collection Date : 7/2/97

Matrix Type : WATER

Toluene-d8	89	%Recov	7/8/97	SW846 8260
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Organic Results

PCB LIST - WATER

Prep Method: SW846 3510

Prep Date:

Analyst: MAD

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 0.11	0.11	0.35		ug/L		7/9/97	SW846 8080
Aroclor 1221	< 0.11	0.11	0.35		ug/L		7/9/97	SW846 8080
Aroclor 1232	< 0.11	0.11	0.35		ug/L		7/9/97	SW846 8080
Aroclor 1242	< 0.11	0.11	0.35		ug/L		7/9/97	SW846 8080
Aroclor 1248	< 0.11	0.11	0.35		ug/L		7/9/97	SW846 8080
Aroclor 1254	< 0.11	0.11	0.35		ug/L		7/9/97	SW846 8080
Aroclor 1260	< 0.11	0.11	0.35		ug/L		7/9/97	SW846 8080



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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Field ID : METH TRIP

Lab Sample Number : 870970-010

WI DNR LAB ID : 40513270

Client : MIDWEST ENVIRONMENTAL

Report Date : 7/18/97

Collection Date : 7/2/97

Matrix Type : METHANOL

Organic Results

EPA 8260 VOLATILE LIST - METHANOL

Prep Method: SW846 5030

Prep Date: 7/7/97

Analyst: RJN

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 25	25	60		ug/L		7/8/97	SW846 8260
Bromobenzene	< 25	25	60		ug/L		7/8/97	SW846 8260
Bromochloromethane	< 25	25	60		ug/L		7/8/97	SW846 8260
Bromodichloromethane	< 25	25	60		ug/L		7/8/97	SW846 8260
Bromoform	< 25	25	60		ug/L		7/8/97	SW846 8260
Bromomethane	< 25	25	60		ug/L		7/8/97	SW846 8260
s-Butylbenzene	< 25	25	60		ug/L		7/8/97	SW846 8260
t-Butylbenzene	< 25	25	60		ug/L		7/8/97	SW846 8260
n-Butylbenzene	< 25	25	60		ug/L		7/8/97	SW846 8260
Carbon tetrachloride	< 25	25	60		ug/L		7/8/97	SW846 8260
Chloroform	< 25	25	60		ug/L		7/8/97	SW846 8260
Chlorobenzene	< 25	25	60		ug/L		7/8/97	SW846 8260
Chlorodibromomethane	< 25	25	60		ug/L		7/8/97	SW846 8260
Chloroethane	< 25	25	60		ug/L		7/8/97	SW846 8260
Chloromethane	< 25	25	60		ug/L		7/8/97	SW846 8260
2-Chlorotoluene	< 25	25	60		ug/L		7/8/97	SW846 8260
4-Chlorotoluene	< 25	25	60		ug/L		7/8/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 25	25	60		ug/L		7/8/97	SW846 8260
1,2-Dibromoethane	< 25	25	60		ug/L		7/8/97	SW846 8260
Dibromomethane	< 25	25	60		ug/L		7/8/97	SW846 8260
1,3-Dichlorobenzene	< 25	25	60		ug/L		7/8/97	SW846 8260
1,4-Dichlorobenzene	< 25	25	60		ug/L		7/8/97	SW846 8260
1,2-Dichloroethane	< 25	25	60		ug/L		7/8/97	SW846 8260
1,2-Dichlorobenzene	< 25	25	60		ug/L		7/8/97	SW846 8260
1,1-Dichloroethene	< 25	25	60		ug/L		7/8/97	SW846 8260
cis-1,2-Dichloroethene	< 25	25	60		ug/L		7/8/97	SW846 8260
Dichlorodifluoromethane	< 25	25	60		ug/L		7/8/97	SW846 8260
trans-1,2-Dichloroethene	< 25	25	60		ug/L		7/8/97	SW846 8260



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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Client : MIDWEST ENVIRONMENTAL

Field ID : METH TRIP

Report Date : 7/18/97

Lab Sample Number : 870970-010

Collection Date : 7/2/97

WI DNR LAB ID : 40513270

Matrix Type : METHANOL

1,2-Dichloropropane	< 25	25	60	ug/L	7/8/97	SW846 8260
1,1-Dichloroethane	< 25	25	60	ug/L	7/8/97	SW846 8260
1,3-Dichloropropane	< 25	25	60	ug/L	7/8/97	SW846 8260
2,2-Dichloropropane	< 25	25	60	ug/L	7/8/97	SW846 8260
1,1-Dichloropropene	< 25	25	60	ug/L	7/8/97	SW846 8260
cis-1,3-Dichloropropene	< 25	25	60	ug/L	7/8/97	SW846 8260
trans-1,3-Dichloropropene	< 25	25	60	ug/L	7/8/97	SW846 8260
Diisopropyl ether	< 25	25	60	ug/L	7/8/97	SW846 8260
Ethylbenzene	< 25	25	60	ug/L	7/8/97	SW846 8260
Fluorotrichloromethane	< 25	25	60	ug/L	7/8/97	SW846 8260
Hexachlorobutadiene	< 25	25	60	ug/L	7/8/97	SW846 8260
Isopropylbenzene	< 25	25	60	ug/L	7/8/97	SW846 8260
p-Isopropyltoluene	< 25	25	60	ug/L	7/8/97	SW846 8260
Methylene chloride	< 25	25	60	ug/L	7/8/97	SW846 8260
Methyl-tert-butyl-ether	< 25	25	60	ug/L	7/8/97	SW846 8260
Naphthalene	< 25	25	60	ug/L	7/8/97	SW846 8260
n-Propylbenzene	< 25	25	60	ug/L	7/8/97	SW846 8260
Styrene	< 25	25	60	ug/L	7/8/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 25	25	60	ug/L	7/8/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 25	25	60	ug/L	7/8/97	SW846 8260
Tetrachloroethene	< 25	25	60	ug/L	7/8/97	SW846 8260
Toluene	< 25	25	60	ug/L	7/8/97	SW846 8260
1,2,3-Trichlorobenzene	< 25	25	60	ug/L	7/8/97	SW846 8260
1,2,4-Trichlorobenzene	< 25	25	60	ug/L	7/8/97	SW846 8260
1,1,1-Trichloroethane	< 25	25	60	ug/L	7/8/97	SW846 8260
1,1,2-Trichloroethane	< 25	25	60	ug/L	7/8/97	SW846 8260
1,2,4-Trimethylbenzene	< 25	25	60	ug/L	7/8/97	SW846 8260
Trichloroethene	< 25	25	60	ug/L	7/8/97	SW846 8260
1,2,3-Trichloropropane	< 25	25	60	ug/L	7/8/97	SW846 8260
1,3,5-Trimethylbenzene	< 25	25	60	ug/L	7/8/97	SW846 8260
Vinyl chloride	< 25	25	60	ug/L	7/8/97	SW846 8260
Xylenes, -m, -p	< 25	25	60	ug/L	7/8/97	SW846 8260
Xylene, -o	< 25	25	60	ug/L	7/8/97	SW846 8260
4-Bromofluorobenzene	99			%Recov	7/8/97	SW846 8260
Dibromofluoromethane	98			%Recov	7/8/97	SW846 8260



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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Field ID : METH TRIP

Lab Sample Number : 870970-010

WI DNR LAB ID : 40513270

Client : MIDWEST ENVIRONMENTAL

Report Date : 7/18/97

Collection Date : 7/2/97

Matrix Type : METHANOL

Toluene-d8	96	%Recov	7/8/97	SW846 8260
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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Field ID : TRIP BLANK

Lab Sample Number : 870970-011

WI DNR LAB ID : 40513270

Client : MIDWEST ENVIRONMENTAL

Report Date : 7/18/97

Collection Date : 7/2/97

Matrix Type : WATER

Organic Results

EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030

Prep Date: 7/7/97

Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L		7/7/97	SW846 8260
Bromobenzene	< 0.29	0.29	0.92		ug/L		7/7/97	SW846 8260
Bromochloromethane	< 0.29	0.29	0.92		ug/L		7/7/97	SW846 8260
Bromodichloromethane	< 0.18	0.18	0.57		ug/L		7/7/97	SW846 8260
Bromoform	< 0.31	0.31	0.99		ug/L		7/7/97	SW846 8260
Bromomethane	< 0.30	0.30	0.96		ug/L		7/7/97	SW846 8260
s-Butylbenzene	< 0.23	0.23	0.73		ug/L		7/7/97	SW846 8260
t-Butylbenzene	< 0.24	0.24	0.76		ug/L		7/7/97	SW846 8260
n-Butylbenzene	< 0.31	0.31	0.99		ug/L		7/7/97	SW846 8260
Carbon tetrachloride	< 0.23	0.23	0.73		ug/L		7/7/97	SW846 8260
Chloroform	< 0.25	0.25	0.80		ug/L		7/7/97	SW846 8260
Chlorobenzene	< 0.27	0.27	0.86		ug/L		7/7/97	SW846 8260
Chlorodibromomethane	< 0.23	0.23	0.73		ug/L		7/7/97	SW846 8260
Chloroethane	< 0.25	0.25	0.80		ug/L		7/7/97	SW846 8260
Chloromethane	< 0.15	0.15	0.48		ug/L		7/7/97	SW846 8260
2-Chlorotoluene	< 0.27	0.27	0.86		ug/L		7/7/97	SW846 8260
4-Chlorotoluene	< 0.30	0.30	0.96		ug/L		7/7/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 0.58	0.58	1.8		ug/L		7/7/97	SW846 8260
1,2-Dibromoethane	< 0.24	0.24	0.76		ug/L		7/7/97	SW846 8260
Dibromomethane	< 0.28	0.28	0.89		ug/L		7/7/97	SW846 8260
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		7/7/97	SW846 8260
1,4-Dichlorobenzene	< 0.29	0.29	0.92		ug/L		7/7/97	SW846 8260
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L		7/7/97	SW846 8260
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L		7/7/97	SW846 8260
1,1-Dichloroethene	< 0.28	0.28	0.89		ug/L		7/7/97	SW846 8260
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		7/7/97	SW846 8260
Dichlorodifluoromethane	< 0.25	0.25	0.80		ug/L		7/7/97	SW846 8260
trans-1,2-Dichloroethene	< 0.25	0.25	0.80		ug/L		7/7/97	SW846 8260



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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Field ID : TRIP BLANK

Lab Sample Number : 870970-011

WI DNR LAB ID : 40513270

Client : MIDWEST ENVIRONMENTAL

Report Date : 7/18/97

Collection Date : 7/2/97

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L	7/7/97	SW846 8260
1,1-Dichloroethane	< 0.26	0.26	0.83	ug/L	7/7/97	SW846 8260
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L	7/7/97	SW846 8260
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L	7/7/97	SW846 8260
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L	7/7/97	SW846 8260
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L	7/7/97	SW846 8260
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L	7/7/97	SW846 8260
Diisopropyl ether	< 0.43	0.43	1.4	ug/L	7/7/97	SW846 8260
Ethylbenzene	< 0.23	0.23	0.73	ug/L	7/7/97	SW846 8260
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L	7/7/97	SW846 8260
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L	7/7/97	SW846 8260
Isopropylbenzene	< 0.27	0.27	0.86	ug/L	7/7/97	SW846 8260
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L	7/7/97	SW846 8260
Methylene chloride	< 0.22	0.22	0.70	ug/L	7/7/97	SW846 8260
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L	7/7/97	SW846 8260
Naphthalene	< 0.66	0.66	2.1	ug/L	7/7/97	SW846 8260
n-Propylbenzene	< 0.27	0.27	0.86	ug/L	7/7/97	SW846 8260
Styrene	< 0.19	0.19	0.61	ug/L	7/7/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L	7/7/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L	7/7/97	SW846 8260
Tetrachloroethene	< 0.27	0.27	0.86	ug/L	7/7/97	SW846 8260
Toluene	< 0.28	0.28	0.89	ug/L	7/7/97	SW846 8260
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L	7/7/97	SW846 8260
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L	7/7/97	SW846 8260
1,1,1-Trichloroethane	< 0.27	0.27	0.86	ug/L	7/7/97	SW846 8260
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L	7/7/97	SW846 8260
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L	7/7/97	SW846 8260
Trichloroethene	< 0.20	0.20	0.64	ug/L	7/7/97	SW846 8260
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L	7/7/97	SW846 8260
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L	7/7/97	SW846 8260
Vinyl chloride	< 0.23	0.23	0.73	ug/L	7/7/97	SW846 8260
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L	7/7/97	SW846 8260
Xylene, -o	< 0.28	0.28	0.89	ug/L	7/7/97	SW846 8260
4-Bromofluorobenzene	101			%Recov	7/7/97	SW846 8260
Dibromofluoromethane	96			%Recov	7/7/97	SW846 8260



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- Analytical Report -

Project Name : TARCO SOUTH PROPERTY

Project Number : EA97977

Field ID : TRIP BLANK

Lab Sample Number : 870970-011

WI DNR LAB ID : 40513270

Client : MIDWEST ENVIRONMENTAL

Report Date : 7/18/97

Collection Date : 7/2/97

Matrix Type : WATER

Toluene-d8	98	%Recov	7/7/97	SW846 8260
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Company Name: MIDWEST ENVIRONMENTAL
 Branch or Location: LA CROSSE, WI.
 Project Contact: JASON HERBST
 Telephone: (608) 784-5688
 Project Number: EA97977
 Project Name: TARCO SOUTH PROPERTY
 Project Location: ONALASKA, WI
 Sampled By (Print): JASON HERBST/Bernie Schott Jr.
 Regulatory Program (circle): UST RCRA CLP SDWA
 NPDES/WPDES CAA INR
 Other ERP
 NR720 Confirmation Analysis Required? (circle): Y (N)
 (En Chem will not confirm unless otherwise instructed.)



1241 Bellevue St., Suite 9
 Green Bay, WI 54302
 414-469-2436 • 1-800-736-2436
 FAX 414-469-8827

802 Deming Way
 Madison, WI 53717
 608-827-5501 • 1-888-536-2436
 Fax: 608-827-5503

1423 N. 8th Street, Suite 122
 Superior, WI 54880
 715-392-5844 • 1-800-837-8238
 FAX 715-392-5843

CHAIN OF CUSTODY

7920

FILTERED? (YES/NO) NO
 PRESERVATION (CODE)* F A A B A

ANALYSES REQUESTED
 VOCs - SOIL
 PCBs - SOIL
 TOTAL ARSENIC - SOIL
 VOCs - WATER
 PCBs - WATER

Page 1 of 1

P.O. # _____ Quote # _____

Mail Report To: JASON HERBST

Company: MIDWEST ENVIRONMENTAL

Address: 123 N. 4TH STREET - SUITE 202

LA CROSSE, WI 54601

Invoice To: (SAME)

Company: _____

Address: _____

Mail Invoice To: JASON HERBST

FIELD ID	SAMPLE DESCRIPTION	COLLECTION		SHADED AREA FOR LABORATORY USE ONLY											
		DATE	TIME	FIELD SCREEN	MATRIX	GOOD COND.	TOTAL BOTTLES	COMMENTS	LABORATORY NUMBER						
P-1	4'-6'	6/30/97	11:40 AM									SOIL	1-502		001
P-1	75'-76'	6/30/97	6:30 PM	X	X							SOIL	1-802 1-202/m		002
P-1	GW	6/30/97	7:45 PM				X	X				GW	1-L 3-40m		003
P-2	4-6'	7/1/97	8:59 AM				X					SOIL	1-502		004
P-3	4-6'	7/1/97	9:12 AM				X					SOIL	↓		005
P-4	84-85'	7/1/97	12:37 PM	X	X							SOIL	1-802 1-202/m		006
P-4	GW	7/1/97	2:03 PM				X	X				GW	1-L 3-40m		007
P-5	68-69'	7/2/97	9:56 AM	X	X							SOIL	1-802 1-202/m		008
P-5	GW	7/2/97	10:51 AM				X	X				GW	1-L 3-40m		009
	*Meth TRIP														010
	*TRIP Blank														011
	* added by lab														

***Preservation Code**
 A=None B=HCL C=H2SO4
 D=HN03 E=EnCore F=Methanol**
 G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples.

Relinquished By: <u>Bernie Schott</u> Date/Time: <u>7/2/97 4:30pm</u>	Received By: <u>X RA</u> Date/Time: _____	En Chem Project No. <u>870970</u>
Relinquished By: <u>Jason Herbst</u> Date/Time: <u>7/2/97 4:45pm</u>	Received By: <u>UPS</u> Date/Time: _____	Sample Receipt Temp. <u>ROT</u>
Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	Sample Receipt pH (Wet/Metals) _____
Relinquished By: <u>UPS 12 580 X 49 09 0262</u> Date/Time: _____	Received By (En Chem): <u>Meta Next</u> Date/Time: <u>7/3/97 1000</u>	