

GW - 199

MONITORING REPORTS

DATE:

2000



SITE INVESTIGATION REPORT

4001 South Highway 18

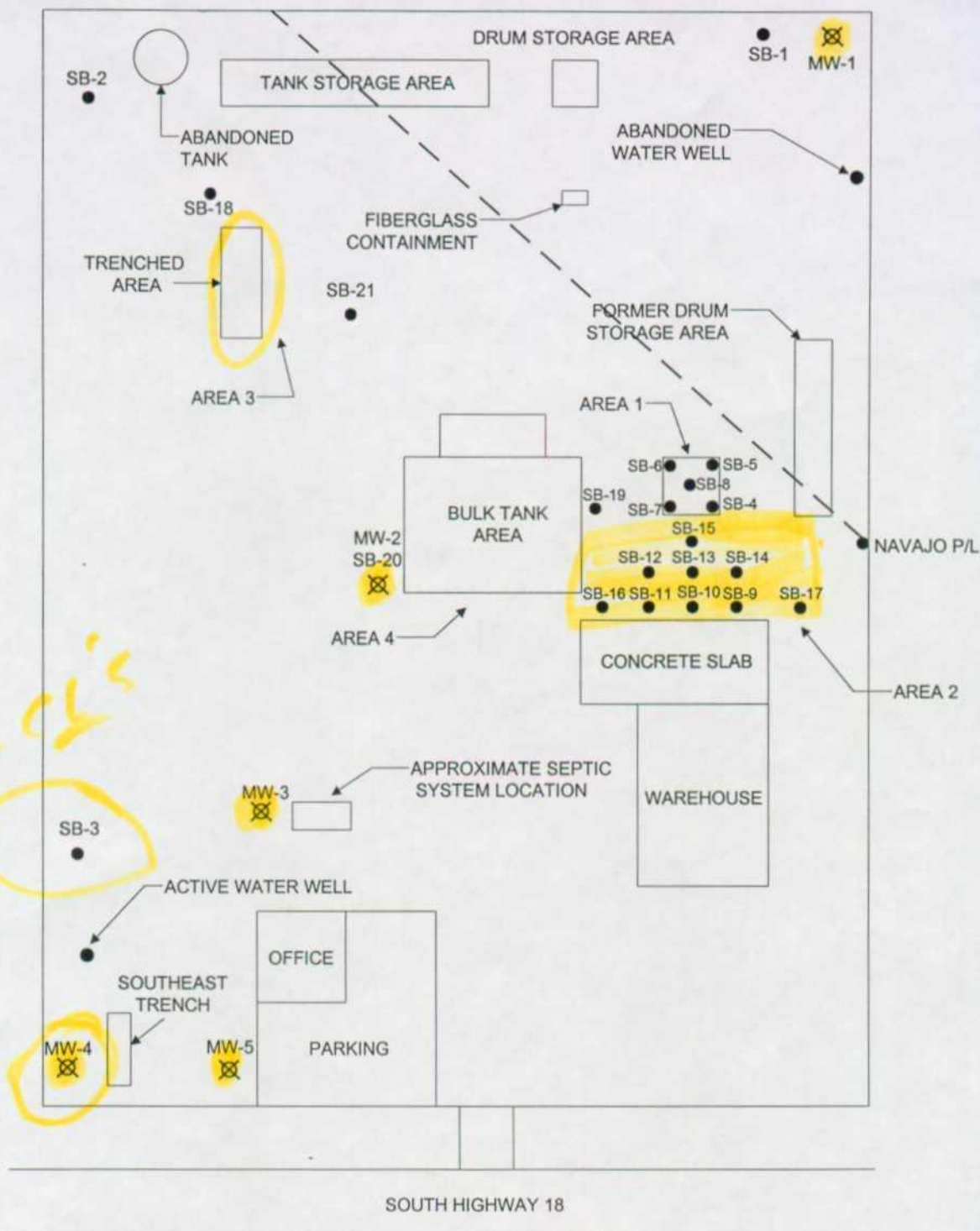
Hobbs, New Mexico Facility

September 10, 2000

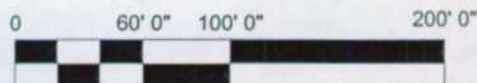


**Enercon Services, Inc.
8866 Gulf Freeway, Suite 380
Houston, TX 77017**

HC 2's



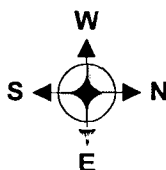
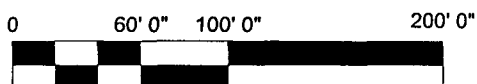
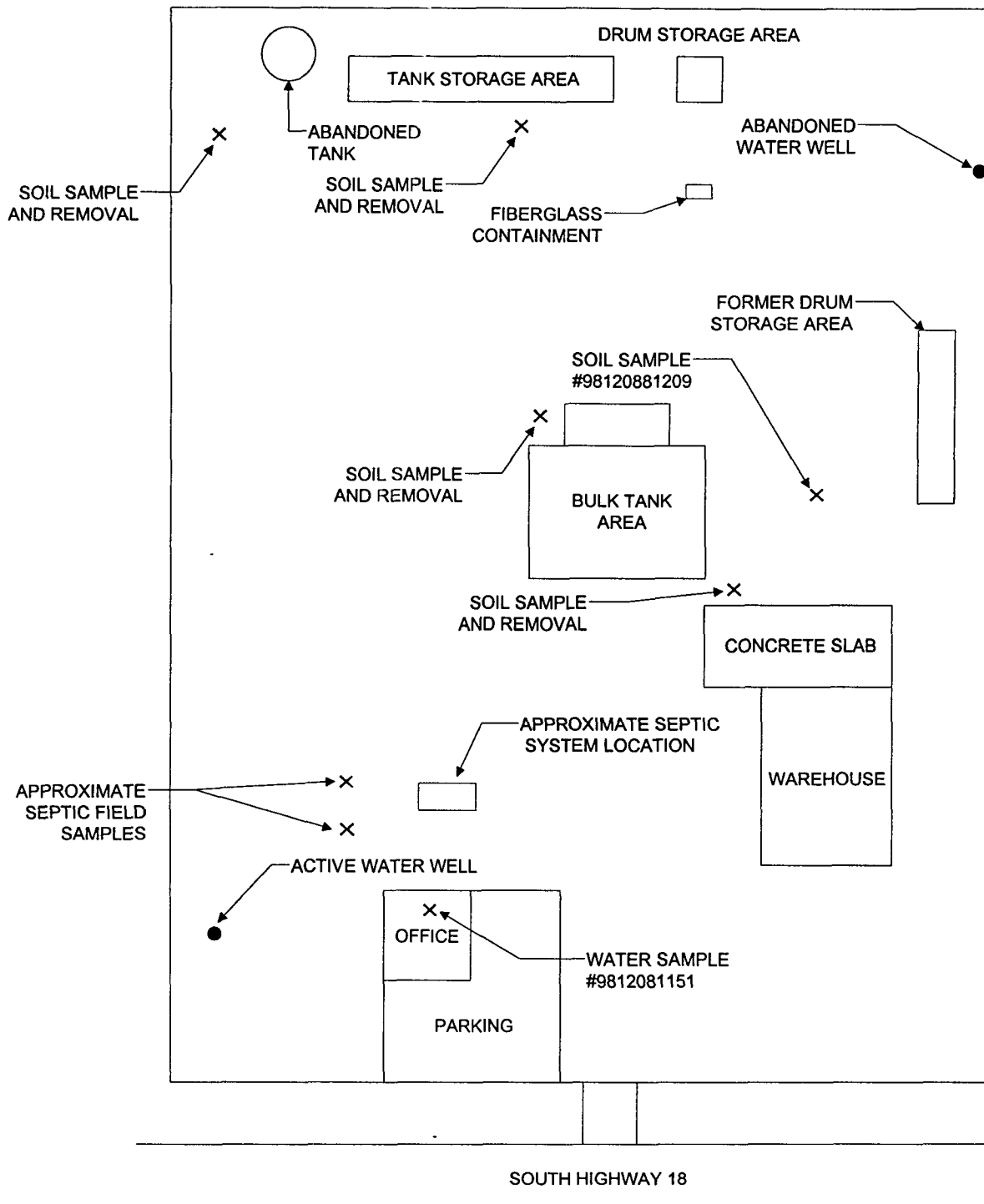
- = SOIL SAMPLE LOCATIONS
- ⊗ = MONITORING WELL LOCATIONS



ENERCON SERVICES, INC.

FIGURE 5
SOIL SAMPLE AND
MONITOR WELL LOCATIONS
CHAMPION TECHNOLOGIES, INC.

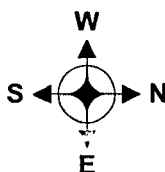
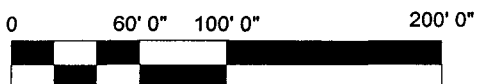
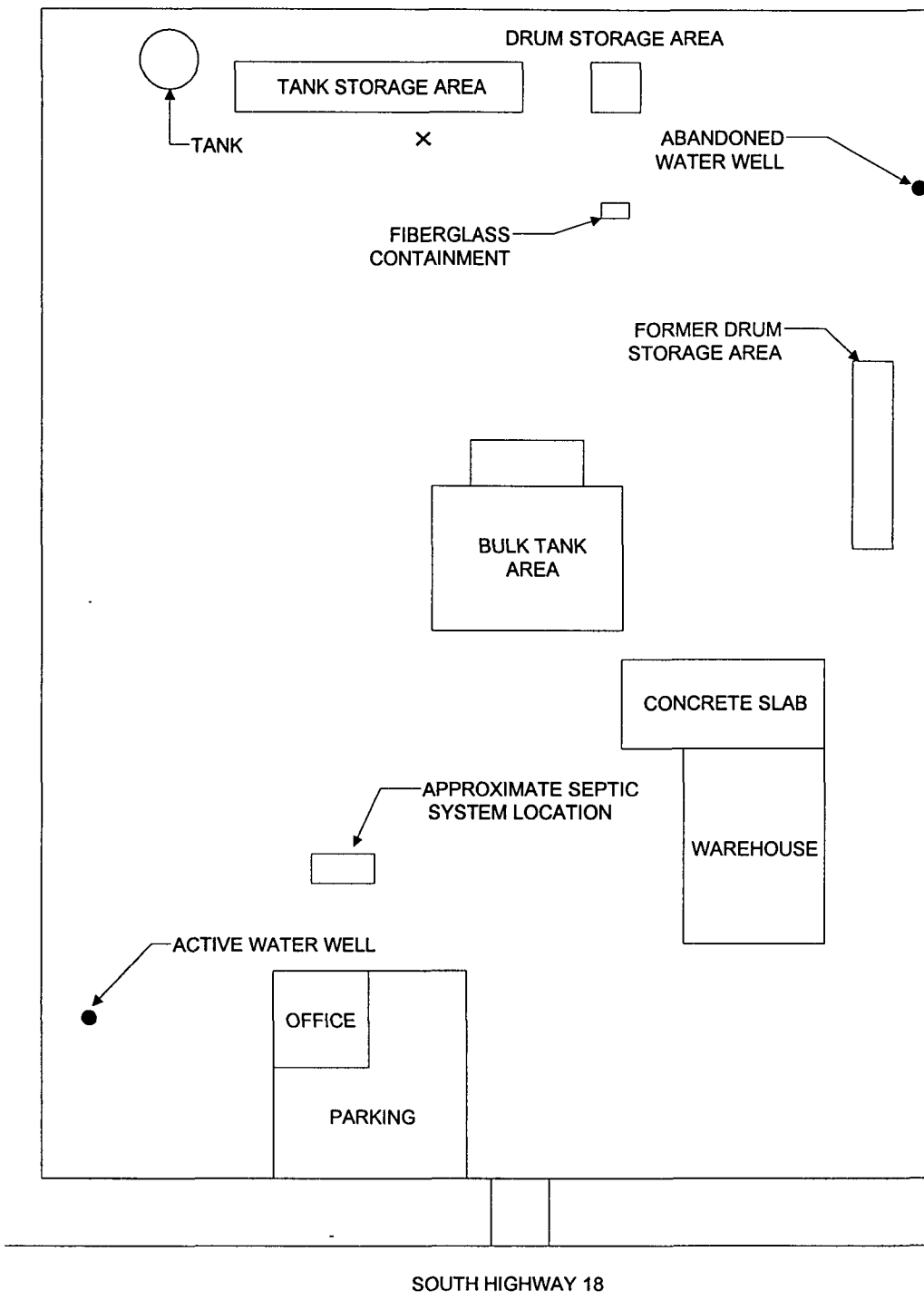
PROJECT NO.: ES-444 DATE: 3/23/00 BY: JLP



ENERCON SERVICES, INC.

FIGURE 4
PREVIOUS SAMPLING LOCATIONS
CHAMPION TECHNOLOGIES, INC.

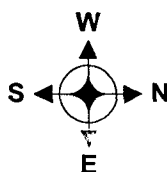
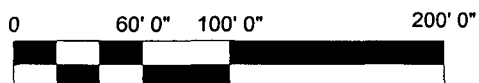
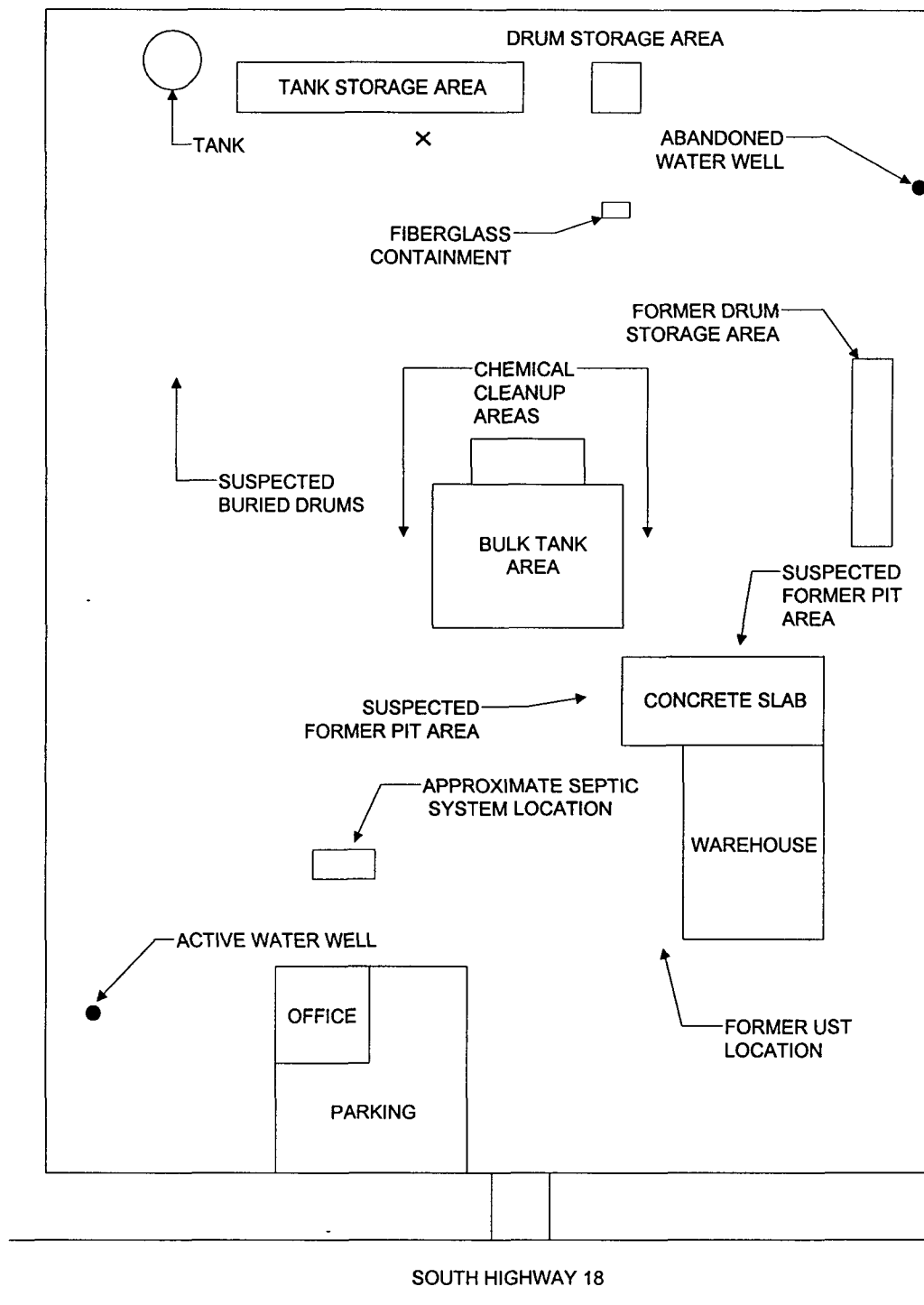
PROJECT NO.: ES-444 DATE: 3/23/00 BY: JLP



ENERCON SERVICES, INC.

FIGURE 2
SITE MAP
CHAMPION TECHNOLOGIES, INC.

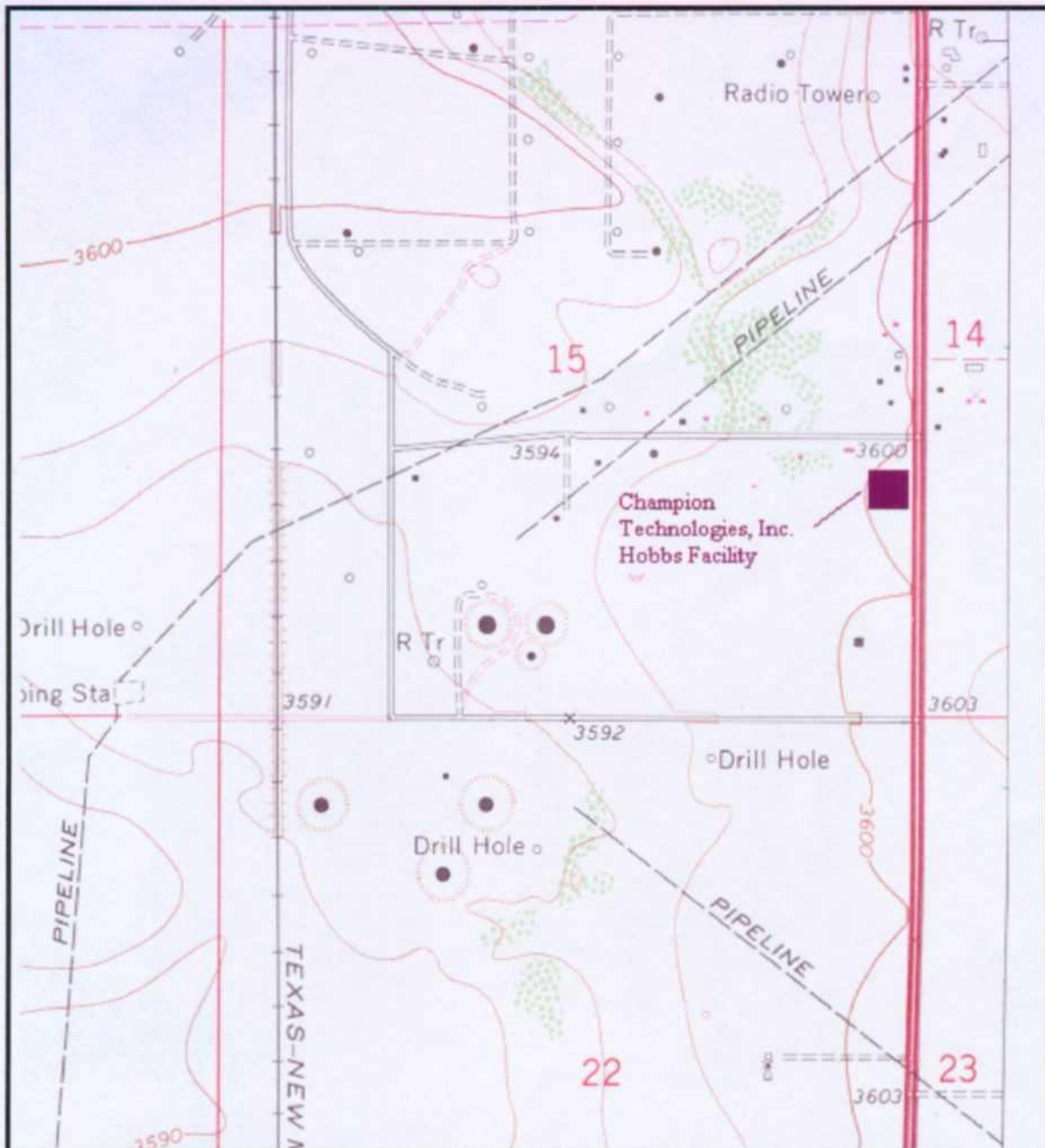
PROJECT NO.: ES-444 DATE: 3/23/00 BY: JLP



ENERCON SERVICES, INC.

FIGURE 3
OCE AREAS OF CONCERN
CHAMPION TECHNOLOGIES, INC.

PROJECT NO.: ES-444 DATE: 3/23/00 BY: JLP



**ENERCON SERVICES, INC.
HOUSTON, TEXAS**

**Figure 1
Topographic Map
Hobbs West, NM Quad
(No scale)**

**Subject Property
4001 South Hwy. 18
Hobbs, New Mexico**

**Prepared for:
Champion Technologies, Inc.**

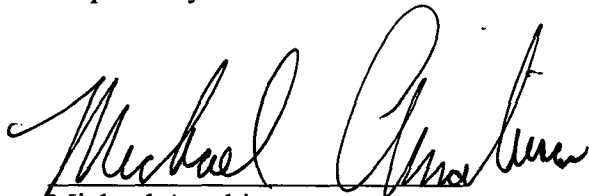
WORKING
COPY

**CHAMPION TECHNOLOGIES, INC.
4001 SOUTH HIGHWAY 18
HOBBS, NEW MEXICO**

SITE INVESTIGATION REPORT

September 10, 2000

Prepared by:

A handwritten signature in black ink, appearing to read "Michael Amabisco", written over a horizontal line.

Michael Amabisco
Project Manager

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**CHAMPION TECHNOLOGIES, INC.
4001 SOUTH HIGHWAY 18
HOBBS, NEW MEXICO**

SITE INVESTIGATION REPORT

September 10, 2000

**RECEIVED
NOV 22 2000
Environmental Bureau
Oil Conservation Division**

**Submitted to: Champion Technologies, Inc.
3130 FM 521
Fresno, Texas 77545**

**Prepared by: Enercon Services, Inc.
8866 Gulf Freeway, Suite 380
Houston, TX 77017**

1.0 OBJECTIVES

Enercon Services, Inc. (Enercon) has been retained to prepare a Site Investigation Report (SIR) for the Champion Technologies, Inc. (Champion) facility located at 4001 South Hwy. 18 in Hobbs, New Mexico. This SIR is prepared pursuant to the Notice of Violation issued by the New Mexico Oil Conservation Division (NMOCD) on April 26, 1999.

This SIR will focus on determining the nature and extent of potentially hazardous material contamination in the soil on site, and evaluating the potential of groundwater impact on site.

The objective of the project is to investigate and evaluate any potential soil and groundwater contamination on the site, pursuant to New Mexico Water Quality Control Commission Regulations 20NMAC 6.2 4106.C. This objective was accomplished through the following activities:

1. Reviewing relevant documents to the site and vicinity; and
2. Developing and executing a soil-sampling program in the area near the warehouse to identify any potential impact to the site.
3. Installing monitoring wells, collect and analyze groundwater samples to identify any potential impact to the groundwater.
4. Investigate potential former pond and pit area on southwest portion of the site.

The data obtained from the site investigation was used to present recommendations, if warranted, for future investigations and remedial actions at the site. A work plan for any further investigations that may be deemed necessary, based on the results of the site assessment, will be prepared as an addendum to this SIR.

2.0 SITE DESCRIPTION AND BACKGROUND

2.1. Site Location and Description

The Champion facility's physical address is 4001 South Highway 18 in Hobbs, New Mexico. The location of the property is NE/4 of SE/4, Section 15, Township 19 South, Range 38 East, West Hobbs Quadrangle (Appendix A, Figure 1.)

The Champion facility stores and distributes chemicals for the petroleum industry. The property is rectangular in shape, approximately 500 feet by 640 feet, or an estimated 7 acres. The facility consists of an office building, manufacturing, and storage areas, as well as parking and undeveloped areas (Appendix A, Figure 2.). The site is enclosed by a fence, with a gate along South Highway 18. The facility uses a septic system for sanitary purposes and water is supplied by an on site domestic well. The site is generally flat with

a slight gradient in the westerly direction. There are no bodies of surface water on the site.

The facility is bordered by the highway on the east side, residential and undeveloped property to the south, undeveloped land on the west side, and an oil field service company to the north.

2.1.1. Regional Geologic Setting

The geology of the Southern High Plains of Texas and New Mexico consists of the Tertiary Ogallala Formation which is overlain by Quaternary eolian, fluvial, and lacustrine sediments. The Quaternary deposits range in age from 1.4 million years old to recent, and extend to a maximum depth of 80 feet below ground surface regionally. The Tertiary Ogallala Formation contains coarse fluvial conglomerates, sandstone, and fine-grained eolian siltstone and clay. The depositional environment of the Ogallala Formation and overlying Quaternary deposits produce overlapping alluvial fans. Exposed along dry riverbeds in the region, the Quaternary alluvium deposits consist of sands, silts, and gravels. Locally, a resistant calcitic layer known as caprock overlies the Ogallala Formation. The caprock is exposed along the northwestern portion of Lea County.

2.1.2. Regional Hydrogeology

A detailed description of the regional and site specific hydrogeology is included in Appendix C.

_____ NDEP PENTAMETRIC MAP

2.2. SITE BACKGROUND

2.2.1. Site History and Usage

Champion Technologies, Inc. has occupied the 4001 South Highway location for approximately 30 years. In that time, the site has been used for the distribution of chemicals used in the petroleum industry.

Previous soil sampling was performed 1996 in connection with modification to the septic system. Soil sampling was also performed in April 1998 in regards to removal of contaminated soils near drum storage areas and product tanks. All actions were addressed and approved by the New Mexico Environmental Department.

In 1995 a new water well was constructed at the site. Water quality samples were collected and analyzed. Results showed elevated concentrations of chloride and total dissolved solids.

On December 8, 1998, the NMOCDD conducted an inspection at the Hobbs facility. During the inspection, department personnel collected a soil sample from a "yellow stained" area and a water sample from a faucet inside one of the buildings. Analytical results from these samples showed concentrations of lead, chromium, manganese, nickel, chloride, and soluble sulfates that exceeded groundwater standards. The soil sample

analytical results also showed detected concentrations of polyaromatic hydrocarbon compounds.

In a letter dated December 29, 1999 from the NMOCD, several areas of alleged buried waste were identified. Each of these areas is addressed below. Areas are shown in Appendix A, Figure 3.

1. Old UST Area. The UST in this area was removed prior to 1985, and prior to RCRA UST regulations. No documentation pertaining to this removal exists.
2. Old Pit Area on South Side of Warehouse. Champion has no knowledge of a pit area in this location. No known past waste activities are known to have taken place in this area. To further investigate the possibility of potential buried waste in this area, Champion proposes to use electromagnetic geophysical methods to evaluate the presence of metallic buried waste.
3. Old Pit Area on West Side of the Warehouse. Further investigation of this area (Area 2) was conducted in this investigation.
4. Areas Around the Bulk Tank Area. These two areas have been remediated in the past. Champion is currently reviewing archived files to retrieve documentation of the cleanup to be submitted to NMOCD. This area (Area 4) was investigated.
5. Lab Septic System. The septic system has been identified and is shown in Figures 2, 3 and 4.
6. Old Pit area with Buried Drums. This area (Area 3) was investigated.

2.2.2. Chemical List

Chemicals of primary concern in regards to the SIR are stored on the site. A list of stored chemicals is included in Appendix A, Table 1.

2.2.3. Summary of Soil Sample Analytical Results

On December 8, 1998 the NMOCD collected a soil sample from a yellow stained area. A summary of detected concentrations is presented in Appendix A, Table 2. The location of the sample collection was reportedly 105 feet west of the concrete pad adjacent to the warehouse and 71 feet south of the north fence line.

2.2.4. Summary of Groundwater Sample Analytical Results

On December 8, 1998 the NMOCD collected a water sample from a faucet in the break room in the office building. A summary of detected concentrations is presented in Appendix A, Table 3.

2.2.5. Past Investigations and Incidences

Three investigations have been conducted on the Hobbs site. Two of the investigations pertained to the septic system, with the third pertaining to the cleanup of minor releases on site. Previous sample locations are shown in Appendix A, Figure 4.

Both soil and groundwater samples were collected for the septic area. Analytical results showed detectable concentrations of total petroleum hydrocarbons, arsenic, barium, chromium, and lead.

The third investigation involved the excavation and removal of soil from four separate areas on site. The areas were sampled for volatile and semi-volatile organic compounds after the excavation. All areas were below analytical detection limits. The removal report is included in Appendix G of the Revised Abatement Plan Proposal (RAPP).

A review of available aerial photographs of the Hobbs area was conducted. Available aerial photographs of the area were not extensive. Photographs from 1949, 1954, and 1967 were found and reviewed. The 1967 photograph showed a possible pond in the southwest portion of the site (Area 3), and a pit near a structure (Area 2). More recent photographs were not available. Aerial photographs are included in Appendix G of the RAPP.

3.0 SITE INVESTIGATION

3.1. Geophysical Survey

A magnetic and electromagnetic survey was conducted over the entire site. The complete report is included in Appendix C (see Appendix C for area location maps). The objective of the survey was to identify any potential buried drums and metallic utilities. The survey indicated seven areas of unknown response. These anomalies in these areas were most likely caused by buried metallic objects or areas of increased soil moisture. Six of the seven areas were investigated by excavation or soil borings. The area designated No. 5 in the report was not investigated because it was not designated as an area of concern by the OCD.

The areas of unknown responses were investigated in the following manners: No. 1 by installing MW-3 and SB-20; No.2 by excavating along the buried Navajo Pipeline; No. 3 with 5 excavated trenches; Nos. 4a and 4b with SB-18 and SB-21, respectively; and No. 6 by excavation.

3.2 Soil Investigation

3.2.1 Background Samples

Three background samples were collected using a decontaminated trowel (SB-1 through SB-3). The samples were collected from areas on the site that have not have been impacted by any facility operation activities. Samples were collected from the ground surface to 1-foot bgs. The sample locations were backfilled with native material. Samples were collected from brown silty sand material. Soil sample locations are shown in Appendix A, Figure 5.

3.2.2 Area 1

Soil samples in Area 1 were collected using an air rotary drill rig and a decontaminated split-spoon sampler and samples were collected from 0 to 3 feet bgs. Sample locations in Area 1 consisted of SB-4 through SB-8. Soil samples were collected in the "yellow stained area", which is approximately 100 feet west of the concrete pad associated with the warehouse building. Five locations were sampled in the "yellow stained area" and surrounding area. Sample locations were placed to delineate the lateral extent of potential soil impact. Soil samples were collected at 0 to 2 feet below ground surface (bgs) and 2 to 4 feet bgs. A tar-like asphalt material was encountered at SB-4, SB-5, SB-6, SB, and SB-8. All samples were monitored with an organic vapor meter (OVM). Soil locations are shown in Appendix A, Figure 5, and soil boring logs are in Appendix D.

3.2.3 Area 2

Soil samples in Area 2 were collected using an air rotary drill rig and a decontaminated split-spoon sampler. Soil sample locations in Area 2 consisted of SB-9 through SB-17. Samples were collected from 0 to 25 feet bgs at 5-foot intervals. SB- 12 and SB-13 were sampled to 30 feet bgs. Hard rock-like material interfered and prevented sampling at some sample depths. Soil samples were also collected in the area adjacent to the warehouse concrete slab. A total of 9 locations were be sampled in this area. Six locations were sampled in the alleged "old pit area", and 3 locations approximately 20 feet outside the alleged pit area.

Black stained fill material was encountered approximately 7.5 feet bgs to approximately 15 to 20 feet bgs. Caliche and sandstone material was encountered at approximately 20 feet bgs. No black stained material was observed in SB-11. Hydrocarbon product was observed in SB-10, SB-13, and SB-14. All samples were monitored with an OVM. The sample locations were backfilled with bentonite. Soil sample locations are shown in Appendix A, Figure 5 and soil boring logs are in Appendix D.

3.2.4 Area 3

Soil samples in Area 3 were collected using a air rotary drill rig and a decontaminated split-spoon sampler. Sample locations in Area 3 consisted of SB-18, SB-21, and T1. Two borings were placed in this area (SB-18 and SB-21). Both borings were complete to 25 feet bgs. Samples were collected at 5-foot intervals where adequate recoveries adequate sample material. SB-18 showed no indications of impact while SB-21 samples had a hydrocarbon odor to 15 feet bgs. All samples were analyzed using an OVM. Both locations were backfilled with bentonite. Soil sample locations are shown in Appendix A, Figure 5, and soil boring logs are in Appendix D.

Additionally, five shallow trenches approximately 30 feet long and 5 feet deep were excavated in this area (Trenched Area). The excavation showed buried metal debris, and black stained oil. The horizontal extent of the buried debris was delineated and covered an area approximately 65 feet wide by 30 feet long. The vertical extent was not delineated. The trenches were backfilled with native material.

3.2.5 Area 4

Soil samples in Area 4 were collected using a air rotary drill rig and a decontaminated split-spoon sampler. Two borings were placed in this area (SB-19 and SB-20). One boring was placed on the north side of the tank area and one boring was placed near the southeast corner of the tank area. Samples were collected at 5-foot intervals from ground surface to a maximum of 25 feet bgs. Neither boring showed any evidence of impact. Soil sample locations are shown in Appendix A, Figure 5, and soil boring logs are in Appendix D.

3.2.6 Navajo Pipeline Trench

Site observations indicated that a subsurface pipeline owned by Navajo Pipeline Company crossed the facility property. The pipeline was a 6-inch diameter metal pipeline that carried crude oil. Approximately 100 feet of trench was excavated along side the pipeline from the north fenceline. Visual inspection of the trench showed no evidence of leakage or release from the pipeline. The area of excavation coincided with area No. 2 identified in the geophysical survey report. Pipeline location is shown in Appendix A, Figure 5.

3.2.6 Southeast Trench

Trenches were excavated in the southeast portion of the facility to investigate anomalies identified as area No. 6 in the geophysical survey report. The excavation showed an abandoned 1-inch diameter metal pipeline. It is assumed that pipeline most likely was used to transmit natural gas. No staining or evidence of soil impact was observed. Pipeline location is shown in Appendix A, Figure 5.

3.2.7 Soil Sample Analytical Methods

Background soil samples collected on the site were analyzed for the constituents listed below:

- Arsenic, barium, cadmium, lead, mercury, selenium, silver, copper, iron, magnesium, and zinc (WQCC Metals).
- Fluoride, calcium, potassium, magnesium, sodium, bicarbonate, carbonate, chloride, sulfate, and nitrate (General Chemistry).

Analytical methods used for soil samples were in accordance with USEPA SW-846 prescribed or comparable methodologies.

Soil samples collected in Area 1 were analyzed for the constituents listed below.

- Arsenic, barium, cadmium, lead, mercury, selenium, silver, copper, iron, magnesium, and zinc (WQCC Metals).
- Chlorides and soluble sulfates.

Additionally, soil samples collected at 3 feet bgs were analyzed using EPA Method 8270 (semivolatile organic compounds) and 418.1 (total petroleum hydrocarbons).

Soil samples collected in Areas 2, 3, and 4 were be analyzed for the constituents listed below.

- Arsenic, barium, cadmium, lead, mercury, selenium, silver, copper, iron, magnesium, and zinc (WQCC Metals) at 5, 15 and 25-foot depths.
- Total petroleum hydrocarbons (TPH), using EPA Method 418.1 at all depths.
- EPA Method 8270 for selected samples that show evidence of high likelihood of contamination.

All samples were screened using an organic vapor monitor. Any samples showing concentration greater than 100 ppm were analyzed for BTEX constituents using SW-846 EPA Method 8021B.

Chain-of-custody procedures included:

- Samples collected by field personnel were accompanied by a Chain-of-Custody Record Form which included date and time of collection, container type, preservatives used, number of samples, sample descriptions, and others.
- Sample identification labels and Chain-of-Custody Records were completed with waterproof ink, and placed in a waterproof bag for shipment.

- Chain-of-Custody documentation were completed at each sample location prior to sampling at the next site.

3.3 Monitoring Well Installation and Groundwater Sampling

3.3.1 Monitoring Well Installation

To evaluate the potential impact to ground water, five monitoring wells were installed on the site (Appendix A, Figure 5). The monitoring wells were placed in the following locations: northwest corner of the property; southeast corner of the bulk tank area; down-gradient of the septic tank; southeast corner of the property and near the southeast corner of the office building. The following describes the monitoring well installation procedures and specifications:

- Wells were drilled using an air-rotary drilling method. Wells were drilled to an approximate depth of 63 feet bgs.
- Approximately 15 feet of screen was installed in the well with 10 feet of screen below the water table level, and 5 feet above the water table level. Screen placement was determined in the field by the field geologist. Screening zones were based on field observations and logging data.
- The wells were constructed with Schedule 40 PVC casing and screen.
- Screened zones had appropriate filter pack placed in a manner to avoid any bridging. Filter pack was placed 2-3 feet above the top of the screened zone. Wells were properly sealed with bentonite 2-3 feet above the filter packs and cement grout.
- The wells had surface completions that will protect the well from any damage or unauthorized access.

Monitoring well logs are included in Appendix D. Well construction diagrams are included in Appendix E.

3.3.2 Monitoring Well Purging

Monitoring well purging activities included the following:

- A measuring point established on the well casing as a consistent measuring point. Each well was sounded three times for depth to water.
- Wells were purged with a decontaminated submersible pump.

- A minimal volume of water was purged, taking into consideration the stabilization of pH, electrical conductance (EC), and oxidation reduction potential (ORP) over at least two to three casing volumes.
- The rate of purging was calculated and recorded.
- Purge water was containerized and stored.

Groundwater elevation and purge data are summarized in Table 4.

3.3.3 Groundwater Sampling Techniques

In order to ensure that proper groundwater samples were collected, the following procedures will be followed:

- Groundwater samples were collected with disposable bailers and nylon cord. The bailer and cord were disposed of after the sample has been collected.
- Samples were placed in laboratory supplied, clean containers. Each container was marked with the sample designation, date and time, sampler's initials, and required analysis.
- Samples were placed in a cooler after collection and kept chilled until delivered to the laboratory.

Chain-of-custody procedures included:

- Samples collected by field personnel were accompanied by a Chain-of-Custody Record Form which included date and time of collection, container type, preservatives used, number of samples, sample descriptions, and others.
- Sample identification labels and Chain-of-Custody Records were completed with waterproof ink, and placed in a waterproof bag for shipment.
- Chain-of-Custody documentation were completed at each sample location prior to sampling at the next site.

3.3.4 Groundwater Sample Analytical Methods

All groundwater samples were analyzed for the constituents listed below.

- Arsenic, barium, cadmium, lead, mercury, selenium, silver, copper, iron, magnesium, and zinc (WQCC Metals).
- Volatile organic compounds

- Fluoride, calcium, potassium, magnesium, sodium, bicarbonate, carbonate, chloride, sulfate, nitrate, and anion/cation balance (General Chemistry).

3.4 Equipment Decontamination

All field sampling equipment and sample preparation equipment was decontaminated between samples using a non-phosphatic detergent wash, tap water rinse, and a deionized water rinse and the guidance given in ASTM Standard D 5088-90: *Standard Practice for Decontamination of Field Equipment Used at Nonradioactive Waste Sites*.

4.0 ANALYTICAL RESULTS

4.1 Soils

This section discusses the analytical results of soil samples collected during the site investigation. A total of 72 unique and 10 duplicate soil samples were collected and submitted for analysis. Since the State of New Mexico has no existing soil remediation concentrations, all soil analytical results are compared to Texas Risk Reduction Program (TRRP) concentrations (30 TAC Chapter 350). More specifically, the TRRP concentrations included in this report are Tier 1 Residential Soil Protective Concentration Levels (PCLs) for a 30 acre source area. These are general default concentrations for residential properties. For the purposes of this report applicable constituents will be compared with the aforementioned PCLs, with the exception TPH. A TPH action level of 1,000 mg/Kg will be used as outlined in New Mexico Oil Conservation Division's, *Guidelines for Remediation of Leaks, Spills, and Releases* (1993). A list of applicable PCLs and TPH action levels are included in Appendix A, Table 5. All analytical results for soils are summarized in Appendix A, Tables 6 through 10

All soil samples were assigned a unique sample identifier. Each identifier was comprised of a numeric sample location, a four number depth descriptor, and an alpha character sample type descriptor. The components of the sample designations are described below.

- *Sample Location.* This component consists of a single number unique to each sample location. These numbers start at 1, and increase sequentially at each sample location.
- *Sample Depth Zone.* The sample depth descriptor consists of four numbers. The first two numbers signify the top of the sample zone (feet bgs), and the last two numbers signify the bottom of the sample zone (feet bgs).
- *Sample Type.* The letter designation and its associated sample type are as follows:
 - A unique
 - B duplicate/replicate

For example, the designation of a unique sample collected at Location No. 9 from 14 to 15 feet bgs would be 9-1415-A.

4.1.1 Background

A total of 3 background samples were collected. No concentrations exceeded applicable PCLs.

4.1.2 Area 1

A total of 9 unique samples and 1 duplicate sample were collected in this area. Sample 6-0204-B had an arsenic concentration of 25.5 mg/Kg which exceeds the PCL of 24 mg/Kg. All other samples from this area had concentrations below applicable PCL and OCD action levels.

4.1.3 Area 2

A total of 44 unique samples and 7 duplicate samples were collected from this area. Eight samples exceeded the PCL for arsenic with Sample 16-0305-A having the highest arsenic concentration of 34.8 mg/Kg. Sample 12-2325-A had a benzene concentration of 23.4 mg/Kg, which exceeds the PCL of 21 mg/Kg. Forty-one samples had TPH concentrations that exceeded 1,000 mg/Kg, with Sample 16-03005-A having the highest concentration of 71,900 mg/Kg. All sample locations exceeding 1,000 mg/Kg had decreasing TPH concentrations with depth, with the exception of SB-15.

4.1.4 Area 3

A total of 8 unique samples and 1 duplicate sample were collected in this area. Two samples exceeded the PCL for arsenic with Sample 18-0305-A having the highest concentration of 27.8 mg/Kg. All 4 samples collected at SB-21 had concentrations exceeding 1,000 mg/Kg for TPH. Sample 21-0305-A had the highest concentration with 9,020 mg/Kg. TPH concentrations at SB-21 decreased with depth. Sample T1 collected from one of the trenches had a TPH concentration of 1,430 mg/Kg.

NEED PICTURES
of TRENCHES

4.1.5 Area 4

A total of 8 unique samples and 1 duplicate sample were collected in this area. Two samples exceeded the PCL for arsenic with Sample 19-1315-A having the highest concentration of 27 mg/Kg.

4.2 Groundwater

This section discusses the analytical results of groundwater samples collected during the site investigation. A total of 5 unique and 1 duplicate groundwater samples were collected and submitted for analysis. All detected groundwater concentrations are compared to WQCC standards. A list of applicable WQCC Standards are included in Appendix A, Table 11. All analytical results for soils are summarized in Appendix A, Tables 12 through 14.

Groundwater samples have the following sample identifiers:

- Monitoring Well 1 - MW1
- Monitoring Well 2 - MW2
- Monitoring Well 3 - MW3
- Monitoring Well 4 – MW4
- Monitoring Well 5 – MW5

4.2.1 Monitoring Well 1 (MW-1)

The sample from MW-1 exceeded WQCC Standards for the following: 2.93 mg/L of fluoride; 19.2 mg/L of nitrate-N, and 1,250 mg/L of total dissolved solids (TDS).

4.2.2 Monitoring Well 2 (MW-2)

The sample from MW-2 exceeded WQCC Standards for the following: 251 mg/L of chloride; 2.6 mg/L of fluoride; 14.7 mg/L of nitrate-N, and, 1,190 mg/L of TDS.

4.2.3 Monitoring Well 3 (MW-3)

The sample from MW-3 exceeded WQCC Standards for the following: 12.7 mg/L of nitrate-N, and, 1,490 mg/L of TDS.

4.2.4 Monitoring Well 4 (MW-4)

The sample from MW-4 exceeded WQCC Standards for the following: 2.29 mg/L of fluoride; 12.2 mg/L of nitrate-N; 0.139 mg/L of chromium; and, 1,020 mg/L of TDS.

4.2.5 Monitoring Well 5 (MW-5)

The sample from MW-5 exceeded WQCC Standards for the following: 370 mg/L of chloride; 2.28 mg/L of fluoride; 14 mg/L of nitrate-N, and, 1,550 mg/L of TDS.

5.0 FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS

The following findings, conclusions, and recommendations are based on review of records and evaluation of the investigation data

5.1 Findings

A magnetic and electromagnetic geophysical survey was conducted over the entire site. Results of the survey indicated six areas of unknown responses. Five of these areas were

investigated by excavation or soil borings. Excavations showed that the area in the southwest portion of the site contained buried debris and stained soil. The area in the southeast portion showed a buried shallow metal pipe. No stained soil was observed in this area. The other excavated areas showed no indication of soil impact.

Three background samples were collected. None of the samples exceeded applicable PCLs.

Five locations in Area 1 were sampled in the "yellow stained area" and surrounding area. A tar-like asphalt material was encountered at SB-4, SB-5, SB-6, SB, and SB-8. Sample 6-0204-B had an arsenic concentration of 25.5 mg/Kg which exceeds the PCL of 24 mg/Kg. All other samples from this area had concentrations below applicable PCL and OCD action levels.

Black stained fill material was encountered in Area 2 at approximately 7.5 feet bgs to approximately 15 to 20 feet bgs. Caliche and sandstone material was encountered at approximately 20 feet bgs. No black stained material was observed in SB-11. Hydrocarbon product was observed in SB-10, SB-13, and SB-14. Eight samples exceeded the PCL for arsenic with Sample 16-0305-A having the highest arsenic concentration of 34.8 mg/Kg. Sample 12-2325-A had a benzene concentration of 23.4 mg/Kg, which exceeds the PCL of 21 mg/Kg. Forty-one samples had TPH concentrations that exceeded 1,000 mg/Kg, with Sample 16-03005-A having the highest concentration of 71, 900 mg/Kg. All sample locations exceeding 1,000 mg/Kg had decreasing TPH concentrations with depth, with the exception of SB-15. The vertical and extents of the impact from the pit were not defined.

Two borings were placed in Area 3 (SB-18 and SB-21). Both borings were complete to 25 feet bgs.. SB-18 showed no indications of impact while SB-21 samples had a hydrocarbon odor to 15 feet bgs. Two samples exceeded the PCL for arsenic with Sample 18-0305-A having the highest concentration of 27.8 mg/Kg. All 4 samples collected at SB-21 had concentrations exceeding 1,000 mg/Kg for TPH. Sample 21-0305-A had the highest concentration with 9,020 mg/Kg. TPH concentrations at SB-21 decrease with depth.

Five shallow trenches approximately 30 feet long and 5 feet deep were excavated in Area 3 (Trenched Area). The excavation showed buried metal debris, and black stained oil. The horizontal extent of the buried debris was delineated and covered an area approximately 65 feet wide by 30 feet long. The vertical extent was not delineated. The trenches were backfilled with native material. Sample T1 collected from one of the trenches had a TPH concentration of 1,430 mg/Kg.

Two borings were placed in Area 4 (SB-19 and SB-20). One boring was placed on the north side of the tank area and one boring was placed near the southeast corner of the tank area. Two samples exceeded the PCL for arsenic with Sample 19-1315-A having the highest concentration of 27 mg/Kg. SB-19 and SB-20 showed no concentrations of TPH above detection limits.

The sample from MW-1 exceeded WQCC Standards for the following: 2.93 mg/L of fluoride; 19.2 mg/L of nitrate-N, and 1,250 mg/L of total dissolved solids (TDS).

The sample from MW-2 exceeded WQCC Standards for the following: 251 mg/L of chloride; 2.6 mg/L of fluoride; 14.7 mg/L of nitrate-N, and, 1,190 mg/L of TDS.

The sample from MW-3 exceeded WQCC Standards for the following: 12.7 mg/L of nitrate-N, and, 1,490 mg/L of TDS.

The sample from MW-4 exceeded WQCC Standards for the following: 2.29 mg/L of fluoride; 12.2 mg/L of nitrate-N; 0.139 mg/L of chromium; and, 1,020 mg/L of TDS.

The sample from MW-5 exceeded WQCC Standards for the following: 370 mg/L of chloride; 2.28 mg/L of fluoride; 14 mg/L of nitrate-N, and, 1,550 mg/L of TDS.

5.2 Conclusions

Background concentration for arsenic are close to the PCL. This may indicate that naturally occurring background concentrations for arsenic are elevated.

Area 1 sample concentrations did not exceed applicable PCL or TPH action levels, with the exception of arsenic in one sample. This elevated concentration is most likely attributed to background concentrations. Soils that showed elevated concentrations of in past investigation have been remediated. Remediation report is included in Appendix G of the RAPP.

The investigation indicates that Area 2 was a former waste pit and has impacted soil with elevated concentrations of TPH. Vertical and horizontal extents were not defined, but TPH concentrations decrease with depth, with the exception of SB-15. All other concentrations of WQCC metals with the exception of arsenic, were well below applicable PCLs.

A former waste pit containing metal debris occupies Area 3, with small amounts of soil showing elevated TPH concentration. The vertical extent of this pit is not known. It appears that a surface release occurred in the area of SB-21, indicated by elevated TPH concentrations in the subsurface.. SB-21 showed decreasing concentrations of TPH with depth most likely attributable to sandstone and caliche material encountered at depth.

Area 4 showed no indication of soil impact from past or present facility operations.

Groundwater concentrations exceeding WQCC standards for fluoride, nitrate-N, chloride, and TDS were detected site wide, including an upgradient well. This indicates that these concentrations are naturally occurring concentrations. Elevated concentrations of chromium in MW-4 may have its source in the septic system upgradient of the well.

What About
The Chlorides!

Chlorides

po! < 250 ppm

5.3 Recommendations

Further investigation is recommended in Area 2 to delineate the vertical and horizontal extent of the soil impact. Additionally, it is recommended that a groundwater monitoring well be installed down gradient of Area 2 to evaluate the potential for groundwater impact.

Re-sampling of MW-4 for chromium is recommended to confirm the presence chromium. It is also recommended that the septic tank be cleaned out to remove any potential material containing chromium.

6.0 REFERENCES

Enercon Services, Inc., *Revised Abatement Plan Proposal*. September 10, 2000

New Mexico Oil Conservation Division, *Guidelines for Remediation of Leaks, Spills and Releases*. August 13, 1993

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USEPA. *Preparation of Soil Sampling Protocols: Sampling Techniques and Strategies*. Office of Research and Development, Washington, D.C. 1992. EPA/600/R-92/128.

USEPA. *Soil Screening Guidance. User's Guide*. Office of Emergency and Remedial Response. Washington, D.C. 1996. EPA/540/R-96/018.

USEPA. *Test Methods for Evaluating Solids Waste, Physical/Chemical Methods*. Publication SW-846, 1996

APPENDIX A
FIGURES AND TABLES

TABLE 1

**Production Chemicals Stored at the Facility
Champion Technologies, Inc.
Hobbs, NM**

Description of Chemicals

Name	Description
Cortrons	Corrosion inhibitors for the oilfield that normally consists of Imadazolines, amines, fatty acids, and various organic solvents. Sometimes the solvent is water. The organic solvents are usually mixed alcohols or heavy aromatic naphthas.
Scortrons	Combination scale and corrosion inhibitors that normally consist of the same things found in corrosion with the addition of phosphonates, amides, and bisulfites.
Gyptrons	Scale treating compounds for the oilfield that are used either to prevent scale from forming or removing it. This line normally consists of products based on water soluble phosphonates either in the neutralized or unneutralized form.
Emulsotrons	Chemicals for treating oilfield oil and water emulsions will normally consist of surfactants in an organic solvent such as heavy aromatic naphtha.
Flexoils	Paraffin treating compounds for the oilfield. Normally consists of high molecular weight polymers in an organic solvent such as xylene, toluene, or heavy aromatic naphtha.
Flotrons	Paraffin treating compounds for the oilfield that generally consist of surfactants in either aqueous or organic solvent. Solvents for organic blends are heavy aromatic naphtha or xylene, etc. Aqueous blends consist of water, methanol, or isopropanol as the solvent system.
Gas Treat	Amine based chemicals for treating sour gas
Foamatrons	Blends much like Surfatrions chemistry
Defoamers	Organic solvent based chemicals for preventing or removing foam problems in the oilfield
Bactrons	Bacteriocides for treating oilfield corrosion problems. These normally consist of aldehyde or quaternary amine chemistry.
Cleartrons	Used for water clarification in the oilfield to remove residual amounts of oil from water. These chemicals normally consist of polymers in an aqueous solvent system.
Xylene & Han	Oil base hydrocarbons used as solvents in oilfield chemical treatment mixtures
Methanol & IPA	Alcohol used as solvents in oilfield treatment mixtures

TABLE 2

Summary of Previously Detected Concentrations (Soil)
Champion Technologies, Inc.
Hobbs, NM

Sample No.	Constituent	Test Method	Result
9812081209	Benzo (a) pyrene	EPA 8310	63 ug/Kg
	Benzo (b) fluoranthene		54 ug/Kg
	Benzo (k) fluoranthene		100 ug/Kg
	Chrysene		61 ug/Kg
	Dibenzo (a,h) anthracene		20 ug/Kg
	Fluorene		32 ug/Kg
	Naphthalene		22 ug/Kg
	Pyrene		22 ug/Kg
	1-Methylnaphthalene		73 ug/Kg
	Bis (2-ethylhexyl) phthalate	EPA 8270C	630 ug/Kg
	Aluminum	EPA 6010	5,500 mg/Kg
	Arsenic		3.2 mg/Kg
	Barium		600 mg/Kg
	Calcium		120,000 mg/kg
	Chromium		1,600 mg/Kg
	Cobalt		2.7 mg/Kg
	Copper		4.9 mg/Kg
	Iron		5,500 mg/Kg
	Lead		8.4 mg/Kg
	Magnesium		2,400 mg/Kg
	Manganese		120 mg/Kg
	Nickel		5.0 mg/Kg
	Potassium		2,000 mg/Kg
	Sodium		2,600 mg/Kg
	Vanadium		7.5 mg/Kg
	Zinc		61 mg/Kg
	Chloride	EPA 325.3	600 mg/Kg
	Nitrate	SM 4500-NO	4.3 mg/Kg
	Nitrite		0.64 mg/Kg
	Silica	EPA 370.1	12 mg/Kg
	Sulfate, soluble	EPA 375.4	800 mg/Kg
	Barium	TCLP	0.36 mg/L
	Chromium	TCLP	33 mg/L

TABLE 3

Summary of Previously Detected Concentrations (Groundwater)
Champion Technologies, Inc.
Hobbs, NM

Sample No.	Constituent	Test Method	Result
9812081151	Alkalinity, bicarb	SM 2320B	225 mg/L
	Alkalinity, total	EPA 310.1	225 mg/L
	Bromide	SM 4500-Br	1.7 mg/L
	Chloride	EPA 300.0	400 mg/L
	Conductivity	EPA 120.1	1,800 umho
	Fluoride, total	EPA 340.2	1.5 mg/L
	Nitrate	EPA 353.1	2.2 mg/L
	Silica	EPA 370.1	26 mg/L
	Total Dissolved Solids	EPA 160.1	1,300 mg/L
	Calcium	EPA 200.7	160 mg/L
	Magnesium		30 mg/L
	Potassium		7.5 mg/L
	Sodium		140 mg/L

TABLE 4

**Summary of Groundwater Elevation & Purge Data
Champion Technologies, Inc.
Hobbs, NM**

Well ID	Date Purged	Depth to Water (ft bgs)	TOC (ft msl)	Groundwater Elevation (ft msl)	Gallons Purged
MW-1	18-Sep-00	48.91	3597.831	3548.921	28
MW-2	18-Sep-00	56.6	3602.717	3546.117	13
MW-3	18-Sep-00	56.95	3602.797	3545.847	12
MW-4	18-Sep-00	55.29	3602.687	3547.397	16
MW-5	18-Sep-00	55.11	3602.62	3547.505	16

TABLE 5

**TRRP Tier 1
Residential Soil Protective Concentration Levels (PCLs)
30-Acre Area Source**

Constituent	Total Soil Comb (mg/kg)
Benzene	21
Toluene	2600
Ethylbenzene	4000
Xylenes, Total	3300
Mercury	5.5
Arsenic	24
Barium	2800
Cadmium	43
Chromium	23000
Lead	500
Selenium	310
Silver	95
Nitrate-N	13,000
Nitrite	8,000
Magnesium	--
Copper	550
Iron	--
Manganese	3400
Zinc	
2-Methylnapthalene	2500
Napthalene	120

JPH-?
CHLORIDES

TABLE 6**Metals in Soil
(mg/kg)**

Sample ID	Sample Date	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Selenium	Silver	Zinc
1-0001-A	16-Sep-00	13.7	540	1.42	20.1	12.1	4,832	23.2	156	<0.200	<5.00	<5.00	115
2-0001-A	16-Sep-00	17	293	1.23	8.32	4.2	1,072	10.2	81.1	<0.200	<5.00	<5.00	50.5
3-0001-A	16-Sep-00	20.4	857	1.39	7.12	7.06	3,732	17.3	91.9	<0.200	<5.00	<5.00	38.6
4-0002-A	16-Sep-00	16.3	782	1.36	8.59	6.93	3,123	13.5	60.8	0.322	<5.00	<5.00	24.9
4-0204-A	16-Sep-00	19.4	439	1.09	7.02	4.11	1,550	6.07	34.8	0.428	<5.00	<5.00	18.2
5-0002-A	16-Sep-00	16.1	228	1.13	<5.00	2.97	652	6.79	39.3	0.537	<5.00	<5.00	5.72
5-0204-A	16-Sep-00	15.8	277	1.36	<5.00	2.37	1,014	5.24	25.9	1.59	<5.00	<5.00	5.29
6-0002-A	16-Sep-00	22	299	1.23	<5.00	3.8	729	13.9	43.5	0.368	<5.00	<5.00	21
6-0204-A	16-Sep-00	21.7	267	1.19	<5.00	1.89	477	2.38	13.8	0.368	<5.00	<5.00	4.64
6-0204-B	16-Sep-00	25.5	359	1.31	<5.00	2.42	1,161	4.82	13.7	0.512	<5.00	<5.00	6.44
7-0002-A	16-Sep-00	18.1	350	1.27	5.87	4.12	681	5.57	30.9	0.237	<5.00	<5.00	12.9
7-0204-A	16-Sep-00	17.7	113	1.42	<5.00	2.63	1,715	5.28	19.7	0.428	<5.00	<5.00	9.83
8-0002-A	16-Sep-00	23.1	492	1.34	6.07	4.4	998	7.36	31.8	0.293	<5.00	<5.00	14.3
8-0204-A	16-Sep-00	20.8	533	1.35	<5.00	2.73	805	4.43	11.1	0.824	<5.00	<5.00	6.38
9-0810-A	15-Sep-00	18.2	56.4	1.54	17.8	<1.00	6,868	7.64	41.5	<0.200	<5.00	<5.00	17.8
9-1315-A	15-Sep-00	27.3	348	1.56	15.3	2.73	4,526	6.92	58.2	<0.200	<5.00	<5.00	29.3
9-1315-B	15-Sep-00	22.8	1,075	1.84	10.4	41.9	4,782	86.8	66.4	<0.200	<5.00	<5.00	53.8
9-1820-A	15-Sep-00	15.9	109	1.41	<5.00	<1.00	4,218	1.67	82.6	<0.200	<5.00	<5.00	9.24
9-2325-A	15-Sep-00	43	129	1.36	<5.00	2.8	2,811	3.21	54.6	<0.200	<5.00	<5.00	6.03
10-0305-A	14-Sep-00	16.2	111	1.9	18	3.95	4,436	7.09	39.7	<0.200	<5.00	<5.00	11.1
10-0810-A	14-Sep-00	17.8	196	2.22	114	3.65	6,867	23.3	17.8	<0.200	<5.00	<5.00	163
10-1315-A	14-Sep-00	<5.00	39.1	<0.500	<5.00	<1.00	3,250	2.4	16.3	<0.200	<5.00	<5.00	4.29
10-2325	14-Sep-00	<5.00	154	<0.500	<5.00	2.39	2,168	1.79	24	<0.200	<5.00	<5.00	7.28
11-0305-A	14-Sep-00	<5.00	172	<0.500	<5.00	2.07	1,392	3.51	15.5	<0.200	<5.00	<5.00	4.22
11-1315-A	14-Sep-00	<5.00	415	<0.500	<5.00	2.35	2,083	2.77	32.6	<0.200	<5.00	<5.00	6.77
11-2325-A	14-Sep-00	<5.00	170	<0.500	<5.00	2.49	1,931	1.29	29.6	<0.200	<5.00	<5.00	5.49
12-0305-A	14-Sep-00	<5.00	884	<0.500	<5.00	3.05	2,441	6.06	48.4	<0.200	<5.00	<5.00	14.7
12-1315-A	14-Sep-00	<5.00	365	<0.500	<5.00	1.34	2,282	1.85	34.9	<0.200	<5.00	<5.00	4.34
12-2325-A	14-Sep-00	<5.00	616	<0.500	<5.00	1.94	866	<1.00	13.5	<0.200	<5.00	<5.00	2.81
12-2729-A	14-Sep-00	<5.00	106	<0.500	<5.00	<1.00	1,341	1.53	11.5	<0.200	<5.00	<5.00	2.63
13-0305-A	15-Sep-00	14.8	337	1.78	5.73	3.95	3,686	15	66.7	<0.200	<5.00	<5.00	24.4
13-0810-A	15-Sep-00	34	480	1.72	6.59	6.84	4,264	14.7	68.3	<0.200	<5.00	<5.00	43.6
13-1315-A	15-Sep-00	31.2	203	1.49	<5.00	1.79	2,336	3.52	47	<0.200	<5.00	<5.00	6.93
13-2325-A	15-Sep-00	33.3	332	1.76	<5.00	<1.00	1,369	2.02	20.9	<0.200	<5.00	<5.00	5.62
14-0305-A	15-Sep-00	14.2	388	1.5	41.4	1.19	2,234	7.94	40.4	<0.200	<5.00	<5.00	27.4
14-1315-A	15-Sep-00	17.1	63.3	1.48	<5.00	<1.00	2,690	4.59	42.4	<0.200	<5.00	<5.00	7.01
14-2325-A	15-Sep-00	9.76	214	1.67	<5.00	3.04	1,225	2.94	22.1	<0.200	<5.00	<5.00	4.27
14-2325-B	15-Sep-00	31.2	327	1.53	<5.00	4.44	1,881	3.61	27	<0.200	<5.00	<5.00	5.66
15-0305-A	15-Sep-00	15.2	344	1.5	<5.00	<1.00	2,467	3.98	29.5	<0.200	<5.00	<5.00	9.96
15-1315-A	15-Sep-00	22	73.2	1.37	<5.00	<1.00	2,470	3.42	29	<0.200	<5.00	<5.00	5.49
15-2325-A	15-Sep-00	26.4	251	1.55	<5.00	<1.00	1,472	2.08	41.2	<0.200	<5.00	<5.00	4.56
15-2325-B	15-Sep-00	15.8	479	1.58	<5.00	<1.00	1,750	1.42	37.2	<0.200	<5.00	<5.00	4.97

TABLE 6**Metals in Soil
(mg/kg)**

Sample ID	Sample Date	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Selenium	Silver	Zinc
16-0305-A	16-Sep-00	34.8	2,163	1.85	22.2	31.9	7,101	76.6	83.8	0.276	<5.00	<5.00	392
16-1315-A	16-Sep-00	28	183	1.52	<5.00	2.94	1,906	<1.00	46.2	<0.200	<5.00	<5.00	7.3
16-2325-A	16-Sep-00	18.8	216	1.29	<5.00	3.54	1,192	5.52	25.5	0.218	<5.00	<5.00	8.38
17-1315-A	16-Sep-00	20	876	1.65	<5.00	1.06	4,594	2.06	92.5	<0.200	<5.00	<5.00	11.5
17-2325-A	16-Sep-00	25.7	507	1.38	<5.00	<1.00	1,379	3.71	24.1	<0.200	<5.00	<5.00	5.02
18-0305-A	16-Sep-00	27.8	284	1.23	<5.00	3.51	2,275	3.78	17.6	<0.200	<5.00	<5.00	10.1
18-1315-A	16-Sep-00	16.4	148	1.17	<5.00	1.92	837	3.13	23.2	0.394	<5.00	<5.00	6.78
19-0305-A	16-Sep-00	21.6	199	1.13	<5.00	2.29	1,529	5.58	23.8	<0.200	<5.00	<5.00	7.97
19-0305-B	16-Sep-00	25.5	233	1.34	<5.00	2.2	630	5	19.1	0.309	<5.00	<5.00	3.78
19-1315-A	16-Sep-00	27	219	1.22	5.55	3.33	3,130	6.04	47.4	<0.200	<5.00	<5.00	10.9
19-2325-A	16-Sep-00	15.4	436	1.19	<5.00	7.32	1,634	3.86	29.7	0.257	<5.00	<5.00	9.78
20-0507-A	12-Sep-00	<5.00	100	<0.500	<5.00	2.64	2,360	3.17	87.4	<0.200	<5.00	<5.00	7.26
20-1517-A	12-Sep-00	<5.00	106	<0.500	<5.00	1.1	1,636	1.98	33.7	<0.200	<5.00	<5.00	5.34
21-0305-A	16-Sep-00	12.4	375	1.23	<5.00	2.19	1,818	4.47	20	<0.200	<5.00	<5.00	7.38
21-0305-B	16-Sep-00	15	204	1.29	<5.00	2.56	2,824	5.9	23.9	<0.200	<5.00	<5.00	12.5
21-1315-A	16-Sep-00	21.3	362	1.3	<5.00	2.8	884	5.35	13.9	<0.200	<5.00	<5.00	4.05

TABLE 7**BTEX TPH In Soil
(mg/kg)**

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes, total	TPH (418.1)
4-0204-A	16-Sep-00	NA	NA	NA	NA	875
5-0204-A	16-Sep-00	NA	NA	NA	NA	<10.0
6-0204-A	16-Sep-00	NA	NA	NA	NA	<10.0
6-0204-B	16-Sep-00	NA	NA	NA	NA	<10.0
7-0204-A	16-Sep-00	NA	NA	NA	NA	<10.0
8-0204-A	16-Sep-00	NA	NA	NA	NA	<10.0
9-0810-A	15-Sep-00	0.736	5.62	9.47	21.4	27200
9-1315-A	15-Sep-00	0.165	0.819	3.34	6.99	22500
9-1315-B	15-Sep-00	0.169	0.482	3.46	6.98	7880
9-1820-A	15-Sep-00	1.92	0.448	10.9	19.1	30100
9-2325-A	14-Sep-00	0.337	0.287	3.42	5.29	7180
10-0305-A	14-Sep-00	NA	NA	NA	NA	16900
10-0810-A	14-Sep-00	NA	NA	NA	NA	846
10-1315-A	14-Sep-00	0.379	0.380	8.24	17.6	27100
10-1820-A	14-Sep-00	0.325	0.145	4.61	8.46	12800
10-2325	14-Sep-00	1.69	0.336	9.12	15.5	25200
11-0305-A	14-Sep-00	<0.125	<0.125	1.09	9.88	44800
11-0810-A	14-Sep-00	NA	NA	NA	NA	10900
11-1315-A	14-Sep-00	<0.125	0.161	0.913	2.91	15900
11-2325-A	14-Sep-00	NA	NA	NA	NA	<10.0
12-0305-A	14-Sep-00	NA	NA	NA	NA	<10.0
12-0810-A	14-Sep-00	NA	NA	NA	NA	200
12-1315-A	14-Sep-00	2.29	10.7	19.0	34.6	28700
12-1820-A	14-Sep-00	2.04	9.34	17.6	31.5	36800
12-2325-A	14-Sep-00	<0.125	0.362	1.41	2.72	3050
12-2729-A	14-Sep-00	0.23	1.36	8.04	15.4	12000
13-0305-A	15-Sep-00	3.85	27.8	24.4	78.5	36700
13-0810-A	15-Sep-00	2.3.4	1.26	38.0	68.9	26500
13-1315-A	15-Sep-00	0.869	3.75	5.69	11.4	10400
13-1820-A	15-Sep-00	3.51	8.21	16.6	28.6	26400
13-2325-A	15-Sep-00	0.202	1.12	6.94	10.0	8380

NA = Not Analyzed

TABLE 7**BTEX TPH In Soil
(mg/kg)**

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes, total	TPH (418.1)
13-2830-A	15-Sep-00	0.596	0.642	11.3	12.6	9880
14-0305-A	15-Sep-00	3.69	17.3	18.8	46.5	20900
14-0810-A	15-Sep-00	15.4	45.3	24.9	62.6	60500
14-1315-A	15-Sep-00	2.23	4.19	13.3	17.7	19500
14-1820-A	15-Sep-00	0.304	0.838	4.92	6.04	2130
14-1820-B	15-Sep-00	0.67	0.541	5.39	5.99	7870
14-2325-A	15-Sep-00	0.24	0.630	3.27	3.17	6280
14-2325-B	15-Sep-00	0.177	0.721	2.96	3.44	1890
15-0305-A	15-Sep-00	NA	NA	NA	NA	2600
15-0810-A	15-Sep-00	0.391	0.359	8.91	17.0	20700
15-0810-B	15-Sep-00	0.377	0.316	6.52	13.4	26600
15-1315-A	15-Sep-00	0.372	0.700	5.61	9.12	12700
15-1820-A	15-Sep-00	<0.125	<0.125	4.82	10.1	10600
15-2325-A	16-Sep-00	0.732	<0.125	7.39	12.3	6040
16-0305-A	16-Sep-00	0.374	0.699	5.61	9.11	71900
16-0810-A	16-Sep-00	NA	NA	NA	NA	<10.0
16-1315-A	16-Sep-00	NA	NA	NA	NA	675
16-1820-A	16-Sep-00	NA	NA	NA	NA	873
16-2325-A	16-Sep-00	NA	NA	NA	NA	<10.0
17-0810-A	16-Sep-00	2.05	5.72	13.6	23.3	24100
17-1315-A	16-Sep-00	1.37	2.96	9.61	14.4	27400
17-1820-A	16-Sep-00	0.172	0.415	3.34	6.12	10300
17-1820-B	16-Sep-00	<0.125	0.393	2.38	4.42	14800
17-2325-A	16-Sep-00	NA	NA	NA	NA	6320
18-0305-A	16-Sep-00	NA	NA	NA	NA	<10.0
18-0810-A	16-Sep-00	NA	NA	NA	NA	<10.0
18-1315-A	16-Sep-00	NA	NA	NA	NA	<10.0
18-1820-A	16-Sep-00	NA	NA	NA	NA	<10.0
19-0305-A	16-Sep-00	NA	NA	NA	NA	<10.0
19-0305-B	16-Sep-00	NA	NA	NA	NA	<10.0
19-0810-A	16-Sep-00	NA	NA	NA	NA	<10.0

NA = Not Analyzed

TABLE 7

**BTEX TPH In Soil
(mg/kg)**

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes, total	TPH (418.1)
19-1315-A	16-Sep-00	NA	NA	NA	NA	<10.0
19-1820-A	16-Sep-00	NA	NA	NA	NA	<10.0
19-2325-A	16-Sep-00	NA	NA	NA	NA	<10.0
20-0507-A	16-Sep-00	NA	NA	NA	NA	<10.0
20-1012-A	16-Sep-00	NA	NA	NA	NA	<10.0
20-1517-A	16-Sep-00	NA	NA	NA	NA	<10.0
21-0305-A	16-Sep-00	<0.125	<0.125	0.177	0.627	9020
21-0305-B	16-Sep-00	NA	NA	NA	NA	4910
21-0810-A	16-Sep-00	NA	NA	NA	NA	1850
21-1315-A	16-Sep-00	NA	NA	NA	NA	1710

NA = Not Analyzed

TABLE 8**SVOCs In Soil
(mg/kg)**

Sample ID	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol
4-0204-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
5-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-B	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
7-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
8-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
9-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
12-1315-A	14-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
13-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
14-1315-A	15-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0
15-1315-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
15-1315-B	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
17-2325-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
21-0305-A	16-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0

Sample ID	Sample Date	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
4-0204-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
5-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-B	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
7-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
8-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
9-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
12-1315-A	14-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
13-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
14-1315-A	15-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0
15-1315-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
15-1315-B	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
17-2325-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
21-0305-A	16-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0

TABLE 8**SVOCs In Soil
(mg/kg)**

Sample ID	Sample Date	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methyl-4,6-dinitrophenol	2-Methylnaphthalene
4-0204-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
5-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-B	16-Sep-00	<0.330	<0.330	<0.330	<0.330	0.368
7-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
8-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
9-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
12-1315-A	14-Sep-00	<3.30	<3.30	<3.30	<3.30	3.84
13-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	4.24
14-1315-A	15-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0
15-1315-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	3.65
15-1315-B	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
17-2325-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
21-0305-A	16-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0

Sample ID	Sample Date	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3-Nitroaniline	4-Bromophenylphenyl ether
4-0204-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
5-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-B	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
7-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
8-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
9-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
12-1315-A	14-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
13-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
14-1315-A	15-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0
15-1315-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
15-1315-B	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
17-2325-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
21-0305-A	16-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0

TABLE 8

**SVOCs In Soil
(mg/kg)**

Sample ID	Sample Date	4-Chloro-3-methylphenol	4-Chloroaniline	4-Chlorophenylphenyl ether	4-Methylphenol	4-Nitroaniline
4-0204-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
5-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-B	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
7-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
8-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
9-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
12-1315-A	14-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
13-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
14-1315-A	15-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0
15-1315-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
15-1315-B	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
17-2325-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
21-0305-A	16-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0

Sample ID	Sample Date	4-Nitrophenol	Acenaphthene	Acenaphthylene	Anthracene	Azobenzene
4-0204-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
5-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-B	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
7-0204-A	16-Sep-00	<0.330	<0.330	0.457	<0.330	<0.330
8-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
9-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
12-1315-A	14-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
13-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
14-1315-A	15-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0
15-1315-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
15-1315-B	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
17-2325-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
21-0305-A	16-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0

TABLE 8

SVOCs In Soil
(mg/kg)

Sample ID	Sample Date	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene
4-0204-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
5-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-B	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
7-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
8-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
9-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
12-1315-A	14-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
13-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
14-1315-A	15-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0
15-1315-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
15-1315-B	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
17-2325-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
21-0305-A	16-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0

Sample ID	Sample Date	Bis(2-chloroethoxy)methane	Bis(2-chloroethyl)ether	Bis(2-chloroisopropyl)ether	Bis(2-ethylhexyl)phthalate	Butylbenzyl phthalate
4-0204-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
5-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-B	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
7-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
8-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
9-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
12-1315-A	14-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
13-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
14-1315-A	15-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0
15-1315-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
15-1315-B	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
17-2325-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
21-0305-A	16-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0

NA = Not Analyzed

TABLE 8**SVOCs In Soil
(mg/kg)**

Sample ID	Sample Date	Carbazole	Chrysene	Di-n-butyl phthalate	Di-n-octyl phthalate	Dibenzo(a,h)anthracene
4-0204-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
5-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-B	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
7-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
8-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
9-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
12-1315-A	14-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
13-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
14-1315-A	15-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0
15-1315-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
15-1315-B	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
17-2325-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
21-0305-A	16-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0

Sample ID	Sample Date	Dibenzofuran	Diethyl phthalate	Dimethyl phthalate	Fluoranthene	Fluorene
4-0204-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
5-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-B	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
7-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
8-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
9-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
12-1315-A	14-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
13-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
14-1315-A	15-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0
15-1315-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
15-1315-B	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
17-2325-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
21-0305-A	16-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0

TABLE 8

SVOCs In Soil
(mg/kg)

Sample ID	Sample Date	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene
4-0204-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
5-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-B	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
7-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
8-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
9-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
12-1315-A	14-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
13-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
14-1315-A	15-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0
15-1315-A	15-Sep-00	<3.30	<3.30	<33.0	<3.30	<3.30
15-1315-B	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
17-2325-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
21-0305-A	16-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0

Sample ID	Sample Date	Isophorone	N-Nitrosodi-n-propylamine	N-Nitrosodimethylamine	Naphthalene	Nitrobenzene
4-0204-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
5-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
6-0204-B	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
7-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
8-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330	<0.330
9-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
12-1315-A	14-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
13-0810-A	15-Sep-00	<3.30	<3.30	<3.30	3.71	<3.30
14-1315-A	15-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0
15-1315-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
15-1315-B	15-Sep-00	<3.30	<3.30	<3.30	7.05	<3.30
17-2325-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30	<3.30
21-0305-A	16-Sep-00	<33.0	<33.0	<33.0	<33.0	<33.0

TABLE 8

SVOCs In Soil
(mg/kg)

Sample ID	Sample Date	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
4-0204-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30
5-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330
6-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330
6-0204-B	16-Sep-00	<0.330	<0.330	<0.330	<0.330
7-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330
8-0204-A	16-Sep-00	<0.330	<0.330	<0.330	<0.330
9-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30
12-1315-A	14-Sep-00	<3.30	<3.30	<3.30	<3.30
13-0810-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30
14-1315-A	15-Sep-00	<33.0	<33.0	<33.0	<33.0
15-1315-A	15-Sep-00	<3.30	<3.30	<3.30	<3.30
15-1315-B	15-Sep-00	<3.30	<3.30	<3.30	<3.30
17-2325-A	16-Sep-00	<3.30	<3.30	<3.30	<3.30
21-0305-A	16-Sep-00	<33.0	<33.0	<33.0	<33.0

TABLE 9

General Chemistry in Soil
(mg/kg)

Sample ID	Sample Date	Bicarbonate/ Carbonate	Calcium	Chloride	Fluoride	Magnesium	Nitrate-N	Nitrite	Potassium	Sodium	Sulfate
1-0001-A	16-Sep-00	88.7/0.390	29,724	151	6.02	2,951	18.5	<0.100	2,282	141	182
2-0001-A	16-Sep-00	50.0/0.230	55,323	174	4.9	1,573	211	<0.100	1,588	44.9	149
3-0001-A	16-Sep-00	58.3/0.097	41,746	12,428	8.56	3,012	113	<0.100	2,190	5,235	1,598
4-0002-A	16-Sep-00	NA	127,644	1,309	NA	3,947	NA	NA	1,192	934	544
4-0204-A	16-Sep-00	NA	195,257	837	NA	2,487	NA	NA	680	274	311
5-0002-A	16-Sep-00	NA	249,277	255	NA	2,522	NA	NA	559	451	304
5-0204-A	16-Sep-00	NA	144,136	1,176	NA	7,012	NA	NA	767	690	95.4
6-0002-A	16-Sep-00	NA	232,609	950	NA	3,304	NA	NA	526	733	310
6-0204-A	16-Sep-00	NA	261,474	1,382	NA	6,458	NA	NA	281	713	153
6-0204-B	16-Sep-00	NA	246,518	1,268	NA	5,367	NA	NA	528	563	192
7-0002-A	16-Sep-00	NA	262,587	649	NA	3,259	NA	NA	511	431	367
7-0204-A	16-Sep-00	NA	213,829	917	NA	3,217	NA	NA	796	296	244
8-0002-A	16-Sep-00	NA	197,653	895	NA	5,114	NA	NA	753	730	524
8-0204-A	16-Sep-00	NA	288,267	970	NA	3,624	NA	NA	279	253	208
9-0810-A	15-Sep-00	103/0.859	76,250	1,239	22.1	6,861	<0.100	<0.100	2,000	1,258	198
9-1315-A	15-Sep-00	91.3/0.651	96,332	1,104	16.8	22,620	<0.100	<0.100	1,325	900	108
9-1315-B	15-Sep-00	60.3/0.494	79,933	920	16.7	26,951	NA	<0.100	1,430	958	129
9-1820-A	15-Sep-00	NA	80,435	NA	NA	16,443	NA	NA	1,684	309	NA
9-2325-A	15-Sep-00	46.9/0.384	109,162	321	19.1	23,667	<0.100	<0.100	821	312	180
10-0305-A	14-Sep-00	42.8/0.31	65,506	552	25.1	2,027	2.31	<0.100	1258	462	655
10-0810-A	14-Sep-00	41.8/0.18	23,278	1087	33	3,073	<0.100	<0.100	1098	902	47.1
10-1315-A	14-Sep-00	104/0.75	84,721	248	34.3	3,742	2.09	5.34	1,188	730	100
10-2325	14-Sep-00	43.8/0.320	127,501	281	19	10,459	2.17	5.19	939	705	85.7
11-0305-A	14-Sep-00	85.1/0.818	196,821	636	18.2	2,597	3.47	2.37	619	563	188
11-1315-A	14-Sep-00	101/0.721	99,422	1,403	20.5	18,253	3.14	4.02	1,059	1,563	128
11-2325-A	14-Sep-00	23.2/0.091	18,300	3,006	21.7	19,675	1.85	2,639	818	1,541	134
12-0305-A	14-Sep-00	142/1.13	99,668	565	32.7	5,533	25.7	3.59	1,233	861	725
12-1315-A	14-Sep-00	22.2/0.093	50,227	1,497	13.9	22,484	1.13	31.7	731	1,380	94
12-2325-A	14-Sep-00	25.3/0.116	4,140	814	20.5	16,347	7.11	8.82	334	869	52.1
12-2729-A	14-Sep-00	46.9/0.202	87,632	587	16.6	13,465	0.743	6.16	438	659	100
13-0305-A	15-Sep-00	75.8/0.56	93,278	303	36.1	5,291	2.27	<0.100	1,479	611	504
13-0810-A	15-Sep-00	NA	98,570	NA	NA	3,351	NA	NA	1,583	2,392	NA
13-1315-A	15-Sep-00	49.00/0.188	70,058	12,410	27.1	41,815	0.922	<0.100	1,121	6,854	97.6
13-2325-A	15-Sep-00	39.7/0.289	205,841	2,785	17.2	9,670	<0.100	<0.100	517	1,283	176
14-0305-A	15-Sep-00	58.2/0.435	85,404	921	28	4,518	<0.100	<0.100	870	7,765	475
14-1315-A	15-Sep-00	52.1/0.224	78,522	9,342	21.5	13,688	<0.100	<0.100	1,822	6,802	74
14-2325-A	15-Sep-00	26.3/0.105	208,066	10,559	19.7	16,198	<0.100	<0.100	498	4,633	75.8
14-2325-B	15-Sep-00	24.2/0.085	157,313	11,009	27.8	20,970	1.4	<0.100	757	5,741	203
15-0305-A	15-Sep-00	53.1/0.308	114,312	726	25	7,028	<0.100	<0.100	1,342	707	755
15-1315-A	15-Sep-00	193/1.816	55,677	254	21.1	5,505	<0.100	<0.100	1,371	461	95.7
15-2325-A	15-Sep-00	19.8/0.0740	228,962	864	14.8	7,631	<0.100	<0.100	655	533	86.4
15-2325-B	15-Sep-00	41.8/0.284	184,486	1,173	16.7	7,702	4.02	<0.100	779	647	138
16-0305-A	16-Sep-00	50.0/0.310	124,941	1,347	8.7	3,867	<0.100	<0.100	1,138	1,111	211

NA = Not Analyzed

TABLE 9

General Chemistry in Soil
(mg/kg)

Sample ID	Sample Date	Bicarbonate/ Carbonate	Calcium	Chloride	Fluoride	Magnesium	Nitrate-N	Nitrite	Potassium	Sodium	Sulfate
16-1315-A	16-Sep-00	26.3/0.070	137,847	3,333	9.05	37,126	<0.100	<0.100	246	1,479	<1.00
16-2325-A	16-Sep-00	23.2/0.048	162,584	3,828	14.4	24,491	<0.100	<0.100	213	1,833	226
17-1315-A	16-Sep-00	78.9/0.630	121,378	4,759	16.1	16,913	<0.100	<0.100	3,270	491	64.7
17-2325-A	16-Sep-00	43.9/0.197	211,182	6,013	11.1	12,642	4.26	<0.100	633	2,744	52.9
18-0305-A	16-Sep-00	31.4/0.132	228,133	8,632	20.3	12,028	8.48	<0.100	1,800	4,738	371
18-1315-A	16-Sep-00	23.2/0.072	141,755	2,856	8.1	6,623	10.6	<0.100	360	816	398
19-0305-A	16-Sep-00	19.1/0.059	219,395	986	16	3,160	47.4	<0.100	839	899	529
19-0305-B	16-Sep-00	60.3/0.304	235,775	854	20.2	3,057	37.4	<0.100	541	934	460
19-1315-A	16-Sep-00	55.2/0.272	167,222	1,367	15.5	13,364	15.6	<0.100	1,162	775	337
19-2325-A	16-Sep-00	23.2/0.128	132,628	676	14.6	20,331	2.47	<0.100	734	323	732
20-0507-A	12-Sep-00	46.9/0.411	65,443	868	19.7	1,710	44.6	5.07	857	1,254	476
20-1517-A	12-Sep-00	30.4/0.171	127,043	3,122	15.2	6,420	15.3	445	699	1,288	224
21-0305-A	16-Sep-00	23.2/0.112	124,122	12,888	10.2	3,914	<0.100	<0.100	1,555	7,488	629
21-0305-B	16-Sep-00	43.8/0.285	92,525	12,090	12.1	4,333	<0.100	<0.100	2,259	8,145	631
21-1315-A	16-Sep-00	23.2/0.095	276,181	6,648	20.3	14,008	5.75	<0.100	1,208	5,142	316

TABLE 10**WQCC Metals TPH in Trenched Area - Soil
(mg/kg)**

Sample ID	Sample Date	Constituent	Results
T1	13-Sep-00	Arsenic	<5.00
T1	13-Sep-00	Barium	600
T1	13-Sep-00	Cadmium	<0.500
T1	13-Sep-00	Chromium	8.24
T1	13-Sep-00	Copper	3.31
T1	13-Sep-00	Iron	2,463
T1	13-Sep-00	Lead	11.3
T1	13-Sep-00	Manganese	131
T1	13-Sep-00	Mercury	<0.200
T1	13-Sep-00	Selenium	<5.00
T1	13-Sep-00	Silver	<5.00
T1	13-Sep-00	TPH (418.1)	1430
T1	13-Sep-00	Zinc	33.3

TABLE 11**New Mexico Water Quality Control Commission
Groundwater Standards**

Constituent	Standards mg/L
Benzene	0.01
Toluene	0.75
Ethylbenzene	0.75
Xylenes, total	0.62
Carbon tetrachloride	0.01
Vinyl chloride	0.001
1,1-Dichloroethane	0.025
1,1-Dichloroethylene	0.005
1,1,2,2-Tetrachloroethane	0.01
1,1,1-Trichloroethane	0.06
1,1,2-Trichloroethane	0.01
1,1,2,2-Tetrachloroethylene	0.02
1,1,2-Trichloroethylene	0.1
Mercury	0.002
Arsenic	0.1
Barium	1.0
Cadmium	0.01
Chromium	0.05
Copper	1.0
Iron	1.0
Lead	0.05
Manganese	0.2
Selenium	0.05
Silver	0.05
Zinc	10
Fluoride	1.6
Chloride	250
Sulfate	600
Nitrate-N	10

TABLE 12
WQCC Metals in Groundwater
(mg/L)

Sample ID	Sample Date	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Selenium	Silver	Zinc
MW-1	18-Sep-00	<0.050	<1.00	<0.005	<0.050	<0.050	<1.00	<0.015	<0.200	<0.002	<0.050	<0.050	<0.050
MW-2	18-Sep-00	<0.050	<1.00	<0.005	<0.050	<0.050	<1.00	<0.015	<0.200	<0.002	<0.050	<0.050	<0.050
MW-2B	18-Sep-00	<0.050	<1.00	<0.005	<0.050	<0.050	<1.00	<0.015	<0.200	<0.002	<0.050	<0.050	<0.050
MW-3	18-Sep-00	<0.050	<1.00	<0.005	<0.050	<0.050	<1.00	<0.015	<0.200	<0.002	<0.050	<0.050	<0.050
MW-4	18-Sep-00	<0.050	<1.00	<0.005	0.139	<0.050	<1.00	<0.015	<0.200	<0.002	<0.050	<0.050	<0.050
MW-5	18-Sep-00	<0.050	<1.00	<0.005	<0.050	<0.050	<1.00	0.04	<0.200	<0.002	<0.050	<0.050	<0.050

TABLE 13
VOCs in Groundwater
(mg/L)

Sample ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane
MW-1	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2B	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-3	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-4	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-5	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005

Sample ID	Sample Date	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene
MW-1	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2B	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-3	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-4	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-5	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005

Sample ID	Sample Date	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene
MW-1	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2B	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-3	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-4	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-5	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005

Sample ID	Sample Date	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Tetrachloride
MW-1	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2B	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-3	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-4	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-5	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE 13
VOCs in Groundwater
(mg/L)

Sample ID	Sample Date	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromomethane	Dichlorodifluoromethane	Ethylbenzene
MW-1	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2B	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-3	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-4	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-5	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005

Sample ID	Sample Date	n-Propylbenzene	Naphthalene	p-Isopropyltoluene	sec-Butylbenzene	Styrene
MW-1	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2B	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-3	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-4	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005
MW-5	18-Sep-00	<0.005	<0.005	<0.005	<0.005	<0.005

Sample ID	Sample Date	Trichloroethene	Vinyl Chloride	Xylenes, total
MW-1	18-Sep-00	<0.005	<0.005	<0.005
MW-2	18-Sep-00	<0.005	<0.005	<0.005
MW-2B	18-Sep-00	<0.005	<0.005	<0.005
MW-3	18-Sep-00	<0.005	<0.005	<0.005
MW-4	18-Sep-00	<0.005	<0.005	<0.005
MW-5	18-Sep-00	<0.005	<0.005	<0.005

TABLE 14**General Chemistry in Groundwater
(mg/L)**

Sample ID	Sample Date	Anion/Cation Balance	Bicarbonate/ Carbonate	Calcium	Chloride	Fluoride	Magnesium
MW-1	18-Sep-00	82	190/0.317	243	219	2.93	27.5
MW-2	18-Sep-00	87	116/0.907	112	251	2.6	15.7
MW-2B	18-Sep-00	90	45/0.254	113	232	2.7	16.6
MW-3	18-Sep-00	89	145/0.878	197	192	1.59	20.2
MW-4	18-Sep-00	86	95/0.429	135	239	2.29	18.9
MW-5	18-Sep-00	80	171/1.245	201	370	2.28	38.9

Sample ID	Sample Date	Nitrate-N	Nitrite	Potassium	Sodium	Sulfate	Total Dissolved Solids
MW-1	18-Sep-00	19.2	447	6.72	163	219	1250
MW-2	18-Sep-00	14.7	333	5.5	243	223	1190
MW-2B	18-Sep-00	14.9	369	4.94	254	221	1140
MW-3	18-Sep-00	12.7	286	3.9	157	202	1490
MW-4	18-Sep-00	12.2	261	4.58	182	206	1020
MW-5	18-Sep-00	14	611	7.72	279	222	1550

APPENDIX B
HYDRO GEOLOGY REPORT

Hydrogeologic conditions
beneath the Champion Technologies property
near Hobbs, New Mexico

Prepared for Enercon Systems, Inc.
by
Lee Wilson and Associates

November 17, 2000

The Champion Technologies property is south of Hobbs, New Mexico in an area underlain by the Tertiary-age Ogallala Formation. According to Ash (1963), the Ogallala Formation unconformably overlies rocks of the Triassic Dockum Group. As described by Ash, the Ogallala Formation consists primarily of fine to very fine sand with smaller quantities of clay, coarse sand, and gravel. The upper part of the formation contains prominent caliche beds. The lower third of the formation is generally coarser than the upper two thirds and contains some beds and lenses of gravel. Areally extensive gravels at the base of the Ogallala Formation fill valleys eroded into the top of the underlying Dockum Group. The Dockum Group rocks consist mostly of dark red shales.

The Ogallala Formation is the principle water-bearing unit in the Hobbs area. Using data measured in 1960, Ash reported that the water table in the area of the Champion property was at an elevation of about 3,550 feet. The local ground surface elevation is near 3,600 feet, so the water table is expected at a depth of approximately 50 feet. Ash mapped the base of the Ogallala Formation at about 3,470 feet, so the Ogallala Formation would be about 130 feet thick, with ground water saturating the lower 80 feet of the formation.

Ground water in the Ogallala Formation originates primarily from recharge by precipitation. According to McAda (1984) the area around the Champion property receives approximately 0.35 inches per year of recharge. The recharge estimate does not include recharge from septic tanks and other sources that may be locally significant.

Ground water in the Hobbes area flows generally southeast or east-southeast, with deviations caused by local conditions - particularly by pumping wells. The water table as mapped by Ash sloped to the east-southeast at 12.5 feet/mile. McAda estimated the hydraulic conductivity and specific yield of the Ogallala Formation near the Champion site at 76 to 100 feet per day and 23%, respectively. The slope of the water table along with McAda's estimates of aquifer characteristics can be used to calculate the general rate and direction of ground water

movement near the property. Using McAda's hydraulic conductivity range and treating the specific yield as a reasonable estimate of effective porosity, ground water under the Champion property is moving to the east-southeast at 286 to 376 feet per year. Higher rates would be encountered near pumping wells or in highly conductive zones.

Conditions encountered on the Champion property are largely consistent with the conditions described in regional reports. The on-site facilities are supplied with water from a well near the southeast corner of the property. The well penetrates most or all of the Ogallala Formation and produces from a coarse-grained section near the base of the formation. According to the driller's log, the well was drilled in 1993 to a total depth of 138 feet. The driller reported caliche, sandy clay, sand and sandstone to a depth of 124 feet, and sand and gravel from 124 feet to 138 feet. The well is perforated over the interval from 113 feet to 133 feet. The static water level in the well was at a depth of 44 feet.

Figure 1 (modified from an original provided by Enercon Services, Inc.) shows the location of major features on the Champion property, including the current water supply well, an abandoned water well and 5 monitoring wells constructed on the property from September 11 to 13, 2000.

The monitoring wells were all drilled to a depth of 63 feet and constructed with 10 feet of screen placed to sample the first water encountered. The table below (based on data provided by Enercon Services) shows the water levels measured in the five wells on September 18, 2000. The depth to water ranged from 48.91 feet to 56.95 feet. The regional water table was expected at a depth of approximately 50 feet, so the water encountered in the monitoring wells is almost certainly part of the regional water table rather than a part of a perched local water table. The water level elevation at MW-1 at the northwest corner of the property is higher than water levels at the remaining wells, which is consistent with southeasterly movement of ground water. The water levels in the remaining monitoring wells do not reflect a consistent southeasterly flow,

probably because of local effects due to septic tank return flows, pumping of the water supply well, or pumping wells on adjacent properties.

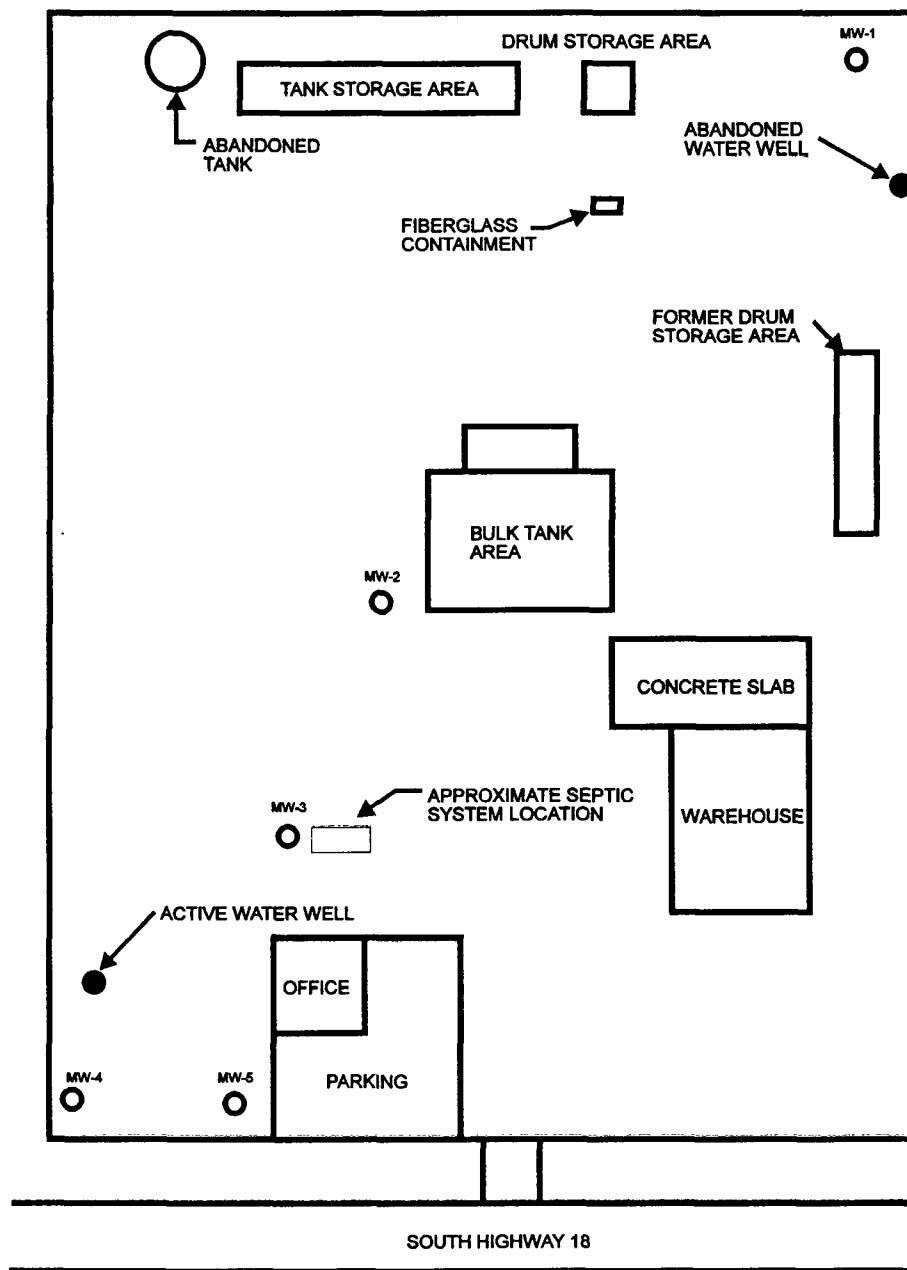
Well ID	Depth to Water (feet)	Top of Casing (feet above msl)	Ground water elevation (feet above msl)
MW-1	48.91	3,597.83	3,548.92
MW-2	56.6	3,602.72	3,546.12
MW-3	56.95	3,602.8	3,545.85
MW-4	55.29	3,602.69	3,547.4
MW-5	55.11	3,602.62	3,547.51

Figure 2 is a cross section through the Champion property illustrating the geologic section encountered during construction of the monitoring wells. All of the wells are completed in tan, fine to very fine sands. The section contains discontinuous lenses of silty sediments and caliche, but these features are unlikely to prevent the vertical movement of water from the surface. The figure also shows the active water supply well. The bottom of the monitoring wells are approximately 50 feet above the top of the producing interval in the supply well.

REFERENCES SITED

Ash, Sidney R. 1963. Ground-water conditions in northern Lea County, New Mexico. US Geological Survey Hydrologic Investigation Atlas HA-62. U.S. Geological Survey, Washington D.C. Two plates.

McAda, Douglas P. 1984. Projected water-level declines in the Ogallala aquifer in Lea County, New Mexico. U.S. Geological Survey Water-Resources Investigations Report 84-4062. U.S. Geological Survey, Albuquerque, NM, 84 pp.



○ MONITORING WELL LOCATIONS

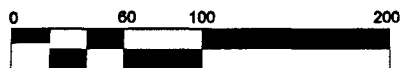
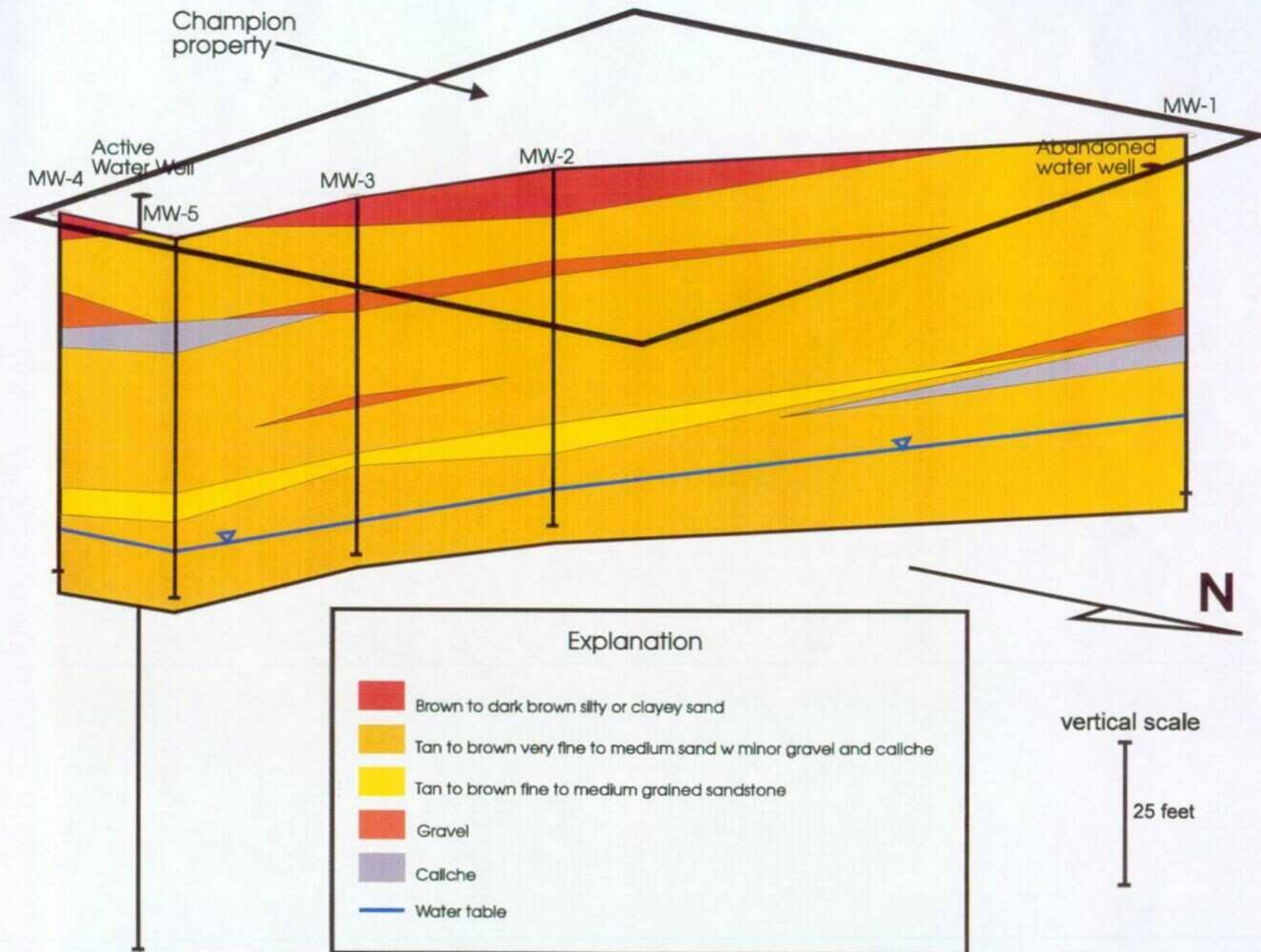


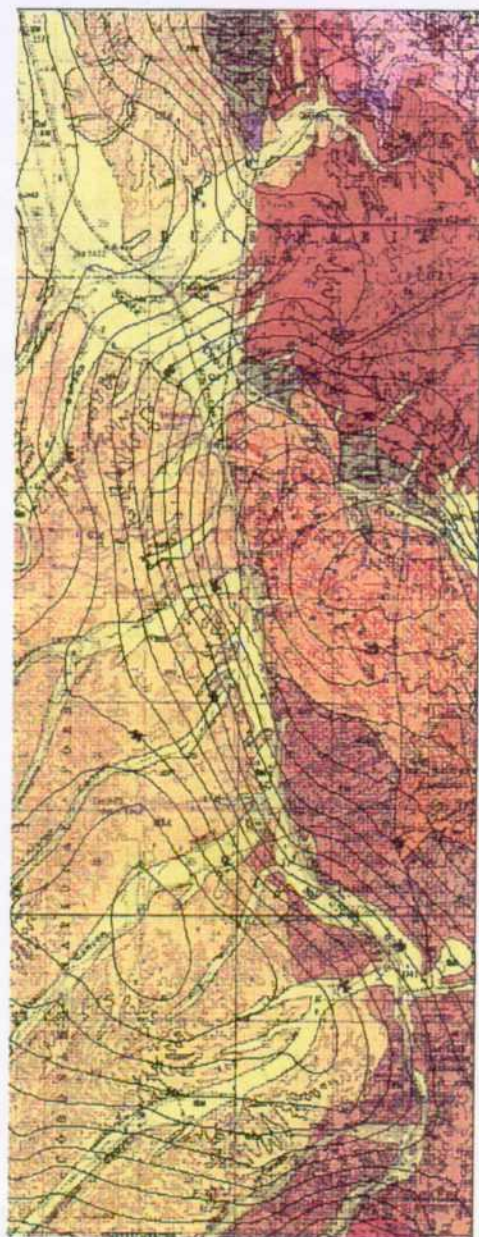
Figure 1. Location of major features on the Champion Technologies property near Hobbs, New Mexico.

Figure 2. Cross section through the Champion Technologies property near Hobbs, New Mexico



APPENDIX C
GEOPHYSICAL SURVEY

hydroGEOPHYSICS, Inc.



**Geophysical
Consulting
and
Services**

REPORT ON GEOPHYSICAL SURVEY RESULTS

**PERFORMED AT:
CHAMPION TECHNOLOGIES
FACILITY
HOBBS, NEW MEXICO**

**AUGUST 2000
PROJECT MANAGER: MR. MICHAEL AMABISCO**

By:
hydroGEOPHYSICS, Inc.

**5865 S. Old Spanish Trail
Tucson, Arizona 85747
(520) 647-3315**

For:
Enercon Services, Inc.
**8866 Gulf Freeway, Suite 380
Houston, TX 77017
(713) 941-0402**

hydroGEOPHYSICS, Inc.

August 18, 2000

Mr. Michael Amabisco
Enercon Services, Inc.
8866 Gulf Freeway
Suite 380
Houston, TX 77017
(713) 941-0401

RE: Geophysical Survey Results – Champion Technologies Site

Dear Mr. Amabisco,

This brief letter report is intended to describe the methods and results of the geophysical surveying completed at the Champion Technologies Facility along highway 68, in Hobbs New Mexico (herein referred to as the Site).

Summary

A summary of the geophysical survey and results are as follows:

1. One grid of reconnaissance electromagnetics (EM) and magnetics (mag) data was surveyed during the period of August 3rd and 4th.
2. Utility tracing was performed with the Subsite 75R/T, and all confirmed buried utilities were painted and whiskered.
3. Six possible areas of subsurface artificial disturbances have been identified.
4. Additional reconnaissance EM and mag responses can be directly attributed to either above ground objects or known/suspected buried utility lines.

Work Completed

A magnetic and electromagnetic geophysical survey was completed to help identify or delineate possible buried debris (solid waste, metallic drums, etc.). The survey was completed under subcontract agreement for Enercon Services, Inc. Mr. Michael Amabisco, Project Manager for Enercon, provided overall project coordination and field supervision. The survey was performed during the period August 3rd to August 4th by hydroGEOPHYSICS, Inc., a geophysical consulting and service company based in Tucson. On-site personnel for hydroGEOPHYSICS, Inc. was Mr. Bart Stewart, Chief Surveyor. Dr. James B. Fink, P.E. (geophysical) provided supervision of data acquisition and subsequent data reduction. One grid totaling approximately 6.7 acres was surveyed at 10-foot line intervals, which produced approximately 11 miles of lineal coverage for the two methods. This report briefly describes the field data acquisition, data processing, and the resulting interpretation.

Objective of Survey

Geophysical work was completed in an effort to identify large-scale buried objects, such as metallic drums and solid waste, and to define the limits of any possible ground disturbances.

Data Collection

The electromagnetic geophysical survey was completed using a Geophex, Inc. Gem-2 digital electromagnetic terrain conductivity instrument. The Gem-2 is a two-coil, fixed separation, multi-frequency, electromagnetic induction measuring instrument. The instrument detects and measures the amplitudes of the in-phase and quadrature (conductivity) components of the magnetic (H) field induced in the receiver coil by the remote transmitting coil. The separation between the two coils is 5.5 feet. The resultant data obtained from the Gem-2 are in units of log siemens per meter (1000 mS/m = 1 ohm-meter) for conductivity and parts per million (ppm) for in-phase data. The range of effective depth of investigation is from the surface to roughly 30 feet, but is *strongly* dependent upon terrain conductivity, boom orientation, target burial depth, type of target material, and surficial interference.

Usually, the in-phase component of the electromagnetic field best detects metallic objects, while the conductivity portion of the induced field corresponds to overall soil characteristics.

Conductivity and in-phase data were stored within the Gem-2 console unit for later uploading into a computer. Data were collected along survey lines with the instrument held in the collinear mode (transmitting and receiving coils in line with the survey line). Data were collected in the automatic mode.

The GEM-2 instrument was warmed up to operating temperature prior to data collection. No daily calibration or nulling of the instrument is required.

The GEM-2 instrument measures a relatively large volume of earth (and air) in comparison to other shallow, culture-detecting geophysical methods. Consequently, in areas of highly concentrated culture, the observed data represents the vector sum of all the responses of each cultural feature within the volume of investigation, which in most cases is complex. Boom and loop orientations *relative to culture* can further complicate the results. The interpreted results thus always represent a degree of uncertainty.

A Geometrics, Inc. model G-858 continuous recording magnetometer was used for the magnetic portion of the survey. This type of magnetometer has optically-pumped cesium-vapor sensors which measure the intensity of the earth's magnetic field. Its high sensitivity and rapid sampling rate make it especially useful in detecting shallowly buried magnetic objects. The time-based sampling interval used for the survey was 0.1 seconds. This time-sampling interval averages 0.5 feet per sample (approximately two samples per foot along survey line). Magnetic data units used are nanoteslas ($1 \text{ nT} = 1 \text{ gamma} = 10^{-5} \text{ Gauss}$). A one hundred foot strip along the western fence line was determined (in the field) to have a significant amount of surficial metallic debris that would prevent reliable results. Therefore, no magnetics data were collected in this area.

A Subsite 75R/T was used at varying frequencies to help identify possible buried utility lines. Many of the utilities were buried together in single stacked trenches. The combination of utilities and the abundance of overhead power line disturbances made confirmation of discrete utilities difficult. All identified utilities were painted and whiskered on site and are shown directly on the color-contour Figures 0, 1 and 2.

The geophysical grid was measured using a fiberglass measuring tape and referenced to the surrounding fence lines. All easting and northing distances are given in feet. The grid origin (0,0) is referenced to the first fence post along the southern fence line, east of the southwest corner of the facility. Whiskers were placed at 100-foot line intersections and orange flagging was placed at 100-foot intervals along the south and north fence lines. Geophysical line spacing for reconnaissance surveying was ten feet.

Data Processing

Both the magnetic and electromagnetic data were downloaded to a laptop after the day's work. Preliminary plots for each method were created and responses reviewed on-site to provide data quality assurance.

After downloading to a computer, the EM data were reduced using Geophex, Inc. WinGEM software and the magnetics data were reduced using Geometrics MagMap2000 software. The data were then

plotted and contoured using Golden Software's Surfer V.7 and presented in plan view. Warmer colors and hues (reds, oranges) represent relatively higher values and cooler colors (blues, purples) represent relatively lower or negative values. The absolute values mean little for interpretive purposes, however the relative changes from "background" values to high and low responses are significant.

Results

Figure 0 – Summary plot

Figure 0 is a combination location map and a summary of geophysical anomalies. Six areas of magnetic and electromagnetic responses that are not attributed to surface objects have been circled and labeled as "unknown responses". Interpreted electromagnetic and magnetic plots are attached to this report as Figures 1 and 2. Nearby buildings and surface objects such as tanks and concrete slabs are also plotted. Scale, north arrow, site label, and interpretation legend are given for each figure. Interpretation of each method is plotted directly onto each contoured grid and a summary of all geophysical anomalies. Detected utility lines are plotted on the combination location and feature map (Fig. 0).

Figure 1 – Electromagnetics

Figure 1 shows the color-contoured results of both electromagnetic in-phase and conductivity data. Surface features (buildings, tanks, rubble piles, etc.) that may contribute to anomalous results are shown directly on the plots. The areas circled and labeled "unknown response" are areas that may need further investigation. Fence line and other disturbances are evident throughout the area. Responses attributed to the buildings are evident near these structures. Both conductivity and in-phase (only visible in profile form) components show a pipeline response running from the "Tank/drum storage Area" towards the northern fence line (noted as a blue dashed line). On-site communications suggested that the pipeline may be a water line. There was no visible surface exposure of the pipeline and thus no utility tracing could be made. There is a long linear conductive response that runs along the northern fence line between the well shed and the warehouse. The response can be differentiated from the fence line disturbance by both magnitude and distance from the fence. The shape of the response suggests that it is probably caused by a buried pipeline, but this again could not be confirmed with the Subsite, as the utility could not be located on the surface. Five electromagnetic responses that could not be attributed to above ground objects or buried utilities have been circled in pink as "unknown responses".

Response 1: There is a large conductive anomaly to the south of the bulk tank area, which is easily differentiated from the neighboring concrete pad disturbance. Although there is a slight in-phase

response (which is usually associated with metallic objects), the lack of a significant magnetic response coupled with the magnitude of the conductive responses suggests a leak-type response associated with an increase in soil moisture. However, the presence of non-ferrous metal cannot be ruled out due to the small in-phase response.

Response 2: A similar conductive feature can be seen extending south from the northern fence line along line 300. Interestingly, one can see the differentiation of the pipeline and unknown conductive response features as the pipeline crosses the “unknown response”. Again there is an associated in-phase response, but no magnetic response. This seems to suggest an increase in soil moisture content but there could be associated non-ferrous debris.

Response 3: One or possibly two smaller responses can be seen towards the southwest quadrant around 150 east and 150 north. This anomaly is most visible in the in-phase section but can be separated in the conductivity data from the two large conductive highs to the right and left. Both total-field and vertical-gradient magnetics show large dipolar responses in the same area. The agreement of both methods suggests buried ferrous metallic object(s).

Response 4a and 4b: Two large conductive responses flank both sides of the metallic response 3. The two responses, which are interpreted as a marked increase in soil moisture, may be a singular feature that is disrupted by the metallic response in the center. It is not clear if the metallic and conductive responses are associated with one another, but their proximity seems suspect.

Response 5: A dispersed conductive feature shows between the warehouse concrete slab and the north side of the office. Although there is no associated magnetic response, there is a very low magnitude linear in-phase response. The conductive anomaly is of lower magnitude than responses 1, 2 and 4. However, the proximity to the concrete slab and the increase in soil moisture should be investigated. The linearity of the in-phase response is similar to that of a pipeline response, and care should be taken should any borings be made.

Responses 1 through 5 should be investigated further using intrusive methods.

Figure 2 – Magnetics

Figure 2 shows the color-contoured results of both total field and vertical gradient magnetic data. The magnetics data are presented in the same fashion as the electromagnetics data (Fig. 1).

Response 3: One or possibly two smaller responses can be seen towards the southwest quadrant around 150 east and 150 north. Both total-field and vertical-gradient magnetics show large dipolar responses in the same area. The agreement of both methods and the lack of any surface disturbances suggest buried metallic object(s).

Response 6: There is a low magnitude, linear, metallic (ferrous) response just north of the active well. Although there is no associated electromagnetic response, the linearity of the feature suggests a buried artificial metallic object.

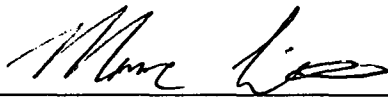
Responses 3 and 6 should be investigated further using intrusive methods.

Recommendations

Although more detailed geophysical investigations could be performed to better characterize the detected responses, no further reconnaissance geophysics appears to be warranted. All responses not attributed to above surface responses may need to be investigated using intrusive means. If additional areas of investigation are required, then the methods should be used to cover those areas.

We thank Enercon Services Inc. and Champion Technologies for the opportunity to participate in this investigation. Please don't hesitate to call if you have any questions or comments on this report or results. We hope these results are useful and provide further insight into the overall investigation.

Respectfully Submitted,



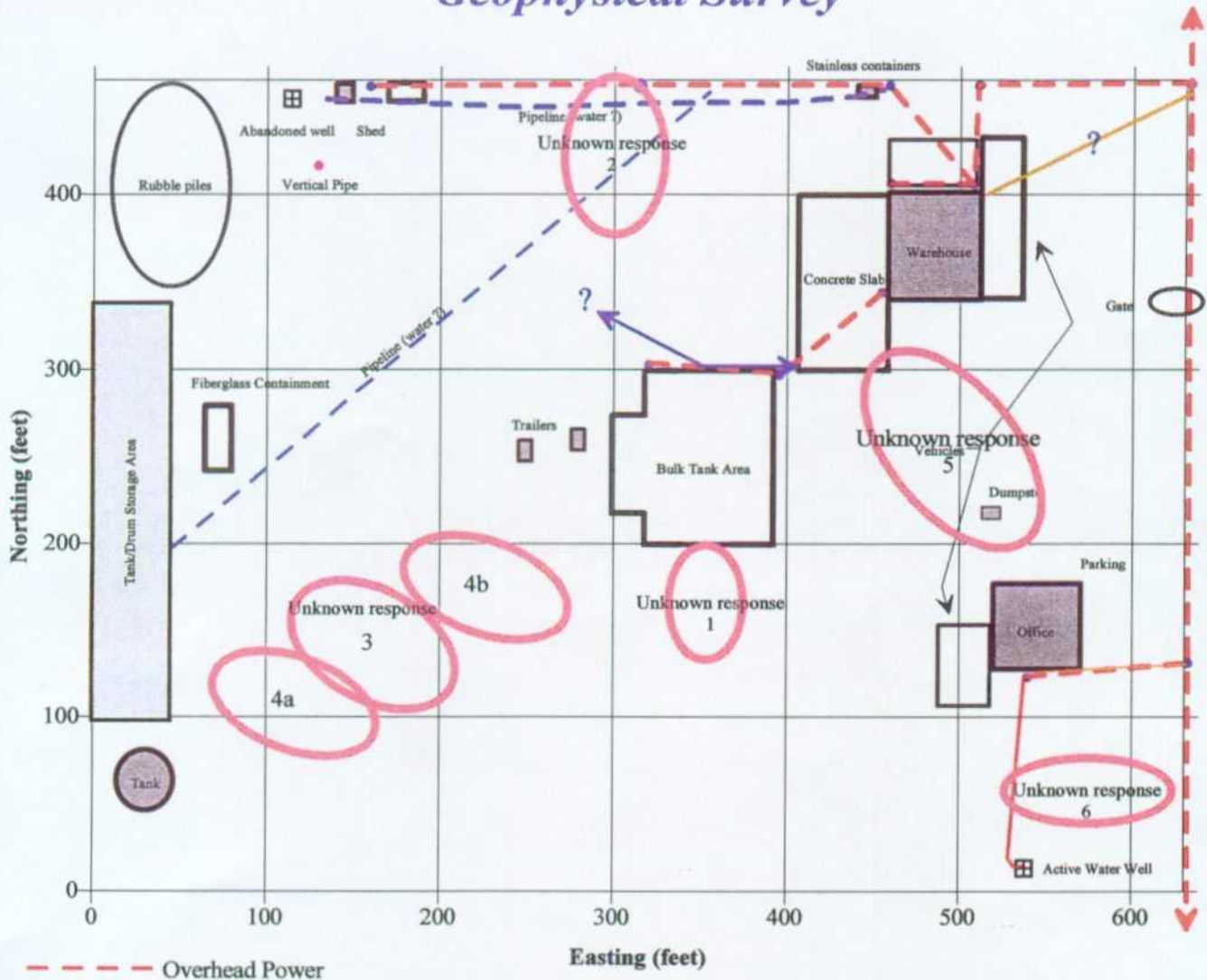
Marc T. Levitt
Geological Engineer

Copy/ files

Enclosures / Invoice, Figs. 0,1, 2

D:\2000-039-MTL-Enercon-Hobbs-MAG-GEM\2000-039_ENERCON_Hobbs_Mag_Gem-REPORT.doc

Location Map showing summary of Geophysical Survey



Scale: 1" = 100'

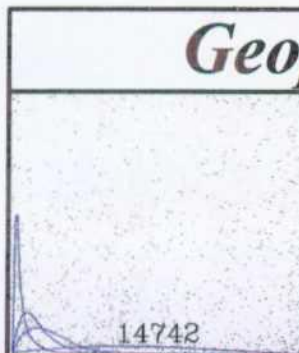
Geophysical Survey

Enercon Services, Inc
Champion Technologies
Hobbs, NM

Date: Aug 2000 Fig. 0

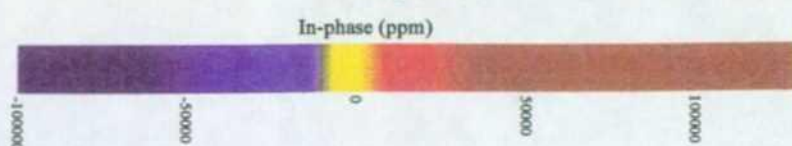


ENERCON SERVICES, INC.
An Employee Owned Company



Electromagnetics

In-Phase



- Overhead Power
- Power Poles
- Buried Power
- Communication
- Water
- Unknown response

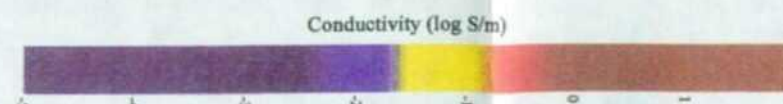
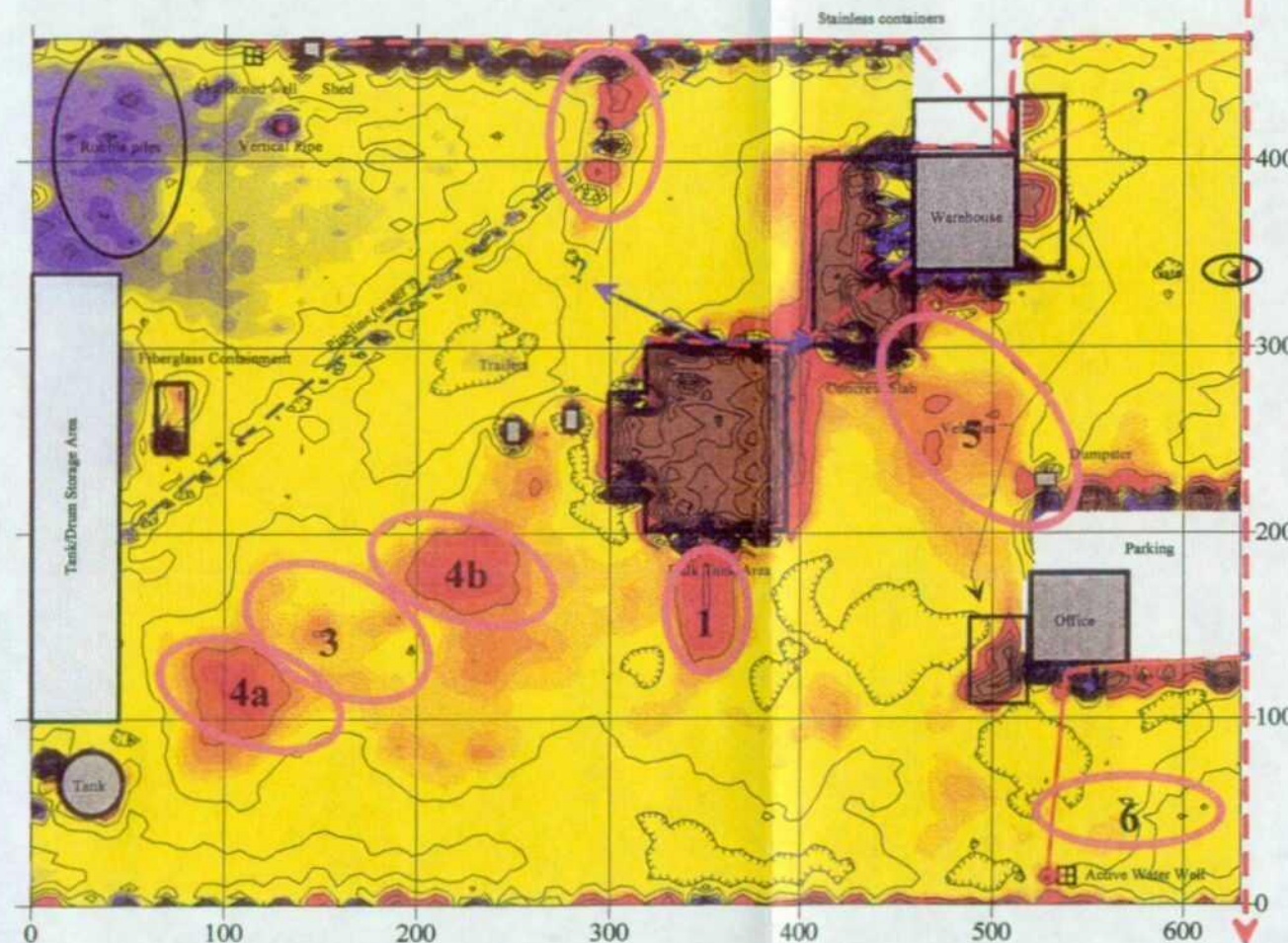


Scale: 1" = 100'

Equipment

Unit: Geopex GEM-2
Type: Terrain Conductivity Meter
Serial No: 299004
Mode: Vertical dipole
Orientation: In-line
Line interval: 10 feet

Conductivity



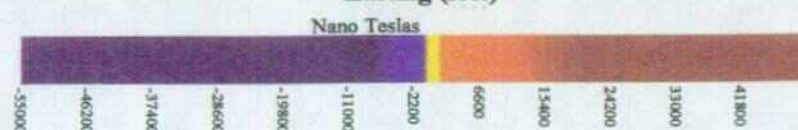
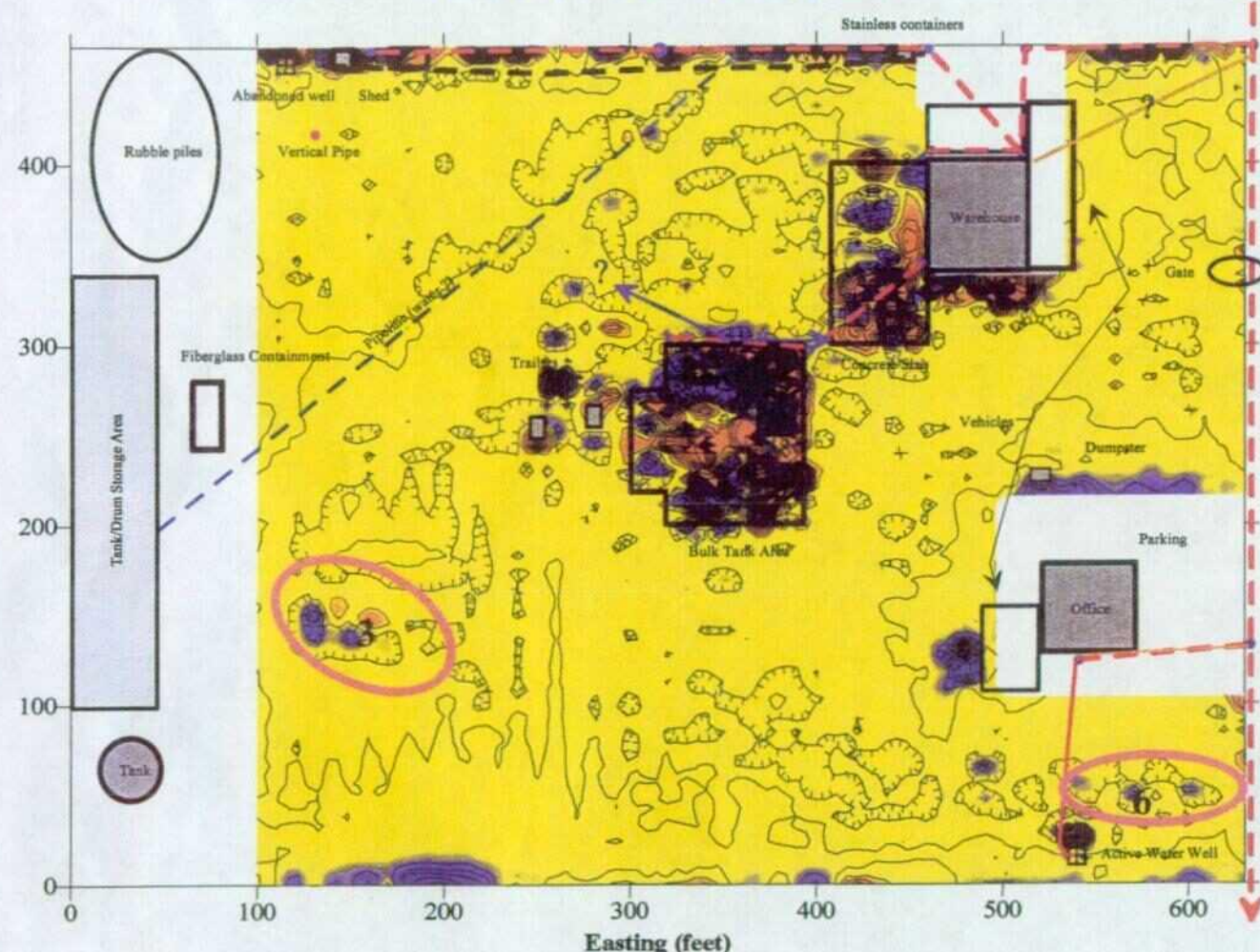
Geophysical Survey

Enercon Services, Inc
Champion Technologies
Hobbs, NM

Date: Aug 2000 Fig. 1

Magnetics

Vertical Gradient



- Overhead Power
- Power Poles
- Buried Power
- Communication
- Water
- Unknown response

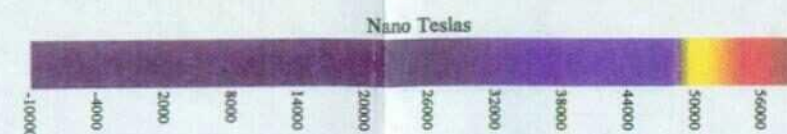
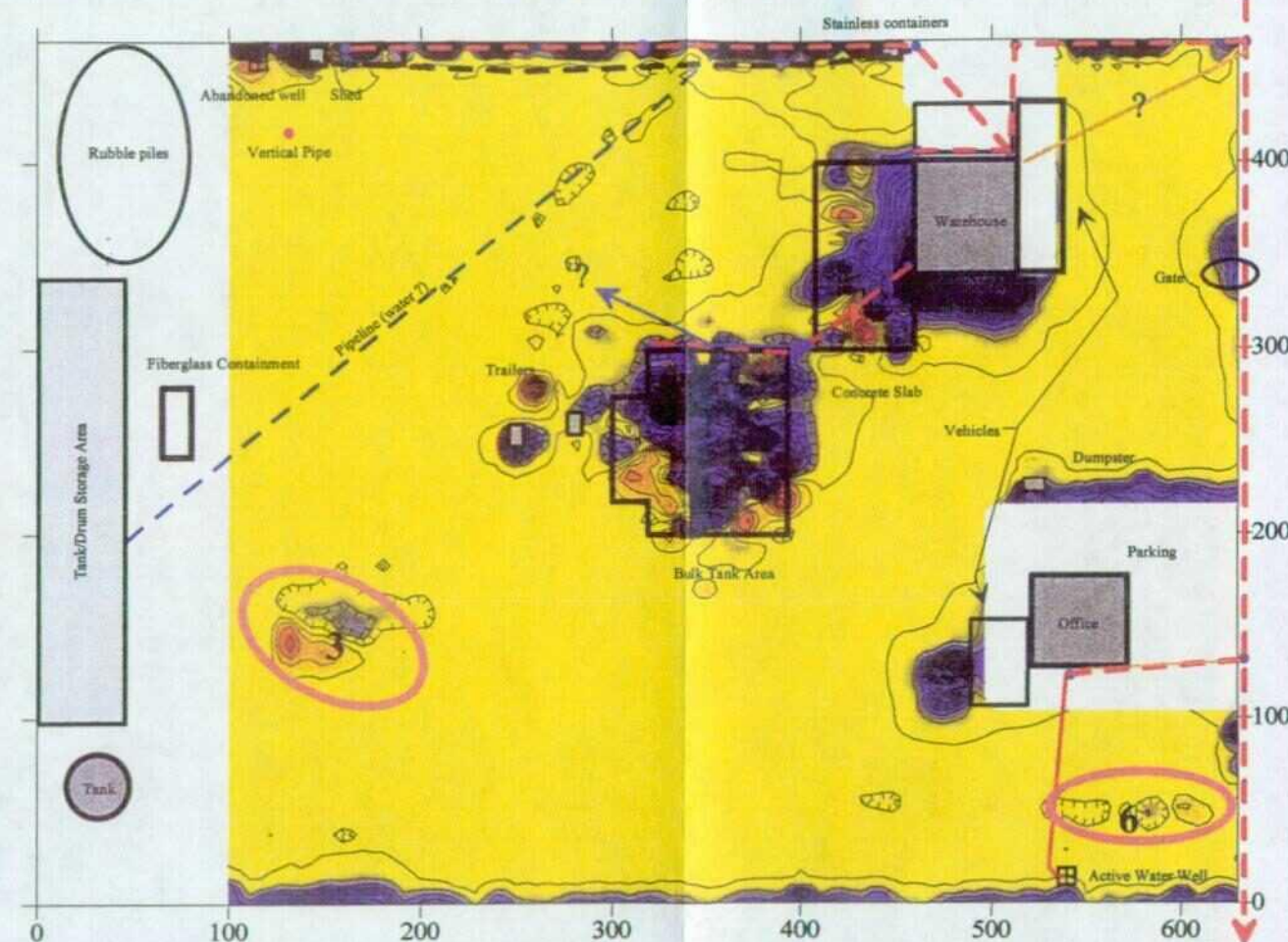


Scale: 1" = 100'

Equipment

Unit: Geometrics G-858
 Type: Cesium Vapor Magnetometer
 Serial No: 29008
 Mode: Vertical gradient
 Sensor separation: 1 meter
 Line interval: 10 feet

Total Field



Geophysical Survey

Enercon Services, Inc
Champion Technologies
Hobbs, NM

Date: Aug 2000 Fig. 2

APPENDIX D

SOIL BORING AND MONITORING WELL LOGS



ENERCON SERVICES, INC.
8866 GULF FREEWAY, SUITE 380
HOUSTON, TEXAS 77017

RECORD OF SUBSURFACE EXPLORATION

Project #: ES-705		Well/Boring #: SB-4		Date Drilled: 9/16/00	
Champion Technologies		Drilling Eades Drilling & Pump Svc.		Drilling AR	
Project: Hobbs, NM		Company:		Method:	
		Driller: Fred Root		Logged By: M. Amabisco	
DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Sand, silt, black stained fill material	4-0002-A	SS	4.3	
1.0	Same				
2.0	Sandy fill material with stained soil in top 6"	4-0204-A	SS	6	
3.0	Same				
4.0	Boring terminated at 4 feet.				
5.0					
6.0					
7.0					
8.0					

ABBREVIATIONS AND SYMBOLS

SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
RC - Rock Core
AR - Air Rotary
C1-5' - Continuous Sampler

HSA - Hollow Stem Auger
CFA - Continuous Flight Augers
DC - Driving Casing
MD - Mud Drilling



ENERCON SERVICES, INC.
8866 GULF FREEWAY, SUITE 380
HOUSTON, TEXAS 77017

RECORD OF SUBSURFACE EXPLORATION

Project #: ES-705	Well/Boring #: SB-5	Date Drilled: 9/16/00
Champion Technologies	Drilling Eades Drilling & Pump Svc.	Drilling AR
Project: Hobbs, NM	Company:	Method:
	Driller: Fred Root	Logged By: M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Sandy fill with asphalt material	5-0002-A	SS	1.1	
1.0	Same				
2.0	Sand (SP), tan, very fine to medium grained, minor fines	5-0204-A	SS	0.5	
3.0	Same				
4.0	Boring terminated at 4 feet.				
5.0					
6.0					
7.0					
8.0					

ABBREVIATIONS AND SYMBOLS

SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
RC - Rock Core
AR - Air Rotary
C I-S' - Continuous Sampler

HSA - Hollow Stem Auger
CFA - Continuous Flight Augers
DC - Driving Casing
MD - Mud Drilling



ENERCON SERVICES, INC.
8866 GULF FREEWAY, SUITE 380
HOUSTON, TEXAS 77017

RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	SB-6	Date Drilled:	9/16/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Sandy fill with oil/tar asphalt material	6-0002-A	SS	1.1	
1.0	Same				
2.0	Silty sand (SM), tan, with fines	6-0204-A	SS	0.5	
		6-0204-B	SS		
3.0	Same				
4.0	Boring terminated at 4 feet.				
5.0					
6.0					
7.0					
8.0					

ABBREVIATIONS AND SYMBOLS

SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
RC - Rock Core
AR - Air Rotary
C1-S' - Continuous Sampler

HSA - Hollow Stem Auger
CFA - Continuous Flight Augers
DC - Driving Casing
MD - Mud Drilling



ENERCON SERVICES, INC.
8866 GULF FREEWAY, SUITE 380
HOUSTON, TEXAS 77017

RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	SB-7	Date Drilled:	9/16/00
Project:	Champion Technologies	Drilling Company:	Eades Drilling & Pump Svc.	Drilling Method:	AR
	Hobbs, NM	Driller:	Fred Root	Logged By:	M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Sand (SP), tan, fine grained with fines, fill material	7-0002-A	SS	0	
1.0	Same				
2.0	Sand (SP), tan, with caliche, very fine to medium grained, minor fines	7-0204-A	SS	0.5	
3.0	Same				
4.0	Boring terminated at 4 feet.				
5.0					
6.0					
7.0					
8.0					

ABBREVIATIONS AND SYMBOLS

SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
RC - Rock Core
AR - Air Rotary
C1-S' - Continuous Sampler

HSA - Hollow Stem Auger
CFA - Continuous Flight Augers
DC - Driving Casing
MD - Mud Drilling



ENERCON SERVICES, INC.
8866 GULF FREEWAY, SUITE 380
HOUSTON, TEXAS 77017

RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	SB-8	Date Drilled:	9/16/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Sandy fill with asphalt material	8-0002-A	SS	0	
1.0	Same				
2.0	Sand (SP), tan, very fine to medium grained, minor fines	8-0204-A	SS	1.1	
3.0	Same				
4.0	Boring terminated at 4 feet.				
5.0					
6.0					
7.0					
8.0					

ABBREVIATIONS AND SYMBOLS

SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
RC - Rock Core
AR - Air Rotary
C I - 5' - Continuous Sampler

HSA - Hollow Stem Auger
CFA - Continuous Flight Augers
DC - Driving Casing
MD - Mud Drilling



ENERCON SERVICES, INC.
8866 GULF FREEWAY, SUITE 380
HOUSTON, TEXAS 77017

RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	SB-9	Date Drilled:	9/15/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Fill material - sand, clay, silt, minor organic material.		SS		0% recovery
2.5					
5.0	Black stained fill material, strong odor				50% recovery
7.5		9-0810-A	SS	451	
10.0					
12.5					
15.0	Sand/caliche - white/tan sand, very fine to medium-grained, minor silts, weakly cemented.	9-1315-A	SS	360	100% recovery
		9-1315-B	SS	360	
17.5			SS		
20.0		9-1820-A	SS	450	

ABBREVIATIONS AND SYMBOLS

SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
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CT-5' - Continuous Sampler

HSA - Hollow Stem Auger
CFA - Continuous Flight Augers
DC - Driving Casing
MD - Mud Drilling



ENERCON SERVICES, INC.
8866 GULF FREEWAY, SUITE 380
HOUSTON, TEXAS 77017

RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	SB-9	Date Drilled:	9/15/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
20.0					
22.5					
25.0	Sand/caliche - white/tan sand, very fine to medium-grained, minor silts, weakly cemented. Boring terminated at 25' bgs.	9-2325-A	SS	392	80% recovery
27.5					
30.0					
32.5					
35.0					
37.5					
40.0					

ABBREVIATIONS AND SYMBOLS

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RECORD OF SUBSURFACE EXPLORATION

Project #: ES-705		Well/Boring #: SB-10		Date Drilled: 9/14/00	
Project: Champion Technologies		Drilling: Eades Drilling & Pump Svc.		Drilling: AR	
Hobbs, NM		Company:		Method:	
		Driller: Fred Root		Logged By: M. Amabisco	
DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Fill material - silty clay, brown-black, silty, clay. Black stain, minor sand, strong odor.				
2.5					
5.0					
7.5	Black stained material, strong odor. 2" of product at 9'.	10-0305-A	SS	11	25% recovery
10.0					
12.5					
15.0	Sand (SP) - weakly cemented, very fine to medium grained, brown-tan, caliche, black stain, strong odor.	10-0810-A	SS	336	100% recovery
17.5					
20.0					

ABBREVIATIONS AND SYMBOLS

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RECORD OF SUBSURFACE EXPLORATION

Project #: ES-705	Well/Boring #: SB-10	Date Drilled: 9/14/00
Champion Technologies	Drilling Eades Drilling & Pump Svc.	Drilling AR
Project: Hobbs, NM	Company:	Method:
	Driller: Fred Root	Logged By: M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
20.0					
22.5					
		10-2325-A	SS	240	75% recovery
25.0	Boring terminated at 25' bgs.				
27.5					
30.0					
32.5					
35.0					
37.5					
40.0					

ABBREVIATIONS AND SYMBOLS

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RECORD OF SUBSURFACE EXPLORATION

Project #: ES-705	Well/Boring #: SB-11	Date Drilled: 9/14/00
Project: Champion Technologies	Drilling: Eades Drilling & Pump Svc.	Drilling: AR
Hobbs, NM	Company:	Method:
	Driller: Fred Root	Logged By: M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Fill material - sandy silt, tan-brown, very fine to fine sand, minor caliche, strong odor.				
2.5					
5.0		11-0305-A	SS	158	100% recovery
7.5					
10.0	Rocks and gravel, strong odor.				
12.5		11-0810-A	SS	42	25% recovery
15.0					
17.5		11-1315-A	SS	101	75% recovery
20.0	Caliche				
					0% recovery

ABBREVIATIONS AND SYMBOLS

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RECORD OF SUBSURFACE EXPLORATION

Project #: ES-705	Well/Boring #: SB-11	Date Drilled: 9/14/00
Project: Champion Technologies Hobbs, NM	Drilling Eades Drilling & Pump Svc. Company:	Drilling AR Method:
	Driller: Fred Root	Logged By: M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
20.0					
22.5	Sand, caliche	11-2325-A	SS	12	80% recovery
25.0	Boring terminated at 25' bgs.				
27.5					
30.0					
32.5					
35.0					
37.5					
40.0					

ABBREVIATIONS AND SYMBOLS

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ENERCON SERVICES, INC.
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RECORD OF SUBSURFACE EXPLORATION

Project #: ES-705	Well/Boring #: SB-12	Date Drilled: 9/14/00
Project: Champion Technologies	Drilling: Eades Drilling & Pump Svc.	Drilling: AR
Hobbs, NM	Company:	Method:
	Driller: Fred Root	Logged By: M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Fill material - sand, silt, gravel, brown-tan.				
2.5					
5.0		12-0305-A	SS	1	25% recovery
7.5					
10.0	Black tar material, strong odor.				
12.5		12-0810-A	SS	12	50% recovery
15.0					
17.5	Sand (SP) - black stained, very fine to fine grained, strong odor.	12-1315-A	SS	466	100% recovery
20.0					
	Sand (SP) - tan, very fine to medium grained, weakly cemented, caliche, strong odor.	12-1820-A	SS	230	80% recovery

ABBREVIATIONS AND SYMBOLS

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RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	SB-12	Date Drilled:	9/14/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
20.0					
22.5					
25.0	Sand (SP) tan, fine to medium grained, minor fines, weakly cemented caliche, gravels, strong odor.	12-2325-A	SS	13	50% recovery
27.5					
		12-2729A	SS	230	50% recovery
30.0	Boring terminated at 30' bgs.				
32.5					
35.0					
37.5					
40.0					

ABBREVIATIONS AND SYMBOLS

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ENERCON SERVICES, INC.
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RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	SB-13	Date Drilled:	9/15/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Fill material - sand, silt, brown.				
2.5	Black stained fill material, strong odor.	13-0305-A	SS	433	100% recovery
5.0					
7.5	Black stained fill material, sand, clay, organics, product, strong odor.	13-0810-A	SS	517	75% recovery
10.0					
12.5	Black stained fill material to 13.5'				
15.0	Sand (SP) - brown-tan, very fine to medium gravel, weakly cemented, strong odor.	13-1315-A	SS	413	75% recovery
17.5					
20.0	Same, strong odor.	13-1820-A	SS	553	100% recovery

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RECORD OF SUBSURFACE EXPLORATION

Project #: ES-705	Well/Boring #: SB-13	Date Drilled: 9/15/00
Project: Champion Technologies Hobbs, NM	Drilling Eades Drilling & Pump Svc. Company: Driller: Fred Root	Drilling AR Method: Logged By: M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
20.0					
22.5					
25.0	Sand (SP) - brown-tan, fine-medium gravel, weakly cemented, strong odor.	13-2325-A	SS	460	100% recovery
27.5					
30.0	Same, strong odor	13-2830-A	SS	405	75% recovery
32.5					
35.0					
37.5					
40.0	Boring terminated at 30' bgs.				

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CFA - Continuous Flight Augers
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Oil Conservation Division

RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	SB-14	Date Drilled:	9/15/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco
DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Fill material - sand, silt, clay, gravel.				
2.5	Black material - sand, silt, clay, gravel.	14-0305-A	SS	127	100% recovery
5.0					
7.5	Black tar-like material, product.	14-1810-A	SS	390	25% recovery
10.0					
12.5					
15.0	Sand (SP) - tan-brown, caliche, very fine to medium grained, weakly cemented, strong odor.	14-1315-A	SS	427	90% recovery
17.5					
20.0		14-1820-A	SS	492	100% recovery
		14-1820-B	SS	492	

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ENERCON SERVICES, INC.
8866 GULF FREEWAY, SUITE 380
HOUSTON, TEXAS 77017

RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	SB-14	Date Drilled:	9/15/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
20.0					
22.5					
25.0	Sand (SP) - tan-brown, caliche, very fine to medium grained, strong odor. Boring terminated at 25' bgs.	14-2325-A	SS	350	80% recovery
27.5					
30.0					
32.5					
35.0					
37.5					
40.0					

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ENERCON SERVICES, INC.
8866 GULF FREEWAY, STE. 380
HOUSTON, TEXAS 77017

RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	SB-15	Date Drilled:	9/15/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Fill material - sand, silt, rock, strong odor.				
2.5					
5.0		15-0305-A	SS	11	25% recovery
7.5	Black stained fill material, strong odor.				
10.0		15-0810-A	SS	191	100% recovery
12.5		15-0810-B			
15.0	Black stained fill material with gravels.	15-1315-A	SS	307	75% recovery
17.5					
20.0		15-1820-A	SS	151	50% recovery

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HSA - Hollow Stem Auger
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DC - Driving Casing
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ENERCON SERVICES, INC.
8866 GULF FREEWAY, SUITE 380
HOUSTON, TEXAS 77017

RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	SB-15	Date Drilled:	9/15/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc.	Drilling Method:	AR
		Driller:	Fred Root	Logged By:	M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
20.0	Sand (SP) - brown-tan, caliche, very fine to medium grained, weakly cemented, strong odor.				
22.5					
25.0	Boring terminated at 25' bgs.	15-2325-A	SS	156	100% recovery
		15-2325-B	SS	156	
27.5					
30.0					
32.5					
35.0					
37.5					
40.0					

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ENERCON SERVICES, INC.
8866 GULF FREEWAY, SUITE 380
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RECORD OF SUBSURFACE EXPLORATION

Project #: ES-705	Well/Boring #: SB-16	Date Drilled: 9/18/00
Project: Champion Technologies	Drilling: Eades Drilling & Pump Svc.	Drilling: AR
Hobbs, NM	Company:	Method:
	Driller: Fred Root	Logged By: M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Fill material - brown sand, silt, gravel				0.0
	Black fill material - sand, silt, debris, strong odor				
2.5		16-0305-A	SS	191	50% recovery
5.0					
7.5	Sand (SP) - tan-white, very fine to medium grain size, weakly cemented, dry caliche.				
		16-0810-A	SS	12	80% recovery
10.0					
12.5					
15.0		16-1315-A	SS	5.7	100% recovery
17.5					
		16-1820-A	SS	41	80% recovery
20.0					

ABBREVIATIONS AND SYMBOLS

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HSA - Hollow Stem Auger
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ENERCON SERVICES, INC.
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RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	SB-16	Date Drilled:	9/18/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc.	Drilling Method:	AR
		Driller:	Fred Root	Logged By:	M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
20.0					
22.5					
25.0	Boring terminated at 25' bgs.	16-2325-A	SS	5	80% recovery
27.5					
30.0					
32.5					
35.0					
37.5					
40.0					

ABBREVIATIONS AND SYMBOLS

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ENERCON SERVICES, INC.
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RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	SB-17	Date Drilled:	9/18/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Fill material - tan-brown sand, silt, rocks.				
2.5	Black fill material - sand, silt, rock, organic material, strong odor.				
5.0					0% recovery
7.5					
10.0	Sand (SP) - Brown-gray, very fine to medium grained, dry, minor fines.	17-0810-A	SS	503	100% recovery
12.5					
15.0	Sand (SP) - brown-tan, caliche, weakly cemented, gravels, minor staining, odor.	17-1315-A	SS	263	80% recovery
17.5					
20.0		17-1820-A	SS	203	
		17-1820-B	SS	203	

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RECORD OF SUBSURFACE EXPLORATION

Project #: ES-705		Well/Boring #: SB-17		Date Drilled: 9/18/00	
Project: Champion Technologies Hobbs, NM		Drilling Company: Eades Drilling & Pump Svc. Fred Root		Drilling Method: AR Logged By: M. Amabisco	
DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
20.0			SS	203	
22.5					
25.0	Hard, white caliche layer, odor.	17-2325-A	SS	17	
	Boring terminated at 25' bgs.				
27.5					
30.0					
32.5					
35.0					
37.5					
40.0					

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RECORD OF SUBSURFACE EXPLORATION

Project #: ES-705	Well/Boring #: SB-18	Date Drilled: 9/16/00
Project: Champion Technologies	Drilling: Eades Drilling & Pump Svc.	Drilling: AR
Hobbs, NM	Company:	Method:
	Driller: Fred Root	Logged By: M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Sand (SP) tan, very fine to medium grained, minor fines.				
2.5					
		18-0305-A	SS	0.5	50% recovery
5.0					
7.5	Reddish sand layer, 2" thick				
10.0		18-0810-A	SS	0.5	100% recovery
12.5					
15.0		18-1315-A	SS	0	75% recovery
17.5					
		18-1820-A	SS	0.5	25% recovery
20.0					

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RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	SB-18	Date Drilled:	9/16/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
20.0					
22.5					
25.0	Boring terminated at 25' bgs.				0% recovery
27.5					
30.0					
32.5					
35.0					
37.5					
40.0					

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RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	SB-19	Date Drilled:	9/18/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Silty sand (SM) - tan, very fine to medium grained, minor silts, caliche, gravel.				
2.5					
5.0		19-0305-A	SS	2.4	100% recovery
		19-0305-B	SS	2.4	
7.5	Sand (SP) - weakly cemented, very fine to medium grained, caliche, hard drilling.				
10.0					
12.5		19-0810-A	SS	1.1	100% recovery
15.0					
17.5					
20.0		19-1315-A	SS	0	25% recovery
		19-1820-A	SS	1.1	75% recovery

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RECORD OF SUBSURFACE EXPLORATION

Project #: ES-705	Well/Boring #: SB-19	Date Drilled: 9/18/00
Champion Technologies	Drilling Eades Drilling & Pump Svc.	Drilling AR
Project: Hobbs, NM	Company:	Method:
	Driller: Fred Root	Logged By: M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
20.0					
22.5					
25.0	Boring terminated at 35' bgs.	19-2325-A	SS	0	50% recovery
27.5					
30.0					
32.5					
35.0					
37.5					
40.0					

ABBREVIATIONS AND SYMBOLS

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ENERCON SERVICES, INC.
8866 GULF FREEWAY, SUITE 380
HOUSTON, TEXAS 77017

RECORD OF SUBSURFACE EXPLORATION

Project #: ES-705		Well/Boring #: SB-20		Date Drilled: 9/11/00		
Project: Champion Technologies		Drilling: Eades Drilling & Pump Svc.		Drilling: AR		
Hobbs, NM		Company:		Method:		
		Driller: Fred Root		Logged By: M. Amabisco		
DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS	
0.0	Clayey sand (SC), dark brown to brown, medium to fine grained, minor gravels, caliche.				0.0	
2.5					2.5	
5.0		20-0507-A	SS	1.1	75% recovery	5.0
7.5	Sand (SP), brown to tan, very fine to medium grained, trace fines, dry caliche.				7.5	
10.0		20-1012-A	SS	1	100% recovery	10.0
12.5						12.5
15.0	Gravel, cobble layer, approx. 2' thick.				15.0	
17.5		20-1517-A	SS	0.5	50% recovery	17.5
20.0					0% recovery	20.0

ABBREVIATIONS AND SYMBOLS

SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
RC - Rock Core
AR - Air Rotary
CT-5' - Continuous Sampler

HSA - Hollow Stem Auger
CFA - Continuous Flight Augers
DC - Driving Casing
MD - Mud Drilling



ENERCON SERVICES, INC.
8866 GULF FREEWAY, SUITE 380
HOUSTON, TEXAS 77017

RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	SB-20	Date Drilled:	9/11/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
20.0					0% recovery
22.5					
25.0	Boring terminated at 25' bgs.				0% recovery
27.5					
30.0					
32.5					
35.0					
37.5					
40.0					

ABBREVIATIONS AND SYMBOLS

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ENERCON SERVICES, INC.
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HOUSTON, TEXAS 77017

RECORD OF SUBSURFACE EXPLORATION

Project #: ES-705		Well/Boring #: SB-21		Date Drilled: 9/16/00	
Project: Champion Technologies		Drilling: Eades Drilling & Pump Svc.		Drilling: AR	
Hobbs, NM		Company:		Method:	
		Driller: Fred Root		Logged By: M. Amabisco	
DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Sand (SP) - tan, very fine to medium grained, minor gravel, dry, odor.				100% recovery
2.5					
5.0					
	Sand (SP) - tan, very fine to medium grained, minor gravel, fines, minor caliche, weakly cemented, odor.	21-0305-A	SS	121	75% recovery
		21-0305-B	SS	121	
7.5					
	Increased hardness, red silty sand layer approximately 2' thick.	21-0810-A	SS	88	0% recovery
10.0					
12.5					
15.0		21-1315-A	SS	83	
17.5					
20.0					

ABBREVIATIONS AND SYMBOLS

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ENERCON SERVICES, INC.
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HOUSTON, TEXAS 77017

RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	SB-21	Date Drilled:	9/16/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
20.0					
22.5					
25.0	Boring terminated at 25' bgs.				0% recovery
27.5					
30.0					
32.5					
35.0					
37.5					
40.0					

ABBREVIATIONS AND SYMBOLS

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ENERCON SERVICES, INC.
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HOUSTON, TEXAS 77017

RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	MW-1	Date Drilled:	9/14/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Sand (SP), tan to brown, medium to fine grained, caliche, minor gravel.				0.0
5.0					5.0
10.0					10.0
15.0					15.0
20.0					20.0
25.0					25.0
30.0	Hard caliche layer approx. 5' thick.				30.0
35.0					35.0
40.0	Gravel layer approx. 5' thick.				40.0

ABBREVIATIONS AND SYMBOLS

SS - Driven Split Spoon
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DC - Driving Casing
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ENERCON SERVICES, INC.
8866 GULF FREEWAY, SUITE 380
HOUSTON, TEXAS 77017

RECORD OF SUBSURFACE EXPLORATION

Project #: ES-705		Well/Boring #: MW-1		Date Drilled: 9/14/00	
Project: Champion Technologies		Drilling: Eades Drilling & Pump Svc.		Drilling: AR	
Hobbs, NM		Company:		Method:	
		Driller: Fred Root		Logged By: M. Amabisco	
DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
40.0	Gravel layer approx. 5' thick.				40.0
45.0					45.0
50.0	Water encountered.				50.0
55.0					55.0
60.0					60.0
65.0	Total Depth				65.0
70.0					70.0
75.0					75.0
80.0					80.0

ABBREVIATIONS AND SYMBOLS

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RECORD OF SUBSURFACE EXPLORATION

Project #: ES-705		Well/Boring #: MW-2		Date Drilled: 9/11/00	
Project: Champion Technologies		Drilling: Eades Drilling & Pump Svc.		Drilling: AR	
Hobbs, NM		Company:		Method:	
		Driller: Fred Root		Logged By: M. Amabisco	
DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Clayey sand (SC), dark brown to brown, medium to fine grained, minor gravels, caliche.				0.0
5.0		20-0507-A	SS	1.1	75% recovery
10.0	Sand (SP), brown to tan, very fine to medium grained, trace fines, dry caliche.				10.0
15.0		20-1012-A	SS	1	100% recovery
20.0	Gravel, cobble layer, approx. 2' thick.				15.0
25.0		20-1517-A	SS	0.5	50% recovery
30.0					20.0
35.0					25.0
40.0					30.0
					35.0
					40.0

ABBREVIATIONS AND SYMBOLS

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AR - Air Rotary
C1-S - Continuous Sampler

HSA - Hollow Stem Auger
CFA - Continuous Flight Augers
DC - Driving Casing
MD - Mud Drilling



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HOUSTON, TEXAS 77017

RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	MW-2	Date Drilled:	9/11/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
40.0					
45.0	Sandstone - tan, fine to medium grained, minor-fines, indurated.				
50.0	Sand (SP) - tan, very fine to medium grained, minor fines. Encountered water at 50' bgs.				
55.0					
60.0					
65.0	Total Depth				
70.0					
75.0					
80.0					

ABBREVIATIONS AND SYMBOLS

SS - Driven Split Spoon
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RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	MW-3	Date Drilled:	9/12/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Silty sand (SM) - brown to dark brown, minor silts, very fine to medium grained sand.				
5.0	Sand (SP) - brown to tan, very fine to medium grained, fines, caliche.				
10.0					
15.0					
20.0	Gravel layer approx. 3' thick.				
25.0					
30.0					
35.0	Gravel layer approx. 2' thick.				
40.0					

ABBREVIATIONS AND SYMBOLS

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RECORD OF SUBSURFACE EXPLORATION

Project #: ES-705		Well/Boring #: MW-3		Date Drilled: 9/12/00	
Project: Champion Technologies		Drilling: Eades Drilling & Pump Svc.		Drilling: AR	
Hobbs, NM		Company:		Method:	
		Driller: Fred Root		Logged By: M. Amabisco	
DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
40.0					
45.0	Sandstone - tan, fine to medium grained, fines, indurated, approx. 2' thick.				
50.0	Sand (SP) - tan, very fine to fine, minor fines, caliche, Water encountered at 52' bgs.				
55.0					
60.0					
65.0	Total Depth				
70.0					
75.0					
80.0					

ABBREVIATIONS AND SYMBOLS

SS - Driven Split Spoon
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RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	MW-4	Date Drilled:	9/12/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Silty sand (SM) - brown to dark brown, fine to medium grained, minor silts, dry.				
5.0	Sand (SP) - brown to tan, very fine to medium grained, trace fines, minor gravels, caliche.				
10.0					
15.0	Gravel layer approx. 6' thick.				
20.0	Hard caliche layer approx. 4' thick.				
25.0					
30.0					
35.0					
40.0					

ABBREVIATIONS AND SYMBOLS

SS - Driven Split Spoon
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HSA - Hollow Stem Auger
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RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	MW-4	Date Drilled:	9/12/00
Project:	Champion Technologies	Drilling	Eades Drilling & Pump Svc.	Drilling	AR
	Hobbs, NM	Company:		Method:	
		Driller:	Fred Root	Logged By:	M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
40.0					
45.0					
50.0	Sandstone - tan, very fine to medium grained, fines, well indurated.				
55.0	Sand (SP) - brown to tan, very fine to medium grained, trace fines. Encountered water at 53' bgs.				
60.0					
65.0	Total Depth				
70.0					
75.0					
80.0					

ABBREVIATIONS AND SYMBOLS

SS - Driven Split Spoon
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RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	MW-5	Date Drilled:	9/12/00
Project:	Champion Technologies	Drilling	Eades Drilling & Pump Svc.	Drilling	AR
	Hobbs, NM	Company:		Method:	
		Driller:	Fred Root	Logged By:	M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
0.0	Sand (SP) - brown to tan, very fine to medium grained, minor fines, caliche.				
5.0					
10.0					
15.0	Hard caliche layer approx. 5' thick.				
20.0					
25.0					
30.0					
35.0					
40.0					

ABBREVIATIONS AND SYMBOLS

SS - Driven Split Spoon
ST - Pressed Shelby Tube
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HOUSTON, TEXAS 77017

RECORD OF SUBSURFACE EXPLORATION

Project #:	ES-705	Well/Boring #:	MW-5	Date Drilled:	9/12/00
Project:	Champion Technologies Hobbs, NM	Drilling Company:	Eades Drilling & Pump Svc. Fred Root	Drilling Method:	AR M. Amabisco

DEPTH (FEET)	SOIL DESCRIPTION	SAMPLE NUMBER	SAMPLE TYPE	OVA (PPM)	REMARKS
40.0					
45.0	Sandstone - tan, fine to medium grained, minor fines, indurated.				
50.0	Sand (SP) - tan, very fine to medium grained, minor fines. Encountered water at 52' bgs.				
55.0					
60.0					
65.0	Total Depth				
70.0					
75.0					
80.0					

ABBREVIATIONS AND SYMBOLS

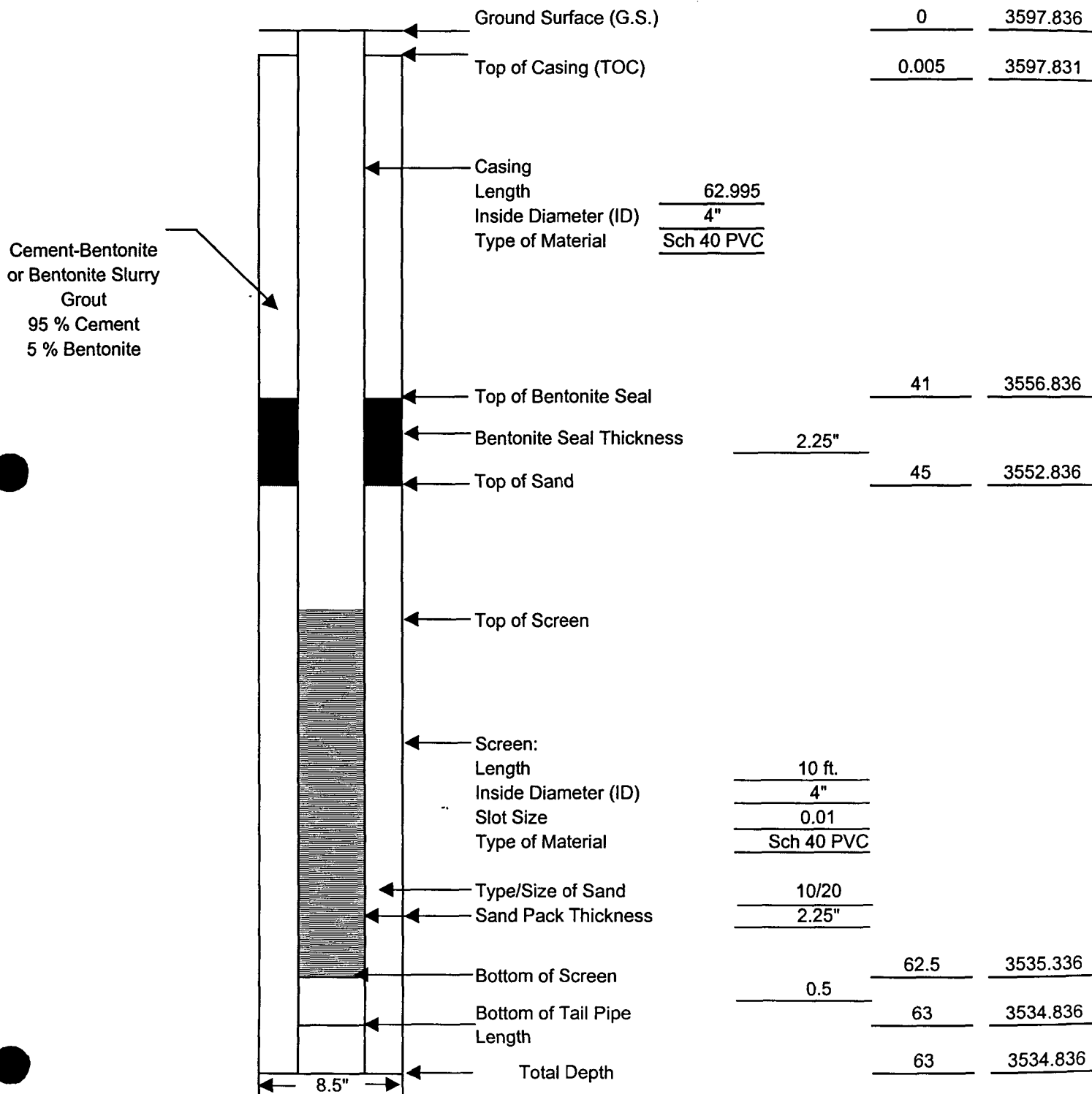
SS - Driven Split Spoon
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APPENDIX E
WELL CONSTRUCTION DIAGRAMS

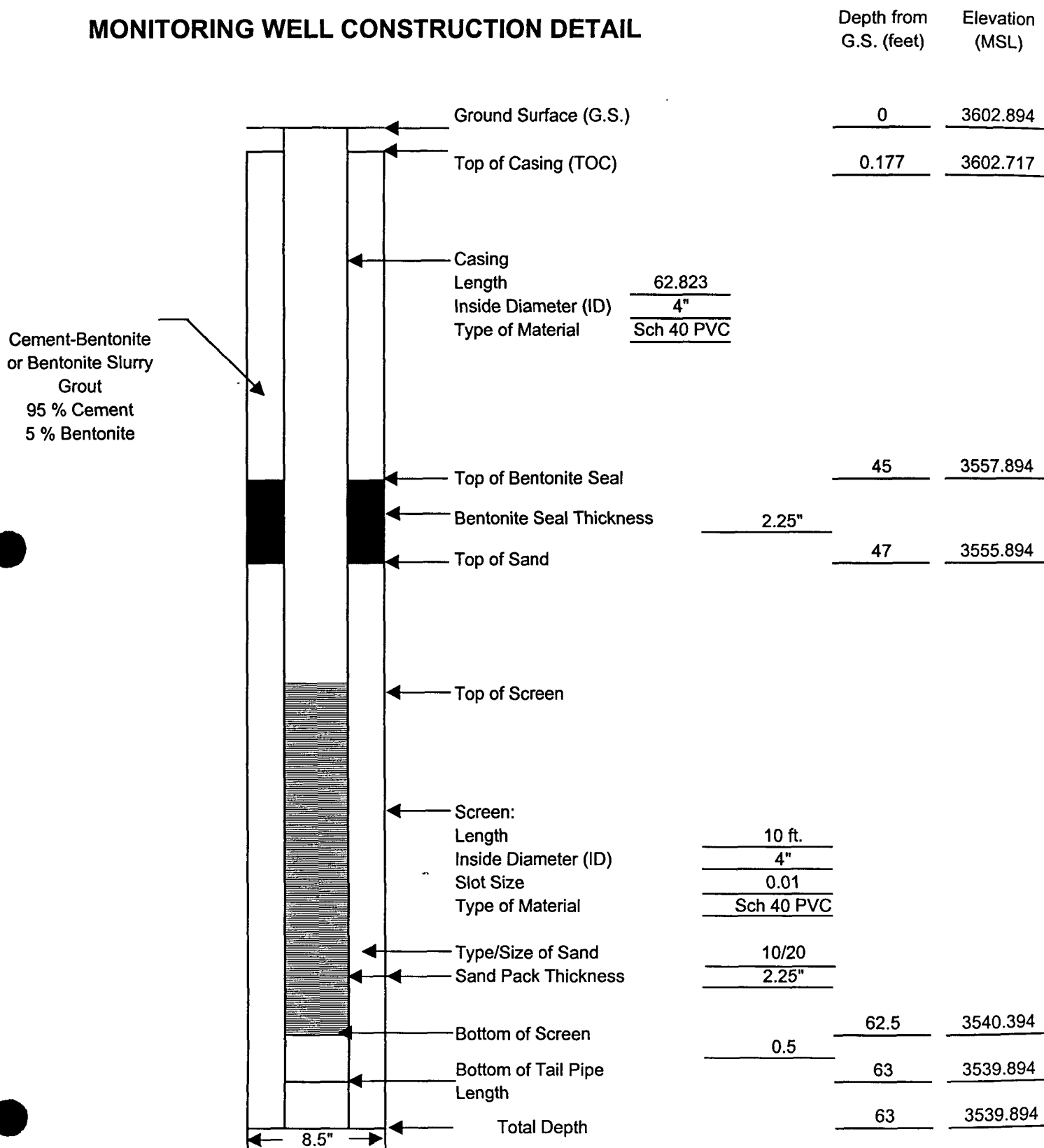
Project No: ES-705	Client: Champion Tech.	Site: Hobbs, NM	WELL No. MW-1
Well Location: 605167.996 Northing, 911708.178 Easting	Date Installed: 9/11/00		
Contractor: Eades Drilling	Method: Air Rotary	Inspector: M. Amabisco	

MONITORING WELL CONSTRUCTION DETAIL



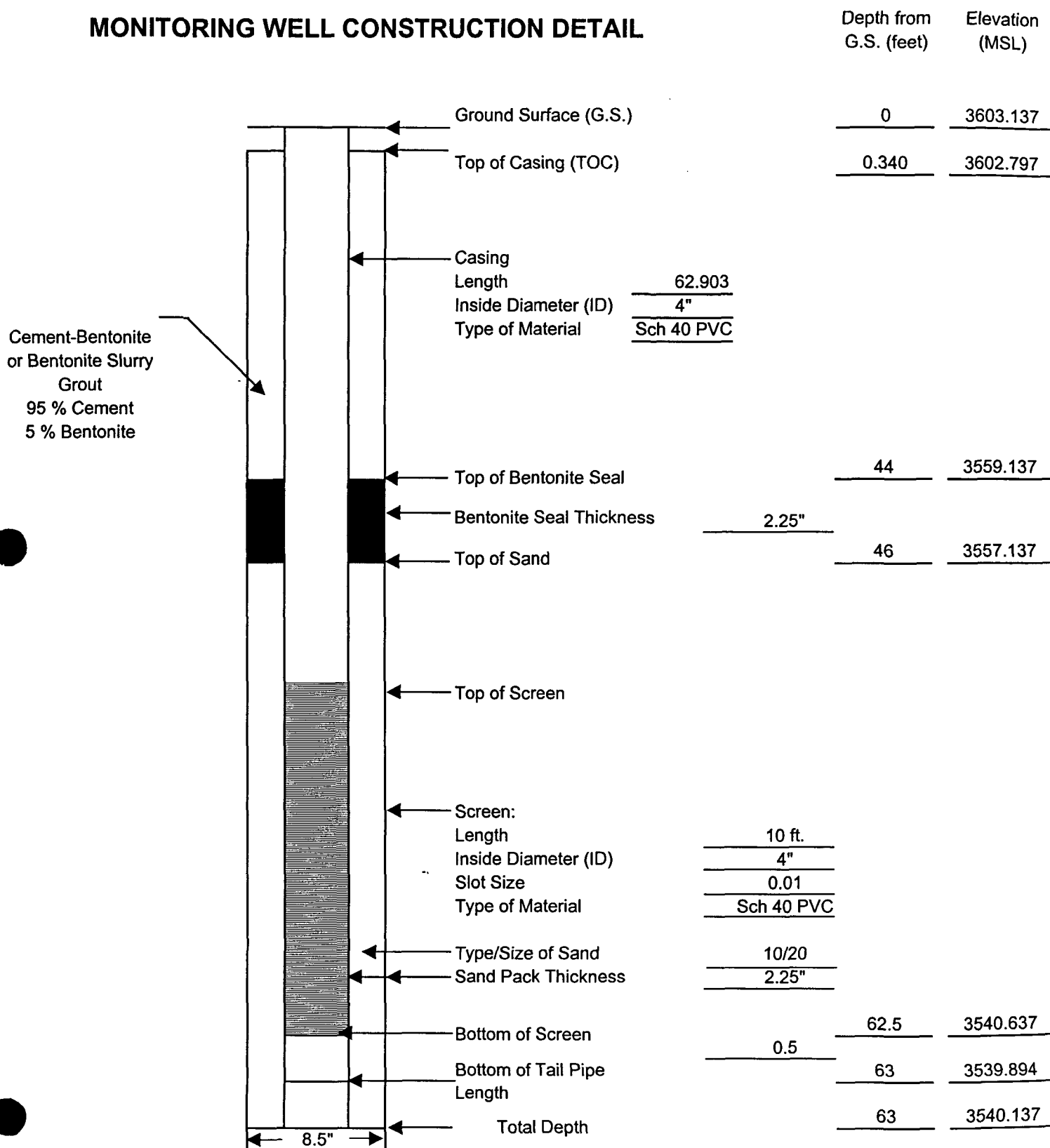
Project No: ES-705	Client: Champion Tech.	Site: Hobbs, NM	WELL No. MW-2
Well Location: 604919.491 Northing, 912042.393 Easting	Date Installed: 9/11/00		
Contractor: Eades Drilling	Method: Air Rotary	Inspector: M. Amabisco	

MONITORING WELL CONSTRUCTION DETAIL



Project No: ES-705	Client: Champion Tech.	Site: Hobbs, NM	WELL No. MW-3
Well Location: 604862.943 Northing, 912160.378 Easting		Date Installed: 9/12/00	
Contractor: Eades Drilling	Method: Air Rotary	Inspector: M. Amabisco	

MONITORING WELL CONSTRUCTION DETAIL



APPENDIX F
ANALYTICAL RESULTS

MILLENNIUM Laboratories, Inc.

1544 SAWDUST ROAD * SUITE 402 * THE WOODLANDS, TEXAS 77380 * 281-362-8490

CLIENT: Mike Amabisco

Enercon

8866 Gulf Freeway, Suite 380

Houston, TX 77017

Report No.: 2000090085

Report Date: 09/29/2000

Phone: 713-941-0401

Fax: 713-941-0402

Project Name: Hobbs Trench

Project Number: ES 705A

Received: 09/14/2000

Sampled by: Mike Amabisco

Lab Number

2000090085-1

Sample Identification

T1

REVISED

Our letters and reports are for the exclusive use of the client to whom they are addressed and shall not be reproduced except in full without the approval of the testing laboratory. The use of our name must receive our prior written approval. Our letters and reports apply only to the samples tested and are not necessarily indicative of the qualities of apparently identical or similar samples.

MILLENNIUM LABORATORIES, Inc.

Amanda Bourgeois

Tested and OAVOC reviewed by

Gina M. Tatosian

Gina M. Tatosian



**MILLENNIUM
LABORATORIES, INC.**

October 5, 2000

Enercon
Mike Amabisco
8866 Gulf Freeway, Suite 380
Houston, TX 77017

Millennium Labs Order Number: 2000090085
Project Name: Hobbs Trench
Project Number: ES 705A

Dear Mr. Amabisco:

Enclosed you find the results of the samples submitted to Millennium Laboratories on 09/14/00 from the site referenced above.

All procedures and analyses have been reviewed and meet the Quality Control limits established at Millennium Laboratories.

This report retains its validity and integrity only when reported in full and accompanied by this letter. Any other use of this report must be granted, in writing, by Millennium Laboratories. All samples pertaining to this Order Number will be disposed of 60 days after the date of receipt, unless otherwise arranged in writing.

Please do not hesitate to contact us if you have any questions or comments concerning this report. Please reference the above Work Order Number.

Sincerely,

Gina M. Tatosian
Senior Project Manager

Report No.: 2000090085

11/03/2000

Client: Enercon

Page 1 of 2

TEST RESULTS BY SAMPLE

Sample No.: 1 Date Collected: 09/13/2000 Time Collected: 10:00:00 Matrix: Soil
Description: T1 Project Name: Hobbs Trench

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	1430	mg/Kg	100.0000	09/28/2000	MAT

Report No.: 2000090085

11/03/2000

Client: Enercon

Page 2 of 2

TEST RESULTS BY SAMPLE

Sample No.: 1 Date Collected: 09/13/2000 Time Collected: 10:00:00 Matrix: Soil
Description: T1 Project Name: Hobbs Trench

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	09/21/2000	KF
Barium	SW-846 3050B/6020	600	mg/Kg	5.0000	09/21/2000	KF
Cadmium	SW-846 3050B/6020	<0.500	mg/Kg	0.5000	09/21/2000	KF
Chromium	SW-846 3050B/6020	8.24	mg/Kg	5.0000	09/21/2000	KF
Lead	SW-846 3050B/6020	11.3	mg/Kg	1.0000	09/21/2000	KF
Selenium	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	09/21/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	09/21/2000	KF
Zinc	SW-846 3050B/6020	33.3	mg/Kg	1.0000	09/21/2000	KF
Manganese	SW-846 3050B/6020	131	mg/Kg	1.0000	09/21/2000	KF
Iron	SW-846 3050B/6020	2,463	mg/Kg	1.0000	09/21/2000	KF
Copper	SW-846 3050B/6020	3.31	mg/Kg	1.0000	09/21/2000	KF

QC SUMMARY REPORT

QC Batch ID: 000928

TPH by 418.1

Laboratory Control Sample (LCS/LCSD)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		LCSD		LCS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
418.1	<10.0	500	435	87.0%	442	88.4%	2%	± 30	70 - 130

Sample Matrix Spikes (MS/MSD)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		MSD		MS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
418.1	<10.0	500	406	81.2%	419	83.8%	3%	± 30	70 - 130

Sequence Date(s): 9/28/2000

Batch Extraction/Prep Date: 9/28/2000

Data Qualifiers: NONE - associated with this batch of samples.

Sample Spiked: 2000090086-3

Project(s) In Batch: 2000090085

2000090088

2000090086

QC SUMMARY REPORT

QC Batch ID: 92100

Metals by EPA Method 6020

Mercury by Method 7471A

Laboratory Control Sample (LCS)

Method Blank Results

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Calcium	0.066	1.00	0.961	96.0%	75 - 125
Copper	0.002	0.020	0.017	83.0%	75 - 125
Arsenic	<DL	1.00	0.850	85.0%	75 - 125
Barium	0.001	1.00	0.838	84.0%	75 - 125
Zinc	0.012	1.00	0.758	76.0%	75 - 125
Cadmium	<DL	0.02	0.018	88.0%	75 - 125
Chromium	<DL	1.00	0.845	85.0%	75 - 125
Iron	0.222	1.00	0.826	83.0%	75 - 125
Lead	0.002	1.00	1.128	113.0%	75 - 125
Potassium	0.058	50.00	47.199	94.0%	75 - 125
Mercury	0.038	0.10	0.147	109.0%	75 - 125
Magnesium	0.005	1.00	0.928	93.0%	75 - 125
Sodium	0.098	50.00	57.879	116.0%	75 - 125
Selenium	<DL	0.02	0.017	87.0%	75 - 125
Manganese	0.001	1.00	0.978	98.0%	75 - 125
Silver	0.001	0.03	0.030	101.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Calcium	127,043	1.00	128,275	1232.0%	75 - 125
Copper	1.10	1.00	1.667	57.0%	75 - 125
Arsenic	<5.00	1.00	4.742	86.0%	75 - 125
Barium	106	1.00	106.608	61.0%	75 - 125
Zinc	5.34	1.00	5.954	61.0%	75 - 125
Cadmium	<0.500	1.00	0.818	69.0%	75 - 125
Chromium	<5.00	1.00	2.409	72.0%	75 - 125
Iron	1636	1.00	1636	0.0%	75 - 125
Lead	1.98	1.00	3.029	105.0%	75 - 125
Potassium	699	1.00	699.713	71.0%	75 - 125
Mercury	<0.200	0.25	0.262	105.0%	75 - 125
Magnesium	6420	1.00	8026	1606.0%	75 - 125
Sodium	1288	1.00	1293	560.0%	75 - 125
Selenium	<5.00	1.00	0.776	60.0%	75 - 125
Manganese	33.7	1.00	34.515	82.0%	75 - 125
Silver	<5.00	1.00	0.438	40.0%	75 - 125

Sequence Date(s): 9/21/00

Batch Extraction/Prep Date: 9/20/00

Sample ID - MS/MSD: 2000090086-3

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch:
2000090085
2000090086
2000090088

Laboratory Order Variance & Documentation Tracking Form
MILLENNIUM Laboratories, Inc.

Sample Log-In Check List

☒ No problems were detected during the log-in for the sampling event received.

☐ Please see the item(s) checked below.

Problem(s) related to Shipping and Handling of Coolers & Documentation

- ☐ Shipping/Cooler Custody Seal was damaged
☐ Sample(s) received without refrigeration/cool ($> 4^{\circ}\text{C}$)
☐ Sample(s) were damaged during shipping (see note below)
☐ Documentation incomplete or missing (see note below)

Problem(s) related to specific sections of the Chain of Custody

- ☐ Report To:
☐ Billing information:
☐ Project information:
☐ Collection Date/Time:
☐ Sample Matrix
☐ Analytical Requested:
☐ Broken/Missing Sample(s):

Corrective Action Taken:

Sample Control

Coordinator: CIL Date: 9-14-00 Approved by: [Signature]

MILLENNIUM Labs - Project Number

2000- 090085

Date Rec'd 9-14

Date Due: 9-28

Rush ☐

Client

Project No: ES 705A

Site: ES Hubbs Trench

Project Mgr: Mike Amabisco

Phone: _____

Report Tracking

Report Type	ML Staff Initials	Date completed
Faxed Rpt. ☒		☐ No Fax Required
Case Narrative Completed		
Final Rpt. Mailed		

Quality Assurance Tracking

Add'l Item(s) client has for this sampling event

TPH
418

Quality Assurance Req'd

- ☐ BTEX or BTEX/MtBE
☐ TPH (TX1005)
☐ Nitrate/Sulfate
☒ Metals
☐ VOCs by GC-MS
☐ SVOC by GC-MS
☐ PAH
☐ Pesticides
☐ Herbicides
☐ PCBs
☐ _____

QA/QC Filed

Initials/Date

Variance Filed

Initials/Date

Analytical Parameters Added:

- ☐ PAH Analyzed Sample # _____
☐ _____ Analyzed Sample # _____
☐ _____ Analyzed Sample # _____
☐ _____ Analyzed Sample # _____

Sub-contracted Analyses

GEOTECHS ML# _____ Sent: _____ Rec'd: _____ Lab _____

INVOICE Tracking

- ☐ FUNDED Project (verify billing address)
☐ CASH Project
☐ Other: _____

RUSH FEES ☐ Yes ☐ No

Date Invoice Printed

Invoice Number

Invoice Amount

Invoice Created By:

☐ Mailed with Report to Project Manager

☐ Other:

Notes:

Millennium Labs - Project Number

Page 1 of 1Page Number Each Chain
PER PROJECT ONLY

BILLING INFORMATION						PROJECT INFORMATION								LAB USE ONLY Page Number Each Chain PER PROJECT ONLY							
Company: Evercon Address: City: ST: Zip: Phone: 713-941-0401 Fax: -0402 Transport: M. Amabisco Remarks:						PO No.: ☐ Invoice per Fee Schedule Established for our firm; ☒ Special Project: Invoice as per project quote; Please attach quotation ☐ Direct Billing-Third Party: Attach sheet or use Remarks section for details ☐ Priority Project - Lab is Authorized to invoice for RUSH FEES Send Invoice To: ☒ Project Manager ☐ See Remarks						Project Number: E5 TOSTA Site Name limited to 20 character: Nobbs TRENCH Sampled by: Print Name(s) Below 1. M. Amabisco 2.						2000 - 090085 ☐ PAH-Soil: If C ₆ -C ₂₈ total > 100 ppm; Analyze one sample with the highest C ₁₀ -C ₂₈ concentration ☐ PAH-Water: If C ₆ -C ₂₈ total > 5.0 ppm; ☐ TDS: Analyze the cleanest sampling point based on TPH-total; if TPH is non-detect, select sample with lowest aromatic content [total BTEX] ☐ TCLP-Metals: Based on Total Metals results; run TCLP Extraction on samples with parameters which exceed 20 times the TCLP Limits ☐ TCLP-Volatiles: Based on VOC results; run TCLP Extraction on samples with compounds which exceed: [attach sheet or use remarks section]			
Turnaround Time: ☐ 5 Working Days ☐ Other: days						Total Lead 6010B	BTEX/MTE 8021	TPH 1005 418.T 90	(8) RCRA Metals	Volatile Organics 826	Semi-Volatiles 8270	PAH 8310 8100 82	Pesticides 8081	Herbicides 8151	Additional Parameters:				Comments Please use space below or attach additional sheet(s)	Total Number of Bottles per Location	
Lab No.	Sample Identification		Collected		Matrix			Method													
Date	Time	W	S	X	G	C															
1	T-I	9/13/00	1600	X	X			X							X					2	
Relinquished by: M. Amabisco Date: 9/13/00 Time: 1600 Received by: Date: Time: Condition of Sample(s) Rec'd At Lab																					
Relinquished by: Date: Time: Received by: Date: Time: Custody Seal Intact ☒ Yes ☐ No																					
Relinquished by: Date: Time: Received At Millennium Labs by: Date: Time: Sample(s) Rec'd ☒ Yes ☐ No																					
Temperature of Sample(s): ☒																					
Method of Shipment: [see back copy for shipping address & instructions] ☐ Greyhound Express ☒ Next-day Air FedEx-UPS ☐ Contract Courier ☐ Laboratory Personnel ☐ OTC-Delivery From Client																					
Case 9-14-2 10:00																					

MILLENNIUM Laboratories, Inc.

1544 SAWDUST ROAD * SUITE 402 * THE WOODLANDS, TEXAS 77380 * 281-362-8490

CLIENT: Mike Amabisco
Enercon
8866 Gulf Freeway, Suite 380
Houston, TX 77017

Report No.: 2000090086

Report Date: 09/26/2000

Phone: 713-941-0401

Fax: 713-941-0402

Project Name: Hobbs Trench

Project Number: ES 705

Received: 09/14/2000

Sampled by: Mike Amabisco

Lab Number

2000090086-1

2000090086-2

2000090086-3

Sample Identification

20-0507-A

20-1012-A

20-1517-A

REVISED

Our letters and reports are for the exclusive use of the client to whom they are addressed and shall not be reproduced except in full with out the approval of the testing laboratory. The use of our name must receive our prior written approval. Our letters and reports apply only to the samples tested and are not necessarily indicative of the qualities of apparently identical or similar samples.

MILLENNIUM LABORATORIES, Inc.

Amanda Bourgeois
Technical - QA/QC review by: *for*

Gina M. Tatossian
Gina M. Tatossian
S. D. L. L. C.



MILLENNIUM
LABORATORIES, INC.

October 5, 2000

Enercon
Mike Amabisco
8866 Gulf Freeway, Suite 380
Houston, TX 77017

Millennium Labs Order Number: 2000090086
Project Name: Hobbs Trench
Project Number: ES 705

Dear Mr. Amabisco:

Enclosed you find the results of the samples submitted to Millennium Laboratories on 09/14/00 from the site referenced above.

Your sample "20-1517-A" (Millennium ID: 2000090086-3) was randomly chosen for use in Millennium's Quality Control Program for Metals analysis by method 6020. The Matrix Spike recovery was outside the quality control limit for several analytes, due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as part of the analytical batch and all recoveries were within acceptable limits.

Your sample "20-1517-A" (Millennium ID: 2000090086-3) was randomly chosen for use in Millennium's Quality Control Program for Anions analysis by method 300.0. The Matrix Spike recovery was outside the quality control limit for several analytes, due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as part of the analytical batch and all recoveries were within acceptable limits.

All procedures and analyses have been reviewed and meet the Quality Control limits established at Millennium Laboratories.

This report retains its validity and integrity only when reported in full and accompanied by this letter. Any other use of this report must be granted, in writing, by Millennium Laboratories. All samples pertaining to this Order Number will be disposed of 60 days after the date of receipt, unless otherwise arranged in writing.

Please do not hesitate to contact us if you have any questions or comments concerning this report. Please reference the above Work Order Number.

Sincerely,

Gina M. Tatosian
Senior Project Manager

Report No.: 2000090086

11/03/2000

Client: Enercon

Page 1 of 8

TEST RESULTS BY SAMPLE

Sample No.: 1	Date Collected: 09/12/2000	Time Collected: 12:55:00	Matrix: Soil
Description: 20-0507-A	Project Name: Hobbs Trench		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	SW-846 418.1	<10.0	mg/Kg	10.0000	09/28/2000	MAT

Report No.: 2000090086

11/03/2000

Client: Enercon

Page 2 of 8

TEST RESULTS BY SAMPLE

Sample No.: 1 Date Collected: 09/12/2000 Time Collected: 12:55:00 Matrix: Soil
Description: 20-0507-A Project Name: Hobbs Trench

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	SW-846 3050B/6020	19.7	mg/Kg	0.1000	09/19/2000	KF
Chloride	SW-846 3050B/6020	868	mg/Kg	0.1000	09/19/2000	KF
Sulfate	SW-846 3050B/6020	476	mg/Kg	1.0000	09/19/2000	KF
Nitrate-N	SW-846 3050B/6020	44.6	mg/Kg	0.1000	09/19/2000	KF
Nitrite	SW-846 3050B/6020	5.07	mg/Kg	0.1000	09/19/2000	KF
Bicarbonate/Carbonate	SW-846 3050B/6020	46.9/0.41	mg/Kg	1.0000	09/18/2000	TW

Report No.: 2000090086

11/03/2000

Client: Enercon

Page 3 of 8

TEST RESULTS BY SAMPLE

Sample No.: 1 Date Collected: 09/12/2000 Time Collected: 12:55:00 Matrix: Soil
Description: 20-0507-A Project Name: Hobbs Trench

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	65,443	mg/Kg	1.0000	09/21/2000	KF
Potassium	SW-846 3050B/6020	857	mg/Kg	1.0000	09/21/2000	KF
Magnesium	SW-846 3050B/6020	1,710	mg/Kg	1.0000	09/21/2000	KF
Sodium	SW-846 3050B/6020	1,254	mg/Kg	1.0000	09/21/2000	KF
Mercury	SW-846 3050B/6020	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	09/21/2000	KF
Barium	SW-846 3050B/6020	100	mg/Kg	5.0000	09/21/2000	KF
Cadmium	SW-846 3050B/6020	<0.500	mg/Kg	0.5000	09/21/2000	KF
Chromium	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	09/21/2000	KF
Lead	SW-846 3050B/6020	3.17	mg/Kg	1.0000	09/21/2000	KF
Selenium	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	09/21/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	09/21/2000	KF
Zinc	SW-846 3050B/6020	7.26	mg/Kg	1.0000	09/21/2000	KF
Manganese	SW-846 3050B/6020	87.4	mg/Kg	1.0000	09/21/2000	KF
Iron	SW-846 3050B/6020	2,360	mg/Kg	1.0000	09/21/2000	KF
Copper	SW-846 3050B/6020	2.64	mg/Kg	1.0000	09/21/2000	KF

Report No.: 2000090086

11/03/2000

Client: Enercon

Page 4 of 8

TEST RESULTS BY SAMPLE

Sample No.: 2	Date Collected: 09/12/2000	Time Collected: 13:04:00	Matrix: Soil
Description: 20-1012-A	Project Name: Hobbs Trench		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	SW-846 418.1	<10.0	mg/Kg	10.0000	09/28/2000	MAT

Report No.: 2000090086

11/03/2000

Client: Enercon

Page 5 of 8

TEST RESULTS BY SAMPLE

Sample No.: 3 Date Collected: 09/12/2000 Time Collected: 13:10:00 Matrix: Soil
Description: 20-1517-A Project Name: Hobbs Trench

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	SW-846 418.1	<10.0	mg/Kg	10.0000	09/28/2000	MAT

Report No.: 2000090086

11/03/2000

Client: Enercon

Page 6 of 8

TEST RESULTS BY SAMPLE

Sample No.: 3	Date Collected: 09/12/2000	Time Collected: 13:10:00	Matrix: Soil
Description: 20-1517-A	Project Name: Hobbs Trench		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 3050B/6020	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	09/21/2000	KF
Barium	SW-846 3050B/6020	106	mg/Kg	5.0000	09/21/2000	KF
Cadmium	SW-846 3050B/6020	<0.500	mg/Kg	0.5000	09/21/2000	KF
Chromium	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	09/21/2000	KF
Lead	SW-846 3050B/6020	1.98	mg/Kg	1.0000	09/21/2000	KF
Selenium	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	09/21/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	09/21/2000	KF
Zinc	SW-846 3050B/6020	5.34	mg/Kg	1.0000	09/21/2000	KF
Manganese	SW-846 3050B/6020	33.7	mg/Kg	1.0000	09/21/2000	KF
Iron	SW-846 3050B/6020	1,636	mg/Kg	1.0000	09/21/2000	KF
Copper	SW-846 3050B/6020	1.10	mg/Kg	1.0000	09/21/2000	KF

Report No.: 2000090086

11/03/2000

Client: Enercon

Page 7 of 8

TEST RESULTS BY SAMPLE

Sample No.: 3	Date Collected: 09/12/2000	Time Collected: 13:10:00	Matrix: Soil
Description: 20-1517-A	Project Name: Hobbs Trench		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	SW-846 3050B/6020	15.2	mg/Kg	0.1000	09/19/2000	KF
Chloride	SW-846 3050B/6020	3,122	mg/Kg	0.1000	09/19/2000	KF
Sulfate	SW-846 3050B/6020	224	mg/Kg	1.0000	09/19/2000	KF
Nitrate-N	SW-846 3050B/6020	15.3	mg/Kg	0.1000	09/19/2000	KF
Nitrite	SW-846 3050B/6020	445	mg/Kg	0.1000	09/19/2000	KF
Bicarbonate/Carbonate	SW-846 3050B/6020	30.4/0.17	mg/Kg	1.0000	09/18/2000	KF

Report No.: 2000090086

11/03/2000

Client: Enercon

Page 8 of 8

TEST RESULTS BY SAMPLE

Sample No.: 3 Date Collected: 09/12/2000 Time Collected: 13:10:00 Matrix: Soil
Description: 20-1517-A Project Name: Hobbs Trench

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	127,043	mg/Kg	1.0000	09/21/2000	KF
Potassium	SW-846 3050B/6020	699	mg/Kg	1.0000	09/21/2000	KF
Magnesium	SW-846 3050B/6020	6,420	mg/Kg	1.0000	09/21/2000	KF
Sodium	SW-846 3050B/6020	1,288	mg/Kg	1.0000	09/21/2000	KF

QC SUMMARY REPORT

QC Batch ID: 000928

TPH by 418.1

Laboratory Control Sample (LCS/LCSD)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		LCSD		LCS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
418.1	<10.0	500	435	87.0%	442	88.4%	2%	± 30	70 - 130

Sample Matrix Spikes (MS/MSD)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		MSD		MS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
418.1	<10.0	500	406	81.2%	419	83.8%	3%	± 30	70 - 130

Sequence Date(s): 9/28/2000

Batch Extraction/Prep Date: 9/28/2000

Data Qualifiers: NONE - associated with this batch of samples.

Sample Spiked: 2000090086-3

Project(s) In Batch: 2000090085
2000090086

2000090088

QC SUMMARY REPORT

QC Batch ID: 92100

Metals by EPA Method 6020

Mercury by Method 7471A

Laboratory Control Sample (LCS)

Method Blank Results

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Calcium	0.066	1.00	0.961	96.0%	75 - 125
Copper	0.002	0.020	0.017	83.0%	75 - 125
Arsenic	<DL	1.00	0.850	85.0%	75 - 125
Barium	0.001	1.00	0.838	84.0%	75 - 125
Zinc	0.012	1.00	0.758	76.0%	75 - 125
Cadmium	<DL	0.02	0.018	88.0%	75 - 125
Chromium	<DL	1.00	0.845	85.0%	75 - 125
Iron	0.222	1.00	0.826	83.0%	75 - 125
Lead	0.002	1.00	1.128	113.0%	75 - 125
Potassium	0.058	50.00	47.199	94.0%	75 - 125
Mercury	0.038	0.10	0.147	109.0%	75 - 125
Magnesium	0.005	1.00	0.928	93.0%	75 - 125
Sodium	0.098	50.00	57.879	116.0%	75 - 125
Selenium	<DL	0.02	0.017	87.0%	75 - 125
Manganese	0.001	1.00	0.978	98.0%	75 - 125
Silver	0.001	0.03	0.030	101.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Calcium	127,043	1.00	128,275	1232.0%	75 - 125
Copper	1.10	1.00	1.667	57.0%	75 - 125
Arsenic	<5.00	1.00	4.742	86.0%	75 - 125
Barium	106	1.00	106.608	61.0%	75 - 125
Zinc	5.34	1.00	5.954	61.0%	75 - 125
Cadmium	<0.500	1.00	0.818	69.0%	75 - 125
Chromium	<5.00	1.00	2.409	72.0%	75 - 125
Iron	1636	1.00	1636	0.0%	75 - 125
Lead	1.98	1.00	3.029	105.0%	75 - 125
Potassium	699	1.00	699.713	71.0%	75 - 125
Mercury	<0.200	0.25	0.262	105.0%	75 - 125
Magnesium	6420	1.00	8026	1606.0%	75 - 125
Sodium	1288	1.00	1293	560.0%	75 - 125
Selenium	<5.00	1.00	0.776	60.0%	75 - 125
Manganese	33.7	1.00	34.515	82.0%	75 - 125
Silver	<5.00	1.00	0.438	40.0%	75 - 125

Sequence Date(s): 9/21/00

Batch Extraction/Prep Date:

9/20/00

Sample ID - MS/MSD: 2000090086-3

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090085
2000090086
2000090088 ..

QC SUMMARY REPORT

QC Batch ID: 91800

Alkalinity - Bicarbonate/Carbonate by EPA Method 310.1

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria
			Result (ppm)	Recovery (%)	Spike % Recovery (Low - High Limit)
Alkalinity	1.00	79.42	77.00	97.0%	80 - 120

Sample/Sample Duplicate

CONSTITUENT	Sample Result (ppm)	Sample Dup (ppm)	Dup	QC Acceptance Criteria
			Recovery (%)	% Recovery (Low - High Limit)
Alkalinity	96.00	100.00	102.0%	75 - 125

Sequence Date(s): 9/18/00

Batch Extraction/Prep Date:

9/18/00

Sample ID - Sample/Dup 2000090086-1

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090086
2000090088

QC SUMMARY REPORT

QC Batch ID: 91900

Anions by EPA Method 300.0

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria
			Result (ppm)	Recovery (%)	Spike % Recovery (Low - High Limit)
Fluoride	<DL	10.00	9.359	94.0%	75 - 125
Chloride	<DL	50.00	44.656	90.0%	75 - 125
Nitrite	<DL	15.00	16.598	111.0%	75 - 125
Nitrate	<DL	10.00	10.064	101.0%	75 - 125
Sulfate	<DL	50.00	43.801	88.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria
			Result (ppm)	Recovery (%)	Spike % Recovery (Low - High Limit)
Fluoride	15.2	10.00	15.9	7.0%	75 - 125
Chloride	3122	10.00	3122	0.0%	75 - 125
Nitrite	445	10.00	445.000	0.0%	75 - 125
Nitrate	15.3	10.00	16.120	5.0%	75 - 125
Sulfate	224	10.00	224.000	0.0%	75 - 125

Sequence Date(s): 9/19/00

Batch Extraction/Prep Date:

9/19/00

Sample ID - MS/MSD: 2000090086-3

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090086

Laboratory Order Variance & Documentation Tracking Form
MILLENNIUM Laboratories, Inc.

Sample Log-In Check List

☒ No problems were detected during the log-in for the sampling event received.

☐ Please see the item(s) checked below.

Problem(s) related to Shipping and Handling of Coolers & Documentation

- ☐ Shipping/Cooler Custody Seal was damaged
☐ Sample(s) received without refrigeration/cool ($> 4^{\circ}\text{C}$)
☐ Sample(s) were damaged during shipping (see note below)
☐ Documentation incomplete or missing (see note below)

Problem(s) related to specific sections of the Chain of Custody

- ☐ Report To:
☐ Billing information:
☐ Project information:
☐ Collection Date/Time:
☐ Sample Matrix
☐ Analytical Requested:
☐ Broken/Missing Sample(s):

Corrective Action Taken:

Sample Control

Coordinator: CIT

Date: 9-14-00

Approved by: [Signature]

MILLENNIUM Labs - Project Number

2000-090086

Date Rec'd 9-14

Date Due: 9-28

Rush ☐

Client

Project No: ES 705
 Site: Hobbs Marsh
 Project Mgr: Mike Amobisco
 Phone: _____

Report Tracking

Report Type	ML Staff Initials	Date completed
<u>Faxed Rpt.</u>		☐ No Fax Required
Case Narrative Completed		
Final Rpt.		
Mailed		

Quality Assurance Tracking

Add'l Item(s) client has for this sampling event

TPH
4118
General Chemistry

Quality Assurance Req'd

- ☐ BTEX or BTEX/MtBE
☐ TPH (TX1005)
☐ Nitrate/Sulfate
☒ Metals
☐ VOCs by GC-MS
☐ SVOC by GC-MS
☐ PAH
☐ Pesticides
☐ Herbicides
☐ PCBs
☐ _____

QA/QC Filed

Variance Filed

Initials/Date

Initials/Date

Analytical Parameters Added:

- ☐ PAH Analyzed Sample # _____
☐ _____ Analyzed Sample # _____
☐ _____ Analyzed Sample # _____
☐ _____ Analyzed Sample # _____

Sub-contracted Analyses

OTECHS ML# _____ Sent: _____ Rec'd: _____ Lab: _____

INVOICE Tracking

- ☐ FUNDED Project (verify billing address)
☐ CASH Project
☐ Other: _____

RUSH FEES ☐ Yes ☐ No

Date Invoice Printed

Invoice Number

Invoice Amount

Invoice Created By: _____

☐ Mailed with Report to Project Manager

☐ Other: _____

Notes:

Millennium Labs - Project Number

Page ____ of ____

Page Number Each Char
PER PROJECT ONLY[illegible]

MILLENNIUM Laboratories, Inc.

1544 SAWDUST ROAD * SUITE 402 * THE WOODLANDS, TEXAS 77380 * 281-362-8490

-CLIENT: Mike Amabisco
Enercon
8866 Gulf Freeway, Suite 380
Houston, TX 77017

Report No.: 2000090088
Report Date: 09/26/2000

Phone: 713-941-0401

Fax: 713-941-0402

Project Name: Hobbs
Project Number: ES 705
Received: 09/15/2000

Sampled by: Mike Amabisco

Lab Number

2000090088-1
2000090088-2
2000090088-3
2000090088-4
2000090088-5
2000090088-6
2000090088-7
2000090088-8
2000090088-9
2000090088-10
2000090088-11
2000090088-12
2000090088-13
2000090088-14
2000090088-15

Sample Identification

11-0305-A
11-0810-A
11-1315-A
11-2325-A
12-0305-A
12-0810-A
12-1315-A
12-1820-A
12-2325-A
12-2729-A
10-0305-A
10-0810-A
10-1315-A
10-1820-A
10-2325

REVISED

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MILLENNIUM LABORATORIES, Inc.

Amanda Bourgeois
Technical - QA/QC review by: *for*

Gina M. Tatosian
Gina M. Tatosian



**MILLENNIUM
LABORATORIES, INC.**

October 5, 2000

Enercon
Attn: Mike Amabisco
8866 Gulf Freeway, Suite 380
Houston, TX 77017

Millennium Labs Order Number: 2000090088
Project Name: Hobbs Trench
Project Number: ES 705A

Dear Mr. Amabisco:

Enclosed you will find the results of the samples submitted to Millennium Laboratories on 09/15/00 from the site referenced above.

Your sample "10-1820-A" (Millennium ID: 2000090088-15) was randomly chosen for use in Millennium's Quality Control Program for Metals analysis by methods 6010B and 6020. The Matrix Spike recoveries were outside the quality control limits for various compounds, due to the high concentrations of the original unspiked sample. A Laboratory Control Sample (LCS) was analyzed as part of the analytical batch and all recoveries were within acceptable limits.

Your sample "10-0305-A" (Millennium ID: 2000090088-11) was randomly chosen for use in Millennium's Quality Control Program for Metals analysis by method 6010B and 6020. The Matrix Spike recoveries were outside the quality control limits for various compounds, due to the high concentrations of the original unspiked sample and matrix interference. A Laboratory Control Sample (LCS) was analyzed as part of the analytical batch and all recoveries were within acceptable limits.

Your sample "12-2325-A" (Millennium ID: 2000090088-9) was randomly chosen for use in Millennium's Quality Control Program for Fluoride, Chloride, Nitrite, Nitrate and Sulfate analyses by method 300.0. The Matrix Spike recoveries were outside the quality control limits for various compounds, due to the matrix interference. A Laboratory Control Sample (LCS) was analyzed as part of the analytical batch and all recoveries were within acceptable limits.

Your sample "10-0305-A" (Millennium ID: 2000090088-11) was randomly chosen for use in Millennium's Quality Control Program for Fluoride, Chloride, Nitrite, Nitrate and Sulfate analyses by method 300.0. The Matrix Spike recoveries were outside the quality control limits for various compounds, due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as part of the analytical batch and all recoveries were within acceptable limits.

All procedures and analyses have been reviewed and meet the Quality Control limits established at Millennium Laboratories.



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LABORATORIES, INC.**

This report retains its validity and integrity only when reproduced in full and accompanied by this letter. Any other use of this report must be granted, in writing, by Millennium Laboratories. All samples pertaining to this Order Number will be disposed of 60 days after the date of receipt, unless otherwise arranged in writing.

Please do not hesitate to contact us if you have any questions or comments concerning this report. Please reference the above Work Order Number.

Sincerely,

Gina M. Tatosian
Senior Project Manager

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TEST RESULTS BY SAMPLE

Sample No.: 1	Date Collected: 09/14/2000	Time Collected: 10:40:00	Matrix: Soil
Description: 11-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	<0.125	mg/Kg	0.1250	09/15/2000	SCS
Toluene	SW-846 5030B/8021B	<0.125	mg/Kg	0.1250	09/15/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	1.09	mg/Kg	0.1250	09/15/2000	SCS
Xylenes, total	SW-846 5030B/8021B	9.88	mg/Kg	0.1250	09/15/2000	SCS

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TEST RESULTS BY SAMPLE

Sample No.: 1 Date Collected: 09/14/2000 Time Collected: 10:40:00 Matrix: Soil
Description: 11-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 300.0	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Barium	SW-846 300.0	172	mg/Kg	5.0000	09/21/2000	KF
Cadmium	SW-846 300.0	<0.500	mg/Kg	0.5000	09/21/2000	KF
Chromium	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Lead	SW-846 300.0	3.51	mg/Kg	1.0000	09/21/2000	KF
Selenium	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Silver	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Zinc	SW-846 300.0	4.22	mg/Kg	1.0000	09/21/2000	KF
Manganese	SW-846 300.0	15.5	mg/Kg	1.0000	09/21/2000	KF
Iron	SW-846 300.0	1,392	mg/Kg	1.0000	09/21/2000	KF
Copper	SW-846 300.0	2.07	mg/Kg	1.0000	09/21/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 1	Date Collected: 09/14/2000	Time Collected: 10:40:00	Matrix: Soil
Description: 11-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	SW-846 418.1	44800	mg/Kg	1000.0000	09/28/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 1	Date Collected: 09/14/2000	Time Collected: 10:40:00	Matrix: Soil
Description: 11-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	SW-846 300.0	18.2	mg/Kg	0.1000	09/19/2000	KF
Chloride	SW-846 300.0	636	mg/Kg	0.1000	09/19/2000	KF
Sulfate	SW-846 300.0	188	mg/Kg	1.0000	09/19/2000	KF
Nitrate-N	SW-846 300.0	3.47	mg/Kg	0.1000	09/19/2000	KF
Nitrite	SW-846 300.0	2.37	mg/Kg	0.1000	09/19/2000	KF
Bicarbonate/Carbonate	SW-846 310.1	85.1/0.81	mg/Kg	1.0000	09/18/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 1	Date Collected: 09/14/2000	Time Collected: 10:40:00	Matrix: Soil
Description: 11-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050/6020	196,821	mg/Kg	1.0000	09/21/2000	KF
Potassium	SW-846 3050/6020	619	mg/Kg	1.0000	09/21/2000	KF
Magnesium	SW-846 3050/6020	2,597	mg/Kg	1.0000	09/21/2000	KF
Sodium	SW-846 3050/6020	563	mg/Kg	1.0000	09/21/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 2 Date Collected: 09/14/2000 Time Collected: 10:45:00 Matrix: Soil
Description: 11-0810-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	SW-846 418.1	10900	mg/Kg	1000.0000	09/28/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 3	Date Collected: 09/14/2000	Time Collected: 10:50:00	Matrix: Soil
Description: 11-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	<0.125	mg/Kg	0.1250	09/15/2000	SCS
Toluene	SW-846 5030B/8021B	0.161	mg/Kg	0.1250	09/15/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	0.913	mg/Kg	0.1250	09/15/2000	SCS
Xylenes, total	SW-846 5030B/8021B	2.91	mg/Kg	0.1250	09/15/2000	SCS

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TEST RESULTS BY SAMPLE

Sample No.: 3 Date Collected: 09/14/2000 Time Collected: 10:50:00 Matrix: Soil
Description: 11-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	SW-846 418.1	15900	mg/Kg	1000.0000	09/28/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 3 Date Collected: 09/14/2000 Time Collected: 10:50:00 Matrix: Soil
Description: 11-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 300.0	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Barium	SW-846 300.0	415	mg/Kg	5.0000	09/21/2000	KF
Cadmium	SW-846 300.0	<0.500	mg/Kg	0.5000	09/21/2000	KF
Chromium	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Lead	SW-846 300.0	2.77	mg/Kg	1.0000	09/21/2000	KF
Selenium	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Silver	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Zinc	SW-846 300.0	6.77	mg/Kg	1.0000	09/21/2000	KF
Manganese	SW-846 300.0	32.6	mg/Kg	1.0000	09/21/2000	KF
Iron	SW-846 300.0	2,083	mg/Kg	1.0000	09/21/2000	KF
Copper	SW-846 300.0	2.35	mg/Kg	1.0000	09/21/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 3 Date Collected: 09/14/2000 Time Collected: 10:50:00 Matrix: Soil
Description: 11-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	SW-846 300.0	20.5	mg/Kg	0.1000	09/19/2000	KF
Chloride	SW-846 300.0	1,403	mg/Kg	0.1000	09/19/2000	KF
Sulfate	SW-846 300.0	128	mg/Kg	1.0000	09/19/2000	KF
Nitrate-N	SW-846 300.0	3.14	mg/Kg	0.1000	09/19/2000	KF
Nitrite	SW-846 300.0	4.02	mg/Kg	0.1000	09/19/2000	KF
Bicarbonate/Carbonate	SW-846 300.0	101/0.72	mg/Kg	1.0000	09/18/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 3	Date Collected: 09/14/2000	Time Collected: 10:50:00	Matrix: Soil
Description: 11-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 300.0	99,422	mg/Kg	1.0000	09/21/2000	KF
Potassium	SW-846 300.0	1,059	mg/Kg	1.0000	09/21/2000	KF
Magnesium	SW-846 300.0	18,253	mg/Kg	1.0000	09/29/2000	KF
Sodium	SW-846 300.0	1,563	mg/Kg	1.0000	09/21/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 4 Date Collected: 09/14/2000 Time Collected: 11:25:00 Matrix: Soil
Description: 11-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	SW-846 418.1	<10.0	mg/Kg	10.0000	09/28/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 4 Date Collected: 09/14/2000 Time Collected: 11:25:00 Matrix: Soil
Description: 11-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 300.0	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Barium	SW-846 300.0	170	mg/Kg	5.0000	09/21/2000	KF
Cadmium	SW-846 300.0	<0.500	mg/Kg	0.5000	09/21/2000	KF
Chromium	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Lead	SW-846 300.0	1.29	mg/Kg	1.0000	09/21/2000	KF
Selenium	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Silver	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Zinc	SW-846 300.0	5.49	mg/Kg	1.0000	09/21/2000	KF
Manganese	SW-846 300.0	29.6	mg/Kg	1.0000	09/21/2000	KF
Iron	SW-846 300.0	1,931	mg/Kg	1.0000	09/21/2000	KF
Copper	SW-846 300.0	2.49	mg/Kg	1.0000	09/21/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 4 Date Collected: 09/14/2000 Time Collected: 11:25:00 Matrix: Soil
Description: 11-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	SW-846 300.0	21.7	mg/Kg	0.1000	09/19/2000	KF
Chloride	SW-846 300.0	3,006	mg/Kg	0.1000	09/19/2000	KF
Sulfate	SW-846 300.0	134	mg/Kg	1.0000	09/19/2000	KF
Nitrate-N	SW-846 300.0	1.85	mg/Kg	0.1000	09/19/2000	KF
Nitrite	SW-846 300.0	2,639	mg/Kg	0.1000	09/19/2000	KF
Bicarbonate/Carbonate	SW-846 300.0	23.2/0.09	mg/Kg	1.0000	09/18/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 4	Date Collected: 09/14/2000	Time Collected: 11:25:00	Matrix: Soil
Description: 11-2325-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 300.0	18,300	mg/Kg	1.0000	09/21/2000	KF
Potassium	SW-846 300.0	818	mg/Kg	1.0000	09/21/2000	KF
Magnesium	SW-846 300.0	19,675	mg/Kg	1.0000	09/29/2000	KF
Sodium	SW-846 300.0	1,541	mg/Kg	1.0000	09/21/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 5	Date Collected: 09/14/2000	Time Collected: 12:45:00	Matrix: Soil
Description: 12-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	SW-846 418.1	<10.0	mg/Kg	10.0000	09/28/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 5 Date Collected: 09/14/2000 Time Collected: 12:45:00 Matrix: Soil
Description: 12-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 300.0	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Barium	SW-846 300.0	884	mg/Kg	5.0000	09/21/2000	KF
Cadmium	SW-846 300.0	<0.500	mg/Kg	0.5000	09/21/2000	KF
Chromium	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Lead	SW-846 300.0	6.06	mg/Kg	1.0000	09/21/2000	KF
Selenium	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Silver	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Zinc	SW-846 300.0	14.7	mg/Kg	1.0000	09/21/2000	KF
Manganese	SW-846 300.0	48.4	mg/Kg	1.0000	09/21/2000	KF
Iron	SW-846 300.0	2,441	mg/Kg	1.0000	09/21/2000	KF
Copper	SW-846 300.0	3.05	mg/Kg	1.0000	09/21/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 5 Date Collected: 09/14/2000 Time Collected: 12:45:00 Matrix: Soil
Description: 12-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	SW-846 300.0	32.7	mg/Kg	0.1000	09/19/2000	KF
Chloride	SW-846 300.0	565	mg/Kg	0.1000	09/19/2000	KF
Sulfate	SW-846 300.0	725	mg/Kg	1.0000	09/19/2000	KF
Nitrate-N	SW-846 300.0	25.7	mg/Kg	0.1000	09/19/2000	KF
Nitrite	SW-846 300.0	3.59	mg/Kg	0.1000	09/19/2000	KF
Bicarbonate/Carbonate	SW-846 300.0	142/1.13	mg/Kg	1.0000	09/18/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 5 Date Collected: 09/14/2000 Time Collected: 12:45:00 Matrix: Soil
Description: 12-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 300.0	99,668	mg/Kg	1.0000	09/21/2000	KF
Potassium	SW-846 300.0	1,233	mg/Kg	1.0000	09/21/2000	KF
Magnesium	SW-846 300.0	5,533	mg/Kg	1.0000	09/21/2000	KF
Sodium	SW-846 300.0	861	mg/Kg	1.0000	09/21/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 6	Date Collected: 09/14/2000	Time Collected: 12:55:00	Matrix: Soil
Description: 12-0810-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	SW-846 418.1	200	mg/Kg	100.0000	09/28/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 7	Date Collected: 09/14/2000	Time Collected: 13:10:00	Matrix: Soil
Description: 12-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	SW-846 418.1	28700	mg/Kg	1000.0000	09/28/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 7 Date Collected: 09/14/2000 Time Collected: 13:10:00 Matrix: Soil
Description: 12-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 300.0	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Barium	SW-846 300.0	365	mg/Kg	5.0000	09/21/2000	KF
Cadmium	SW-846 300.0	<0.500	mg/Kg	0.5000	09/21/2000	KF
Chromium	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Lead	SW-846 300.0	1.85	mg/Kg	1.0000	09/21/2000	KF
Selenium	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Silver	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Zinc	SW-846 300.0	4.34	mg/Kg	1.0000	09/21/2000	KF
Manganese	SW-846 300.0	34.9	mg/Kg	1.0000	09/21/2000	KF
Iron	SW-846 300.0	2,282	mg/Kg	1.0000	09/21/2000	KF
Copper	SW-846 300.0	1.34	mg/Kg	1.0000	09/21/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 7	Date Collected: 09/14/2000	Time Collected: 13:10:00	Matrix: Soil
Description: 12-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	2.29	mg/Kg	0.1250	09/15/2000	SCS
Toluene	SW-846 5030B/8021B	10.7	mg/Kg	0.1250	09/15/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	19.0	mg/Kg	0.1250	09/15/2000	SCS
Xylenes, total	SW-846 5030B/8021B	34.6	mg/Kg	0.1250	09/15/2000	SCS

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TEST RESULTS BY SAMPLE

Sample No.: 7	Date Collected: 09/14/2000	Time Collected: 13:10:00	Matrix: Soil
Description: 12-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
N-Nitrosodimethylamine	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Phenol	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Bis(2-chloroethyl)ether	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
2-Chlorophenol	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
1,3-Dichlorobenzene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
1,4-Dichlorobenzene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
1,2-Dichlorobenzene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
2-Methylphenol	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Bis(2-chloroisopropyl)ether	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
4-Methylphenol	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
N-Nitrosodi-n-propylamine	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Hexachloroethane	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Nitrobenzene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Isophorone	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
2-Nitrophenol	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
2,4-Dimethylphenol	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Bis(2-chloroethoxy)methane	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
2,4-Dichlorophenol	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
1,2,4-Trichlorobenzene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Naphthalene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
4-Chloroaniline	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Hexachlorobutadiene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
4-Chloro-3-methylphenol	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
2-Methylnaphthalene	SW-846 3550B/8270C	3.84	mg/Kg	3.3000	09/27/2000	TRE
Hexachlorocyclopentadiene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
2,4,6-Trichlorophenol	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
2,4,5-Trichlorophenol	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
2-Chloronaphthalene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
2-Nitroaniline	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Dimethyl phthalate	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
2,6-Dinitrotoluene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Acenaphthylene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
3-Nitroaniline	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Acenaphthene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 7	Date Collected: 09/14/2000	Time Collected: 13:10:00	Matrix: Soil
Description: 12-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2,4-Dinitrophenol	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
4-Nitrophenol	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Dibenzofuran	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
2,4-Dinitrotoluene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Diethyl phthalate	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Fluorene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
4-Chlorophenylphenyl ether	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
4-Nitroaniline	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
2-Methyl-4,6-dinitrophenol	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Azobenzene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
4-Bromophenylphenyl ether	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Hexachlorobenzene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Pentachlorophenol	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Phenanthrene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Anthracene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Carbazole	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Di-n-butyl phthalate	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Fluoranthene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Pyrene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Butylbenzyl phthalate	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Benzo(a)anthracene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Chrysene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Bis(2-ethylhexyl)phthalate	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Di-n-octyl phthalate	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Benzo(b)fluoranthene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Benzo(k)fluoranthene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Benzo(a)pyrene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Indeno(1,2,3-cd)pyrene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Dibenzo(a,h)anthracene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
Benzo(ghi)perylene	SW-846 3550B/8270C	<3.30	mg/Kg	3.3000	09/27/2000	TRE
2-Fluorophenol	SW-846 3550B/8270C	MI	% Rec.	0.0000	09/27/2000	TRE
Phenol-d6	SW-846 3550B/8270C	MI	% Rec.	0.0000	09/27/2000	TRE
2,4,6-Tribromophenol	SW-846 3550B/8270C	MI	% Rec.	0.0000	09/27/2000	TRE
Nitrobenzene-d5	SW-846 3550B/8270C	MI	% Rec.	0.0000	09/27/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 7	Date Collected: 09/14/2000	Time Collected: 13:10:00	Matrix: Soil
Description: 12-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2-Fluorobiphenyl	SW-846 3550B/8270C	MI	% Rec.	0.0000	09/27/2000	TRE
Terphenyl-d14	SW-846 3550B/8270C	MI	% Rec.	0.0000	09/27/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 7 Date Collected: 09/14/2000 Time Collected: 13:10:00 Matrix: Soil
Description: 12-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	SW-846 300.0	13.9	mg/Kg	0.1000	09/19/2000	KF
Chloride	SW-846 300.0	1,497	mg/Kg	0.1000	09/19/2000	KF
Sulfate	SW-846 300.0	94.0	mg/Kg	1.0000	09/19/2000	KF
Nitrate-N	SW-846 300.0	1.13	mg/Kg	0.1000	09/19/2000	KF
Nitrite	SW-846 300.0	31.7	mg/Kg	0.1000	09/19/2000	KF
Bicarbonate/Carbonate	SW-846 300.0	22.2/0.09	mg/Kg	1.0000	09/18/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 7	Date Collected: 09/14/2000	Time Collected: 13:10:00	Matrix: Soil
Description: 12-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 300.0	50,227	mg/Kg	1.0000	09/21/2000	KF
Potassium	SW-846 300.0	731	mg/Kg	1.0000	09/21/2000	KF
Magnesium	SW-846 300.0	22,484	mg/Kg	1.0000	09/29/2000	KF
Sodium	SW-846 300.0	1,380	mg/Kg	1.0000	09/21/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 8	Date Collected: 09/14/2000	Time Collected: 13:20:00	Matrix: Soil
Description: 12-1820-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	SW-846 418.1	36800	mg/Kg	1000.0000	09/28/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 8	Date Collected: 09/14/2000	Time Collected: 13:20:00	Matrix: Soil
Description: 12-1820-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	2.04	mg/Kg	0.1250	09/15/2000	SCS
Toluene	SW-846 5030B/8021B	9.34	mg/Kg	0.1250	09/15/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	17.6	mg/Kg	0.1250	09/15/2000	SCS
Xylenes, total	SW-846 5030B/8021B	31.5	mg/Kg	0.1250	09/15/2000	SCS

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TEST RESULTS BY SAMPLE

Sample No.: 9	Date Collected: 09/14/2000	Time Collected: 13:35:00	Matrix: Soil
Description: 12-2325-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	SW-846 418.1	3050	mg/Kg	100.0000	09/28/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 9 Date Collected: 09/14/2000 Time Collected: 13:35:00 Matrix: Soil
Description: 12-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	<0.125	mg/Kg	0.1250	09/16/2000	SCS
Toluene	SW-846 5030B/8021B	0.362	mg/Kg	0.1250	09/16/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	1.41	mg/Kg	0.1250	09/16/2000	SCS
Xylenes, total	SW-846 5030B/8021B	2.72	mg/Kg	0.1250	09/16/2000	SCS

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TEST RESULTS BY SAMPLE

Sample No.: 9	Date Collected: 09/14/2000	Time Collected: 13:35:00	Matrix: Soil
Description: 12-2325-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 300.0	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Barium	SW-846 300.0	616	mg/Kg	5.0000	09/21/2000	KF
Cadmium	SW-846 300.0	<0.500	mg/Kg	0.5000	09/21/2000	KF
Chromium	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Lead	SW-846 300.0	<1.00	mg/Kg	1.0000	09/21/2000	KF
Selenium	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Silver	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Zinc	SW-846 300.0	2.81	mg/Kg	5.0000	09/21/2000	KF
Manganese	SW-846 300.0	13.5	mg/Kg	1.0000	09/21/2000	KF
Iron	SW-846 300.0	866	mg/Kg	1.0000	09/21/2000	KF
Copper	SW-846 300.0	1.94	mg/Kg	1.0000	09/21/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 9 Date Collected: 09/14/2000 Time Collected: 13:35:00 Matrix: Soil
Description: 12-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	SW-846 300.0	20.5	mg/Kg	0.1000	09/19/2000	KF
Chloride	SW-846 300.0	814	mg/Kg	0.1000	09/19/2000	KF
Sulfate	SW-846 300.0	52.1	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	SW-846 300.0	7.11	mg/Kg	0.1000	09/19/2000	KF
Nitrite	SW-846 300.0	8.82	mg/Kg	0.1000	09/19/2000	KF
Bicarbonate/Carbonate	SW-846 300.0	25.3/0.11	mg/Kg	1.0000	09/18/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 9 Date Collected: 09/14/2000 Time Collected: 13:35:00 Matrix: Soil
Description: 12-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 300.0	4,140	mg/Kg	1.0000	09/21/2000	KF
Potassium	SW-846 300.0	334	mg/Kg	1.0000	09/21/2000	KF
Magnesium	SW-846 300.0	16,347	mg/Kg	1.0000	09/21/2000	KF
Sodium	SW-846 300.0	869	mg/Kg	1.0000	09/21/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 10	Date Collected: 09/14/2000	Time Collected: 14:00:00	Matrix: Soil
Description: 12-2729-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	SW-846 418.1	12000	mg/Kg	1000.0000	09/28/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 10	Date Collected: 09/14/2000	Time Collected: 14:00:00	Matrix: Soil
Description: 12-2729-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.230	mg/Kg	0.1250	09/16/2000	SCS
Toluene	SW-846 5030B/8021B	1.36	mg/Kg	0.1250	09/16/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	8.04	mg/Kg	0.1250	09/16/2000	SCS
Xylenes, total	SW-846 5030B/8021B	15.4	mg/Kg	0.1250	09/16/2000	SCS

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TEST RESULTS BY SAMPLE

Sample No.: 10 Date Collected: 09/14/2000 Time Collected: 14:00:00 Matrix: Soil
Description: 12-2729-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 300.0	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Barium	SW-846 300.0	106	mg/Kg	5.0000	09/21/2000	KF
Cadmium	SW-846 300.0	<0.500	mg/Kg	0.5000	09/21/2000	KF
Chromium	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Lead	SW-846 300.0	1.53	mg/Kg	1.0000	09/21/2000	KF
Selenium	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Silver	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Zinc	SW-846 300.0	2.63	mg/Kg	1.0000	09/21/2000	KF
Manganese	SW-846 300.0	11.5	mg/Kg	1.0000	09/21/2000	KF
Iron	SW-846 300.0	1,341	mg/Kg	1.0000	09/21/2000	KF
Copper	SW-846 300.0	<1.00	mg/Kg	1.0000	09/21/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 10 Date Collected: 09/14/2000 Time Collected: 14:00:00 Matrix: Soil
Description: 12-2729-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	SW-846 300.0	16.6	mg/Kg	0.1000	09/19/2000	KF
Chloride	SW-846 300.0	587	mg/Kg	0.1000	09/19/2000	KF
Sulfate	SW-846 300.0	100	mg/Kg	1.0000	09/19/2000	KF
Nitrate-N	SW-846 300.0	0.743	mg/Kg	0.1000	09/19/2000	KF
Nitrite	SW-846 300.0	6.16	mg/Kg	0.1000	09/19/2000	KF
Bicarbonate/Carbonate	SW-846 300.0	46.9/0.20	mg/Kg	1.0000	09/18/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 10	Date Collected: 09/14/2000	Time Collected: 14:00:00	Matrix: Soil
Description: 12-2729-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 300.0	87,632	mg/Kg	1.0000	09/21/2000	KF
Potassium	SW-846 300.0	438	mg/Kg	1.0000	09/21/2000	KF
Magnesium	SW-846 300.0	13,465	mg/Kg	1.0000	09/21/2000	KF
Sodium	SW-846 300.0	659	mg/Kg	1.0000	09/21/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 11 Date Collected: 09/14/2000 Time Collected: 14:40:00 Matrix: Soil
Description: 10-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	65,506	mg/Kg	1.0000	10/10/2000	KF
Potassium	SW-846 3050B/6020	1,258	mg/Kg	1.0000	10/10/2000	KF
Magnesium	SW-846 3050B/6020	2,027	mg/Kg	1.0000	10/10/2000	KF
Sodium	SW-846 3050B/6020	462	mg/Kg	1.0000	10/10/2000	KF
Copper	SW-846 3050B/6020	3.95	mg/Kg	1.0000	10/10/2000	KF
Iron	SW-846 3050B/6020	4,436	mg/Kg	1.0000	10/10/2000	KF
Manganese	SW-846 3050B/6020	39.7	mg/Kg	1.0000	10/10/2000	KF
Zinc	SW-846 3050B/6020	11.1	mg/Kg	1.0000	10/10/2000	KF
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	10/09/2000	KF
Arsenic	SW-846 3050B/6010B	16.2	mg/Kg	5.0000	10/09/2000	KF
Barium	SW-846 3050B/6010B	111	mg/Kg	5.0000	10/09/2000	KF
Cadmium	SW-846 3050B/6010B	1.90	mg/Kg	0.5000	10/09/2000	KF
Chromium	SW-846 3050B/6010B	18.0	mg/Kg	5.0000	10/09/2000	KF
Lead	SW-846 3050B/6010B	7.09	mg/Kg	1.0000	10/09/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	10/09/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	10/09/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 11 Date Collected: 09/14/2000 Time Collected: 14:40:00 Matrix: Soil
Description: 10-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	25.1	mg/Kg	0.1000	10/04/2000	TW
Chloride	EPA 300.0	552	mg/Kg	0.1000	10/04/2000	TW
Sulfate	EPA 300.0	655	mg/Kg	1.0000	10/04/2000	TW
Nitrate-N	EPA 300.0	2.31	mg/Kg	0.1000	10/04/2000	TW
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	10/04/2000	TW
Bicarbonate/Carbonate	EPA 310.1	42.8/0.31	mg/Kg	1.0000	10/04/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 11 Date Collected: 09/14/2000 Time Collected: 14:40:00 Matrix: Soil

Description: 10-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	16900	mg/Kg	100.0000	10/11/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 12 Date Collected: 09/14/2000 Time Collected: 14:50:00 Matrix: Soil
Description: 10-0810-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	10/09/2000	KF
Arsenic	SW-846 3050B/6010B	17.8	mg/Kg	5.0000	10/09/2000	KF
Barium	SW-846 3050B/6010B	196	mg/Kg	5.0000	10/09/2000	KF
Cadmium	SW-846 3050B/6010B	2.22	mg/Kg	0.5000	10/09/2000	KF
Chromium	SW-846 3050B/6010B	114	mg/Kg	5.0000	10/09/2000	KF
Lead	SW-846 3050B/6010B	23.3	mg/Kg	1.0000	10/09/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	10/09/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	10/09/2000	KF
Calcium	SW-846 3050B/6020	23,278	mg/Kg	1.0000	10/10/2000	KF
Potassium	SW-846 3050B/6020	1,098	mg/Kg	1.0000	10/10/2000	KF
Magnesium	SW-846 3050B/6020	3,073	mg/Kg	1.0000	10/10/2000	KF
Sodium	SW-846 3050B/6020	902	mg/Kg	1.0000	10/10/2000	KF
Copper	SW-846 3050B/6020	3.65	mg/Kg	1.0000	10/10/2000	KF
Iron	SW-846 3050B/6020	6,867	mg/Kg	1.0000	10/10/2000	KF
Manganese	SW-846 3050B/6020	17.8	mg/Kg	1.0000	10/10/2000	KF
Zinc	SW-846 3050B/6020	163	mg/Kg	1.0000	10/10/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 12

Date Collected: 09/14/2000

Time Collected: 14:50:00

Matrix: Soil

Description: 10-0810-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	33.0	mg/Kg	0.1000	10/04/2000	TW
Chloride	EPA 300.0	1,087	mg/Kg	0.1000	10/04/2000	TW
Sulfate	EPA 300.0	47.1	mg/Kg	1.0000	10/04/2000	TW
Nitrate-N	EPA 300.0	<0.100	mg/Kg	0.1000	10/04/2000	TW
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	10/04/2000	TW
Bicarbonate/Carbonate	EPA 310.1	41.8/0.18	mg/Kg	1.0000	10/04/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 12

Date Collected: 09/14/2000

Time Collected: 14:50:00

Matrix: Soil

Description: 10-0810-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	846	mg/Kg	10.0000	10/11/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 13	Date Collected: 09/14/2000	Time Collected: 15:00:00	Matrix: Soil
Description: 10-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.379	mg/Kg	0.1250	09/16/2000	SCS
Toluene	SW-846 5030B/8021B	0.380	mg/Kg	0.1250	09/16/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	8.24	mg/Kg	0.1250	09/16/2000	SCS
Xylenes, total	SW-846 5030B/8021B	17.6	mg/Kg	0.1250	09/16/2000	SCS

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TEST RESULTS BY SAMPLE

Sample No.: 13	Date Collected: 09/14/2000	Time Collected: 15:00:00	Matrix: Soil
Description: 10-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	SW-846 418.1	27100	mg/Kg	1000.0000	09/28/2000	MAT

Report No.: 2000090088

11/03/2000

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TEST RESULTS BY SAMPLE

Sample No.: 13 Date Collected: 09/14/2000 Time Collected: 15:00:00 Matrix: Soil
Description: 10-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 300.0	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Barium	SW-846 300.0	39.1	mg/Kg	5.0000	09/21/2000	KF
Cadmium	SW-846 300.0	<0.500	mg/Kg	0.5000	09/21/2000	KF
Chromium	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Lead	SW-846 300.0	2.40	mg/Kg	1.0000	09/21/2000	KF
Selenium	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Silver	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Zinc	SW-846 300.0	4.29	mg/Kg	1.0000	09/21/2000	KF
Manganese	SW-846 300.0	16.3	mg/Kg	1.0000	09/21/2000	KF
Iron	SW-846 300.0	3,250	mg/Kg	1.0000	09/21/2000	KF
Copper	SW-846 300.0	<1.00	mg/Kg	1.0000	09/21/2000	KF

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11/03/2000

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TEST RESULTS BY SAMPLE

Sample No.: 13 Date Collected: 09/14/2000 Time Collected: 15:00:00 Matrix: Soil
Description: 10-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	SW-846 300.0	34.3	mg/Kg	0.1000	09/19/2000	KF
Chloride	SW-846 300.0	248	mg/Kg	0.1000	09/19/2000	KF
Sulfate	SW-846 300.0	100	mg/Kg	1.0000	09/19/2000	KF
Nitrate-N	SW-846 300.0	2.09	mg/Kg	0.1000	09/19/2000	KF
Nitrite	SW-846 300.0	5.34	mg/Kg	0.1000	09/19/2000	KF
Bicarbonate/Carbonate	SW-846 300.0	104/0.75	mg/Kg	1.0000	09/18/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 13 Date Collected: 09/14/2000 Time Collected: 15:00:00 Matrix: Soil
Description: 10-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 300.0	84,721	mg/Kg	1.0000	09/21/2000	KF
Potassium	SW-846 300.0	1,188	mg/Kg	1.0000	09/21/2000	KF
Magnesium	SW-846 300.0	3,742	mg/Kg	1.0000	09/21/2000	KF
Sodium	SW-846 300.0	730	mg/Kg	1.0000	09/21/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 14 Date Collected: 09/14/2000 Time Collected: 15:15:00 Matrix: Soil
Description: 10-1820-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.325	mg/Kg	0.1250	09/16/2000	SCS
Toluene	SW-846 5030B/8021B	0.145	mg/Kg	0.1250	09/16/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	4.61	mg/Kg	0.1250	09/16/2000	SCS
Xylenes, total	SW-846 5030B/8021B	8.46	mg/Kg	0.1250	09/16/2000	SCS

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TEST RESULTS BY SAMPLE

Sample No.: 14	Date Collected: 09/14/2000	Time Collected: 15:15:00	Matrix: Soil
Description: 10-1820-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	SW-846 418.1	12800	mg/Kg	1000.0000	09/28/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 15	Date Collected: 09/14/2000	Time Collected: 15:25:00	Matrix: Soil
Description: 10-2325	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	1.69	mg/Kg	0.1250	09/16/2000	SCS
Toluene	SW-846 5030B/8021B	0.336	mg/Kg	0.1250	09/16/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	9.12	mg/Kg	0.1250	09/16/2000	SCS
Xylenes, total	SW-846 5030B/8021B	15.5	mg/Kg	0.1250	09/16/2000	SCS

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TEST RESULTS BY SAMPLE

Sample No.: 15	Date Collected: 09/14/2000	Time Collected: 15:25:00	Matrix: Soil
Description: 10-2325	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	SW-846 418.1	25200	mg/Kg	1000.0000	09/28/2000	MAT

Report No.: 2000090088

11/03/2000

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TEST RESULTS BY SAMPLE

Sample No.: 15	Date Collected: 09/14/2000	Time Collected: 15:25:00	Matrix: Soil
Description: 10-2325	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 300.0	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Barium	SW-846 300.0	154	mg/Kg	5.0000	09/21/2000	KF
Cadmium	SW-846 300.0	<0.500	mg/Kg	0.5000	09/21/2000	KF
Chromium	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Lead	SW-846 300.0	1.79	mg/Kg	1.0000	09/21/2000	KF
Selenium	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Silver	SW-846 300.0	<5.00	mg/Kg	5.0000	09/21/2000	KF
Zinc	SW-846 300.0	7.28	mg/Kg	1.0000	09/21/2000	KF
Manganese	SW-846 300.0	24.0	mg/Kg	1.0000	09/21/2000	KF
Iron	SW-846 300.0	2,168	mg/Kg	1.0000	09/21/2000	KF
Copper	SW-846 300.0	2.39	mg/Kg	1.0000	09/21/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 15 Date Collected: 09/14/2000 Time Collected: 15:25:00 Matrix: Soil

Description: 10-2325 Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	SW-846 300.0	19.0	mg/Kg	0.1000	09/19/2000	KF
Chloride	SW-846 300.0	281	mg/Kg	0.1000	09/19/2000	KF
Sulfate	SW-846 300.0	85.7	mg/Kg	1.0000	09/19/2000	KF
Nitrate-N	SW-846 300.0	2.17	mg/Kg	0.1000	09/19/2000	KF
Nitrite	SW-846 300.0	5.19	mg/Kg	0.1000	09/19/2000	KF
Bicarbonate/Carbonate	SW-846 300.0	43.8/0.32	mg/Kg	1.0000	09/18/2000	KF

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11/03/2000

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TEST RESULTS BY SAMPLE

Sample No.: 15 Date Collected: 09/14/2000 Time Collected: 15:25:00 Matrix: Soil
Description: 10-2325 Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 300.0	127,501	mg/Kg	1.0000	09/21/2000	KF
Potassium	SW-846 300.0	939	mg/Kg	1.0000	09/21/2000	KF
Magnesium	SW-846 300.0	10,459	mg/Kg	1.0000	09/21/2000	KF
Sodium	SW-846 300.0	705	mg/Kg	1.0000	09/21/2000	KF

QC SUMMARY REPORT

BTEX by EPA Method 8021B - Soil

QC Batch ID: 0020352

Laboratory Control Sample (LCS/LCSD)

Method Blank Results

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		LCSD		LCS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
Benzene	<0.125	2.50	2.13	85.2%	2.35	94.0%	10%	± 30	70 - 130
Toluene	<0.125	2.50	2.27	90.8%	2.22	88.8%	2%	± 30	70 - 130
Ethylbenzene	<0.125	2.50	2.34	93.6%	2.45	98.0%	5%	± 30	70 - 130
Xylenes, total	<0.125	7.50	6.82	90.9%	7.43	99.1%	9%	± 30	70 - 130

Sample Matrix Spikes (MS/MSD)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		MSD		MS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
Benzene	<0.125	2.73	3.05	111.7%	3.19	116.8%	4%	± 30	65 - 135
Toluene	<0.125	3.86	4.81	124.6%	4.57	118.4%	5%	± 30	65 - 135
Ethylbenzene	<0.125	10.54	12.10	114.8%	11.30	107.2%	7%	± 30	65 - 135
Xylenes, Total	<0.125	22.90	25.30	110.5%	21.70	94.8%	15%	± 30	65 - 135

Sequence Date(s): 9/8/00

Batch Extraction/Prep Date: 9/7/00

Sample ID - MS/MSD: 2000090088-1

Data Qualifiers:

Project(s) In Batch:

2000090084

2000090088

QC SUMMARY REPORT

QC Batch ID: 000928

TPH by 418.1

Laboratory Control Sample (LCS/LCSD)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		LCSD		LCS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
418.1	<10.0	500	435	87.0%	442	88.4%	2%	± 30	70 - 130

Sample Matrix Spikes (MS/MSD)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		MSD		MS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
418.1	<10.0	500	406	81.2%	419	83.8%	3%	± 30	70 - 130

Sequence Date(s): 9/28/2000

Batch Extraction/Prep Date: 9/28/2000

Data Qualifiers: NONE - associated with this batch of samples.

Sample Spiked: 2000090086-3

Project(s) In Batch: 2000090085
2000090086

2000090088

QC SUMMARY REPORT

QC Batch ID: 001011s

TPH by 418.1

Laboratory Control Sample (LCS/LCSD)

Method Blank Results

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		LCSD		LCS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
418.1	<10.0	500	425	85.0%	411	82.2%	3%	± 30	70 - 130

Sequence Date(s): 10/11/2000

Batch Extraction/Prep Date: 10/11/2000

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090088

QC SUMMARY REPORT

QC Batch ID: 0050037

Semi-Volatile Organic Compounds by GC/MS - Soil

Laboratory Control Sample (LCS/LCSD)

Method Blank Results

CONSTITUENT	Method Blank Result (ppm)	Spike Added (ppm)	LCS		LCSD		LCS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
Acenaphthene	<0.330	1.670	0.712	42.6%	0.699	41.9%	2%	+ 30	40 - 130
1,4-Dichlorobenzene	<0.330	1.670	0.706	42.3%	0.723	43.3%	2%	+ 30	40 - 130
2,4-Dinitrotoluene	<0.330	1.670	0.969	58.1%	0.901	53.9%	7%	+ 30	40 - 130
N-Nitrosodi-n-propylamine	<0.330	1.670	0.770	46.1%	0.667	40.0%	14%	+ 30	40 - 130
Pyrene	<0.330	1.670	0.751	44.9%	0.719	43.1%	4%	+ 30	40 - 130
1,2,4-Trichlorobenzene	<0.330	1.670	0.759	45.5%	0.746	44.7%	2%	+ 30	40 - 130
2-Chlorophenol	<0.330	1.670	0.670	40.1%	0.702	42.0%	5%	+ 30	40 - 130
4-Chloro-3-methylphenol	<0.330	1.670	0.946	56.6%	0.948	56.8%	0%	+ 30	40 - 130
4-Nitrophenol	<0.330	1.670	0.818	49.0%	0.931	55.7%	13%	+ 30	40 - 130
Pentachlorophenol	<0.330	1.670	0.981	58.8%	1.097	65.7%	11%	+ 30	40 - 130
Phenol	<0.330	1.670	0.779	46.6%	0.830	49.7%	6%	+ 30	40 - 130

Sample Matrix Spikes (MS/MSD)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		MSD		MS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
Acenaphthene	<0.330	1.670	0.271	16.2%	0.346	20.7%	24%	+ 30	40 - 130
1,4-Dichlorobenzene	<0.330	1.670	0.000	0.0%	0.340	20.4%	200%	+ 30	40 - 130
2,4-Dinitrotoluene	<0.330	1.670	0.000	0.0%	0.023	1.4%	200%	+ 30	40 - 130
N-Nitrosodi-n-propylamine	<0.330	1.670	0.157	9.4%	0.244	14.6%	44%	+ 30	40 - 130
Pyrene	<0.330	1.670	0.450	27.0%	0.514	30.8%	13%	+ 30	40 - 130
1,2,4-Trichlorobenzene	<0.330	1.670	0.401	24.0%	0.462	27.7%	14%	+ 30	40 - 130
2-Chlorophenol	<0.330	1.670	0.152	9.1%	0.244	14.6%	47%	+ 30	40 - 130
4-Chloro-3-methylphenol	<0.330	1.670	0.188	11.2%	0.251	15.0%	29%	+ 30	40 - 130
4-Nitrophenol	<0.330	1.670	0.000	0.0%	0.000	0.0%	0%	+ 30	40 - 130
Pentachlorophenol	<0.330	1.670	0.000	0.0%	0.777	46.5%	200%	+ 30	40 - 130
Phenol	<0.330	1.670	0.000	0.0%	0.371	22.2%	200%	+ 30	40 - 130

Sample Spiked: 2000090128-17

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090088

2000090128

2000090126

QC SUMMARY REPORT

QC Batch ID: 92100

Metals by EPA Method 6020

Mercury by Method 7471A

Laboratory Control Sample (LCS)

Method Blank Results

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Calcium	0.066	1.00	0.961	96.0%	75 - 125
Copper	0.002	0.020	0.017	83.0%	75 - 125
Arsenic	<DL	1.00	0.850	85.0%	75 - 125
Barium	0.001	1.00	0.838	84.0%	75 - 125
Zinc	0.012	1.00	0.758	76.0%	75 - 125
Cadmium	<DL	0.02	0.018	88.0%	75 - 125
Chromium	<DL	1.00	0.845	85.0%	75 - 125
Iron	0.222	1.00	0.826	83.0%	75 - 125
Lead	0.002	1.00	1.128	113.0%	75 - 125
Potassium	0.058	50.00	47.199	94.0%	75 - 125
Mercury	0.038	0.10	0.147	109.0%	75 - 125
Magnesium	0.016	1.00	1.176	118.0%	75 - 125
Sodium	0.098	50.00	57.879	116.0%	75 - 125
Selenium	<DL	0.02	0.017	87.0%	75 - 125
Manganese	0.001	1.00	0.978	98.0%	75 - 125
Silver	0.001	0.03	0.030	101.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Calcium	127,501	1.00	127,501	0.0%	75 - 125
Copper	2.39	1.00	2.952	56.0%	75 - 125
Arsenic	<5.00	1.00	3.766	80.0%	75 - 125
Barium	154	1.00	154.277	28.0%	75 - 125
Zinc	7.28	1.00	7.868	59.0%	75 - 125
Cadmium	<5.00	1.00	0.706	66.0%	75 - 125
Chromium	<5.00	1.00	5.632	74.0%	75 - 125
Iron	2,168	1.00	2,172	424.0%	75 - 125
Lead	1.79	1.00	2.805	102.0%	75 - 125
Potassium	939	1.00	940.725	172.0%	75 - 125
Mercury	<0.200	0.25	0.242	97.0%	75 - 125
Magnesium	10,459	1.00	10,472	1339.0%	75 - 125
Sodium	705	1.00	707	172.0%	75 - 125
Selenium	<5.00	1.00	0.717	56.0%	75 - 125
Manganese	24.0	1.00	24.926	93.0%	75 - 125
Silver	<5.00	1.00	0.271	23.0%	75 - 125

Sequence Date(s): 9/21/00

Batch Extraction/Prep Date:

9/20/00

Sample ID - MS/MSD: 2000090088-15

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090088

QC SUMMARY REPORT

QC Batch ID: 92100

Metals by EPA Method 6020

Mercury by Method 7471A

Laboratory Control Sample (LCS)

Method Blank Results

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Calcium	0.066	1.00	0.961	96.0%	75 - 125
Copper	0.002	0.020	0.017	83.0%	75 - 125
Arsenic	<DL	1.00	0.850	85.0%	75 - 125
Barium	0.001	1.00	0.838	84.0%	75 - 125
Zinc	0.012	1.00	0.758	76.0%	75 - 125
Cadmium	<DL	0.02	0.018	88.0%	75 - 125
Chromium	<DL	1.00	0.845	85.0%	75 - 125
Iron	0.222	1.00	0.826	83.0%	75 - 125
Lead	0.002	1.00	1.128	113.0%	75 - 125
Potassium	0.058	50.00	47.199	94.0%	75 - 125
Mercury	0.038	0.10	0.147	109.0%	75 - 125
Magnesium	0.005	1.00	0.928	93.0%	75 - 125
Sodium	0.098	50.00	57.879	116.0%	75 - 125
Selenium	<DL	0.02	0.017	87.0%	75 - 125
Manganese	0.001	1.00	0.978	98.0%	75 - 125
Silver	0.001	0.03	0.030	101.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Calcium	127,043	1.00	128,275	1232.0%	75 - 125
Copper	1.10	1.00	1.667	57.0%	75 - 125
Arsenic	<5.00	1.00	4.742	86.0%	75 - 125
Barium	106	1.00	106.608	61.0%	75 - 125
Zinc	5.34	1.00	5.954	61.0%	75 - 125
Cadmium	<0.500	1.00	0.818	69.0%	75 - 125
Chromium	<5.00	1.00	2.409	72.0%	75 - 125
Iron	1636	1.00	1636	0.0%	75 - 125
Lead	1.98	1.00	3.029	105.0%	75 - 125
Potassium	699	1.00	699.713	71.0%	75 - 125
Mercury	<0.200	0.25	0.262	105.0%	75 - 125
Magnesium	6420	1.00	8026	1606.0%	75 - 125
Sodium	1288	1.00	1293	560.0%	75 - 125
Selenium	<5.00	1.00	0.776	60.0%	75 - 125
Manganese	33.7	1.00	34.515	82.0%	75 - 125
Silver	<5.00	1.00	0.438	40.0%	75 - 125

Sequence Date(s): 9/21/00

Batch Extraction/Prep Date:

9/20/00

Sample ID - MS/MSD: 2000090086-3

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090085
2000090086
2000090088

QC SUMMARY REPORT

QC Batch ID: RCRA 10-09 & 101000

Metals by EPA Method 6010B & 6020

Mercury by Method 7471A

Laboratory Control Sample (LCS)**Method Blank Results**

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Arsenic	0.073	1.00	0.874	87.0%	75 - 125
Barium	0.032	1.00	0.839	84.0%	75 - 125
Cadmium	0.019	1.00	0.815	81.0%	75 - 125
Chromium	0.020	1.00	0.785	79.0%	75 - 125
Lead	0.046	1.00	0.802	80.0%	75 - 125
Mercury	0.015	0.10	0.110	95.0%	75 - 125
Selenium	0.059	1.00	0.830	83.0%	75 - 125
Silver	<DL	1.00	1.063	106.0%	75 - 125
Manganese	0.002	1.00	0.776	78.0%	75 - 125
Sodium	0.096	1.00	1.097	110.0%	75 - 125
Magnesium	0.054	1.00	0.909	91.0%	75 - 125
Potassium	0.073	1.00	0.860	86.0%	75 - 125
Calcium	0.014	1.00	0.990	99.0%	75 - 125
Copper	0.002	1.00	0.758	76.0%	75 - 125
Zinc	<DL	0.02	0.023	117.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Arsenic	16.2	1.00	17.031	83.0%	75 - 125
Barium	111	1.00	112.165	117.0%	75 - 125
Cadmium	1.90	1.00	2.639	74.0%	75 - 125
Chromium	18.00	1.00	18.808	81.0%	75 - 125
Lead	7.09	1.00	7.856	77.0%	75 - 125
Mercury	<0.200	0.25	0.262	54.0%	75 - 125
Selenium	<5.00	1.00	0.482	48.0%	75 - 125
Silver	<5.00	1.00	0.266	27.0%	75 - 125
Manganese	39.7	1.00	40.118	42.0%	75 - 125
Sodium	462	1.00	462.483	48.0%	75 - 125
Magnesium	2,027	1.00	2028.6	161.0%	75 - 125
Potassium	1,258	1.00	1258.5	51.0%	75 - 125
Calcium	65,506	1.00	65545	4040.0%	75 - 125
Copper	3.95	1.00	4.303	35.0%	75 - 125
Zinc	11.1	1.00	11.4536	35.0%	75 - 125

Sequence Date(s): 10/10/00

Batch Extraction/Prep Date:

10/9/00

Sample ID - MS/MSD: 2000090088-11

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090088
2000090180

QC SUMMARY REPORT

QC Batch ID: 91900

Anions by EPA Method 300.0

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Fluoride	<DL	10.00	9.359	94.0%	75 - 125
Chloride	<DL	50.00	44.656	90.0%	75 - 125
Nitrite	<DL	15.00	16.598	111.0%	75 - 125
Nitrate	<DL	10.00	10.064	101.0%	75 - 125
Sulfate	<DL	50.00	43.801	88.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Fluoride	20.5	10.00	20.5	0.0%	75 - 125
Chloride	814	10.00	1328	5140.0%	75 - 125
Nitrite	8.82	10.00	8.820	0.0%	75 - 125
Nitrate	7.11	10.00	7.110	0.0%	75 - 125
Sulfate	52.1	10.00	52.100	0.0%	75 - 125

Sequence Date(s): 9/19/00

Batch Extraction/Prep Date:

9/19/00

Sample ID - MS/MSD: 2000090088-9

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090088

QC SUMMARY REPORT

QC Batch ID: 100400

Anions by EPA Method 300.0

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Fluoride	<DL	10.00	9.526	95.0%	75 - 125
Chloride	<DL	50.00	46.605	93.0%	75 - 125
Nitrite	<DL	15.00	14.047	94.0%	75 - 125
Nitrate	<DL	10.00	11.176	112.0%	75 - 125
Sulfate	<DL	50.00	47.178	94.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Fluoride	25.1	10.00	31.89	68.0%	75 - 125
Chloride	552	10.00	559.26	73.0%	75 - 125
Nitrite	<0.100	10.00	9.971	100.0%	75 - 125
Nitrate	2.31	10.00	7.625	52.0%	75 - 125
Sulfate	655	10.00	655	0.0%	75 - 125

Sequence Date(s): 10/4/00

Batch Extraction/Prep Date:

10/4/00

Sample ID - MS/MSD: 2000090088-11

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090088

QC SUMMARY REPORT

QC Batch ID: 100400

Alkalinity - Bicarbonate/Carbonate by EPA Method 310.1

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria
			Result (ppm)	Recovery (%)	Spike % Recovery (Low - High Limit)
Alkalinity	1.00	79.42	76.00	96.0%	80 - 120

Sample/Sample Duplicate

CONSTITUENT	Sample Result (ppm)	Sample Dup (ppm)	Dup	QC Acceptance Criteria
			Recovery (%)	% Recovery (Low - High Limit)
Alkalinity	88.00	90.00	99.0%	75 - 125

Sequence Date(s): 10/4/00

Batch Extraction/Prep Date:

10/4/00

Sample ID - Sample/Dup 2000090088-11

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090088

QC SUMMARY REPORT

QC Batch ID: 91800

Alkalinity - Bicarbonate/Carbonate by EPA Method 310.1

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria
			Result (ppm)	Recovery (%)	Spike % Recovery (Low - High Limit)
Alkalinity	1.00	79.42	79.00	99.0%	80 - 120

Sample/Sample Duplicate

CONSTITUENT	Sample Result (ppm)	Sample Dup (ppm)	Dup	QC Acceptance Criteria
			Recovery (%)	% Recovery (Low - High Limit)
Alkalinity	90.00	98.00	104.0%	75 - 125

Sequence Date(s): 9/18/00

Batch Extraction/Prep Date:

9/18/00

Sample ID - Sample/Dup 2000090088-15

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090088

QC SUMMARY REPORT

QC Batch ID: 91800

Alkalinity - Bicarbonate/Carbonate by EPA Method 310.1

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Alkalinity	1.00	79.42	77.00	97.0%	80 - 120

Sample/Sample Duplicate

CONSTITUENT	Sample Result (ppm)	Sample Dup (ppm)	Dup	QC Acceptance Criteria % Recovery (Low - High Limit)
			Recovery (%)	
Alkalinity	96.00	100.00	102.0%	75 - 125

Sequence Date(s): 9/18/00

Batch Extraction/Prep Date:

9/18/00

Sample ID - Sample/Dup 2000090086-1

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090086
2000090088

Laboratory Order Variance & Documentation Tracking Form
MILLENNIUM Laboratories, Inc.

Sample Log-In Check List

☐ No problems were detected during the log-in for the sampling event received.

☐ Please see the item(s) checked below.

Problem(s) related to Shipping and Handling of Coolers & Documentation

- ☐ Shipping/Cooler Custody Seal was damaged
☐ Sample(s) received without refrigeration/cool ($> 4^{\circ}\text{C}$)
☒ Sample(s) were damaged during shipping (see note below)
☐ Documentation incomplete or missing (see note below)

Problem(s) related to specific sections of the Chain of Custody

- ☐ Report To:
☐ Billing information:
☐ Project information:
☐ Collection Date/Time:
☐ Sample Matrix
☐ Analytical Requested:
☒ Broken/Missing Sample(s): 12-1315-A (both jars)

Corrective Action Taken: leaving 2 jars for analysis;

12-2325-A (1 jar) leaving 2 for analysis;

12-2725-A (1 jar) leaving 2 for analysis

Sample Control

Coordinator: _____ Date: _____ Approved by: [Signature]

MILLENNIUM Labs - Project Number

2000- 090088

Date Rec'd 9-15

Date Due: 9-29

Rush ☐

Client

Project No: ES 705

Site: Hobbs

Project Mgr: Mike Ambisio

Phone: _____

Report Tracking

Report Type	ML Staff Initials	Date completed
<u>Faxed Rpt.</u>		☐ No Fax Required
Case Narrative Completed		
Final Rpt. Mailed		

Quality Assurance Tracking

Add'l Item(s) client has for this sampling event	Quality Assurance Req'd	QA/QC Filed Initials/Date	Variance Filed Initials/Date
<u>TPH 418</u> <u>Gen. Chem.</u>	☒ BTEX or BTEX/MTBE		
	☐ TPH (TX1005)		
	☐ Nitrate/Sulfate		
	☒ Metals		
	☐ VOCs by GC-MS		
	☐ SVOC by GC-MS		
	☐ PAH		
	☐ Pesticides		
	☐ Herbicides		
	☐ PCBs		

Analytical Parameters Added:

☐ PAH	Analyzed Sample #		
☐ _____	Analyzed Sample #		
☐ _____	Analyzed Sample #		
☐ _____	Analyzed Sample #		

Sub-contracted Analyses

OTECHS ML# _____ Sent: _____ Rec'd: _____ Lab: _____

INVOICE Tracking

☐ FUNDED Project (verify billing address)
☐ CASH Project
☐ Other: _____

RUSH FEES ☐ Yes ☐ No

Date Invoice Printed	
Invoice Number	
Invoice Amount	

Invoice Created By: _____

☐ Mailed with Report to Project Manager
☐ Other: _____

Notes: _____

Samples are Hot !!

REPORT TO:		BILLING INFORMATION		PROJECT INFORMATION		LAB USE ONLY	
Company	Enercon	PO No.:		Project Number	ES 705	2000 - 090088	Page Number: Each Chain PER PROJECT ONLY
Mailing Address		☐ Invoice per Fee Schedule Established for our firm:		Site Name (limited to 20 characters):	Hobbs	☐ PAH-Soil: If, C ₆ -C ₂₈ total > 100 ppm;	Analyze one sample with the highest C ₁₀ -C ₂₈ concentration
City	ST: Zip:	☒ Special Project: Invoice as per project quote: Please attach quotation				☐ PAH-Water: If, C ₆ -C ₂₈ total > 5.0 ppm;	
Phone	713-941-0401	☐ Direct Billing-Third Party: Attach sheet or use Remarks section for details		Sampled by:	M. Amabisco	☐ TDS: Analyze the cleanest sampling point based on TPH-total; If TDS is non-detect, select sample with lowest aromatic content (total BTEX)	
Fax Phone	713-941-0402	☐ Priority Project: Lab is Authorized to Invoice for RUSH FEES		Print Name(s) Below:		☐ TCLP-Metals: Based on Total Metals results; run TCLP Extraction on samples with parameters which exceed 20 times the TCLP Limits	
Report Attn:	MIKE AMABISCO	Send Invoice To:	☒ Project Manager ☐ See Remarks	1.	M. Amabisco	☐ TCLP-Volatiles: Based on VOC results; run TCLP Extraction on samples with compounds which exceed: (attach sheet or use Remarks section)	

Remarks:		Turnaround Time														Additional Parameters		Comments		Total Number of Bottles per Location	
All samples HAVE strong ODOR		☐ 5 Working Days ☐ Other:														WACC KTL GEN dom Hold		Please use space below or attach additional sheet(s)			
Lab No.	Sample Identification	Collected Date	Time	Matrix W S X G C	Method	Total Lead 6010B	BTEX-MTBE 8021	TPH 1005 418.3-80	(8) RCRA Metals	Volatile Organics 826	Semi-Volatiles 8270	PAH 8310 8100 82	Pesticides 8081	Herbicides 8151							
1	11-0305-A	9/14/00	1040	X	X		X	X							X	X			3		
2	11-0810-A	9/14/00	1045	X	X			X							X	X			1		
3	11-1315-A	9/14/00	1050	X	X		X	X							X	X			3		
4	11-2325-A	9/14/00	1125	X	X			X							X	X			2		
5	12-0305-A	9/14/00	1245	X	X			X							X	X			2		
6	12-0810-A	9/14/00	1255	X	X			X							X	X			1 per		
7	12-1315-A	9/14/00	1310	X	X		X	X			X				X	X			34		
	12-1315-A	9/14/00	1350	X	X														1		
8	12-1820-A	9/14/00	1320	X	X		X	X							X	X			2		
9	12-2325-A	9/14/00	1335	X	X		X	X							X	X			3		
10	12-2724-A	9/14/00	1400	X	X		X	X							X	X			3		
11	10-0305-A	9/14/00	1440	X	X			X							X	X	X		2		
12	10-0810-A	9/14/00	1450	X	X		X	X			X				X	X	X		4		
13	10-1315-A	9/14/00	1500				X	X							X	X			3		
14	10-1820-A	9/14/00	1515	X	X		X	X											2		
Relinquished by		Date:		Time:		Received by:		Date:		Time:		Condition of Sample(s) Rec'd At Lab									
Relinquished by		Date:		Time:		Received by:		Date:		Time:		Custody Seal Intact		☒ Yes ☐ No							
Relinquished by		Date:		Time:		Received At Millennium Labs by:		Date:		Time:		Sample(s) Rec'd Iced/Cool		☒ Yes ☐ No							
Method of Shipment: [see back copy for shipping address & instructions]																					
☐ Greyhound Express		☒ Next-day Air FedEx-UPS		☐ Contract Courier		☐ Laboratory Personnel		☐ OTC-Delivery From Client													

Chain-of-Custody Record

Millennium Labs - Project Number

Page 4 of 4

Page Number Each Chain
PER PROJECT ONLY

REPORT TO:			BILLING INFORMATION			PROJECT INFORMATION			LAB USE ONLY												
Company	Emercon		PO No.:			Project Number	ES705		2000 - 020048												
Mailing Address			☐	Invoice per Fee Schedule Established for our firm:		Site Name (limited to 20 characters):			☐ PAH-Soil: If, C ₆ -C ₂₈ total > 100 ppm; Analyze one sample with the highest C ₁₀ -C ₂₈ concentration												
City	ST: Zip:		☒	Special Project: Invoice as per project quote: Please attach quotation		Hobbs			☐ PAH-Water: If, C ₆ -C ₂₈ total > 5.0 ppm;												
Phone	713-941-0401		☐	Direct Billing-Third Party: Attach sheet or use Remarks section for details		Sampled by:			☐ TDS: Analyze the cleanest sampling point based on TPH-total; if TPH is non-detect; select sample with lowest aromatic content (total BTEX)												
Fax Phone	713-941-0402		☐	Priority Project - Lab is Authorized to invoice for RUSH FEES		Print Name(s) Below			☐ TCLP-Metals: Based on Total Metals results; run TCLP Extraction parameters which exceed 20 times the TCLP Limits												
Report Attn:	MIKE AMABISCO		Send Invoice To:	☒ Project Manager	☐ See Remarks	1. M. AMABISCO			☐ TCLP-Volatiles: Based on VOC results; run TCLP Extraction on samples with compounds which exceed: [attach sheet or use remarks section]												
Remarks:			Turnaround Time						Additional Parameters												
All samples have strong odor			☐ 5 Working Days						WACC-MTL												
			☐ Other:						GEN CHEM												
			days																		
Lab No.	Sample Identification		Collected		Matrix		Method		Total Lead 6010B	BTEX/MTBE 8021	TPH 1005 418.180	(8) RCRA Metals	Volatile Organics 826	Semi-Volatiles 8270	PAH 8310 8100 82	Pesticides 8081	Herbicides 8151	Comments		Total Number of Bottles per Location	
			Date	Time	W	S	X	Q	C												
15	10-2325		9/14/00	1525			X	X		X	X								X	X	3
Relinquished by			Date:		Time:		Received by:			Date:		Time:		Condition of Sample(s) Rec'd At Lab							
Relinquished by			Date:		Time:		Received by:			Date:		Time:		Custody Seal Intact ☐ Yes ☐ No							
Relinquished by			Date:		Time:		Received At Millennium Labs by:			Date:		Time:		Sample(s) Rec'd Iced/Cool ☐ Yes ☐ No							
Method of Shipment: [see back copy for shipping address & instructions]															Temperature of Sample(s):						
☐ Greyhound Express			☒ Next-day Air FedEx-UPS			☐ Contract Courier			☐ Laboratory Personnel			☐ OTC-Delivery From Client			9-15-00 9:22						

MILLENNIUM Laboratories, Inc.

1544 SAWDUST ROAD * SUITE 402 * THE WOODLANDS, TEXAS 77380 * 281-362-8490

CLIENT: Mike Amabisco
Enercon
8866 Gulf Freeway, Suite 380
Houston, TX 77017

Report No.: 2000090126
Report Date: 11/03/2000

Phone: 713-941-0401

Fax: 713-941-0402

Project Name: Hobbs
Project Number: ES 705
Received: 09/18/2000

Sampled by: Mike Amabisco

Lab Number

2000090126-1
2000090126-2
2000090126-3
2000090126-4
2000090126-5
2000090126-6
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2000090126-26

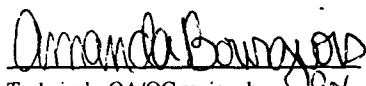
Sample Identification

13-0305-A
13-0810-A
13-1315-A
13-1820-A
13-2325-A
13-2830-A
9-0810-A
9-1315-A
9-1315-B
9-1820-A
9-2325-A
14-0305-A
14-0810-A
14-1315-A
14-1820-A
14-1820-B
14-2325-A
14-2325-B
15-0305-A
15-0810-A
15-0810-B
15-1315-A
15-1315-B
15-1820-A
15-2325-A
15-2325-B

REVISED

Our letters and reports are for the exclusive use of the client to whom they are addressed and shall not be reproduced except in full with out the approval of the testing laboratory. The use of our name must receive our prior written approval. Our letters and reports apply only to the samples tested and are not necessarily indicative of the qualities of apparently identical or similar samples.

MILLENNIUM LABORATORIES, Inc.


Technical - QA/QC review by: 
Matt Soren/Theresa Sorelle


Gina M. Tatosian



**MILLENNIUM
LABORATORIES, INC.**

October 5, 2000

Enercon
Mike Amabisco
8866 Gulf Freeway, Suite 380
Houston, TX 77017

Millennium Labs Order Number: 2000090126
Project Name: Hobbs
Project Number: ES 705

Dear Mr. Amabisco:

Enclosed you find the results of the samples submitted to Millennium Laboratories on 09/18/00 from the site referenced above.

Your sample "15-2325-A" (Millennium ID: 2000090126-25) was randomly chosen for use in Millennium's Quality Control Program for Metals by method 6020. The Matrix Spike recovery was outside the quality control limit for several analytes, due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as part of the analytical batch and all recoveries were within acceptable limits.

Your sample "9-2325-A" (Millennium ID: 2000090126-11) was randomly chosen for use in Millennium's Quality Control Program for Metals analysis by method 6020. The Matrix Spike recovery was outside the quality control limit for several analytes, due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as part of the analytical batch and all recoveries were within acceptable limits.

Your sample "13-315-A" (Millennium ID: 2000090126-3) was randomly chosen for use in Millennium's Quality Control Program for Anions analysis by method 300.0. The Matrix Spike recovery was outside the quality control limit for several analytes, due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as part of the analytical batch and all recoveries were within acceptable limits.

Your sample "14-1315-A" (Millennium ID: 2000090126-14) was randomly chosen for use in Millennium's Quality Control Program for Anions analysis by method 300.0. The Matrix Spike recovery was outside the quality control limit for several analytes, due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as part of the analytical batch and all recoveries were within acceptable limits.

All procedures and analyses have been reviewed and meet the Quality Control limits established at Millennium Laboratories.



**MILLENNIUM
LABORATORIES, INC.**

This report retains its validity and integrity only when reported in full and accompanied by this letter. Any other use of this report must be granted, in writing, by Millennium Laboratories. All samples pertaining to this Order Number will be disposed of 60 days after the date of receipt, unless otherwise arranged in writing.

Please do not hesitate to contact us if you have any questions or comments concerning this report. Please reference the above Work Order Number.

Sincerely,

Gina M. Tatosian
Senior Project Manager

Report No.: 2000090126

11/03/2000

Client: Enercon

Page 1 of 110

TEST RESULTS BY SAMPLE

Sample No.: 1	Date Collected: 09/15/2000	Time Collected: 07:45:00	Matrix: Soil
Description: 13-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	3.85	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	27.8	mg/Kg	0.1250	09/23/2000	MAT
Ethylbenzene	SW-846 5030B/8021B	24.4	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	78.5	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 1	Date Collected: 09/15/2000	Time Collected: 07:45:00	Matrix: Soil
Description: 13-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	36700	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 1 Date Collected: 09/15/2000 Time Collected: 07:45:00 Matrix: Soil
Description: 13-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	14.8	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	337	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.78	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	5.73	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	15.0	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 1 Date Collected: 09/15/2000 Time Collected: 07:45:00 Matrix: Soil
Description: 13-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	36.1	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	303	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	504	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	2.27	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	75.8/0.56	mg/Kg	1.0000	09/20/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 1	Date Collected: 09/15/2000	Time Collected: 07:45:00	Matrix: Soil
Description: 13-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	93,278	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	1,479	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	5,291	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	611	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	3.95	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	3,686	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	66.7	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	24.4	mg/Kg	1.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 2	Date Collected: 09/15/2000	Time Collected: 07:55:00	Matrix: Soil
Description: 13-0810-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	23.4	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	1.26	mg/Kg	1.2500	09/27/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	38.0	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	68.9	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 2 Date Collected: 09/15/2000 Time Collected: 07:55:00 Matrix: Soil

Description: 13-0810-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	26500	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 2	Date Collected: 09/15/2000	Time Collected: 07:55:00	Matrix: Soil
Description: 13-0810-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	34.0	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	480	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.72	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	6.59	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	14.7	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 2 Date Collected: 09/15/2000 Time Collected: 07:55:00 Matrix: Soil
 Description: 13-0810-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
N-Nitrosodimethylamine	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Phenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Bis(2-chloroethyl)ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Chlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
1,3-Dichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
1,4-Dichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
1,2-Dichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Methylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Bis(2-chloroisopropyl)ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Methylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
N-Nitrosodi-n-propylamine	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Hexachloroethane	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Nitrobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Isophorone	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Nitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4-Dimethylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Bis(2-chloroethoxy)methane	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4-Dichlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
1,2,4-Trichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Naphthalene	SW-846 3550/8270C	3.71	mg/Kg	3.3000	10/02/2000	TRE
4-Chloroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Hexachlorobutadiene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Chloro-3-methylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Methylnaphthalene	SW-846 3550/8270C	4.24	mg/Kg	3.3000	10/02/2000	TRE
Hexachlorocyclopentadiene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4,6-Trichlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4,5-Trichlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Chloronaphthalene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Nitroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Dimethyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,6-Dinitrotoluene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Acenaphthylene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
3-Nitroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Acenaphthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 2 Date Collected: 09/15/2000 Time Collected: 07:55:00 Matrix: Soil
 Description: 13-0810-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2,4-Dinitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Nitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Dibenzofuran	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4-Dinitrotoluene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Diethyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Fluorene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Chlorophenylphenyl ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Nitroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Methyl-4,6-dinitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Azobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Bromophenylphenyl ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Hexachlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Pentachlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Phenanthrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Anthracene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Carbazole	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Di-n-butyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Fluoranthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Pyrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Butylbenzyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(a)anthracene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Chrysene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Bis(2-ethylhexyl)phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Di-n-octyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(b)fluoranthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(k)fluoranthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(a)pyrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Indeno(1,2,3-cd)pyrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Dibenzo(a,h)anthracene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(ghi)perylene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Fluorophenol	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE
Phenol-d6	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE
2,4,6-Tribromophenol	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE
Nitrobenzene-d5	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 2	Date Collected: 09/15/2000	Time Collected: 07:55:00	Matrix: Soil
Description: 13-0810-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2-Fluorobiphenyl	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE
Terphenyl-d14	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 2 Date Collected: 09/15/2000 Time Collected: 07:55:00 Matrix: Soil
Description: 13-0810-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	98,570	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	1,583	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	3,351	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	2,392	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	6.84	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	4,264	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	68.3	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	43.6	mg/Kg	1.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 3	Date Collected: 09/15/2000	Time Collected: 08:10:00	Matrix: Soil
Description: 13-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.869	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	3.75	mg/Kg	0.1250	09/23/2000	MAT
Ethylbenzene	SW-846 5030B/8021B	5.69	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	11.4	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 3 Date Collected: 09/15/2000 Time Collected: 08:10:00 Matrix: Soil
Description: 13-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	10400	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 3 Date Collected: 09/15/2000 Time Collected: 08:10:00 Matrix: Soil
Description: 13-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	31.2	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	203	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.49	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	3.52	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 3 Date Collected: 09/15/2000 Time Collected: 08:10:00 Matrix: Soil

Description: 13-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	27.1	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	12,410	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	97.6	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	0.922	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	49.0/0.19	mg/Kg	1.0000	09/20/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 3 Date Collected: 09/15/2000 Time Collected: 08:10:00 Matrix: Soil
Description: 13-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	70,058	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	1,121	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	41,815	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	6,854	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	1.79	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	2,336	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	47.0	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	6.93	mg/Kg	1.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 4 Date Collected: 09/15/2000 Time Collected: 08:35:00 Matrix: Soil
Description: 13-1820-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	3.51	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	8.21	mg/Kg	0.1250	09/23/2000	MAT
Ethylbenzene	SW-846 5030B/8021B	16.6	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	28.6	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 4	Date Collected: 09/15/2000	Time Collected: 08:35:00	Matrix: Soil
Description: 13-1820-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	26400	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 5 Date Collected: 09/15/2000 Time Collected: 08:50:00 Matrix: Soil

Description: 13-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.202	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	1.12	mg/Kg	0.1250	09/23/2000	MAT
Ethylbenzene	SW-846 5030B/8021B	6.94	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	10.0	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 5	Date Collected: 09/15/2000	Time Collected: 08:50:00	Matrix: Soil
Description: 13-2325-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	8380	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 5 Date Collected: 09/15/2000 Time Collected: 08:50:00 Matrix: Soil
Description: 13-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	33.3	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	332	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.76	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	2.02	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 5 Date Collected: 09/15/2000 Time Collected: 08:50:00 Matrix: Soil
Description: 13-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	17.2	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	2,785	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	176	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	39.7/0.29	mg/Kg	1.0000	09/20/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 5	Date Collected: 09/15/2000	Time Collected: 08:50:00	Matrix: Soil
Description: 13-2325-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	205,841	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	517	mg/Kg	1.0000	10/01/2004	KF
Magnesium	SW-846 3050B/6020	9,670	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	1,283	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	<1.00	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	1,369	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	20.9	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	5.62	mg/Kg	1.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 6 Date Collected: 09/15/2000 Time Collected: 09:15:00 Matrix: Soil

Description: 13-2830-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.596	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	0.642	mg/Kg	0.1250	09/23/2000	MAT
Ethylbenzene	SW-846 5030B/8021B	11.3	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	12.6	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 6	Date Collected: 09/15/2000	Time Collected: 09:15:00	Matrix: Soil
Description: 13-2830-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	9880	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 7	Date Collected: 09/15/2000	Time Collected: 10:00:00	Matrix: Soil
Description: 9-0810-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.736	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	5.62	mg/Kg	0.1250	09/23/2000	MAT
Ethylbenzene	SW-846 5030B/8021B	9.47	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	21.4	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 7 Date Collected: 09/15/2000 Time Collected: 10:00:00 Matrix: Soil

Description: 9-0810-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	27200	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 7 Date Collected: 09/15/2000 Time Collected: 10:00:00 Matrix: Soil
Description: 9-0810-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	18.2	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	56.4	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.54	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	17.8	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	7.64	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 7 Date Collected: 09/15/2000 Time Collected: 10:00:00 Matrix: Soil
Description: 9-0810-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	22.1	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	1,239	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	198	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	103/0.86	mg/Kg	1.0000	09/20/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 7	Date Collected: 09/15/2000	Time Collected: 10:00:00	Matrix: Soil
Description: 9-0810-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
N-Nitrosodimethylamine	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Phenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Bis(2-chloroethyl)ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Chlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
1,3-Dichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
1,4-Dichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
1,2-Dichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Methylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Bis(2-chloroisopropyl)ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Methylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
N-Nitrosodi-n-propylamine	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Hexachloroethane	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Nitrobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Isophorone	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Nitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4-Dimethylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Bis(2-chloroethoxy)methane	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4-Dichlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
1,2,4-Trichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Naphthalene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Chloroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Hexachlorobutadiene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Chloro-3-methylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Methylnaphthalene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Hexachlorocyclopentadiene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4,6-Trichlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4,5-Trichlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Chloronaphthalene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Nitroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Dimethyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,6-Dinitrotoluene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Acenaphthylene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
3-Nitroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Acenaphthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 7	Date Collected: 09/15/2000	Time Collected: 10:00:00	Matrix: Soil
Description: 9-0810-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2,4-Dinitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Nitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Dibenzofuran	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4-Dinitrotoluene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Diethyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Fluorene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Chlorophenylphenyl ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Nitroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Methyl-4,6-dinitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Azobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Bromophenylphenyl ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Hexachlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Pentachlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Phenanthrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Anthracene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Carbazole	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Di-n-butyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Fluoranthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Pyrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Butylbenzyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(a)anthracene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Chrysene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Bis(2-ethylhexyl)phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Di-n-octyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(b)fluoranthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(k)fluoranthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(a)pyrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Indeno(1,2,3-cd)pyrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Dibenzo(a,h)anthracene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(ghi)perylene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Fluorophenol	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE
Phenol-d6	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE
2,4,6-Tribromophenol	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE
Nitrobenzene-d5	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 7	Date Collected: 09/15/2000	Time Collected: 10:00:00	Matrix: Soil
Description: 9-0810-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2-Fluorobiphenyl	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE
Terphenyl-d14	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 7 Date Collected: 09/15/2000 Time Collected: 10:00:00 Matrix: Soil
Description: 9-0810-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	76,250	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	2,000	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	6,861	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	1,258	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	<1.00	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	6,868	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	41.5	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	17.8	mg/Kg	1.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 8	Date Collected: 09/15/2000	Time Collected: 10:15:00	Matrix: Soil
Description: 9-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.165	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	0.819	mg/Kg	0.1250	09/23/2000	MAT
Ethylbenzene	SW-846 5030B/8021B	3.34	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	6.99	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 8	Date Collected: 09/15/2000	Time Collected: 10:15:00	Matrix: Soil
Description: 9-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	22500	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 8	Date Collected: 09/15/2000	Time Collected: 10:15:00	Matrix: Soil
Description: 9-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	27.3	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	348	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.56	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	15.3	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	6.92	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 8

Date Collected: 09/15/2000

Time Collected: 10:15:00

Matrix: Soil

Description: 9-1315-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	16.8	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	1,104	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	108	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	91.3/0.65	mg/Kg	1.0000	09/20/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 9	Date Collected: 09/15/2000	Time Collected: 10:15:00	Matrix: Soil
Description: 9-1315-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	7880	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 9 Date Collected: 09/15/2000 Time Collected: 10:15:00 Matrix: Soil
Description: 9-1315-B Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	22.8	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	1,075	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.84	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	10.4	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	86.8	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 9

Date Collected: 09/15/2000

Time Collected: 10:15:00

Matrix: Soil

Description: 9-1315-B

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	16.7	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	920	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	129	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	60.3/0.49	mg/Kg	1.0000	09/20/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 9	Date Collected: 09/15/2000	Time Collected: 10:15:00	Matrix: Soil
Description: 9-1315-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	79,933	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	1,430	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	26,951	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	958	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	41.9	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	4,782	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	66.4	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	53.8	mg/Kg	1.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 10	Date Collected: 09/15/2000	Time Collected: 10:30:00	Matrix: Soil
Description: 9-1820-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	1.92	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	0.448	mg/Kg	0.1250	09/23/2000	MAT
Ethylbenzene	SW-846 5030B/8021B	10.9	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	19.1	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 10

Date Collected: 09/15/2000

Time Collected: 10:30:00

Matrix: Soil

Description: 9-1820-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	30100	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 10	Date Collected: 09/15/2000	Time Collected: 10:30:00	Matrix: Soil
Description: 9-1820-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	15.9	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	109	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.41	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	1.67	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Calcium	SW-846 3050B/6020	80,435	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	1,684	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	16,443	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	309	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	<1.00	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	4,218	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	82.6	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	9.24	mg/Kg	1.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 11

Date Collected: 09/15/2000

Time Collected: 10:45:00

Matrix: Soil

Description: 9-2325-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.337	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	0.287	mg/Kg	0.1250	09/23/2000	MAT
Ethylbenzene	SW-846 5030B/8021B	3.42	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	5.29	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 11	Date Collected: 09/15/2000	Time Collected: 10:45:00	Matrix: Soil
Description: 9-2325-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	7180	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 11	Date Collected: 09/15/2000	Time Collected: 10:45:00	Matrix: Soil
Description: 9-2325-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	43.0	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	129	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.36	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	3.21	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 11

Date Collected: 09/15/2000

Time Collected: 10:45:00

Matrix: Soil

Description: 9-2325-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	19.1	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	321	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	180	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	46.9/0.38	mg/Kg	1.0000	09/20/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 11 Date Collected: 09/15/2000 Time Collected: 10:45:00 Matrix: Soil
Description: 9-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	109,162	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	821	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	23,667	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	312	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	2.80	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	2,811	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	54.6	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	6.03	mg/Kg	1.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 12	Date Collected: 09/15/2000	Time Collected: 12:05:00	Matrix: Soil
Description: 14-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	3.69	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	17.3	mg/Kg	0.1250	09/23/2000	MAT
Ethylbenzene	SW-846 5030B/8021B	18.8	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	46.5	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 12	Date Collected: 09/15/2000	Time Collected: 12:05:00	Matrix: Soil
Description: 14-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	20900	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 12	Date Collected: 09/15/2000	Time Collected: 12:05:00	Matrix: Soil
Description: 14-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	14.2	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	388	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.50	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	41.4	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	7.94	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 12

Date Collected: 09/15/2000

Time Collected: 12:05:00

Matrix: Soil

Description: 14-0305-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	28.0	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	921	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	475	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	58.2/0.44	mg/Kg	1.0000	09/20/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 12 Date Collected: 09/15/2000 Time Collected: 12:05:00 Matrix: Soil
Description: 14-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	85,404	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	870	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	4,518	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	7,765	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	1.19	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	2,234	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	40.4	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	27.4	mg/Kg	1.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 13

Date Collected: 09/15/2000

Time Collected: 12:15:00

Matrix: Soil

Description: 14-0810-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	15.4	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	45.3	mg/Kg	0.1250	09/23/2000	MAT
Ethylbenzene	SW-846 5030B/8021B	24.9	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	62.6	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 13

Date Collected: 09/15/2000

Time Collected: 12:15:00

Matrix: Soil

Description: 14-0810-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	60500	mg/Kg	1000.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 14	Date Collected: 09/15/2000	Time Collected: 12:30:00	Matrix: Soil
Description: 14-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	2.23	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	4.19	mg/Kg	0.1250	09/23/2000	MAT
Ethylbenzene	SW-846 5030B/8021B	13.3	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	17.7	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 14

Date Collected: 09/15/2000

Time Collected: 12:30:00

Matrix: Soil

Description: 14-1315-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	19500	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 14

Date Collected: 09/15/2000

Time Collected: 12:30:00

Matrix: Soil

Description: 14-1315-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	17.1	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	63.3	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.48	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	4.59	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 14

Date Collected: 09/15/2000

Time Collected: 12:30:00

Matrix: Soil

Description: 14-1315-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	21.5	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	9,342	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	74.0	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	52.1/0.22	mg/Kg	1.0000	09/20/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 14

Date Collected: 09/15/2000

Time Collected: 12:30:00

Matrix: Soil

Description: 14-1315-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
N-Nitrosodimethylamine	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Phenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Bis(2-chloroethyl)ether	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2-Chlorophenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
1,3-Dichlorobenzene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
1,4-Dichlorobenzene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
1,2-Dichlorobenzene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2-Methylphenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Bis(2-chloroisopropyl)ether	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
4-Methylphenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
N-Nitrosodi-n-propylamine	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Hexachloroethane	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Nitrobenzene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Isophorone	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2-Nitrophenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2,4-Dimethylphenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Bis(2-chloroethoxy)methane	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2,4-Dichlorophenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
1,2,4-Trichlorobenzene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Naphthalene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
4-Chloroaniline	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Hexachlorobutadiene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
4-Chloro-3-methylphenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2-Methylnaphthalene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Hexachlorocyclopentadiene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2,4,6-Trichlorophenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2,4,5-Trichlorophenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2-Chloronaphthalene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2-Nitroaniline	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Dimethyl phthalate	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2,6-Dinitrotoluene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Acenaphthylene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
3-Nitroaniline	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Acenaphthene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 14	Date Collected: 09/15/2000	Time Collected: 12:30:00	Matrix: Soil
Description: 14-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2,4-Dinitrophenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
4-Nitrophenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Dibenzofuran	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2,4-Dinitrotoluene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Diethyl phthalate	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Fluorene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
4-Chlorophenylphenyl ether	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
4-Nitroaniline	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2-Methyl-4,6-dinitrophenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Azobenzene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
4-Bromophenylphenyl ether	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Hexachlorobenzene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Pentachlorophenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Phenanthrene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Anthracene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Carbazole	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Di-n-butyl phthalate	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Fluoranthene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Pyrene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Butylbenzyl phthalate	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Benzo(a)anthracene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Chrysene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Bis(2-ethylhexyl)phthalate	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Di-n-octyl phthalate	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Benzo(b)fluoranthene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Benzo(k)fluoranthene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Benzo(a)pyrene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Indeno(1,2,3-cd)pyrene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Dibenzo(a,h)anthracene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Benzo(ghi)perylene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2-Fluorophenol	8270 Surrogate	MI	% Rec.	0.0000	10/05/2000	TRE
Phenol-d6	8270 Surrogate	MI	% Rec.	0.0000	10/05/2000	TRE
2,4,6-Tribromophenol	8270 Surrogate	MI	% Rec.	0.0000	10/05/2000	TRE
Nitrobenzene-d5	8270 Surrogate	MI	% Rec.	0.0000	10/05/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 14	Date Collected: 09/15/2000	Time Collected: 12:30:00	Matrix: Soil
Description: 14-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2-Fluorobiphenyl	8270 Surrogate	MI	% Rec.	0.0000	10/05/2000	TRE
Terphenyl-d14	8270 Surrogate	MI	% Rec.	0.0000	10/05/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 14 Date Collected: 09/15/2000 Time Collected: 12:30:00 Matrix: Soil
Description: 14-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	78,522	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	1,822	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	13,688	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	6,802	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	<1.00	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	2,690	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	42.4	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	7.01	mg/Kg	1.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 15 Date Collected: 09/15/2000 Time Collected: 12:45:00 Matrix: Soil
Description: 14-1820-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.304	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	0.838	mg/Kg	0.1250	09/23/2000	MAT
Ethylbenzene	SW-846 5030B/8021B	4.92	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	6.04	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 15	Date Collected: 09/15/2000	Time Collected: 12:45:00	Matrix: Soil
Description: 14-1820-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	2130	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 16	Date Collected: 09/15/2000	Time Collected: 12:45:00	Matrix: Soil
Description: 14-1820-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.670	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	0.541	mg/Kg	0.1250	09/23/2000	MAT
Ethylbenzene	SW-846 5030B/8021B	5.39	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	5.99	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 16	Date Collected: 09/15/2000	Time Collected: 12:45:00	Matrix: Soil
Description: 14-1820-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	7870	mg/Kg	100.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 17 Date Collected: 09/15/2000 Time Collected: 13:00:00 Matrix: Soil
Description: 14-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.240	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	0.630	mg/Kg	0.1250	09/23/2000	MAT
Ethylbenzene	SW-846 5030B/8021B	3.27	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	3.17	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 17

Date Collected: 09/15/2000

Time Collected: 13:00:00

Matrix: Soil

Description: 14-2325-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	6280	mg/Kg	100.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 17 Date Collected: 09/15/2000 Time Collected: 13:00:00 Matrix: Soil
Description: 14-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	9.76	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	214	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.67	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	2.94	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 17 Date Collected: 09/15/2000 Time Collected: 13:00:00 Matrix: Soil
Description: 14-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	19.7	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	10,559	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	75.8	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	26.3/0.11	mg/Kg	1.0000	09/20/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 17 Date Collected: 09/15/2000 Time Collected: 13:00:00 Matrix: Soil
Description: 14-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	208,066	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	498	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	16,198	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	4,633	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	3.04	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	1,225	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	22.1	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	4.27	mg/Kg	1.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 18	Date Collected: 09/15/2000	Time Collected: 13:00:00	Matrix: Soil
Description: 14-2325-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.177	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	0.721	mg/Kg	0.1250	09/23/2000	MAT
Ethylbenzene	SW-846 5030B/8021B	2.96	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	3.44	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 18	Date Collected: 09/15/2000	Time Collected: 13:00:00	Matrix: Soil
Description: 14-2325-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	1890	mg/Kg	100.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 18

Date Collected: 09/15/2000

Time Collected: 13:00:00

Matrix: Soil

Description: 14-2325-B

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	31.2	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	327	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.53	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	3.61	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 18

Date Collected: 09/15/2000

Time Collected: 13:00:00

Matrix: Soil

Description: 14-2325-B

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	27.8	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	11,009	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	203	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	1.40	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	24.2/0.08	mg/Kg	1.0000	09/20/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 18	Date Collected: 09/15/2000	Time Collected: 13:00:00	Matrix: Soil
Description: 14-2325-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	157,313	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	757	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	20,970	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	5,741	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	4.44	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	1,881	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	27.0	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	5.66	mg/Kg	1.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 19	Date Collected: 09/15/2000	Time Collected: 14:15:00	Matrix: Soil
Description: 15-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	2600	mg/Kg	100.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 19

Date Collected: 09/15/2000

Time Collected: 14:15:00

Matrix: Soil

Description: 15-0305-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	15.2	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	344	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.50	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	3.98	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 19

Date Collected: 09/15/2000

Time Collected: 14:15:00

Matrix: Soil

Description: 15-0305-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	25.0	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	726	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	755	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	53.1/0.31	mg/Kg	1.0000	09/20/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 19

Date Collected: 09/15/2000

Time Collected: 14:15:00

Matrix: Soil

Description: 15-0305-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	114,312	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	1,342	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	7,028	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	707	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	<1.00	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	2,467	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	29.5	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	9.96	mg/Kg	1.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 20	Date Collected: 09/15/2000	Time Collected: 14:25:00	Matrix: Soil
Description: 15-0810-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.391	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	0.359	mg/Kg	0.1250	09/23/2000	MAT
Ethylbenzene	SW-846 5030B/8021B	8.91	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	17.0	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 20 Date Collected: 09/15/2000 Time Collected: 14:25:00 Matrix: Soil
Description: 15-0810-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	20700	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 21	Date Collected: 09/15/2000	Time Collected: 14:25:00	Matrix: Soil
Description: 15-0810-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.377	mg/Kg	0.1250	09/23/2000	MAT
Toluene	SW-846 5030B/8021B	0.316	mg/Kg	0.1250	09/23/2000	MAT
Ethylbenzene	SW-846 5030B/8021B	6.52	mg/Kg	0.1250	09/23/2000	MAT
Xylenes, total	SW-846 5030B/8021B	13.4	mg/Kg	0.1250	09/23/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 21	Date Collected: 09/15/2000	Time Collected: 14:25:00	Matrix: Soil
Description: 15-0810-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	26600	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 22	Date Collected: 09/15/2000	Time Collected: 14:35:00	Matrix: Soil
Description: 15-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.372	mg/Kg	0.1250	09/29/2000	SCS
Toluene	SW-846 5030B/8021B	0.700	mg/Kg	0.1300	09/29/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	5.61	mg/Kg	0.1300	09/29/2000	SCS
Xylenes, total	SW-846 5030B/8021B	9.12	mg/Kg	0.1300	09/29/2000	SCS

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TEST RESULTS BY SAMPLE

Sample No.: 22	Date Collected: 09/15/2000	Time Collected: 14:35:00	Matrix: Soil
Description: 15-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	12700	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 22 Date Collected: 09/15/2000 Time Collected: 14:35:00 Matrix: Soil
Description: 15-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	22.0	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	73.2	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.37	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	3.42	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 22 Date Collected: 09/15/2000 Time Collected: 14:35:00 Matrix: Soil
Description: 15-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	21.1	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	254	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	95.7	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	193/1.82	mg/Kg	1.0000	09/20/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 22	Date Collected: 09/15/2000	Time Collected: 14:35:00	Matrix: Soil
Description: 15-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
N-Nitrosodimethylamine	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Phenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Bis(2-chloroethyl)ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Chlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
1,3-Dichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
1,4-Dichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
1,2-Dichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Methylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Bis(2-chloroisopropyl)ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Methylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
N-Nitrosodi-n-propylamine	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Hexachloroethane	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Nitrobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Isophorone	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Nitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4-Dimethylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Bis(2-chloroethoxy)methane	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4-Dichlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
1,2,4-Trichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Naphthalene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Chloroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Hexachlorobutadiene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Chloro-3-methylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Methylnaphthalene	SW-846 3550/8270C	3.65	mg/Kg	3.3000	10/02/2000	TRE
Hexachlorocyclopentadiene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4,6-Trichlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4,5-Trichlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Chloronaphthalene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Nitroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Dimethyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,6-Dinitrotoluene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Acenaphthylene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
3-Nitroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Acenaphthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 22	Date Collected: 09/15/2000	Time Collected: 14:35:00	Matrix: Soil
Description: 15-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2,4-Dinitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Nitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Dibenzofuran	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4-Dinitrotoluene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Diethyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Fluorene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Chlorophenylphenyl ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Nitroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Methyl-4,6-dinitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Azobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Bromophenylphenyl ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Hexachlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Pentachlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Phenanthrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Anthracene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Carbazole	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Di-n-butyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Fluoranthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Pyrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Butylbenzyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(a)anthracene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Chrysene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Bis(2-ethylhexyl)phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Di-n-octyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(b)fluoranthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(k)fluoranthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(a)pyrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Indeno(1,2,3-cd)pyrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Dibenzo(a,h)anthracene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(ghi)perylene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Fluorophenol	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE
Phenol-d6	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE
2,4,6-Tribromophenol	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE
Nitrobenzene-d5	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 22	Date Collected: 09/15/2000	Time Collected: 14:35:00	Matrix: Soil
Description: 15-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2-Fluorobiphenyl	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE
Terphenyl-d14	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 22 Date Collected: 09/15/2000 Time Collected: 14:35:00 Matrix: Soil
Description: 15-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	55,677	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	1,371	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	5,505	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	461	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	<1.00	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	2,470	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	29.0	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	5.49	mg/Kg	1.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 23

Date Collected: 09/15/2000

Time Collected: 14:35:00

Matrix: Soil

Description: 15-1315-B

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
N-Nitrosodimethylamine	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Phenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Bis(2-chloroethyl)ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Chlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
1,3-Dichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
1,4-Dichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
1,2-Dichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Methylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Bis(2-chloroisopropyl)ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Methylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
N-Nitrosodi-n-propylamine	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Hexachloroethane	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Nitrobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Isophorone	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Nitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4-Dimethylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Bis(2-chloroethoxy)methane	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4-Dichlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
1,2,4-Trichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Naphthalene	SW-846 3550/8270C	7.05	mg/Kg	3.3000	10/02/2000	TRE
4-Chloroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Hexachlorobutadiene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Chloro-3-methylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Methylnaphthalene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Hexachlorocyclopentadiene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4,6-Trichlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4,5-Trichlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Chloronaphthalene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Nitroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Dimethyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,6-Dinitrotoluene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Acenaphthylene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
3-Nitroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Acenaphthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 23	Date Collected: 09/15/2000	Time Collected: 14:35:00	Matrix: Soil
Description: 15-1315-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2,4-Dinitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Nitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Dibenzofuran	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2,4-Dinitrotoluene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Diethyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Fluorene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Chlorophenylphenyl ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Nitroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Methyl-4,6-dinitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Azobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
4-Bromophenylphenyl ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Hexachlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Pentachlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Phenanthrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Anthracene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Carbazole	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Di-n-butyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Fluoranthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Pyrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Butylbenzyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(a)anthracene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Chrysene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Bis(2-ethylhexyl)phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Di-n-octyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(b)fluoranthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(k)fluoranthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(a)pyrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Indeno(1,2,3-cd)pyrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Dibenzo(a,h)anthracene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
Benzo(ghi)perylene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/02/2000	TRE
2-Fluorophenol	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE
Phenol-d6	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE
2,4,6-Tribromophenol	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE
Nitrobenzene-d5	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 23	Date Collected: 09/15/2000	Time Collected: 14:35:00	Matrix: Soil
Description: 15-1315-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2-Fluorobiphenyl	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE
Terphenyl-d14	8270 Surrogate	MI	% Rec.	0.0000	10/02/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 24	Date Collected: 09/15/2000	Time Collected: 14:50:00	Matrix: Soil
Description: 15-1820-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	<0.125	mg/Kg	0.1250	09/27/2000	SCS
Toluene	SW-846 5030B/8021B	<0.125	mg/Kg	0.1250	09/27/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	4.82	mg/Kg	0.1250	09/27/2000	SCS
Xylenes, total	SW-846 5030B/8021B	10.1	mg/Kg	0.1250	09/27/2000	SCS

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TEST RESULTS BY SAMPLE

Sample No.: 24	Date Collected: 09/15/2000	Time Collected: 14:50:00	Matrix: Soil
Description: 15-1820-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	10600	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 25	Date Collected: 09/15/2000	Time Collected: 15:05:00	Matrix: Soil
Description: 15-2325-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.732	mg/Kg	0.1250	09/27/2000	SCS
Toluene	SW-846 5030B/8021B	<0.125	mg/Kg	0.1250	09/27/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	7.39	mg/Kg	0.1250	09/27/2000	SCS
Xylenes, total	SW-846 5030B/8021B	12.3	mg/Kg	0.1250	09/27/2000	SCS

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TEST RESULTS BY SAMPLE

Sample No.: 25

Date Collected: 09/15/2000

Time Collected: 15:05:00

Matrix: Soil

Description: 15-2325-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	6040	mg/Kg	500.0000	10/02/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 25	Date Collected: 09/15/2000	Time Collected: 15:05:00	Matrix: Soil
Description: 15-2325-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	26.4	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	251	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.55	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	2.08	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 25 Date Collected: 09/15/2000 Time Collected: 15:05:00 Matrix: Soil
Description: 15-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	14.8	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	864	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	86.4	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	19.8/0.07	mg/Kg	1.0000	09/27/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 25	Date Collected: 09/15/2000	Time Collected: 15:05:00	Matrix: Soil
Description: 15-2325-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	228,962	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	655	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	7,631	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	533	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	<1.00	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	1,472	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	41.2	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	4.56	mg/Kg	1.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 26 Date Collected: 09/15/2000 Time Collected: 15:05:00 Matrix: Soil
Description: 15-2325-B Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	15.8	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	479	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.58	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	1.42	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 26

Date Collected: 09/15/2000

Time Collected: 15:05:00

Matrix: Soil

Description: 15-2325-B

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	16.7	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	1,173	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	138	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	4.02	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	41.8/0.28	mg/Kg	1.0000	09/20/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 26	Date Collected: 09/15/2000	Time Collected: 15:05:00	Matrix: Soil
Description: 15-2325-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	184,486	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	779	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	7,702	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	647	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	<1.00	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	1,750	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	37.2	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	4.97	mg/Kg	1.0000	09/25/2000	KF

QC SUMMARY REPORT

QC Batch ID: 0020361

BTEX by EPA Method 8021B - Soil

Laboratory Control Sample (LCS/LCSD) Method Blank Results

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		LCSD		LCS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
Benzene	<0.125	2.50	2.11	84.4%	2.13	85.2%	1%	+ 30	70 - 130
Toluene	<0.125	2.50	2.47	98.8%	2.30	92.0%	7%	+ 30	70 - 130
Ethylbenzene	<0.125	2.50	2.29	91.6%	2.36	94.4%	3%	+ 30	70 - 130
Xylenes, total	<0.125	7.50	6.90	92.0%	6.98	93.1%	1%	+ 30	70 - 130

Sample Matrix Spikes (MS/MSD)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		MSD		MS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
Benzene	0.202	2.70	2.31	85.6%	1.78	65.9%	26%	+ 30	65 - 135
Toluene	1.12	3.62	3.04	84.0%	2.25	62.2%	30%	+ 30	65 - 135
Ethylbenzene	6.94	9.44	7.82	82.8%	5.67	60.1%	32%	+ 30	65 - 135
Xylenes, Total	10	17.50	14.20	81.1%	10.49	59.9%	30%	+ 30	65 - 135

Sequence Date(s): 9/26/00

Batch Extraction/Prep Date: 9/20/00

Sample ID - MS/MSD: 2000080126-5

Data Qualifiers:

Project(s) In Batch: 2000080126

QC SUMMARY REPORT

BTEX by EPA Method 8021B - Soil

QC Batch ID: 0020366

Laboratory Control Sample (LCS/LCSD)

Method Blank Results

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		LCSD		LCS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
Benzene	<0.125	2.50	2.10	84.0%	2.09	83.6%	0%	± 30	70 - 130
Toluene	<0.125	2.50	2.27	90.8%	2.26	90.4%	0%	± 30	70 - 130
Ethylbenzene	<0.125	2.50	2.34	93.6%	2.34	93.6%	0%	± 30	70 - 130
Xylenes, total	<0.125	7.50	6.89	91.9%	6.89	91.9%	0%	± 30	70 - 130

Sample Matrix Spikes (MS/MSD)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		MSD		MS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
Benzene	<0.125	2.50	2.10	84.0%	2.13	85.2%	1%	± 30	65 - 135
Toluene	<0.125	2.50	2.16	86.4%	2.18	87.2%	1%	± 30	65 - 135
Ethylbenzene	<0.125	2.50	2.10	84.0%	2.10	84.0%	0%	± 30	65 - 135
Xylenes, Total	<0.125	7.50	6.35	84.7%	6.29	83.9%	1%	± 30	65 - 135

Sequence Date(s): 9/26/00

Batch Extraction/Prep Date: 9/20/00

Sample ID - MS/MSD: 2000090128-31

Data Qualifiers:

Project(s) In Batch: 2000090126

2000090128

QC SUMMARY REPORT

QC Batch ID: 0050037

Semi-Volatile Organic Compounds by GC/MS - Soil

Laboratory Control Sample (LCS/LCSD)

Method Blank Results

CONSTITUENT	Method Blank Result (ppm)	Spike Added (ppm)	LCS		LCSD		LCS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
Acenaphthene	<0.330	1.670	0.712	42.6%	0.699	41.9%	2%	+ 30	40 - 130
1,4-Dichlorobenzene	<0.330	1.670	0.706	42.3%	0.723	43.3%	2%	+ 30	40 - 130
2,4-Dinitrotoluene	<0.330	1.670	0.969	58.1%	0.901	53.9%	7%	+ 30	40 - 130
N-Nitrosodi-n-propylamine	<0.330	1.670	0.770	46.1%	0.667	40.0%	14%	+ 30	40 - 130
Pyrene	<0.330	1.670	0.751	44.9%	0.719	43.1%	4%	+ 30	40 - 130
1,2,4-Trichlorobenzene	<0.330	1.670	0.759	45.5%	0.746	44.7%	2%	+ 30	40 - 130
2-Chlorophenol	<0.330	1.670	0.670	40.1%	0.702	42.0%	5%	+ 30	40 - 130
4-Chloro-3-methylphenol	<0.330	1.670	0.946	56.6%	0.948	56.8%	0%	+ 30	40 - 130
4-Nitrophenol	<0.330	1.670	0.818	49.0%	0.931	55.7%	13%	+ 30	40 - 130
Pentachlorophenol	<0.330	1.670	0.981	58.8%	1.097	65.7%	11%	+ 30	40 - 130
Phenol	<0.330	1.670	0.779	46.6%	0.830	49.7%	6%	+ 30	40 - 130

Sample Matrix Spikes (MS/MSD)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		MSD		MS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
Acenaphthene	<0.330	1.670	0.271	16.2%	0.346	20.7%	24%	+ 30	40 - 130
1,4-Dichlorobenzene	<0.330	1.670	0.000	0.0%	0.340	20.4%	200%	+ 30	40 - 130
2,4-Dinitrotoluene	<0.330	1.670	0.000	0.0%	0.023	1.4%	200%	+ 30	40 - 130
N-Nitrosodi-n-propylamine	<0.330	1.670	0.157	9.4%	0.244	14.6%	44%	+ 30	40 - 130
Pyrene	<0.330	1.670	0.450	27.0%	0.514	30.8%	13%	+ 30	40 - 130
1,2,4-Trichlorobenzene	<0.330	1.670	0.401	24.0%	0.462	27.7%	14%	+ 30	40 - 130
2-Chlorophenol	<0.330	1.670	0.152	9.1%	0.244	14.6%	47%	+ 30	40 - 130
4-Chloro-3-methylphenol	<0.330	1.670	0.188	11.2%	0.251	15.0%	29%	+ 30	40 - 130
4-Nitrophenol	<0.330	1.670	0.000	0.0%	0.000	0.0%	0%	+ 30	40 - 130
Pentachlorophenol	<0.330	1.670	0.000	0.0%	0.777	46.5%	200%	+ 30	40 - 130
Phenol	<0.330	1.670	0.000	0.0%	0.371	22.2%	200%	+ 30	40 - 130

Sample Spiked: 2000090128-17

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090088
2000090126

2000090128

QC SUMMARY REPORT

QC Batch ID: 001002B

TPH by 418.1

Laboratory Control Sample (LCS/LCSD)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		LCSD		LCS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
418.1	<10.0	500	425	85.0%	418	83.6%	2%	± 30	70 - 130

Sequence Date(s): 10/2/2000

Batch Extraction/Prep Date: 10/2/2000

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090126

QC SUMMARY REPORT

QC Batch ID: 001002

TPH by 418.1

Laboratory Control Sample (LCS/LCSD)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		LCSD		LCS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
418.1	<10.0	500	442	88.4%	437	87.4%	1%	+ 30	70 - 130

Sequence Date(s): 10/2/2000

Batch Extraction/Prep Date: 10/2/2000

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090126

QC SUMMARY REPORT

QC Batch ID: 100100/RCRA8 9-25

Metals by EPA Method 6020 and 6010B

Mercury by Method 7471A

Laboratory Control Sample (LCS)

Method Blank Results

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Calcium	<DL	1.00	0.935	94.0%	75 - 125
Copper	<DL	1.000	0.764	76.0%	75 - 125
Arsenic	<DL	1.00	0.799	80.0%	75 - 125
Barium	<DL	1.00	0.801	80.0%	75 - 125
Zinc	0.015	1.00	0.784	78.0%	75 - 125
Cadmium	0.015	1.00	0.785	78.0%	75 - 125
Chromium	<DL	1.00	0.807	81.0%	75 - 125
Iron	0.159	1.00	0.865	87.0%	75 - 125
Lead	0.049	1.00	0.793	79.0%	75 - 125
Potassium	0.010	50.00	48.202	96.0%	75 - 125
Mercury	0.038	0.10	0.130	105.0%	75 - 125
Magnesium	0.004	1.00	0.995	100.0%	75 - 125
Sodium	0.033	50.00	49.424	99.0%	75 - 125
Selenium	0.039	1.00	0.817	82.0%	75 - 125
Manganese	0.001	0.02	0.016	79.0%	75 - 125
Silver	0.013	0.02	1.044	104.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Copper	1.06	1.00	1.861	80.0%	75 - 125
Arsenic	20.0	1.00	10.740	74.0%	75 - 125
Barium	876	1.00	876.275	28.0%	75 - 125
Zinc	11.50	1.00	12.277	78.0%	75 - 125
Cadmium	1.65	1.00	2.401	75.0%	75 - 125
Chromium	<5.00	1.00	5.269	80.0%	75 - 125
Iron	4594	1.00	4594	0.0%	75 - 125
Lead	2.06	1.00	2.841	78.0%	75 - 125
Mercury	<0.200	0.25	0.292	117.0%	75 - 125
Selenium	<5.00	1.00	0.552	55.0%	75 - 125
Silver	<5.00	1.00	0.025	2.0%	75 - 125

Sequence Date(s): 10/1/00 & 9/25/00

Batch Extraction/Prep Date:

9/24/00

Sample ID - MS/MSD: 2000090128-2 &
2000090128-8 (Hg)

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch:

2000090126

2000090128

QC SUMMARY REPORT

QC Batch ID: 100100/RCRA8 9-25

Metals by EPA Method 6020 and 6010B
Mercury by Method 7471A

Laboratory Control Sample (LCS)

Method Blank Results

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Calcium	<DL	1.00	0.935	94.0%	75 - 125
Copper	<DL	1.000	0.764	76.0%	75 - 125
Arsenic	<DL	1.00	0.799	80.0%	75 - 125
Barium	<DL	1.00	0.801	80.0%	75 - 125
Zinc	0.015	1.00	0.784	78.0%	75 - 125
Cadmium	0.015	1.00	0.785	78.0%	75 - 125
Chromium	<DL	1.00	0.807	81.0%	75 - 125
Iron	0.159	1.00	0.865	87.0%	75 - 125
Lead	0.049	1.00	0.793	79.0%	75 - 125
Potassium	0.010	50.00	48.202	96.0%	75 - 125
Mercury	0.038	0.10	0.130	105.0%	75 - 125
Magnesium	0.004	1.00	0.995	100.0%	75 - 125
Sodium	0.033	50.00	49.424	99.0%	75 - 125
Selenium	0.039	1.00	0.817	82.0%	75 - 125
Manganese	0.001	0.02	0.016	79.0%	75 - 125
Silver	0.013	0.02	1.044	104.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Copper	<1.00	1.00	0.760	76.0%	75 - 125
Arsenic	26.4	1.00	26.980	58.0%	75 - 125
Barium	251	1.00	252.460	146.0%	75 - 125
Zinc	4.56	1.00	5.319	76.0%	75 - 125
Cadmium	1.55	1.00	2.287	74.0%	75 - 125
Chromium	<5.00	1.00	1.924	74.0%	75 - 125
Iron	1471	1.00	1471	0.0%	75 - 125
Lead	2.08	1.00	2.797	72.0%	75 - 125
Mercury	<0.200	0.25	0.212	85.0%	75 - 125
Selenium	<5.00	1.00	0.743	74.0%	75 - 125
Silver	<5.00	1.00	0.084	8.0%	75 - 125

Sequence Date(s): 10/1/00 & 9/25/00

Batch Extraction/Prep Date:

9/24/00

Sample ID - MS/MSD: 2000090126-25 &
2000090128-2 (Hg)

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch:

2000090126

2000090126 & 2000090128

- Hg

QC SUMMARY REPORT

QC Batch ID: 100100/RCRA8 9-25

Metals by EPA Method 6020 and 6010B
Mercury by Method 7471A

Laboratory Control Sample (LCS)

Method Blank Results

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Calcium	<DL	1.00	0.935	94.0%	75 - 125
Copper	<DL	1.000	0.764	76.0%	75 - 125
Arsenic	<DL	1.00	0.799	80.0%	75 - 125
Barium	<DL	1.00	0.801	80.0%	75 - 125
Zinc	0.015	1.00	0.784	78.0%	75 - 125
Cadmium	0.015	1.00	0.785	78.0%	75 - 125
Chromium	<DL	1.00	0.807	81.0%	75 - 125
Iron	0.159	1.00	0.865	87.0%	75 - 125
Lead	0.049	1.00	0.793	79.0%	75 - 125
Potassium	0.010	50.00	48.202	96.0%	75 - 125
Mercury	0.038	0.10	0.130	105.0%	75 - 125
Magnesium	0.004	1.00	0.995	100.0%	75 - 125
Sodium	0.033	50.00	49.424	99.0%	75 - 125
Selenium	0.039	1.00	0.817	82.0%	75 - 125
Manganese	0.001	0.02	0.016	79.0%	75 - 125
Silver	0.013	0.02	1.044	104.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Copper	2.80	1.00	3.577	78.0%	75 - 125
Arsenic	43.0	1.00	43.417	42.0%	75 - 125
Barium	129	1.00	129.667	67.0%	75 - 125
Zinc	6.03	1.00	6.853	82.0%	75 - 125
Cadmium	1.36	1.00	2.149	79.0%	75 - 125
Chromium	<5.00	1.00	3.390	76.0%	75 - 125
Iron	2811	1.00	2814	336.0%	75 - 125
Lead	3.21	1.00	4.008	80.0%	75 - 125
Mercury	<0.200	0.25	0.242	97.0%	75 - 125
Selenium	<5.00	1.00	0.646	65.0%	75 - 125
Silver	<5.00	1.00	0.110	11.0%	75 - 125

Sequence Date(s): 10/1/00 & 9/25/00

Batch Extraction/Prep Date:

9/24/00

Sample ID - MS/MSD: 2000090126-11
2000090088-15 (Hg)

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch:

2000090126

2000090088 & 2000090126

- Hg

QC SUMMARY REPORT

QC Batch ID: 93000

Anions by EPA Method 300.0

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Fluoride	<DL	10.00	10.174	102.0%	75 - 125
Chloride	<DL	50.00	49.630	99.0%	75 - 125
Nitrite	<DL	15.00	14.208	95.0%	75 - 125
Nitrate	<DL	10.00	12.080	121.0%	75 - 125
Sulfate	<DL	50.00	50.490	101.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Fluoride	27.1	10.00	35.343	83.0%	75 - 125
Chloride	12,410	10.00	12410	0.0%	75 - 125
Nitrite	705	10.00	705	0.0%	75 - 125
Nitrate	0.922	10.00	7.947	70.0%	75 - 125
Sulfate	97.6	10.00	111.145	135.0%	75 - 125

Sequence Date(s): 9/30/00

Batch Extraction/Prep Date:

9/29/00

Sample ID - MS/MSD: 2000090126-3

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090126

QC SUMMARY REPORT

QC Batch ID: 93000

Anions by EPA Method 300.0

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Fluoride	<DL	10.00	10.174	102.0%	75 - 125
Chloride	<DL	50.00	49.630	99.0%	75 - 125
Nitrite	<DL	15.00	14.208	95.0%	75 - 125
Nitrate	<DL	10.00	12.080	121.0%	75 - 125
Sulfate	<DL	50.00	50.490	101.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Fluoride	21.5	10.00	30.823	93.0%	75 - 125
Chloride	9,342	10.00	9342	0.0%	75 - 125
Nitrite	<0.100	10.00	15.786	158.0%	75 - 125
Nitrate	<0.100	10.00	6.915	69.0%	75 - 125
Sulfate	74.0	10.00	80.988	70.0%	75 - 125

Sequence Date(s): 9/30/00

Batch Extraction/Prep Date:

9/29/00

Sample ID - MS/MSD: 2000090126-14

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090126

QC SUMMARY REPORT

QC Batch ID: 92000

Alkalinity - Bicarbonate/Carbonate by EPA Method 310.1

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria
			Result (ppm)	Recovery (%)	Spike % Recovery (Low - High Limit)
Alkalinity	1.00	79.42	78.00	98.0%	80 - 120

Sample/Sample Duplicate

CONSTITUENT	Sample Result (ppm)	Sample Dup (ppm)	Dup	QC Acceptance Criteria
			Recovery (%)	% Recovery (Low - High Limit)
Alkalinity	52.00	50.00	98.0%	75 - 125

Sequence Date(s): 9/20/00

Batch Extraction/Prep Date:

9/20/00

Sample ID - Sample/Dup 2000090126-18

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090126

QC SUMMARY REPORT

QC Batch ID: 92000

Alkalinity - Bicarbonate/Carbonate by EPA Method 310.1

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria
			Result (ppm)	Recovery (%)	Spike % Recovery (Low - High Limit)
Alkalinity	1.00	79.42	79.00	99.0%	80 - 120

Sample/Sample Duplicate

CONSTITUENT	Sample Result (ppm)	Sample Dup (ppm)	Dup	QC Acceptance Criteria
			Recovery (%)	% Recovery (Low - High Limit)
Alkalinity	100.00	94.00	97.0%	75 - 125

Sequence Date(s): 9/20/00

Batch Extraction/Prep Date:

9/20/00

Sample ID - Sample/Dup 2000090126-3

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090126

Laboratory Order Variance & Documentation Tracking Form
MILLENNIUM Laboratories, Inc.

Sample Log-In Check List

- ☒ No problems were detected during the log-in for the sampling event received.
☐ Please see the item(s) checked below.

Problem(s) related to Shipping and Handling of Coolers & Documentation

- ☐ Shipping/Cooler Custody Seal was damaged
☐ Sample(s) received without refrigeration/cool ($> 4^{\circ}\text{C}$)
☐ Sample(s) were damaged during shipping (see note below)
☐ Documentation incomplete or missing (see note below)

Problem(s) related to specific sections of the Chain of Custody

- ☐ Report To:
☐ Billing information:
☐ Project information:
☐ Collection Date/Time:
☐ Sample Matrix
☐ Analytical Requested:
☐ Broken/Missing Sample(s):

Corrective Action Taken:

Sample Control

Coordinator: CH Date: 5-19-00 Approved by: ABD

MILLENNIUM Labs - Project Number

2000- 090126

Date Rec'd 5-18

Date Due: 5-10-2 Rush ☐

Client

Project No: ES 705

Site: Hobbs

Project Mgr: Mike Amabisco

Phone: _____

Report Tracking

Report Type	ML Staff Initials	Date completed
<u>Faxed Rpt.</u>		☐ No Fax Required
Case Narrative Completed		
Final Rpt. Mailed		

Quality Assurance Tracking

Add'l Item(s) client has for this sampling event	Quality Assurance Req'd	QA/QC Filed Initials/Date	Variance Filed Initials/Date
<u>TPH 48</u> <u>Gen Chem</u>	☒ BTEX or BTEX/MtBE		
	☐ TPH (TX1005)		
	☐ Nitrate/Sulfate		
	☒ Metals		
	☒ VOCs by GC-MS		
	☒ SVOC by GC-MS		
	☐ PAH		
	☐ Pesticides		
	☐ Herbicides		
	☐ PCBs		

Analytical Parameters Added:

☐ PAH	Analyzed Sample #		
☐ _____	Analyzed Sample #		
☐ _____	Analyzed Sample #		
☐ _____	Analyzed Sample #		

Sub-contracted Analyses

GEOTECHS ML# _____ Sent: _____ Rec'd: _____ Lab: _____

INVOICE Tracking

☐ FUNDED Project (verify billing address)
☐ CASH Project
☐ Other: _____

RUSH FEES ☐ Yes ☐ No

Date Invoice Printed _____

Invoice Number _____

Invoice Amount _____

Invoice Created By: _____

☐ Mailed with Report to Project Manager

☐ Other: _____

Notes:

Chain-of-Custody Record

Millennium Labs - Project Number

Page ____ of ____

REPORT TO:		BILLING INFORMATION		PROJECT INFORMATION		LAB USE ONLY	
Company	Merion	PO No.:		Project Number	15705	2000 -	
Mailing Address		☐ Invoice per Fee Schedule Established for our firm:		Site Name (limited to 20 characters):	Hebb's	☐ PAH-Soil: If, C ₆ -C ₂₈ total > 100 ppm;	Analyze one sample with the highest C ₁₀ -C ₂₈ concentration
City	ST: Zip:	☒ Special Project: Invoice as per project quote: Please attach quotation				☐ PAH-Water: If, C ₆ -C ₂₈ total > 5.0 ppm;	
Phone		☐ Direct Billing-Third Party: Attach sheet or use Remarks section for details		Sampled by:	M. HWABISCO	☐ TDS: Analyze the cleanest sampling point based on TPH-total; if TPH is non-detect: select sample with lowest aromatic content (total BTEX)	
Fax Phone		☐ Priority Project: Lab is Authorized to invoice for RUSH FEES		Print Name(s) Below		☐ TCLP-Metals: Based on Total Metals results; run TCLP Extraction on samples with parameters which exceed 20 times the TCLP Limit	
Report Attn:	M. HWABISCO	Send Invoice To:	☒ Project Manager ☐ See Remarks			☐ TCLP-Volatiles: Based on VOC results; run TCLP Extraction on samples with compounds which exceed: (attach sheet or use remarks section)	

Remarks:				Turnaround Time				Additional Parameters										Comments Please use space below or attach additional sheet(s)	Total Number of Bottles per Location		
				☐ 5 Working Days ☐ Other: _____ days				Total Lead 6010B	BTEX/MTBE 8021	TPH 1005	(8) RCRA Metals	Volatile Organics 826	Semi-Volatiles 8270	PAH 8310 8100 82	Pesticides 8081	Herbicides 8151	VCC MTL			Cham	
Lab No.	Sample Identification	Collected Date	Time	Matrix W	S	X	Method G														C
1	13-0305-A	1/15/00	0745		X		X		X	X								X	X	Strong odor	1
2	13-0810-A	1/15/00	0755		X		X		X	X				X				X	X	Strong odor	4
3	13-1315-A	1/15/00	0810		X		X		X	X								X	X	Strong odor	3
4	13-1820-A	1/15/00	0835		X		X		X	X								X	X	" "	2
5	13-2325-A	1/15/00	0850		X		X		X	X								X	X	" "	3
6	13-2830-A	1/15/00	0915		X		X		X	X								X	X	" "	2
7	14-0810-A	1/15/00	1000		X		X		X	X								X	X	Run 8270	3
8	14-1315-A	1/15/00	1015		X		X		X	X								X	X	Run 8270, Genchem	3
9	14-1315-B	1/15/00	1015		X		X		X	X								X	X	Run 8270, Genchem	3
10	14-1820-A	1/15/00	1030		X		X		X	X								X	X	" "	3
11	14-2325-A	1/15/00	1045		X		X		X	X								X	X	" "	3
12	14-0305-A	1/15/00	1205		X		X		X	X								X	X	" "	3
13	14-0810-A	1/15/00	1215		X		X		X	X								X	X	" "	2
14	14-1315-A	1/15/00	1230		X		X		X	X				X				X	X	" "	4
15	14-1820-A	1/15/00	1245		X		X		X	X								X	X	" "	2

Relinquished by	M. HWABISCO	Date:	1/15/00	Time:	11:30	Received by:		Date:		Time:		Condition of Sample(s) Rec'd At Lab	
Relinquished by		Date:		Time:		Received by:		Date:		Time:		Custody Seal Intact	☐ Yes ☐ No
Relinquished by		Date:		Time:		Received At Millennium Labs by:		Date:		Time:		Sample(s) Rec'd (iced/cool)	☐ Yes ☐ No
Method of Shipment: [see back copy for shipping address & instructions]												☐ Temperature of Sample(s):	
☐ Greyhound Express ☒ Next-day Air FedEx-UPS ☐ Contract Courier ☐ Laboratory Personnel ☐ OTC-Delivery From Client													

Chain-of-Custody Record

Millennium Labs - Project Number

Page

REPORT TO:

BILLING INFORMATION

PROJECT INFORMATION

LAB USE ONLY

Page Number To
PER PROJECT ONLY

Company: ENTERCON	PO No.:	Project Number: ES 705	2000 -
Mailing Address:	☐ Invoice per Fee Schedule Established for our firm:	Site Name (limited to 20 characters): Hobbs	☐ PAH-Soil: If, C ₈ -C ₂₈ total > 100 ppm; Analyze one sample with the highest C ₁₀ -C ₂₈ concentration
City: ST: Zip:	☒ Special Project: Invoice as per project quote: Please attach quotation		☐ PAH-Water: If, C ₈ -C ₂₈ total > 5.0 ppm;
Phone: 712 241 5401	☐ Direct Billing-Third Party: Attach sheet or use Remarks section for details	Sampled by: M. AMARISCO	☐ TDS: Analyze the cleanest sampling point based on TPH-total; if T _{PH} is non-detect, select sample with lowest aromatic content (total BTEX)
Fax Phone: 504 822	☐ Priority Project: Lab is Authorized to invoice for RUSH FEES		☐ TCLP-Metals: Based on Total Metals results; run TCLP Extraction on samples with parameters which exceed 20 times the TCLP Limits
Report Attn: MIKE AMARISCO	Send Invoice To: ☒ Project Manager ☐ See Remarks		☐ TCLP-Volatiles: Based on VOC results; run TCLP Extraction on samples with compounds which exceed: (attach sheet or use Remarks section)

Remarks:

Turnaround Time

☐ 5 Working Days☐ Other:

days

Total Lead 60108

BTEX/MTBE 8021

TPH 1005 418.7 80

(8) RCRA Metals

Volatile Organics 826

Semi-Volatiles 8270

PAH 8310 8100 82

Pesticides 8081

Herbicides 8151

Additional Parameters

Comments

Please use space below or attach additional sheet(s)

P
r
e
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e
r
v
e
dTotal
Number of
Bottles
per
Location

Lab No.	Sample Identification	Collected		Matrix			Method		Total Lead 60108	BTEX/MTBE 8021	TPH 1005 418.7 80	(8) RCRA Metals	Volatile Organics 826	Semi-Volatiles 8270	PAH 8310 8100 82	Pesticides 8081	Herbicides 8151	Additional Parameters	Comments	P r e s e r v e d	Total Number of Bottles per Location
		Date	Time	W	S	X	G	C													
16	14-1820-B	9/15/00	1245		X		X		X	X									STRONG COOR		2
17	14-2325-A	9/15/00	1305		X		X		X	X									"		3
18	14-2325-B	9/15/00	1305		X		X		X	X									"		2
19	15-0305-A	9/15/00	1415		X		X			X									"		2
20	15-0810-A	9/15/00	1425		X		X		X	X									"		2
21	15-0810-B	9/15/00	1425		X		X		X	X									"		2
22	15-1315-A	9/15/00	1435		X		X		X	X				X				X	"		4
23	15-1315-B	9/15/00	1435		X		X							X				X	"		1
24	15-1820-A	9/15/00	1450		X		X		X	X								X	"		2
25	15-2325-A	9/15/00	1505		X		X		X	X								X	"		3
26	15-2325-B	9/15/00	1505		X		X			X								X	"		2

Relinquished by: M. Ambisco	Date: 9/15/00	Time: 1430	Received by:	Date:	Time:	Condition of Sample(s) Rec'd At Lab
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact ☐ Yes ☐ No
Relinquished by:	Date:	Time:	Received At Millennium Labs by:	Date:	Time:	Sample(s) Rec'd Iced/Cool ☐ Yes ☐ No
Method of Shipment: [see back copy for shipping address & instructions]					Temperature of Sample(s):	
☐ Greyhound Express	☒ Next-day Air FedEx-UPS	☐ Contract Courier	☐ Laboratory Personnel	☐ OTC-Delivery From Client		

MILLENNIUM Laboratories, Inc.

1544 SAWDUST ROAD * SUITE 402 * THE WOODLANDS, TEXAS 77380 * 281-362-8490

CLIENT: Mike Amabisco

Enercon

8866 Gulf Freeway, Suite 380

Houston, TX 77017

Report No.: 2000090127

Report Date: 10/10/2000

Phone: 713-941-0401

Fax: 713-941-0402

Project Name: Hobbs GW

Project Number: ES 707

Received: 09/19/2000

Sampled by: Mike Amabisco

Lab Number

2000090127-1

2000090127-2

2000090127-3

2000090127-4

2000090127-5

2000090127-6

Sample Identification

MW-1

MW-2

MW-2B

MW-3

MW-4

MW-5

REVISED

Our letters and reports are for the exclusive use of the client to whom they are addressed and shall not be reproduced except in full without the approval of the testing laboratory. The use of our name must receive our prior written approval. Our letters and reports apply only to the samples tested and are not necessarily indicative of the qualities of apparently identical or similar samples.

MILLENNIUM LABORATORIES, Inc.

Amanda Bourgeois

Technical - QA/QC review by: *for*
Matt Steere/Theresa Sorrells

Gina M. Tatolian

Gina M. Tatolian
Senior Project Manager



MILLENNIUM
LABORATORIES, INC.

October 12, 2000

Enercon
Mike Amabisco
8866 Gulf Freeway, Suite 380
Houston, TX 77017

Millennium Labs Order Number: 2000090127
Project Name: Hobbs GW
Project Number: ES 707

Dear Mr. Amabisco:

This is a revised report, for the samples submitted to Millennium Laboratories on 09/19/00 from the site referenced above. As per your request, the laboratory was able to report lower detection limits for Barium, Chromium and Manganese.

Your sample "MW-1" (Millennium ID: 2000090127-1) was randomly chosen for use in Millennium's Quality Control Program for Metals analysis by method 6020. The Matrix Spike and Matrix Spike recoveries were outside the quality control limit for several analytes, due to matrix interference. A Laboratory Control Sample (LCS) and Laboratory Control Duplicate (LCSD) were analyzed as part of the analytical batch and all recoveries were within acceptable limits.

Your sample "MW-2B" (Millennium ID: 2000090127-3) was randomly chosen for use in Millennium's Quality Control Program for Anions analysis by method 300.0. The Matrix Spike recovery was outside the quality control limit for several analytes, due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as part of the analytical batch and all recoveries were within acceptable limits.

All procedures and analyses have been reviewed and meet the Quality Control limits established at Millennium Laboratories.

This report retains its validity and integrity only when reported in full and accompanied by this letter. Any other use of this report must be granted, in writing, by Millennium Laboratories. All samples pertaining to this Order Number will be disposed of 60 days after the date of receipt, unless otherwise arranged in writing.

Please do not hesitate to contact us if you have any questions or comments concerning this report. Please reference the above Work Order Number.

Sincerely,

Gina M. Tatossian
Senior Project Manager

Report No.: 2000090121

11/03/2000

Client: Enercon

Page 1 of 21

TEST RESULTS BY SAMPLE

Sample No.: 1	Date Collected: 09/18/2000	Time Collected: 14:50:00	Matrix: Groundwater
Description: MW-1	Project Name: Hobbs GW		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Dichlorodifluoromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chloromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Vinyl Chloride	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromomethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Trichlorofluoromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1-Dichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Methylene Chloride	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
trans-1,2-Dichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Methyl tert-butyl ether	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1-Dichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
cis-1,2-Dichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromochloromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chloroform	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
2,2-Dichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1,1-Trichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1-Dichloropropene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Carbon Tetrachloride	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Benzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Dibromomethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Trichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromodichloromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
cis-1,3-Dichloropropene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
trans-1,3-Dichloropropene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1,2-Trichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Toluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,3-Dichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chlorodibromomethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dibromoethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Tetrachloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1,1,2-Tetrachloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT

Report No.: 2000090127

11/03/2000

Client: Enercon

Page 2 of 21

TEST RESULTS BY SAMPLE

Sample No.: 1	Date Collected: 09/18/2000	Time Collected: 14:50:00	Matrix: Groundwater
Description: MW-1	Project Name: Hobbs GW		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Ethylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Xylenes, total	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromoform	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Styrene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1,2,2-Tetrachloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2,3-Trichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Isopropylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
n-Propylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
2-Chlorotoluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
4-Chlorotoluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,3,5-Trimethylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
tert-Butylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2,4-Trimethylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
sec-Butylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,3-Dichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,4-Dichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
p-Isopropyltoluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
n-Butylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dibromo-3-chloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2,4-Trichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Naphthalene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Hexachlorobutadiene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2,3-Trichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Dibromofluoromethane	8260 Surrogate	103	% Rec.	0.0000	09/26/2000	MAT
Toluene-d8	8260 Surrogate	112	% Rec.	0.0000	09/26/2000	MAT
p-Bromofluorobenzene	8260 Surrogate	103	% Rec.	0.0000	09/26/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 1 Date Collected: 09/18/2000 Time Collected: 14:50:00 Matrix: Groundwater
Description: MW-1 Project Name: Hobbs GW

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7470A	<0.002	mg/L	0.0020	10/02/2000	KF
Arsenic	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Barium	SW-846 3010A/6020	<1.00	mg/L	1.0000	10/10/2000	KF
Cadmium	SW-846 3010A/6020	<0.005	mg/L	0.0050	10/03/2000	KF
Chromium	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/10/2000	KF
Lead	SW-846 3010A/6020	<0.015	mg/L	0.0150	10/03/2000	KF
Selenium	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Silver	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Calcium	SW-846 3010A/6020	243	mg/L	1.0000	10/03/2000	KF
Potassium	SW-846 3010A/6020	6.72	mg/L	1.0000	10/03/2000	KF
Magnesium	SW-846 3010A/6020	27.5	mg/L	1.0000	10/03/2000	KF
Sodium	SW-846 3010A/6020	163	mg/L	1.0000	10/03/2000	KF
Copper	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Iron	SW-846 3010A/6020	<1.00	mg/L	1.0000	10/03/2000	KF
Manganese	SW-846 3010A/6020	<0.200	mg/L	0.2000	10/10/2000	KF
Zinc	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 1 Date Collected: 09/18/2000 Time Collected: 14:50:00 Matrix: Groundwater
Description: MW-1 Project Name: Hobbs GW

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	2.93	mg/L	0.1000	10/03/2000	KF
Chloride	EPA 300.0	219	mg/L	0.1000	10/03/2000	KF
Sulfate	EPA 300.0	219	mg/L	1.0000	10/03/2000	KF
Nitrate-N	EPA 300.0	19.2	mg/L	0.1000	10/03/2000	KF
Nitrite	EPA 300.0	447	mg/L	0.1000	10/03/2000	KF
Bicarbonate/Carbonate	EPA 310.1	190/0.32	mg/L	1.0000	09/21/2000	TW
Total Dissolved Solids	160.1	1250	mg/L	10.0000	09/22/2000	CH
Anion/Cation Balance	1030-F	82	%	0.0000	09/22/2000	KF

TEST RESULTS BY SAMPLE

Sample No.: 2	Date Collected: 09/18/2000	Time Collected: 15:10:00	Matrix: Groundwater
Description: MW-2	Project Name: Hobbs GW		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Dichlorodifluoromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chloromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Vinyl Chloride	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromomethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Trichlorofluoromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1-Dichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Methylene Chloride	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
trans-1,2-Dichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Methyl tert-butyl ether	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1-Dichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
cis-1,2-Dichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromochloromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chloroform	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
2,2-Dichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1,1-Trichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1-Dichloropropene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Carbon Tetrachloride	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Benzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Dibromomethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Trichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromodichloromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
cis-1,3-Dichloropropene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
trans-1,3-Dichloropropene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1,2-Trichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Toluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,3-Dichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chlorodibromomethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dibromoethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Tetrachloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1,1,2-Tetrachloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT

TEST RESULTS BY SAMPLE

Sample No.: 2	Date Collected: 09/18/2000	Time Collected: 15:10:00	Matrix: Groundwater
Description: MW-2	Project Name: Hobbs GW		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Ethylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Xylenes, total	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromoform	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Styrene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1,2,2-Tetrachloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2,3-Trichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Isopropylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
n-Propylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
2-Chlorotoluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
4-Chlorotoluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,3,5-Trimethylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
tert-Butylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2,4-Trimethylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
sec-Butylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,3-Dichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,4-Dichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
p-Isopropyltoluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
n-Butylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dibromo-3-chloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2,4-Trichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Naphthalene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Hexachlorobutadiene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2,3-Trichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Dibromofluoromethane	8260 Surrogate	110	% Rec.	0.0000	09/26/2000	MAT
Toluene-d8	8260 Surrogate	116	% Rec.	0.0000	09/26/2000	MAT
p-Bromofluorobenzene	8260 Surrogate	103	% Rec.	0.0000	09/26/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 2	Date Collected: 09/18/2000	Time Collected: 15:10:00	Matrix: Groundwater
Description: MW-2	Project Name: Hobbs GW		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7470A	<0.002	mg/L	0.0020	10/02/2000	KF
Arsenic	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Barium	SW-846 3010A/6010B	<1.00	mg/L	1.0000	10/10/2000	KF
Cadmium	SW-846 3010A/6010B	<0.005	mg/L	0.0050	10/03/2000	KF
Chromium	SW-846 3010A/6010B	<0.050	mg/L	0.0500	10/10/2000	KF
Lead	SW-846 3010A/6010B	<0.015	mg/L	0.0150	10/03/2000	KF
Selenium	SW-846 3010A/6010B	<0.050	mg/L	0.0500	10/03/2000	KF
Silver	SW-846 3010A/6010B	<0.050	mg/L	0.0500	10/03/2000	KF
Calcium	SW-846 3010A/6020	112	mg/L	1.0000	10/03/2000	KF
Potassium	SW-846 3010A/6020	5.50	mg/L	1.0000	10/03/2000	KF
Magnesium	SW-846 3010A/6020	15.7	mg/L	1.0000	10/03/2000	KF
Sodium	SW-846 3010A/6020	243	mg/L	1.0000	10/03/2000	KF
Copper	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Iron	SW-846 3010A/6020	<1.00	mg/L	1.0000	10/03/2000	KF
Manganese	SW-846 3010A/6020	<0.200	mg/L	0.2000	10/10/2000	KF
Zinc	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 2	Date Collected: 09/18/2000	Time Collected: 15:10:00	Matrix: Groundwater
Description: MW-2	Project Name: Hobbs GW		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	2.60	mg/L	0.1000	10/03/2000	KF
Chloride	EPA 300.0	251	mg/L	0.1000	10/03/2000	KF
Sulfate	EPA 300.0	223	mg/L	1.0000	10/03/2000	KF
Nitrate-N	EPA 300.0	14.7	mg/L	0.1000	10/03/2000	KF
Nitrite	EPA 300.0	333	mg/L	0.1000	10/03/2000	KF
Bicarbonate/Carbonate	EPA 310.1	116/0.91	mg/L	1.0000	09/21/2000	TW
Anion/Cation Balance	1030-F	87.0	%	0.0000	10/04/2000	KF
Total Dissolved Solids	160.1	1190	mg/L	10.0000	09/22/2000	CH

TEST RESULTS BY SAMPLE

Sample No.: 3	Date Collected: 09/18/2000	Time Collected: 15:10:00	Matrix: Groundwater
Description: MW-2B	Project Name: Hobbs GW		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Dichlorodifluoromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chloromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Vinyl Chloride	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromomethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Trichlorofluoromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1-Dichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Methylene Chloride	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
trans-1,2-Dichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Methyl tert-butyl ether	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1-Dichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
cis-1,2-Dichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromochloromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chloroform	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
2,2-Dichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1,1-Trichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1-Dichloropropene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Carbon Tetrachloride	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Benzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Dibromomethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Trichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromodichloromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
cis-1,3-Dichloropropene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
trans-1,3-Dichloropropene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1,2-Trichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Toluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,3-Dichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chlorodibromomethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dibromoethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Tetrachloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1,1,2-Tetrachloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT

TEST RESULTS BY SAMPLE

Sample No.: 3	Date Collected: 09/18/2000	Time Collected: 15:10:00	Matrix: Groundwater
Description: MW-2B	Project Name: Hobbs GW		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Ethylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Xylenes, total	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromoform	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Styrene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1,2,2-Tetrachloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2,3-Trichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Isopropylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
n-Propylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
2-Chlorotoluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
4-Chlorotoluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,3,5-Trimethylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
tert-Butylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2,4-Trimethylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
sec-Butylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,3-Dichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,4-Dichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
p-Isopropyltoluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
n-Butylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dibromo-3-chloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2,4-Trichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Naphthalene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Hexachlorobutadiene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2,3-Trichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Dibromofluoromethane	8260 Surrogate	110	% Rec.	0.0000	09/26/2000	MAT
Toluene-d8	8260 Surrogate	109	% Rec.	0.0000	09/26/2000	MAT
p-Bromofluorobenzene	8260 Surrogate	105	% Rec.	0.0000	09/26/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 3	Date Collected: 09/18/2000	Time Collected: 15:10:00	Matrix: Groundwater
Description: MW-2B	Project Name: Hobbs GW		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7470A	<0.002	mg/L	0.0020	10/03/2000	KF
Arsenic	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Barium	SW-846 3010A/6020	<1.00	mg/L	1.0000	10/10/2000	KF
Cadmium	SW-846 3010A/6020	<0.005	mg/L	0.0050	10/03/2000	KF
Chromium	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/10/2000	KF
Lead	SW-846 3010A/6020	<0.015	mg/L	0.0150	10/03/2000	KF
Selenium	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Silver	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Calcium	SW-846 3010A/6020	113	mg/L	1.0000	10/03/2000	KF
Potassium	SW-846 3010A/6020	4.94	mg/L	1.0000	10/03/2000	KF
Magnesium	SW-846 3010A/6020	16.6	mg/L	1.0000	10/03/2000	KF
Sodium	SW-846 3010A/6020	254	mg/L	1.0000	10/03/2000	KF
Copper	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Iron	SW-846 3010A/6020	<1.00	mg/L	1.0000	10/03/2000	KF
Manganese	SW-846 3010A/6020	<0.200	mg/L	0.2000	10/10/2000	KF
Zinc	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 3	Date Collected: 09/18/2000	Time Collected: 15:10:00	Matrix: Groundwater
Description: MW-2B	Project Name: Hobbs GW		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	2.70	mg/L	0.1000	10/03/2000	KF
Chloride	EPA 300.0	232	mg/L	0.1000	10/03/2000	KF
Sulfate	EPA 300.0	221	mg/L	1.0000	10/03/2000	KF
Nitrate-N	EPA 300.0	14.9	mg/L	0.1000	10/03/2000	KF
Nitrite	EPA 300.0	369	mg/L	0.1000	10/03/2000	KF
Bicarbonate/Carbonate	EPA 310.1	45/0.254	mg/L	1.0000	09/21/2000	TW
Anion/Cation Balance	1030-F	90.0	%	0.0000	10/04/2000	KF
Total Dissolved Solids	160.1	1140	mg/L	10.0000	09/22/2000	CH

TEST RESULTS BY SAMPLE

Sample No.: 4	Date Collected: 09/18/2000	Time Collected: 15:30:00	Matrix: Groundwater
Description: MW-3	Project Name: Hobbs GW		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Dichlorodifluoromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chloromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Vinyl Chloride	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromomethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Trichlorofluoromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1-Dichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Methylene Chloride	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
trans-1,2-Dichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Methyl tert-butyl ether	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1-Dichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
cis-1,2-Dichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromochloromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chloroform	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
2,2-Dichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1,1-Trichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1-Dichloropropene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Carbon Tetrachloride	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Benzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Dibromomethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Trichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromodichloromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
cis-1,3-Dichloropropene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
trans-1,3-Dichloropropene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1,2-Trichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Toluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,3-Dichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chlorodibromomethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dibromoethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Tetrachloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1,1,2-Tetrachloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Chlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT

TEST RESULTS BY SAMPLE

Sample No.: 4	Date Collected: 09/18/2000	Time Collected: 15:30:00	Matrix: Groundwater
Description: MW-3	Project Name: Hobbs GW		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Ethylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Xylenes, total	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromoform	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Styrene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,1,2,2-Tetrachloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2,3-Trichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Isopropylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Bromobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
n-Propylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
2-Chlorotoluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
4-Chlorotoluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,3,5-Trimethylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
tert-Butylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2,4-Trimethylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
sec-Butylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,3-Dichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,4-Dichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
p-Isopropyltoluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
n-Butylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2-Dibromo-3-chloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2,4-Trichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Naphthalene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Hexachlorobutadiene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
1,2,3-Trichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/26/2000	MAT
Dibromofluoromethane	8260 Surrogate	105	% Rec.	0.0000	09/26/2000	MAT
Toluene-d8	8260 Surrogate	102	% Rec.	0.0000	09/26/2000	MAT
p-Bromofluorobenzene	8260 Surrogate	98.4	% Rec.	0.0000	09/26/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 4	Date Collected: 09/18/2000	Time Collected: 15:30:00	Matrix: Groundwater
Description: MW-3	Project Name: Hobbs GW		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7470A	<0.002	mg/L	0.0020	10/03/2000	KF
Arsenic	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Barium	SW-846 3010A/6020	<1.00	mg/L	1.0000	10/10/2000	KF
Cadmium	SW-846 3010A/6020	<0.005	mg/L	0.0050	10/03/2000	KF
Chromium	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/10/2000	KF
Lead	SW-846 3010A/6020	<0.015	mg/L	0.0150	10/03/2000	KF
Selenium	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Silver	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Calcium	SW-846 3010A/6020	197	mg/L	1.0000	10/03/2000	KF
Potassium	SW-846 3010A/6020	3.90	mg/L	1.0000	10/03/2000	KF
Magnesium	SW-846 3010A/6020	20.2	mg/L	1.0000	10/03/2000	KF
Sodium	SW-846 3010A/6020	157	mg/L	1.0000	10/03/2000	KF
Copper	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Iron	SW-846 3010A/6020	<1.00	mg/L	1.0000	10/03/2000	KF
Manganese	SW-846 3010A/6020	<0.200	mg/L	0.2000	10/10/2000	KF
Zinc	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 4 Date Collected: 09/18/2000 Time Collected: 15:30:00 Matrix: Groundwater
Description: MW-3 Project Name: Hobbs GW

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	1.59	mg/L	0.1000	10/03/2000	KF
Chloride	EPA 300.0	192	mg/L	0.1000	10/03/2000	KF
Sulfate	EPA 300.0	202	mg/L	1.0000	10/03/2000	KF
Nitrate-N	EPA 300.0	12.7	mg/L	0.1000	10/03/2000	KF
Nitrite	EPA 300.0	286	mg/L	0.1000	10/03/2000	KF
Bicarbonate/Carbonate	EPA 310.1	145/0.88	mg/L	1.0000	09/21/2000	TW
Anion/Cation Balance	1030-F	89.0	%	0.0000	10/04/2000	KF
Total Dissolved Solids	160.1	1490	mg/L	10.0000	09/22/2000	CH

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TEST RESULTS BY SAMPLE

Sample No.: 5	Date Collected: 09/18/2000	Time Collected: 16:00:00	Matrix: Groundwater
Description: MW-4	Project Name: Hobbs GW		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Dichlorodifluoromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Chloromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Vinyl Chloride	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Bromomethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Chloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Trichlorofluoromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,1-Dichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Methylene Chloride	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
trans-1,2-Dichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Methyl tert-butyl ether	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,1-Dichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
cis-1,2-Dichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Bromochloromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Chloroform	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
2,2-Dichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,2-Dichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,1,1-Trichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,1-Dichloropropene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Carbon Tetrachloride	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Benzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Dibromomethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,2-Dichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Trichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Bromodichloromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
cis-1,3-Dichloropropene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
trans-1,3-Dichloropropene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,1,2-Trichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Toluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,3-Dichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Chlorodibromomethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,2-Dibromoethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Tetrachloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,1,1,2-Tetrachloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Chlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 5	Date Collected: 09/18/2000	Time Collected: 16:00:00	Matrix: Groundwater
Description: MW-4	Project Name: Hobbs GW		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Ethylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Xylenes, total	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Bromoform	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Styrene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,1,2,2-Tetrachloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,2,3-Trichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Isopropylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Bromobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
n-Propylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
2-Chlorotoluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
4-Chlorotoluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,3,5-Trimethylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
tert-Butylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,2,4-Trimethylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
sec-Butylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,3-Dichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,4-Dichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
p-Isopropyltoluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,2-Dichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
n-Butylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,2-Dibromo-3-chloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,2,4-Trichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Naphthalene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Hexachlorobutadiene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,2,3-Trichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Dibromofluoromethane	8260 Surrogate	118	% Rec.	0.0000	09/29/2000	MAT
Toluene-d8	8260 Surrogate	128	% Rec.	0.0000	09/29/2000	MAT
p-Bromofluorobenzene	8260 Surrogate	108	% Rec.	0.0000	09/29/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 5 Date Collected: 09/18/2000 Time Collected: 16:00:00 Matrix: Groundwater
Description: MW-4 Project Name: Hobbs GW

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7470A	<0.002	mg/L	0.0020	10/02/2000	KF
Arsenic	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Barium	SW-846 3010A/6020	<1.00	mg/L	1.0000	10/10/2000	KF
Cadmium	SW-846 3010A/6020	<0.005	mg/L	0.0050	10/03/2000	KF
Chromium	SW-846 3010A/6020	0.139	mg/L	0.0500	10/10/2000	KF
Lead	SW-846 3010A/6020	<0.015	mg/L	0.0150	10/03/2000	KF
Selenium	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Silver	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Calcium	SW-846 3010A/6020	135	mg/L	1.0000	10/03/2000	KF
Potassium	SW-846 3010A/6020	4.58	mg/L	1.0000	10/03/2000	KF
Magnesium	SW-846 3010A/6020	18.9	mg/L	1.0000	10/03/2000	KF
Sodium	SW-846 3010A/6020	182	mg/L	1.0000	10/03/2000	KF
Copper	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Iron	SW-846 3010A/6020	<1.00	mg/L	1.0000	10/03/2000	KF
Manganese	SW-846 3010A/6020	<0.200	mg/L	0.2000	10/10/2000	KF
Zinc	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 5 Date Collected: 09/18/2000 Time Collected: 16:00:00 Matrix: Groundwater
Description: MW-4 Project Name: Hobbs GW

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	2.29	mg/L	0.1000	10/03/2000	KF
Chloride	EPA 300.0	239	mg/L	0.1000	10/03/2000	KF
Sulfate	EPA 300.0	206	mg/L	1.0000	10/03/2000	KF
Nitrate-N	EPA 300.0	12.2	mg/L	0.1000	10/03/2000	KF
Nitrite	EPA 300.0	261	mg/L	0.1000	10/03/2000	KF
Bicarbonate/Carbonate	EPA 310.1	95/0.43	mg/L	1.0000	09/21/2000	TW
Anion/Cation Balance	1030-F	86.0	%	0.0000	10/04/2000	KF
Total Dissolved Solids	160.1	1020	mg/L	10.0000	09/22/2000	CH

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TEST RESULTS BY SAMPLE

Sample No.: 6	Date Collected: 09/18/2000	Time Collected: 15:45:00	Matrix: Groundwater
Description: MW-5	Project Name: Hobbs GW		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Dichlorodifluoromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Chloromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Vinyl Chloride	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Bromomethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Chloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Trichlorofluoromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,1-Dichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Methylene Chloride	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
trans-1,2-Dichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Methyl tert-butyl ether	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,1-Dichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
cis-1,2-Dichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Bromochloromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Chloroform	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
2,2-Dichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,2-Dichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,1,1-Trichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,1-Dichloropropene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Carbon Tetrachloride	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Benzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Dibromomethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,2-Dichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Trichloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Bromodichloromethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
cis-1,3-Dichloropropene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
trans-1,3-Dichloropropene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,1,2-Trichloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Toluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,3-Dichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Chlorodibromomethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,2-Dibromoethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Tetrachloroethene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,1,1,2-Tetrachloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Chlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT

Report No.: 2000090127

11/03/2000

Client: Enercon

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TEST RESULTS BY SAMPLE

Sample No.: 6	Date Collected: 09/18/2000	Time Collected: 15:45:00	Matrix: Groundwater
Description: MW-5	Project Name: Hobbs GW		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Ethylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Xylenes, total	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Bromoform	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Styrene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,1,2,2-Tetrachloroethane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,2,3-Trichloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Isopropylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Bromobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
n-Propylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
2-Chlorotoluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
4-Chlorotoluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,3,5-Trimethylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
tert-Butylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,2,4-Trimethylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
sec-Butylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,3-Dichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,4-Dichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
p-Isopropyltoluene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,2-Dichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
n-Butylbenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,2-Dibromo-3-chloropropane	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,2,4-Trichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Naphthalene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Hexachlorobutadiene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
1,2,3-Trichlorobenzene	SW-846 5030B/8260B	<0.005	mg/L	0.0050	09/29/2000	MAT
Dibromofluoromethane	8260 Surrogate	102	% Rec.	0.0000	09/29/2000	MAT
Toluene-d8	8260 Surrogate	107	% Rec.	0.0000	09/29/2000	MAT
p-Bromofluorobenzene	8260 Surrogate	130	% Rec.	0.0000	09/29/2000	MAT

Report No.: 2000090127

11/03/2000

Client: Enercon

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TEST RESULTS BY SAMPLE

Sample No.: 6 Date Collected: 09/18/2000 Time Collected: 15:45:00 Matrix: Groundwater
Description: MW-5 Project Name: Hobbs GW

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7470A	<0.002	mg/L	0.0020	10/02/2000	KF
Arsenic	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Barium	SW-846 3010A/6020	<1.00	mg/L	1.0000	10/10/2000	KF
Cadmium	SW-846 3010A/6020	<0.005	mg/L	0.0050	10/03/2000	KF
Chromium	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/10/2000	KF
Lead	SW-846 3010A/6020	0.040	mg/L	0.0150	10/03/2000	KF
Selenium	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Silver	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Calcium	SW-846 3010A/6020	201	mg/L	1.0000	10/03/2000	KF
Potassium	SW-846 3010A/6020	7.72	mg/L	1.0000	10/03/2000	KF
Magnesium	SW-846 3010A/6020	38.9	mg/L	1.0000	10/03/2000	KF
Sodium	SW-846 3010A/6020	279	mg/L	1.0000	10/03/2000	KF
Copper	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF
Iron	SW-846 3010A/6020	<1.00	mg/L	1.0000	10/03/2000	KF
Manganese	SW-846 3010A/6020	<0.200	mg/L	0.2000	10/10/2000	KF
Zinc	SW-846 3010A/6020	<0.050	mg/L	0.0500	10/03/2000	KF

Report No.: 2000090127

11/03/2000

Client: Enercon

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TEST RESULTS BY SAMPLE

Sample No.: 6

Date Collected: 09/18/2000

Time Collected: 15:45:00

Matrix: Groundwater

Description: MW-5

Project Name: Hobbs GW

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	2.28	mg/L	0.1000	10/03/2000	KF
Chloride	EPA 300.0	370	mg/L	0.1000	10/03/2000	KF
Sulfate	EPA 300.0	222	mg/L	1.0000	10/03/2000	KF
Nitrate-N	EPA 300.0	14.0	mg/L	0.1000	10/03/2000	KF
Nitrite	EPA 300.0	611	mg/L	0.1000	10/03/2000	KF
Bicarbonate/Carbonate	EPA 310.1	171/1.24	mg/L	1.0000	09/21/2000	TW
Anion/Cation Balance	1030-F	80.0	%	0.0000	10/04/2000	KF
Total Dissolved Solids	160.1	1550	mg/L	10.0000	09/22/2000	CH

QC SUMMARY REPORT

Batch: 505 w

Volatile Organics Compounds by GC/MS - Water

Sample Lab Control Spikes (LCS/LCSD)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	LCS		LCSD		MS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
1,1-Dichloroethene	<0.005	0.100	0.093	92.6%	0.093	93.2%	1%	± 30	70 - 130
Chloroform	<0.005	0.100	0.093	93.4%	0.102	101.8%	9%	± 30	70 - 130
Trichloroethylene	<0.005	0.100	0.096	96.4%	0.104	103.6%	7%	± 30	70 - 130
1,2-Dichloropropane	<0.005	0.100	0.087	87.2%	0.104	103.8%	17%	± 30	70 - 130
Toluene	<0.005	0.100	0.099	99.4%	0.108	108.0%	8%	± 30	70 - 130
Chlorobenzene	<0.005	0.100	0.092	92.2%	0.096	96.2%	4%	± 30	70 - 130

Sample Matrix Spikes (MSMSD)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		MSD		LS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
1,1-Dichloroethene	<0.005	0.100	0.100	100.2%	0.119	118.8%	17%	± 30	70 - 130
Chloroform	<0.005	0.100	0.106	105.8%	0.119	119.0%	12%	± 30	70 - 130
Trichloroethylene	<0.005	0.100	0.118	118.2%	0.126	126.4%	7%	± 30	70 - 130
1,2-Dichloropropane	<0.005	0.100	0.112	111.8%	0.106	105.6%	6%	± 30	70 - 130
Toluene	<0.005	0.100	0.112	111.6%	0.127	126.8%	13%	± 30	70 - 130
Chlorobenzene	<0.005	0.100	0.109	109.0%	0.120	120.0%	10%	± 30	70 - 130

Sample Spiked: 2000090189-1

Project(s) In Batch:

2000090086

2000090139

2000090189

2000090127

2000090165

2000090138

2000090166

QC SUMMARY REPORT

QC Batch ID: 100200

Metals by EPA Method 6020

Mercury by Method 7470A

Laboratory Control Sample (LCS)

Method Blank Results

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Calcium	<DL	1.00	0.774	77.0%	75 - 125
Copper	<DL	0.020	0.015	75.0%	75 - 125
Arsenic	<DL	0.02	0.019	94.0%	75 - 125
Barium	<DL	0.02	0.017	84.0%	75 - 125
Zinc	<DL	1.00	0.761	76.0%	75 - 125
Cadmium	<DL	0.02	0.018	91.0%	75 - 125
Chromium	<DL	0.02	0.017	85.0%	75 - 125
Iron	<DL	0.50	0.442	88.0%	75 - 125
Lead	<DL	0.02	0.018	89.0%	75 - 125
Potassium	<DL	1.00	0.881	88.0%	75 - 125
Mercury	0.025	0.10	0.130	105.0%	75 - 125
Magnesium	<DL	1.00	0.955	96.0%	75 - 125
Sodium	<DL	1.00	0.945	95.0%	75 - 125
Selenium	<DL	0.02	0.021	104.0%	75 - 125
Manganese	<DL	0.02	0.016	80.0%	75 - 125
Silver	<DL	0.02	0.025	125.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Calcium	243	1.00	246	300.0%	75 - 125
Arsenic	<0.050	1.00	0.879	87.0%	75 - 125
Barium	<2.00	1.00	0.903	65.0%	75 - 125
Cadmium	<0.005	1.00	0.777	78.0%	75 - 125
Chromium	<0.100	1.00	0.567	56.0%	75 - 125
Lead	<0.015	1.00	0.649	65.0%	75 - 125
Mercury	<0.002	0.25	0.238	95.0%	75 - 125
Magnesium	27.5	1.00	30.01	251.0%	75 - 125
Sodium	163	1.00	183	2000.0%	75 - 125
Selenium	<0.050	1.00	0.893	89.0%	75 - 125
Silver	<0.050	1.00	0.047	5.0%	75 - 125

Sequence Date(s): 10/2/00

Batch Extraction/Prep Date:

10/1/00

Sample ID - MS/MSD: 2000000127-1
200000127-5 Hg)

Data Qualifiers: NONE - associated with this batch of samples.

QC SUMMARY REPORT

QC Batch ID: 100300

Anions by EPA Method 300.0

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike, Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Fluoride	<DL	10.000	10.112	101.0%	75 - 125
Chloride	<DL	50.00	48.980	98.0%	75 - 125
Nitrite	<DL	15.00	14.553	97.0%	75 - 125
Nitrate	<DL	10.00	11.720	117.0%	75 - 125
Sulfate	<DL	50.00	49.171	98.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Fluoride	2.7	10.00	12.992	103.0%	75 - 125
Chloride	232	10.00	241.933	97.0%	75 - 125
Nitrite	369	10.00	369.000	0.0%	75 - 125
Nitrate	14.9	10.00	21.725	69.0%	75 - 125
Sulfate	221	10.00	221.000	0.0%	75 - 125

Sequence Date(s): 9/19/00 (NO3) &
10/3/2000

Batch Extraction/Prep Date:

10/3/00

Sample ID - MS/MSD: 2000090127-3

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090127

QC SUMMARY REPORT

QC Batch ID: 92100

Alkalinity - Bicarbonate/Carbonate by EPA Method 310.1

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria
			Result (ppm)	Recovery (%)	Spike % Recovery (Low - High Limit)
Alkalinity	1.00	79.42	80.00	101.0%	80 - 120

Sample/Sample Duplicate

CONSTITUENT	Sample Result (ppm)	Sample Dup (ppm)	Dup	QC Acceptance Criteria
			Recovery (%)	% Recovery (Low - High Limit)
Alkalinity	373.00	370.00	100.0%	75 - 125

Sequence Date(s): 9/21/00

Batch Extraction/Prep Date:

9/21/00

Sample ID - Sample/Dup 2000090127-1

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090127

Laboratory Order Variance & Documentation Tracking Form
MILLENNIUM Laboratories, Inc.

Sample Log-In Check List

☒ No problems were detected during the log-in for the sampling event received.

☐ Please see the item(s) checked below.

Problem(s) related to Shipping and Handling of Coolers & Documentation

☐ Shipping/Cooler Custody-Seal was damaged

☐ Sample(s) received without refrigeration/cool ($> 4^{\circ}\text{C}$)

☐ Sample(s) were damaged during shipping (see note below)

☐ Documentation incomplete or missing (see note below)

Problem(s) related to specific sections of the Chain of Custody

☐ Report To:

☐ Billing information:

☐ Project information:

☐ Collection Date/Time:

☐ Sample Matrix

☐ Analytical Requested:

☐ Broken/Missing Sample(s):

Corrective Action Taken:

Sample Control

Coordinator: CH

Date: 9-19-00

Approved by: APB

MILLENNIUM Labs - Project Number

2000- 090127

Date Rec'd 9-19

Date Due: 10-3

Rush ☐

Client

Enrica

Project No:

ES 707

Site:

Hubbs 6W

Project Mgr:

Mike Ambisco

Phone:

Report Tracking

Report Type	ML Staff Initials	Date completed
Faxed Rpt. ☒		☐ No Fax Required
Case Narrative Completed		
Final Rpt. Mailed		

Quality Assurance Tracking

Add'l Item(s) client has for this sampling event

Quality Assurance Req'd

☐ BTEX or BTEX/MIBE

☐ TPH (TX1005)

☐ Nitrate/Sulfate

☒ Metals

☐ VOCs by GC-MS

☐ SVOC by GC-MS

☐ PAH

☐ Pesticides

☐ Herbicides

☐ PCBs

☐

QA/QC Filed

Variance Filed

Initials/Date

Initials/Date

Gen. Chem

Analytical Parameters Added:

☐ PAH

Analyzed Sample #

☐

Analyzed Sample #

☐

Analyzed Sample #

☐

Analyzed Sample #

Sub-Contracted Analyses

GROTECHS WLE

Send

Recd:

Lab

INVOICE Tracking

☐ FUNDED Project (verify billing address)

☐ CASH Project

☐ Other: _____

RUSH FEES ☐ Yes ☐ No

Date Invoice

Printed

Invoice

Number

Invoice

Amount

Invoice Created By:

☐

Mailed with Report to Project Manager

☐

Other:

Notes:

Chain-of-Custody Record

REPORT TO:

BILLING INFORMATION

PROJECT INFORMATION

Millennium Labs - Project Number

Page

1

Company: *Emco Inc*

PO No.:

Project Number

2000 -

LAB USE ONLY

Page Number Each Chain PER PROJ: JT ONLY

Mailing Address

☐ Invoice per Fee Schedule Established for our firm:
☒ Special Project: Invoice as per project quote. Please attach quotation

Site Name/Location to 20 characters:

☐ PAH-Soil: If $C_{10}C_{12}$ total > 100 ppm. Analyze one sample with the highest $C_{10}C_{12}$ concentration

City

ST: Zip:

☐ Direct Billing-Third Party: Attach sheet or use Remarks section for detailsSampled by: *W. J. Smith*☐ PAH-Water: If $C_{10}C_{12}$ total > 5.0 ppm; select sample with lowest aromatic content [total BTEX]

Phone

☐ Direct Billing-Third Party: Attach sheet or use Remarks section for details

Front Disposal Facility

☐ TDS: Analyze the cleanest sampling point based on TPH total; if (TP) parameters which exceed 20 times the TCLP Limits

Fax

☐ Direct Billing-Third Party: Attach sheet or use Remarks section for details

Based on VOC results; run TCLP Extraction (parameters which exceed 20 times the TCLP Limits)

☐ TCLP-Metals: Based on Total Metals results; run TCLP Extraction (parameters which exceed 20 times the TCLP Limits)

Report

☐ Direct Billing-Third Party: Attach sheet or use Remarks section for details

Based on VOC results; run TCLP Extraction (parameters which exceed 20 times the TCLP Limits)

☐ TCLP-Volatiles: compounds which exceed; (attach sheet or use form)

Attn:

☐ Direct Billing-Third Party: Attach sheet or use Remarks section for details

Based on VOC results; run TCLP Extraction (parameters which exceed 20 times the TCLP Limits)

☐ TCLP-Volatiles: compounds which exceed; (attach sheet or use form)

Remarks:

☐ Direct Billing-Third Party: Attach sheet or use Remarks section for details

Based on VOC results; run TCLP Extraction (parameters which exceed 20 times the TCLP Limits)

☐ TCLP-Volatiles: compounds which exceed; (attach sheet or use form)

Lab No. Sample Identification

Collected Date Time Matrix Method days

Total Lead 60108

BTEX/MTBE 8021

TPH 1005 418.1 80

(8) RCRA Metals

Volatile Organics 826

Semi-Volatiles 8270

PAH 8310 8100 82

Pesticides 8081

Herbicides 8151

Additional Parameters

Comments

Please use space below or attach additional sheet(s)

Total Number of Bottles per location

1

2

3

4

5

6

7

8

9

10

1

Date Time Matrix Method days

Total Lead 60108

BTEX/MTBE 8021

TPH 1005 418.1 80

(8) RCRA Metals

Volatile Organics 826

Semi-Volatiles 8270

PAH 8310 8100 82

Pesticides 8081

Herbicides 8151

Additional Parameters

Comments

Please use space below or attach additional sheet(s)

Total Number of Bottles per location

1

2

3

4

5

6

7

8

9

10

2

Date Time Matrix Method days

Total Lead 60108

BTEX/MTBE 8021

TPH 1005 418.1 80

(8) RCRA Metals

Volatile Organics 826

Semi-Volatiles 8270

PAH 8310 8100 82

Pesticides 8081

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Additional Parameters

Comments

Please use space below or attach additional sheet(s)

Total Number of Bottles per location

1

2

3

4

5

6

7

8

9

10

3

Date Time Matrix Method days

Total Lead 60108

BTEX/MTBE 8021

TPH 1005 418.1 80

(8) RCRA Metals

Volatile Organics 826

Semi-Volatiles 8270

PAH 8310 8100 82

Pesticides 8081

Herbicides 8151

Additional Parameters

Comments

Please use space below or attach additional sheet(s)

Total Number of Bottles per location

1

2

3

4

5

6

7

8

9

10

4

Date Time Matrix Method days

Total Lead 60108

BTEX/MTBE 8021

TPH 1005 418.1 80

(8) RCRA Metals

Volatile Organics 826

Semi-Volatiles 8270

PAH 8310 8100 82

Pesticides 8081

Herbicides 8151

Additional Parameters

Comments

Please use space below or attach additional sheet(s)

Total Number of Bottles per location

1

2

3

4

5

6

7

8

9

10

5

Date Time Matrix Method days

Total Lead 60108

BTEX/MTBE 8021

TPH 1005 418.1 80

(8) RCRA Metals

Volatile Organics 826

Semi-Volatiles 8270

PAH 8310 8100 82

Pesticides 8081

Herbicides 8151

Additional Parameters

Comments

Please use space below or attach additional sheet(s)

Total Number of Bottles per location

1

2

3

4

5

6

7

8

9

10

6

Date Time Matrix Method days

Total Lead 60108

BTEX/MTBE 8021

TPH 1005 418.1 80

(8) RCRA Metals

Volatile Organics 826

Semi-Volatiles 8270

PAH 8310 8100 82

Pesticides 8081

Herbicides 8151

Additional Parameters

Comments

Please use space below or attach additional sheet(s)

Total Number of Bottles per location

1

2

3

4

5

6

7

8

9

10

Relinquished by *W. J. Smith*Date: *9/18/00* Time: *1545*

Received by:

Date:

Time:

Condition of Sample(s) Received At Lab

Custody Seal Intact

Sample(s) Rec'd

Yes

No

Temperature of Sam. (e(s))

Yes

No

Relinquished by

Date:

Time:

Condition of Sample(s) Received At Lab

Custody Seal Intact

Sample(s) Rec'd

Yes

No

Temperature of Sam. (e(s))

Yes

No

Method of shipment: [see back copy for shipping address & instructions]

Grayhound

Next-day Air

Contract

Laboratory

OTC-Delivery

From Client

Express

FedEx-UPS

Courier

Personnel

Method of shipment: [see back copy for shipping address & instructions]

Grayhound

Next-day Air

Contract

Laboratory

OTC-Delivery

From Client

Express

FedEx-UPS

Courier

Personnel

MILLENNIUM Laboratories, Inc.

1544 SAWDUST ROAD * SUITE 402 * THE WOODLANDS, TEXAS 77380 * 281-362-8490

CLIENT: Mike Amabisco
Enercon
8866 Gulf Freeway, Suite 380
Houston, TX 77017

Report No.: 2000090128
Report Date: 10/05/2000

Phone: 713-941-0401

Fax: 713-941-0402

Project Name: Hobbs
Project Number: ES 705
Received: 09/19/2000

Sampled by: Mike Amabisco

Lab Number

2000090128-1
2000090128-2
2000090128-3
2000090128-4
2000090128-5
2000090128-6
2000090128-7
2000090128-8
2000090128-9
2000090128-10
2000090128-11
2000090128-12
2000090128-13
2000090128-14
2000090128-15
2000090128-16
2000090128-17
2000090128-18
2000090128-19
2000090128-20
2000090128-21
2000090128-22
2000090128-23
2000090128-24
2000090128-25
2000090128-26

Sample Identification

17-0810-A
17-1315-A
17-1820-A
17-1820-B
17-2325-A
16-0305-A
16-0810-A
16-1315-A
16-1820-A
16-2325-A
19-0305-A
19-0305-B
19-0810-A
19-1315-A
19-1820-A
6-0002-A
6-0204-A
6-0204-B
8-0002-A
8-0204-A
4-0002-A
4-0204-A
7-0002-A
7-0204-A
5-0002-A
5-0204-A

REVISED

Our letters and reports are for the exclusive use of the client to whom they are addressed and shall not be reproduced except in full without the approval of the testing laboratory. The use of our name must receive our prior written approval. Our letters and reports apply only to the samples tested and are not necessarily indicative of the qualities of apparently identical or similar samples.

MILLENNIUM LABORATORIES, Inc.

Amanda Bourgeois
Technical - QA/QC review by : *AB*

Gina M. Tatossian
Gina M. Tatossian

Project Name: Hobbs
Project Number: ES 705
Received: 09/19/2000

Sampled by: Mike Amabisco

Lab Number

2000090128-27
2000090128-28
2000090128-29
2000090128-30
2000090128-31
2000090128-32
2000090128-33
2000090128-34
2000090128-35
2000090128-36
2000090128-37
2000090128-38

Sample Identification

1-0001-A
2-0001-A
3-0001-A
19-2325-A
21-0305-A
21-0305-B
21-0810-A
21-1315-A
18-0305-A
18-0810-A
18-1315-A
18-1820-A

REVISED



**MILLENNIUM
LABORATORIES, INC.**

October 5, 2000

Enercon
Mike Amabisco
8866 Gulf Freeway, Suite 380
Houston, TX 77017

Millennium Labs Order Number: 2000090128
Project Name: Hobbs
Project Number: ES 705

Dear Mr. Amabisco:

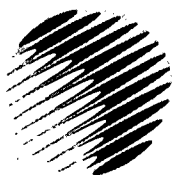
Enclosed you find the results of the samples submitted to Millennium Laboratories on 09/19/00 from the site referenced above.

Your sample "6-0204-A" (Millennium ID: 2000090128-17) was randomly chosen for use in Millennium's Quality Control Program for Semi-Volatile Compound analysis by method 8270C. The Matrix Spike and Martix Spike Duplicate recoveries were outside the quality control limit for several analytes, due to matrix interference. A Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were analyzed as part of the analytical batch and all recoveries were within acceptable limits.

Your sample "17-1315-A" (Millennium ID: 2000090128-2) was randomly chosen for use in Millennium's Quality Control Program for Metals analysis by method 6020. The Matrix Spike recovery was outside the quality control limit for several analytes, due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as part of the analytical batch and all recoveries were within acceptable limits.

Your sample "6-0204-B" (Millennium ID: 2000090128-18) was randomly chosen for use in Millennium's Quality Control Program for Metals analysis by method 6020. The Matrix Spike recovery was outside the quality control limit for several analytes, due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as part of the analytical batch and all recoveries were within acceptable limits.

Your sample "5-0002-A" (Millennium ID: 2000090128-25) was randomly chosen for use in Millennium's Quality Control Program for Metals analysis by method 6020. The Matrix Spike recovery was outside the quality control limit for several analytes, due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as part of the analytical batch and all recoveries were within acceptable limits.



**MILLENNIUM
LABORATORIES, INC.**

Your sample "18-0305-A" (Millennium ID: 2000090128-35) was randomly chosen for use in Millennium's Quality Control Program for Metals analysis by method 6020. The Matrix Spike recovery was outside the quality control limit for several analytes, due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as part of the analytical batch and all recoveries were within acceptable limits.

Your sample "19-0305A" (Millennium ID: 2000090128-11) was randomly chosen for use in Millennium's Quality Control Program for Anions analysis by method 300.0. The Matrix Spike recovery was outside the quality control limit for several analytes, due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as part of the analytical batch and all recoveries were within acceptable limits.

Your sample "4-0204-A" (Millennium ID: 2000090128-22) was randomly chosen for use in Millennium's Quality Control Program for Anions analysis by method 300.0. The Matrix Spike recovery was outside the quality control limit for several analytes, due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as part of the analytical batch and all recoveries were within acceptable limits.

Your sample "19-2325-A" (Millennium ID: 2000090128-30) was randomly chosen for use in Millennium's Quality Control Program for Anions analysis by method 300.0. The Matrix Spike recovery was outside the quality control limit for several analytes, due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as part of the analytical batch and all recoveries were within acceptable limits.

All procedures and analyses have been reviewed and meet the Quality Control limits established at Millennium Laboratories.

This report retains its validity and integrity only when reported in full and accompanied by this letter. Any other use of this report must be granted, in writing, by Millennium Laboratories.

All samples pertaining to this Order Number will be disposed of 60 days after the date of receipt, unless otherwise arranged in writing.

Please do not hesitate to contact us if you have any questions or comments concerning this report. Please reference the above Work Order Number.

Sincerely,

Gina M. Tatosian
Senior Project Manager

Report No.: 2000090128

11/03/2000

Client: Enercon

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TEST RESULTS BY SAMPLE

Sample No.: 1	Date Collected: 09/16/2000	Time Collected: 07:50:00	Matrix: Soil
Description: 17-0810-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	2.05	mg/Kg	0.1250	09/27/2000	SCS
Toluene	SW-846 5030B/8021B	5.72	mg/Kg	0.1250	09/27/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	13.6	mg/Kg	0.1250	09/27/2000	SCS
Xylenes, total	SW-846 5030B/8021B	23.3	mg/Kg	0.1250	09/27/2000	SCS

Report No.: 2000090128

11/03/2000

Client: Enercon

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TEST RESULTS BY SAMPLE

Sample No.: 1	Date Collected: 09/16/2000	Time Collected: 07:50:00	Matrix: Soil
Description: 17-0810-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	24100	mg/Kg	1000.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 2	Date Collected: 09/16/2000	Time Collected: 08:00:00	Matrix: Soil
Description: 17-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	1.37	mg/Kg	0.1250	09/27/2000	SCS
Toluene	SW-846 5030B/8021B	2.96	mg/Kg	0.1250	09/27/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	9.61	mg/Kg	0.1250	09/27/2000	SCS
Xylenes, total	SW-846 5030B/8021B	14.4	mg/Kg	0.1250	09/27/2000	SCS

Report No.: 2000090128

11/03/2000

Client: Enercon

TEST RESULTS BY SAMPLE

Sample No.: 2	Date Collected: 09/16/2000	Time Collected: 08:00:00	Matrix: Soil
Description: 17-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	27400	mg/Kg	1000.0000	10/01/2000	MAT

Report No.: 2000090128

11/03/2000

Client: Enercon

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TEST RESULTS BY SAMPLE

Sample No.: 2 Date Collected: 09/16/2000 Time Collected: 08:00:00 Matrix: Soil
Description: 17-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	20.0	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	876	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.65	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	2.06	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Calcium	SW-846 3050B/6020	121,378	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	3,270	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	16,913	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	491	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	1.06	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	4,594	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	92.5	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	11.5	mg/Kg	1.0000	09/25/2000	KF

Report No.: 2000090128

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TEST RESULTS BY SAMPLE

Sample No.: 2 Date Collected: 09/16/2000 Time Collected: 08:00:00 Matrix: Soil
Description: 17-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	16.1	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	4,759	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	64.7	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	78.9/0.63	mg/Kg	1.0000	09/21/2000	TW

Report No.: 2000090128

11/03/2000

Client: Enercon

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TEST RESULTS BY SAMPLE

Sample No.: 3 Date Collected: 09/16/2000 Time Collected: 08:15:00 Matrix: Soil
Description: 17-1820-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.172	mg/Kg	0.1250	09/27/2000	SCS
Toluene	SW-846 5030B/8021B	0.415	mg/Kg	0.1250	09/27/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	3.34	mg/Kg	0.1250	09/27/2000	SCS
Xylenes, total	SW-846 5030B/8021B	6.12	mg/Kg	0.1250	09/27/2000	SCS

Report No.: 2000090128

11/03/2000

Client: Enercon

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TEST RESULTS BY SAMPLE

Sample No.: 3	Date Collected: 09/16/2000	Time Collected: 08:15:00	Matrix: Soil
Description: 17-1820-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	10300	mg/Kg	100.0000	10/01/2000	MAT

Report No.: 2000090128

11/03/2000

Client: Enercon

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TEST RESULTS BY SAMPLE

Sample No.: 4	Date Collected: 09/16/2000	Time Collected: 08:15:00	Matrix: Soil
Description: 17-1820-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	<0.125	mg/Kg	0.1250	09/27/2000	SCS
Toluene	SW-846 5030B/8021B	0.393	mg/Kg	0.1250	09/27/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	2.38	mg/Kg	0.1250	09/27/2000	SCS
Xylenes, total	SW-846 5030B/8021B	4.42	mg/Kg	0.1250	09/27/2000	SCS

Report No.: 2000090128

11/03/2000

Client: Enercon

TEST RESULTS BY SAMPLE

Sample No.: 4	Date Collected: 09/16/2000	Time Collected: 08:15:00	Matrix: Soil
Description: 17-1820-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	14800	mg/Kg	1000.0000	10/01/2000	MAT

Report No.: 2000090128

11/03/2000

Client: Enercon

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TEST RESULTS BY SAMPLE

Sample No.: 5 Date Collected: 09/16/2000 Time Collected: 08:30:00 Matrix: Soil
Description: 17-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	6320	mg/Kg	100.0000	10/01/2000	MAT

Report No.: 2000090128

11/03/2000

Client: Enercon

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TEST RESULTS BY SAMPLE

Sample No.: 5	Date Collected: 09/16/2000	Time Collected: 08:30:00	Matrix: Soil
Description: 17-2325-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
N-Nitrosodimethylamine	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Phenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Bis(2-chloroethyl)ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2-Chlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
1,3-Dichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
1,4-Dichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
1,2-Dichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2-Methylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Bis(2-chloroisopropyl)ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
4-Methylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
N-Nitrosodi-n-propylamine	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Hexachloroethane	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Nitrobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Isophorone	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2-Nitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2,4-Dimethylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Bis(2-chloroethoxy)methane	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2,4-Dichlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
1,2,4-Trichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Naphthalene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
4-Chloroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Hexachlorobutadiene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
4-Chloro-3-methylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2-Methylnaphthalene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Hexachlorocyclopentadiene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2,4,6-Trichlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2,4,5-Trichlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2-Chloronaphthalene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2-Nitroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Dimethyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2,6-Dinitrotoluene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Acenaphthylene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
3-Nitroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Acenaphthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE

Report No.: 2000090128

11/03/2000

Client: Enercon

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TEST RESULTS BY SAMPLE

Sample No.: 5	Date Collected: 09/16/2000	Time Collected: 08:30:00	Matrix: Soil
Description: 17-2325-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2,4-Dinitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
4-Nitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Dibenzofuran	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2,4-Dinitrotoluene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Diethyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Fluorene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
4-Chlorophenylphenyl ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
4-Nitroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2-Methyl-4,6-dinitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Azobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
4-Bromophenylphenyl ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Hexachlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Pentachlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Phenanthrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Anthracene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Carbazole	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Di-n-butyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Fluoranthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Pyrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Butylbenzyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Benzo(a)anthracene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Chrysene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Bis(2-ethylhexyl)phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Di-n-octyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Benzo(b)fluoranthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Benzo(k)fluoranthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Benzo(a)pyrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Indeno(1,2,3-cd)pyrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Dibenzo(a,h)anthracene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Benzo(ghi)perylene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2-Fluorophenol	8270 Surrogate	MI	% Rec.	0.0000	10/03/2000	TRE
Phenol-d6	8270 Surrogate	MI	% Rec.	0.0000	10/03/2000	TRE
2,4,6-Tribromophenol	8270 Surrogate	MI	% Rec.	0.0000	10/03/2000	TRE
Nitrobenzene-d5	8270 Surrogate	MI	% Rec.	0.0000	10/03/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 5	Date Collected: 09/16/2000	Time Collected: 08:30:00	Matrix: Soil
Description: 17-2325-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2-Fluorobiphenyl	8270 Surrogate	MI	% Rec.	0.0000	10/03/2000	TRE
Terphenyl-d14	8270 Surrogate	MI	% Rec.	0.0000	10/03/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 5 Date Collected: 09/16/2000 Time Collected: 08:30:00 Matrix: Soil
Description: 17-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	25.7	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	507	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.38	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	3.71	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Calcium	SW-846 3050B/6020	211,182	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	633	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	12,642	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	2,744	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	<1.00	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	1,379	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	24.1	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	5.02	mg/Kg	1.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 5 Date Collected: 09/16/2000 Time Collected: 08:30:00 Matrix: Soil
Description: 17-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	11.1	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	6,013	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	52.9	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	4.26	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	43.9/0.12	mg/Kg	1.0000	09/21/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 6	Date Collected: 09/16/2000	Time Collected: 09:05:00	Matrix: Soil
Description: 16-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	0.374	mg/Kg	0.1250	09/29/2000	SCS
Toluene	SW-846 5030B/8021B	0.699	mg/Kg	0.1300	09/29/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	5.61	mg/Kg	0.1300	09/29/2000	SCS
Xylenes, total	SW-846 5030B/8021B	9.11	mg/Kg	0.1300	09/29/2000	SCS

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TEST RESULTS BY SAMPLE

Sample No.: 6 Date Collected: 09/16/2000 Time Collected: 09:05:00 Matrix: Soil
Description: 16-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	71900	mg/Kg	1000.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 6 Date Collected: 09/16/2000 Time Collected: 09:05:00 Matrix: Soil
Description: 16-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	0.276	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	34.8	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	2,163	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.85	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	22.2	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	76.6	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Calcium	SW-846 3050B/6020	124,941	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	1,138	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	3,867	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	1,111	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	31.9	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	7,101	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	83.8	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	392	mg/Kg	1.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 6 Date Collected: 09/16/2000 Time Collected: 09:05:00 Matrix: Soil
Description: 16-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	8.70	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	1,347	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	211	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	50.0/0.31	mg/Kg	1.0000	09/21/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 7 Date Collected: 09/16/2000 Time Collected: 09:15:00 Matrix: Soil
Description: 16-0810-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	<10.0	mg/Kg	10.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 8 Date Collected: 09/16/2000 Time Collected: 09:30:00 Matrix: Soil
Description: 16-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	675	mg/Kg	10.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 8	Date Collected: 09/16/2000	Time Collected: 09:30:00	Matrix: Soil
Description: 16-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	28.0	mg/Kg	5.0000	09/25/2000	KF
Barium	SW-846 3050B/6010B	183	mg/Kg	5.0000	09/25/2000	KF
Cadmium	SW-846 3050B/6010B	1.52	mg/Kg	0.5000	09/25/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Lead	SW-846 3050B/6010B	<1.00	mg/Kg	1.0000	09/25/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Silver	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/25/2000	KF
Calcium	SW-846 3050B/6020	137,847	mg/Kg	1.0000	10/04/2000	KF
Potassium	SW-846 3050B/6020	246	mg/Kg	1.0000	10/04/2000	KF
Magnesium	SW-846 3050B/6020	37,126	mg/Kg	1.0000	10/04/2000	KF
Sodium	SW-846 3050B/6020	1,479	mg/Kg	1.0000	10/04/2000	KF
Copper	SW-846 3050B/6010B	2.94	mg/Kg	1.0000	09/25/2000	KF
Iron	SW-846 3050B/6010B	1,906	mg/Kg	1.0000	09/25/2000	KF
Manganese	SW-846 3050B/6020	46.2	mg/Kg	1.0000	10/04/2000	KF
Zinc	SW-846 3050B/6010B	7.30	mg/Kg	1.0000	09/25/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 8

Date Collected: 09/16/2000

Time Collected: 09:30:00

Matrix: Soil

Description: 16-1315-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	9.05	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	3,333	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	<1.00	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	26.3/0.07	mg/Kg	1.0000	09/21/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 9

Date Collected: 09/16/2000

Time Collected: 09:45:00

Matrix: Soil

Description: 16-1820-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	873	mg/Kg	10.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 10	Date Collected: 09/16/2000	Time Collected: 10:00:00	Matrix: Soil
Description: 16-2325-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	<10.0	mg/Kg	10.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 10 Date Collected: 09/16/2000 Time Collected: 10:00:00 Matrix: Soil
Description: 16-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	0.218	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	18.8	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	216	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.29	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	5.52	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF
Calcium	SW-846 3050B/6020	162,584	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	213	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	24,491	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	1,833	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	3.54	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	1,192	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	25.5	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	8.38	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 10 Date Collected: 09/16/2000 Time Collected: 10:00:00 Matrix: Soil

Description: 16-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	14.4	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	3,828	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	226	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	23.2/0.05	mg/Kg	1.0000	09/21/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 11 Date Collected: 09/16/2000 Time Collected: 10:40:00 Matrix: Soil

Description: 19-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	<10.0	mg/Kg	10.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 11 Date Collected: 09/16/2000 Time Collected: 10:40:00 Matrix: Soil
Description: 19-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	21.6	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	199	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.13	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	5.58	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF
Calcium	SW-846 3050B/6020	219,395	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	839	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	3,160	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	899	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	2.29	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	1,529	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	23.8	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	7.97	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 11	Date Collected: 09/16/2000	Time Collected: 10:40:00	Matrix: Soil
Description: 19-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	16.0	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	986	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	529	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	47.4	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	19.1/0.06	mg/Kg	1.0000	09/21/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 12 Date Collected: 09/16/2000 Time Collected: 10:40:00 Matrix: Soil

Description: 19-0305-B Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	<10.0	mg/Kg	10.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 12	Date Collected: 09/16/2000	Time Collected: 10:40:00	Matrix: Soil
Description: 19-0305-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	0.309	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	25.5	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	233	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.34	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	5.00	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF
Calcium	SW-846 3050B/6020	235,775	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	541	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	3,057	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	934	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	2.20	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	630	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	19.1	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	3.78	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 12 Date Collected: 09/16/2000 Time Collected: 10:40:00 Matrix: Soil
Description: 19-0305-B Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	20.2	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	854	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	460	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	37.4	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	60.3/0.30	mg/Kg	1.0000	09/21/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 13	Date Collected: 09/16/2000	Time Collected: 10:50:00	Matrix: Soil
Description: 19-0810-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	<10.0	mg/Kg	10.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 14	Date Collected: 09/16/2000	Time Collected: 11:05:00	Matrix: Soil
Description: 19-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	<10.0	mg/Kg	10.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 14	Date Collected: 09/16/2000	Time Collected: 11:05:00	Matrix: Soil
Description: 19-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	27.0	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	219	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.22	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	5.55	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	6.04	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF
Calcium	SW-846 3050B/6020	167,222	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	1,162	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	13,364	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	775	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	3.33	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	3,130	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	47.4	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	10.9	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 16 Date Collected: 09/16/2000 Time Collected: 15:35:00 Matrix: Soil
Description: 6-0002-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	0.368	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	22.0	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	299	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.23	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	13.9	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF
Calcium	SW-846 3050B/6020	232,609	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	526	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	3,304	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	733	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	3.80	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	729	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	43.5	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	21.0	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 16

Date Collected: 09/16/2000

Time Collected: 15:35:00

Matrix: Soil

Description: 6-0002-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Chloride	EPA 300.0	950	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	310	mg/Kg	1.0000	09/30/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 17 Date Collected: 09/16/2000 Time Collected: 15:40:00 Matrix: Soil
Description: 6-0204-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	0.368	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	21.7	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	267	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.19	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	2.38	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF
Calcium	SW-846 3050B/6020	261,474	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	281	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	6,458	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	713	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	1.89	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	477	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	13.8	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	4.64	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 17	Date Collected: 09/16/2000	Time Collected: 15:40:00	Matrix: Soil
Description: 6-0204-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Chloride	EPA 300.0	1,382	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	153	mg/Kg	1.0000	09/30/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 17	Date Collected: 09/16/2000	Time Collected: 15:40:00	Matrix: Soil
Description: 6-0204-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	<10.0	mg/Kg	10.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 17	Date Collected: 09/16/2000	Time Collected: 15:40:00	Matrix: Soil
Description: 6-0204-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
N-Nitrosodimethylamine	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Phenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-chloroethyl)ether	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Chlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,3-Dichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,4-Dichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,2-Dichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Methylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-chloroisopropyl)ether	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Methylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
N-Nitrosodi-n-propylamine	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Hexachloroethane	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Nitrobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Isophorone	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Nitrophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4-Dimethylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-chloroethoxy)methane	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4-Dichlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,2,4-Trichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Naphthalene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Chloroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Hexachlorobutadiene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Chloro-3-methylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Methylnaphthalene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Hexachlorocyclopentadiene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4,6-Trichlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4,5-Trichlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Chloronaphthalene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Nitroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Dimethyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,6-Dinitrotoluene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Acenaphthylene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
3-Nitroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Acenaphthene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 17	Date Collected: 09/16/2000	Time Collected: 15:40:00	Matrix: Soil
Description: 6-0204-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2,4-Dinitrophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Nitrophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Dibenzofuran	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4-Dinitrotoluene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Diethyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Fluorene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Chlorophenylphenyl ether	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Nitroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Methyl-4,6-dinitrophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Azobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Bromophenylphenyl ether	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Hexachlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Pentachlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Phenanthrene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Anthracene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Carbazole	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Di-n-butyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Fluoranthene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Pyrene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Butylbenzyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(a)anthracene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Chrysene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-ethylhexyl)phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Di-n-octyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(b)fluoranthene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(k)fluoranthene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(a)pyrene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Indeno(1,2,3-cd)pyrene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Dibenzo(a,h)anthracene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(ghi)perylene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Fluorophenol	8270 Surrogate	46.7	% Rec.	0.0000	09/28/2000	TRE
Phenol-d6	8270 Surrogate	43.3	% Rec.	0.0000	09/28/2000	TRE
2,4,6-Tribromophenol	8270 Surrogate	35.4	% Rec.	0.0000	09/28/2000	TRE
Nitrobenzene-d5	8270 Surrogate	53.8	% Rec.	0.0000	09/28/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 17 Date Collected: 09/16/2000 Time Collected: 15:40:00 Matrix: Soil
Description: 6-0204-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2-Fluorobiphenyl	8270 Surrogate	38.4	% Rec.	0.0000	09/28/2000	TRE
Terphenyl-d14	8270 Surrogate	40.8	% Rec.	0.0000	09/28/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 18 Date Collected: 09/16/2000 Time Collected: 15:40:00 Matrix: Soil
Description: 6-0204-B Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	0.512	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	25.5	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	359	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.31	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	4.82	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF
Calcium	SW-846 3050B/6020	246,518	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	528	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	5,367	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	563	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	2.42	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	1,161	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	13.7	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	6.44	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 18	Date Collected: 09/16/2000	Time Collected: 15:40:00	Matrix: Soil
Description: 6-0204-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Chloride	EPA 300.0	1,268	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	192	mg/Kg	1.0000	09/30/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 18	Date Collected: 09/16/2000	Time Collected: 15:40:00	Matrix: Soil
Description: 6-0204-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	<10.0	mg/Kg	10.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 18	Date Collected: 09/16/2000	Time Collected: 15:40:00	Matrix: Soil
Description: 6-0204-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
N-Nitrosodimethylamine	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Phenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-chloroethyl)ether	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Chlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,3-Dichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,4-Dichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,2-Dichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Methylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-chloroisopropyl)ether	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Methylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
N-Nitrosodi-n-propylamine	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Hexachloroethane	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Nitrobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Isophorone	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Nitrophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4-Dimethylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-chloroethoxy)methane	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4-Dichlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,2,4-Trichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Naphthalene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Chloroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Hexachlorobutadiene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Chloro-3-methylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Methylnaphthalene	SW-846 3550/8270C	0.368	mg/Kg	0.3300	09/28/2000	TRE
Hexachlorocyclopentadiene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4,6-Trichlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4,5-Trichlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Chloronaphthalene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Nitroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Dimethyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,6-Dinitrotoluene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Acenaphthylene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
3-Nitroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Acenaphthene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 18	Date Collected: 09/16/2000	Time Collected: 15:40:00	Matrix: Soil
Description: 6-0204-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2,4-Dinitrophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Nitrophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Dibenzofuran	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4-Dinitrotoluene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Diethyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Fluorene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Chlorophenylphenyl ether.	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Nitroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Methyl-4,6-dinitrophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Azobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Bromophenylphenyl ether	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Hexachlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Pentachlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Phenanthrene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Anthracene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Carbazole	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Di-n-butyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Fluoranthene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Pyrene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Butylbenzyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(a)anthracene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Chrysene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-ethylhexyl)phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Di-n-octyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(b)fluoranthene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(k)fluoranthene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(a)pyrene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Indeno(1,2,3-cd)pyrene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Dibenzo(a,h)anthracene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(ghi)perylene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Fluorophenol	8270 Surrogate	32.3	% Rec.	0.0000	09/28/2000	TRE
Phenol-d6	8270 Surrogate	29.3	% Rec.	0.0000	09/28/2000	TRE
2,4,6-Tribromophenol	8270 Surrogate	31.6	% Rec.	0.0000	09/28/2000	TRE
Nitrobenzene-d5	8270 Surrogate	10.8	% Rec.	0.0000	09/28/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 18	Date Collected: 09/16/2000	Time Collected: 15:40:00	Matrix: Soil
Description: 6-0204-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2-Fluorobiphenyl	8270 Surrogate	29.7	% Rec.	0.0000	09/28/2000	TRE
Terphenyl-d14	8270 Surrogate	45.0	% Rec.	0.0000	09/28/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 19	Date Collected: 09/16/2000	Time Collected: 15:50:00	Matrix: Soil
Description: 8-0002-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	0.293	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	23.1	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	492	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.34	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	6.07	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	7.36	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF
Calcium	SW-846 3050B/6020	197,653	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	753	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	5,114	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	730	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	4.40	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	998	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	31.8	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	14.3	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 19	Date Collected: 09/16/2000	Time Collected: 15:50:00	Matrix: Soil
Description: 8-0002-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Sulfate	EPA 300.0	524	mg/Kg	1.0000	09/30/2000	KF
Chloride	EPA 300.0	895	mg/Kg	0.1000	09/30/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 20

Date Collected: 09/16/2000

Time Collected: 15:55:00

Matrix: Soil

Description: 8-0204-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	0.824	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	20.8	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	533	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.35	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	4.43	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF
Calcium	SW-846 3050B/6020	288,267	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	279	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	3,624	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	253	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	2.73	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	805	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	11.1	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	6.38	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 20

Date Collected: 09/16/2000

Time Collected: 15:55:00

Matrix: Soil

Description: 8-0204-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Sulfate	EPA 300.0	208	mg/Kg	1.0000	09/30/2000	KF
Chloride	EPA 300.0	970	mg/Kg	0.1000	09/30/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 20

Date Collected: 09/16/2000

Time Collected: 15:55:00

Matrix: Soil

Description: 8-0204-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	<10.0	mg/Kg	10.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 20	Date Collected: 09/16/2000	Time Collected: 15:55:00	Matrix: Soil
Description: 8-0204-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
N-Nitrosodimethylamine	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Phenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-chloroethyl)ether	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Chlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,3-Dichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,4-Dichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,2-Dichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Methylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-chloroisopropyl)ether	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Methylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
N-Nitrosodi-n-propylamine	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Hexachloroethane	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Nitrobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Isophorone	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Nitrophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4-Dimethylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-chloroethoxy)methane	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4-Dichlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,2,4-Trichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Naphthalene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Chloroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Hexachlorobutadiene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Chloro-3-methylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Methylnaphthalene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Hexachlorocyclopentadiene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4,6-Trichlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4,5-Trichlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Chloronaphthalene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Nitroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Dimethyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,6-Dinitrotoluene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Acenaphthylene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
3-Nitroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Acenaphthene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 20	Date Collected: 09/16/2000	Time Collected: 15:55:00	Matrix: Soil
Description: 8-0204-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2,4-Dinitrophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Nitrophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Dibenzofuran	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4-Dinitrotoluene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Diethyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Fluorene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Chlorophenylphenyl ether	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Nitroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Methyl-4,6-dinitrophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Azobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Bromophenylphenyl ether	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Hexachlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Pentachlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Phenanthrene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Anthracene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Carbazole	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Di-n-butyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Fluoranthene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Pyrene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Butylbenzyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(a)anthracene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Chrysene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-ethylhexyl)phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Di-n-octyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(b)fluoranthene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(k)fluoranthene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(a)pyrene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Indeno(1,2,3-cd)pyrene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Dibenzo(a,h)anthracene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(ghi)perylene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Fluorophenol	8270 Surrogate	37.3	% Rec.	0.0000	09/28/2000	TRE
Phenol-d6	8270 Surrogate	32.1	% Rec.	0.0000	09/28/2000	TRE
2,4,6-Tribromophenol	8270 Surrogate	30.8	% Rec.	0.0000	09/28/2000	TRE
Nitrobenzene-d5	8270 Surrogate	27.0	% Rec.	0.0000	09/28/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 21	Date Collected: 09/16/2000	Time Collected: 16:00:00	Matrix: Soil
Description: 4-0002-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Sulfate	EPA 300.0	544	mg/Kg	1.0000	09/30/2000	KF
Chloride	EPA 300.0	1,309	mg/Kg	0.1000	09/30/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 22	Date Collected: 09/16/2000	Time Collected: 16:10:00	Matrix: Soil
Description: 4-0204-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	0.428	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	19.4	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	439	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.09	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	7.02	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	6.07	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF
Calcium	SW-846 3050B/6020	195,257	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	680	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	2,487	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	274	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	4.11	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	1,550	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	34.8	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	18.2	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 22	Date Collected: 09/16/2000	Time Collected: 16:10:00	Matrix: Soil
Description: 4-0204-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
N-Nitrosodimethylamine	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Phenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Bis(2-chloroethyl)ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2-Chlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
1,3-Dichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
1,4-Dichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
1,2-Dichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2-Methylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Bis(2-chloroisopropyl)ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
4-Methylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
N-Nitrosodi-n-propylamine	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Hexachloroethane	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Nitrobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Isophorone	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2-Nitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2,4-Dimethylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Bis(2-chloroethoxy)methane	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2,4-Dichlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
1,2,4-Trichlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Naphthalene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
4-Chloroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Hexachlorobutadiene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
4-Chloro-3-methylphenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2-Methylnaphthalene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Hexachlorocyclopentadiene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2,4,6-Trichlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2,4,5-Trichlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2-Chloronaphthalene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2-Nitroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Dimethyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2,6-Dinitrotoluene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Acenaphthylene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
3-Nitroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Acenaphthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 22	Date Collected: 09/16/2000	Time Collected: 16:10:00	Matrix: Soil
Description: 4-0204-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2,4-Dinitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
4-Nitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Dibenzofuran	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2,4-Dinitrotoluene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Diethyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Fluorene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
4-Chlorophenylphenyl ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
4-Nitroaniline	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2-Methyl-4,6-dinitrophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Azobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
4-Bromophenylphenyl ether	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Hexachlorobenzene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Pentachlorophenol	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Phenanthrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Anthracene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Carbazole	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Di-n-butyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Fluoranthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Pyrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Butylbenzyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Benzo(a)anthracene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Chrysene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Bis(2-ethylhexyl)phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Di-n-octyl phthalate	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Benzo(b)fluoranthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Benzo(k)fluoranthene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Benzo(a)pyrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Indeno(1,2,3-cd)pyrene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Dibenzo(a,h)anthracene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
Benzo(ghi)perylene	SW-846 3550/8270C	<3.30	mg/Kg	3.3000	10/03/2000	TRE
2-Fluorophenol	8270 Surrogate	MI	% Rec.	0.0000	10/03/2000	TRE
Phenol-d6	8270 Surrogate	MI	% Rec.	0.0000	10/03/2000	TRE
2,4,6-Tribromophenol	8270 Surrogate	MI	% Rec.	0.0000	10/03/2000	TRE
Nitrobenzene-d5	8270 Surrogate	MI	% Rec.	0.0000	10/03/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 23 Date Collected: 09/16/2000 Time Collected: 16:20:00 Matrix: Soil
Description: 7-0002-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	0.237	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	18.1	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	350	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.27	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	5.87	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	5.57	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF
Calcium	SW-846 3050B/6020	262,587	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	511	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	3,259	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	431	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	4.12	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	681	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	30.9	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	12.9	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 24

Date Collected: 09/16/2000

Time Collected: 16:30:00

Matrix: Soil

Description: 7-0204-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	<10.0	mg/Kg	10.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 24	Date Collected: 09/16/2000	Time Collected: 16:30:00	Matrix: Soil
Description: 7-0204-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
N-Nitrosodimethylamine	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Phenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-chloroethyl)ether	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Chlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,3-Dichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,4-Dichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,2-Dichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Methylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-chloroisopropyl)ether	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Methylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
N-Nitrosodi-n-propylamine	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Hexachloroethane	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Nitrobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Isophorone	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Nitrophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4-Dimethylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-chloroethoxy)methane	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4-Dichlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,2,4-Trichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Naphthalene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Chloroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Hexachlorobutadiene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Chloro-3-methylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Methylnaphthalene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Hexachlorocyclopentadiene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4,6-Trichlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4,5-Trichlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Chloronaphthalene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Nitroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Dimethyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,6-Dinitrotoluene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Acenaphthylene	SW-846 3550/8270C	0.457	mg/Kg	0.3300	09/28/2000	TRE
3-Nitroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Acenaphthene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 25 Date Collected: 09/16/2000 Time Collected: 16:40:00 Matrix: Soil
Description: 5-0002-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	0.537	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	16.1	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	228	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.13	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	6.79	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF
Calcium	SW-846 3050B/6020	249,277	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	559	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	2,522	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	451	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	2.97	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	652	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	39.3	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	5.72	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 25

Date Collected: 09/16/2000

Time Collected: 16:40:00

Matrix: Soil

Description: 5-0002-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Sulfate	EPA 300.0	304	mg/Kg	1.0000	09/30/2000	KF
Chloride	EPA 300.0	255	mg/Kg	0.1000	09/30/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 26 Date Collected: 09/16/2000 Time Collected: 16:50:00 Matrix: Soil
Description: 5-0204-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	1.59	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	15.8	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	277	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.36	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	5.24	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF
Calcium	SW-846 3050B/6020	144,136	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	767	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	7,012	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	690	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	2.37	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	1,014	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	25.9	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	5.29	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 26

Date Collected: 09/16/2000

Time Collected: 16:50:00

Matrix: Soil

Description: 5-0204-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Sulfate	EPA 300.0	95.4	mg/Kg	1.0000	09/30/2000	KF
Chloride	EPA 300.0	1,176	mg/Kg	0.1000	09/30/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 26	Date Collected: 09/16/2000	Time Collected: 16:50:00	Matrix: Soil
Description: 5-0204-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	<10.0	mg/Kg	10.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 26 Date Collected: 09/16/2000 Time Collected: 16:50:00 Matrix: Soil
 Description: 5-0204-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
N-Nitrosodimethylamine	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Phenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-chloroethyl)ether	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Chlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,3-Dichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,4-Dichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,2-Dichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Methylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-chloroisopropyl)ether	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Methylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
N-Nitrosodi-n-propylamine	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Hexachloroethane	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Nitrobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Isophorone	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Nitrophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4-Dimethylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-chloroethoxy)methane	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4-Dichlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
1,2,4-Trichlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Naphthalene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Chloroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Hexachlorobutadiene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Chloro-3-methylphenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Methylnaphthalene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Hexachlorocyclopentadiene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4,6-Trichlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4,5-Trichlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Chloronaphthalene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Nitroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Dimethyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,6-Dinitrotoluene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Acenaphthylene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
3-Nitroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Acenaphthene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 26	Date Collected: 09/16/2000	Time Collected: 16:50:00	Matrix: Soil
Description: 5-0204-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2,4-Dinitrophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Nitrophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Dibenzofuran	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2,4-Dinitrotoluene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Diethyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Fluorene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Chlorophenylphenyl ether	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Nitroaniline	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Methyl-4,6-dinitrophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Azobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
4-Bromophenylphenyl ether	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Hexachlorobenzene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Pentachlorophenol	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Phenanthrene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Anthracene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Carbazole	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Di-n-butyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Fluoranthene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Pyrene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Butylbenzyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(a)anthracene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Chrysene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Bis(2-ethylhexyl)phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Di-n-octyl phthalate	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(b)fluoranthene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(k)fluoranthene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(a)pyrene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Indeno(1,2,3-cd)pyrene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Dibenzo(a,h)anthracene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
Benzo(ghi)perylene	SW-846 3550/8270C	<0.330	mg/Kg	0.3300	09/28/2000	TRE
2-Fluorophenol	8270 Surrogate	50.1	% Rec.	0.0000	09/28/2000	TRE
Phenol-d6	8270 Surrogate	47.9	% Rec.	0.0000	09/28/2000	TRE
2,4,6-Tribromophenol	8270 Surrogate	44.2	% Rec.	0.0000	09/28/2000	TRE
Nitrobenzene-d5	8270 Surrogate	50.6	% Rec.	0.0000	09/28/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 26	Date Collected: 09/16/2000	Time Collected: 16:50:00	Matrix: Soil
Description: 5-0204-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2-Fluorobiphenyl	8270 Surrogate	41.3	% Rec.	0.0000	09/28/2000	TRE
Terphenyl-d14	8270 Surrogate	29.0	% Rec.	0.0000	09/28/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 27	Date Collected: 09/16/2000	Time Collected: 17:00:00	Matrix: Soil
Description: 1-0001-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	13.7	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	540	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.42	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	20.1	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	23.2	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 27 Date Collected: 09/16/2000 Time Collected: 17:00:00 Matrix: Soil
Description: 1-0001-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	6.02	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	151	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	182	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	18.5	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	88.7/0.39	mg/Kg	1.0000	09/27/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 27 Date Collected: 09/16/2000 Time Collected: 17:00:00 Matrix: Soil
Description: 1-0001-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	29,724	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	2,282	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	2,951	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	141	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	12.1	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	4,832	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	156	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	115	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 28 Date Collected: 09/16/2000 Time Collected: 17:05:00 Matrix: Soil
Description: 2-0001-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	17.0	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	293	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.23	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	8.32	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	10.2	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 28

Date Collected: 09/16/2000

Time Collected: 17:05:00

Matrix: Soil

Description: 2-0001-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	4.90	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	174	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	149	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	211	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	50.0/0.23	mg/Kg	1.0000	09/27/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 28	Date Collected: 09/16/2000	Time Collected: 17:05:00	Matrix: Soil
Description: 2-0001-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	55,323	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	1,588	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	1,573	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	44.9	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	4.20	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	1,072	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	81.1	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	50.5	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 29	Date Collected: 09/16/2000	Time Collected: 17:10:00	Matrix: Soil
Description: 3-0001-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	20.4	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	857	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.39	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	7.12	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	17.3	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 29 Date Collected: 09/16/2000 Time Collected: 17:10:00 Matrix: Soil
Description: 3-0001-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	8.56	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	12,428	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	1,598	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	113	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	58.3/0.09	mg/Kg	1.0000	09/27/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 29 Date Collected: 09/16/2000 Time Collected: 17:10:00 Matrix: Soil
Description: 3-0001-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	41,746	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	2,190	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	3,012	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	5,235	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	7.06	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	3,732	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	91.9	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	38.6	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 30	Date Collected: 09/16/2000	Time Collected: 11:35:00	Matrix: Soil
Description: 19-2325-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	0.257	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	15.4	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	436	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.19	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	3.86	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 30	Date Collected: 09/16/2000	Time Collected: 11:35:00	Matrix: Soil
Description: 19-2325-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	14.6	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	676	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	732	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	2.47	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	23.2/0.13	mg/Kg	1.0000	09/27/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 30 Date Collected: 09/16/2000 Time Collected: 11:35:00 Matrix: Soil
Description: 19-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	132,628	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	734	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	20,331	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	323	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	7.32	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	1,634	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	29.7	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	9.78	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 30 Date Collected: 09/16/2000 Time Collected: 11:35:00 Matrix: Soil

Description: 19-2325-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	<10.0	mg/Kg	10.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 31	Date Collected: 09/16/2000	Time Collected: 12:50:00	Matrix: Soil
Description: 21-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	12.4	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	375	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.23	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	4.47	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 31 Date Collected: 09/16/2000 Time Collected: 12:50:00 Matrix: Soil
Description: 21-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	10.2	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	12,888	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	629	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	23.2/0.11	mg/Kg	1.0000	09/27/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 31	Date Collected: 09/16/2000	Time Collected: 12:50:00	Matrix: Soil
Description: 21-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Calcium	SW-846 3050B/6020	124,122	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	1,555	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	3,914	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	7,488	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	2.19	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	1,818	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	20.0	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	7.38	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 31 Date Collected: 09/16/2000 Time Collected: 12:50:00 Matrix: Soil

Description: 21-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	9020	mg/Kg	100.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 31	Date Collected: 09/16/2000	Time Collected: 12:50:00	Matrix: Soil
Description: 21-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Benzene	SW-846 5030B/8021B	<0.125	mg/Kg	0.1300	09/29/2000	SCS
Toluene	SW-846 5030B/8021B	<0.125	mg/Kg	0.1250	09/29/2000	SCS
Ethylbenzene	SW-846 5030B/8021B	0.177	mg/Kg	0.1250	09/29/2000	SCS
Xylenes, total	SW-846 5030B/8021B	0.627	mg/Kg	0.1300	09/29/2000	SCS

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TEST RESULTS BY SAMPLE

Sample No.: 31	Date Collected: 09/16/2000	Time Collected: 12:50:00	Matrix: Soil
Description: 21-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
N-Nitrosodimethylamine	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Phenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Bis(2-chloroethyl)ether	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2-Chlorophenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
1,3-Dichlorobenzene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
1,4-Dichlorobenzene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
1,2-Dichlorobenzene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2-Methylphenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Bis(2-chloroisopropyl)ether	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
4-Methylphenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
N-Nitrosodi-n-propylamine	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Hexachloroethane	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Nitrobenzene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Isophorone	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2-Nitrophenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2,4-Dimethylphenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Bis(2-chloroethoxy)methane	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2,4-Dichlorophenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
1,2,4-Trichlorobenzene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Naphthalene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
4-Chloroaniline	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Hexachlorobutadiene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
4-Chloro-3-methylphenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2-Methylnaphthalene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Hexachlorocyclopentadiene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2,4,6-Trichlorophenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2,4,5-Trichlorophenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2-Chloronaphthalene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2-Nitroaniline	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Dimethyl phthalate	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2,6-Dinitrotoluene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Acenaphthylene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
3-Nitroaniline	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Acenaphthene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 31	Date Collected: 09/16/2000	Time Collected: 12:50:00	Matrix: Soil
Description: 21-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2,4-Dinitrophenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
4-Nitrophenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Dibenzofuran	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2,4-Dinitrotoluene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Diethyl phthalate	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Fluorene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
4-Chlorophenylphenyl ether	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
4-Nitroaniline	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2-Methyl-4,6-dinitrophenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Azobenzene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
4-Bromophenylphenyl ether	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Hexachlorobenzene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Pentachlorophenol	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Phenanthrene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Anthracene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Carbazole	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Di-n-butyl phthalate	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Fluoranthene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Pyrene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Butylbenzyl phthalate	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Benzo(a)anthracene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Chrysene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Bis(2-ethylhexyl)phthalate	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Di-n-octyl phthalate	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Benzo(b)fluoranthene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Benzo(k)fluoranthene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Benzo(a)pyrene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Indeno(1,2,3-cd)pyrene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Dibenzo(a,h)anthracene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
Benzo(ghi)perylene	SW-846 3550/8270C	<33.0	mg/Kg	33.0000	10/05/2000	TRE
2-Fluorophenol	8270 Surrogate	MI	% Rec.	0.0000	10/05/2000	TRE
Phenol-d6	8270 Surrogate	MI	% Rec.	0.0000	10/05/2000	TRE
2,4,6-Tribromophenol	8270 Surrogate	MI	% Rec.	0.0000	10/05/2000	TRE
Nitrobenzene-d5	8270 Surrogate	MI	% Rec.	0.0000	10/05/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 31	Date Collected: 09/16/2000	Time Collected: 12:50:00	Matrix: Soil
Description: 21-0305-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
2-Fluorobiphenyl	8270 Surrogate	MI	% Rec.	0.0000	10/05/2000	TRE
Terphenyl-d14	8270 Surrogate	MI	% Rec.	0.0000	10/05/2000	TRE

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TEST RESULTS BY SAMPLE

Sample No.: 32	Date Collected: 09/16/2000	Time Collected: 12:50:00	Matrix: Soil
Description: 21-0305-B	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	4910	mg/Kg	100.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 32 Date Collected: 09/16/2000 Time Collected: 12:50:00 Matrix: Soil
Description: 21-0305-B Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	15.0	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	204	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.29	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	5.90	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF
Calcium	SW-846 3050B/6020	92,525	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	2,259	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	4,333	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	8,145	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	2.56	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	2,824	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	23.9	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	12.5	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 32 Date Collected: 09/16/2000 Time Collected: 12:50:00 Matrix: Soil
Description: 21-0305-B Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	12.1	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	12,090	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	631	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	43.8/0.29	mg/Kg	1.0000	09/27/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 33	Date Collected: 09/16/2000	Time Collected: 13:00:00	Matrix: Soil
Description: 21-0810-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	1850	mg/Kg	100.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 34	Date Collected: 09/16/2000	Time Collected: 13:17:00	Matrix: Soil
Description: 21-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	1710	mg/Kg	100.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 34 Date Collected: 09/16/2000 Time Collected: 13:17:00 Matrix: Soil
Description: 21-1315-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	21.3	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	362	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.30	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	5.35	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF
Calcium	SW-846 3050B/6020	276,181	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	1,208	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	14,008	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	5,142	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	2.80	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	884	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	13.9	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	4.05	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 34

Date Collected: 09/16/2000

Time Collected: 13:17:00

Matrix: Soil

Description: 21-1315-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	20.3	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	6,648	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	316	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	5.75	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	23.2/0.09	mg/Kg	1.0000	09/27/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 35 Date Collected: 09/16/2000 Time Collected: 14:20:00 Matrix: Soil

Description: 18-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	<10.0	mg/Kg	10.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 35 Date Collected: 09/16/2000 Time Collected: 14:20:00 Matrix: Soil
Description: 18-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	<0.200	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	27.8	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	284	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.23	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	3.78	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF
Calcium	SW-846 3050B/6020	228,133	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	1,800	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	12,028	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	4,738	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	3.51	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	2,275	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	17.6	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	10.1	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 35 Date Collected: 09/16/2000 Time Collected: 14:20:00 Matrix: Soil
Description: 18-0305-A Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	20.3	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	8,632	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	371	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	8.48	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	31.4/0.13	mg/Kg	1.0000	09/27/2000	TW

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TEST RESULTS BY SAMPLE

Sample No.: 36	Date Collected: 09/16/2000	Time Collected: 14:30:00	Matrix: Soil
Description: 18-0810-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	<10.0	mg/Kg	10.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 37

Date Collected: 09/16/2000

Time Collected: 14:40:00

Matrix: Soil

Description: 18-1315-A

Project Name: Hobbs

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	<10.0	mg/Kg	10.0000	10/01/2000	MAT

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TEST RESULTS BY SAMPLE

Sample No.: 37	Date Collected: 09/16/2000	Time Collected: 14:40:00	Matrix: Soil
Description: 18-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Mercury	SW-846 7471A	0.394	mg/Kg	0.2000	09/26/2000	KF
Arsenic	SW-846 3050B/6010B	16.4	mg/Kg	5.0000	09/28/2000	KF
Barium	SW-846 3050B/6010B	148	mg/Kg	5.0000	09/28/2000	KF
Cadmium	SW-846 3050B/6010B	1.17	mg/Kg	0.5000	09/28/2000	KF
Chromium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Lead	SW-846 3050B/6010B	3.13	mg/Kg	1.0000	09/28/2000	KF
Selenium	SW-846 3050B/6010B	<5.00	mg/Kg	5.0000	09/28/2000	KF
Silver	SW-846 3050B/6020	<5.00	mg/Kg	5.0000	10/01/2000	KF
Calcium	SW-846 3050B/6020	141,755	mg/Kg	1.0000	10/01/2000	KF
Potassium	SW-846 3050B/6020	360	mg/Kg	1.0000	10/01/2000	KF
Magnesium	SW-846 3050B/6020	6,623	mg/Kg	1.0000	10/01/2000	KF
Sodium	SW-846 3050B/6020	816	mg/Kg	1.0000	10/01/2000	KF
Copper	SW-846 3050B/6010B	1.92	mg/Kg	1.0000	09/28/2000	KF
Iron	SW-846 3050B/6010B	837	mg/Kg	1.0000	09/28/2000	KF
Manganese	SW-846 3050B/6020	23.2	mg/Kg	1.0000	10/01/2000	KF
Zinc	SW-846 3050B/6010B	6.78	mg/Kg	1.0000	09/28/2000	KF

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TEST RESULTS BY SAMPLE

Sample No.: 37	Date Collected: 09/16/2000	Time Collected: 14:40:00	Matrix: Soil
Description: 18-1315-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
Fluoride	EPA 300.0	8.10	mg/Kg	0.1000	09/30/2000	KF
Chloride	EPA 300.0	2,856	mg/Kg	0.1000	09/30/2000	KF
Sulfate	EPA 300.0	398	mg/Kg	1.0000	09/30/2000	KF
Nitrate-N	EPA 300.0	10.6	mg/Kg	0.1000	09/30/2000	KF
Nitrite	EPA 300.0	<0.100	mg/Kg	0.1000	09/30/2000	KF
Bicarbonate/Carbonate	EPA 310.1	23.2/0.07	mg/Kg	1.0000	09/27/2000	TW

Report No.: 2000090128

11/03/2000

Client: Enercon

TEST RESULTS BY SAMPLE

Sample No.: 38	Date Collected: 09/16/2000	Time Collected: 14:50:00	Matrix: Soil
Description: 18-1820-A	Project Name: Hobbs		

Test	Method	Results	Units	Detection Limit	Date Analyzed	Analyst
TPH (418.1)	418.1	<10.0	mg/Kg	10.0000	10/01/2000	MAT

QC SUMMARY REPORT

QC Batch ID: 0020366

BTEX by EPA Method 8021B - Soil

Laboratory Control Sample (LCS/LCSD)

Method Blank Results

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		LCSD		LCS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
Benzene	<0.125	2.50	2.10	84.0%	2.09	83.6%	0%	+ 30	70 - 130
Toluene	<0.125	2.50	2.27	90.8%	2.26	90.4%	0%	+ 30	70 - 130
Ethylbenzene	<0.125	2.50	2.34	93.6%	2.34	93.6%	0%	+ 30	70 - 130
Xylenes, total	<0.125	7.50	6.89	91.9%	6.89	91.9%	0%	+ 30	70 - 130

Sample Matrix Spikes (MS/MSD)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		MSD		MS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
Benzene	<0.125	2.50	2.10	84.0%	2.13	85.2%	1%	+ 30	65 - 135
Toluene	<0.125	2.50	2.16	86.4%	2.18	87.2%	1%	+ 30	65 - 135
Ethylbenzene	<0.125	2.50	2.10	84.0%	2.10	84.0%	0%	+ 30	65 - 135
Xylenes, Total	<0.125	7.50	6.35	84.7%	6.29	83.9%	1%	+ 30	65 - 135

Sequence Date(s): 9/26/00

Batch Extraction/Prep Date: 9/20/00

Sample ID - MS/MSD: 2000090128-31

Data Qualifiers:

Project(s) In Batch:

2000090128

2000090126

QC SUMMARY REPORT

QC Batch ID: 001001B

TPH by 418.1

Laboratory Control Sample (LCS/LCSD)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		LCSD		LCS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
418.1	<10.0	500	397	79.4%	430	86.0%	8%	+ 30	70 - 130

Sample Matrix Spikes (MS/MSD)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		MSD		MS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
418.1	<10.0	500	419	83.8%	408	81.6%	3%	+ 30	70 - 130

Sequence Date(s): 10/1/2000

Batch Extraction/Prep Date: 10/1/2000

Data Qualifiers: NONE - associated with this batch of samples.

Sample Spiked: 2000090128-36

Project(s) In Batch: 2000090128

QC SUMMARY REPORT

QC Batch ID: 001001

TPH by 418.1

Laboratory Control Sample (LCS/LCSD)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		LCSD		LCS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
418.1	<10.0	500	410	82.0%	431	86.2%	5%	± 30	70 - 130

Sample Matrix Spikes (MS/MSD)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		MSD		MS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
418.1	<10.0	500	381	76.2%	410	82.0%	7%	± 30	70 - 130

Sequence Date(s): 10/1/2000

Batch Extraction/Prep Date: 10/1/2000

Data Qualifiers: NONE - associated with this batch of samples.

Sample Spiked: 2000090128-8

Project(s) In Batch: 2000090128

QC SUMMARY REPORT

QC Batch ID: 0050037

Semi-Volatile Organic Compounds by GC/MS - Soil

Laboratory Control Sample (LCS/LCSD)
Method Blank Results

CONSTITUENT	Method Blank Result (ppm)	Spike Added (ppm)	LCS		LCSD		LCS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
Acenaphthene	<0.330	1.670	0.712	42.6%	0.699	41.9%	2%	+ 30	40 - 130
1,4-Dichlorobenzene	<0.330	1.670	0.706	42.3%	0.723	43.3%	2%	+ 30	40 - 130
2,4-Dinitrotoluene	<0.330	1.670	0.969	58.1%	0.901	53.9%	7%	+ 30	40 - 130
N-Nitrosodi-n-propylamine	<0.330	1.670	0.770	46.1%	0.667	40.0%	14%	+ 30	40 - 130
Pyrene	<0.330	1.670	0.751	44.9%	0.719	43.1%	4%	+ 30	40 - 130
1,2,4-Trichlorobenzene	<0.330	1.670	0.759	45.5%	0.746	44.7%	2%	+ 30	40 - 130
2-Chlorophenol	<0.330	1.670	0.670	40.1%	0.702	42.0%	5%	+ 30	40 - 130
4-Chloro-3-methylphenol	<0.330	1.670	0.946	56.6%	0.948	56.8%	0%	+ 30	40 - 130
4-Nitrophenol	<0.330	1.670	0.818	49.0%	0.931	55.7%	13%	+ 30	40 - 130
Pentachlorophenol	<0.330	1.670	0.981	58.8%	1.097	65.7%	11%	+ 30	40 - 130
Phenol	<0.330	1.670	0.779	46.6%	0.830	49.7%	6%	+ 30	40 - 130

Sample Matrix Spikes (MS/MSD)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		MSD		MS/D RPD (%)	QC Acceptance Criteria	
			Result (ppm)	Recovery (%)	Result (ppm)	Recovery (%)		RPD (%)	Spike % Recovery (Low - High Limit)
Acenaphthene	<0.330	1.670	0.271	16.2%	0.346	20.7%	24%	+ 30	40 - 130
1,4-Dichlorobenzene	<0.330	1.670	0.000	0.0%	0.340	20.4%	200%	+ 30	40 - 130
2,4-Dinitrotoluene	<0.330	1.670	0.000	0.0%	0.023	1.4%	200%	+ 30	40 - 130
N-Nitrosodi-n-propylamine	<0.330	1.670	0.157	9.4%	0.244	14.6%	44%	+ 30	40 - 130
Pyrene	<0.330	1.670	0.450	27.0%	0.514	30.8%	13%	+ 30	40 - 130
1,2,4-Trichlorobenzene	<0.330	1.670	0.401	24.0%	0.462	27.7%	14%	+ 30	40 - 130
2-Chlorophenol	<0.330	1.670	0.152	9.1%	0.244	14.6%	47%	+ 30	40 - 130
4-Chloro-3-methylphenol	<0.330	1.670	0.188	11.2%	0.251	15.0%	29%	+ 30	40 - 130
4-Nitrophenol	<0.330	1.670	0.000	0.0%	0.000	0.0%	0%	+ 30	40 - 130
Pentachlorophenol	<0.330	1.670	0.000	0.0%	0.777	46.5%	200%	+ 30	40 - 130
Phenol	<0.330	1.670	0.000	0.0%	0.371	22.2%	200%	+ 30	40 - 130

Sample Spiked: 2000090128-17

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090088
2000090126

2000090128

QC SUMMARY REPORT

QC Batch ID: 100100/RCRA8 9-25

Metals by EPA Method 6020 and 6010B

Mercury by Method 7471A

Laboratory Control Sample (LCS)**Method Blank Results**

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Calcium	<DL	1.00	0.935	94.0%	75 - 125
Copper	<DL	1.000	0.764	76.0%	75 - 125
Arsenic	<DL	1.00	0.799	80.0%	75 - 125
Barium	<DL	1.00	0.801	80.0%	75 - 125
Zinc	0.015	1.00	0.784	78.0%	75 - 125
Cadmium	0.015	1.00	0.785	78.0%	75 - 125
Chromium	<DL	1.00	0.807	81.0%	75 - 125
Iron	0.159	1.00	0.865	87.0%	75 - 125
Lead	0.049	1.00	0.793	79.0%	75 - 125
Potassium	0.010	50.00	48.202	96.0%	75 - 125
Mercury	0.038	0.10	0.130	105.0%	75 - 125
Magnesium	0.004	1.00	0.995	100.0%	75 - 125
Sodium	0.033	50.00	49.424	99.0%	75 - 125
Selenium	0.039	1.00	0.817	82.0%	75 - 125
Manganese	0.001	0.02	0.016	79.0%	75 - 125
Silver	0.013	0.02	1.044	104.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Copper	1.06	1.00	1.861	80.0%	75 - 125
Arsenic	20.0	1.00	10.740	74.0%	75 - 125
Barium	876	1.00	876.275	28.0%	75 - 125
Zinc	11.50	1.00	12.277	78.0%	75 - 125
Cadmium	1.65	1.00	2.401	75.0%	75 - 125
Chromium	<5.00	1.00	5.269	80.0%	75 - 125
Iron	4594	1.00	4594	0.0%	75 - 125
Lead	2.06	1.00	2.841	78.0%	75 - 125
Mercury	<0.200	0.25	0.292	117.0%	75 - 125
Selenium	<5.00	1.00	0.552	55.0%	75 - 125
Silver	<5.00	1.00	0.025	2.0%	75 - 125

Sequence Date(s): 10/1/00 & 9/25/00

Batch Extraction/Prep Date:

9/24/00

Sample ID - MS/MSD: 2000090128-2 &
2000090128-8 (Hg)

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch:

2000090126

2000090128

QC Batch ID: 100100/RCRA8 9-28

QC SUMMARY REPORT

Metals by EPA Method 6020 and 6010B

Mercury by Method 7471A

Laboratory Control Sample (LCS)**Method Blank Results**

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Calcium	<DL	1.00	0.935	94.0%	75 - 125
Copper	0.016	1.00	0.787	79.0%	75 - 125
Arsenic	0.101	1.00	0.783	78.0%	75 - 125
Barium	0.038	1.00	0.834	83.0%	75 - 125
Zinc	0.010	1.00	0.892	89.0%	75 - 125
Cadmium	0.014	1.00	0.762	76.0%	75 - 125
Chromium	0.027	1.00	0.779	78.0%	75 - 125
Iron	0.080	1.00	0.846	85.0%	75 - 125
Lead	0.039	1.00	0.766	77.0%	75 - 125
Potassium	0.010	50.00	48.202	96.0%	75 - 125
Mercury	0.038	0.10	0.130	105.0%	75 - 125
Magnesium	0.004	1.00	0.995	100.0%	75 - 125
Sodium	0.033	50.00	49.424	99.0%	75 - 125
Selenium	0.035	1.00	0.888	89.0%	75 - 125
Manganese	0.001	0.02	0.016	79.0%	75 - 125
Silver	0.013	0.02	1.044	104.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Copper	2.42	1.00	3.178	76.0%	75 - 125
Arsenic	25.5	1.00	26.176	68.0%	75 - 125
Barium	359	1.00	359.0	0.0%	75 - 125
Zinc	6.44	1.00	7.209	77.0%	75 - 125
Cadmium	1.31	1.00	2.076	77.0%	75 - 125
Chromium	<5.00	1.00	4.176	75.0%	75 - 125
Iron	1161	1.00	1161.13	13.0%	75 - 125
Lead	4.82	1.00	5.531	71.0%	75 - 125
Mercury	0.428	0.25	0.622	78.0%	75 - 125
Selenium	<5.00	1.00	0.861	86.0%	75 - 125
Silver	<5.00	1.00	0.025	2.0%	75 - 125

Sequence Date(s): 10/1/00 & 9/28/00

Batch Extraction/Prep Date:

9/27/00

Sample ID - MS/MSD: 2000090128-18 &
2000090128-24 (Hg)

Data Qualifiers: NONE - associated with this batch of samples.

QC SUMMARY REPORT

QC Batch ID: 100100/RCRA8 9-28

Metals by EPA Method 6020 and 6010B

Mercury by Method 7471A

Laboratory Control Sample (LCS)**Method Blank Results**

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Calcium	<DL	1.00	0.935	94.0%	75 - 125
Copper	0.016	1.00	0.787	79.0%	75 - 125
Arsenic	0.101	1.00	0.783	78.0%	75 - 125
Barium	0.038	1.00	0.834	83.0%	75 - 125
Zinc	0.010	1.00	0.892	89.0%	75 - 125
Cadmium	0.014	1.00	0.762	76.0%	75 - 125
Chromium	0.027	1.00	0.779	78.0%	75 - 125
Iron	0.080	1.00	0.846	85.0%	75 - 125
Lead	0.039	1.00	0.766	77.0%	75 - 125
Potassium	0.010	50.00	48.202	96.0%	75 - 125
Mercury	0.038	0.10	0.130	105.0%	75 - 125
Magnesium	0.004	1.00	0.995	100.0%	75 - 125
Sodium	0.033	50.00	49.424	99.0%	75 - 125
Selenium	0.035	1.00	0.888	89.0%	75 - 125
Manganese	0.001	0.02	0.016	79.0%	75 - 125
Silver	0.013	0.02	1.044	104.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Copper	2.97	1.00	3.690	72.0%	75 - 125
Arsenic	16.1	1.00	16.803	70.0%	75 - 125
Barium	228	1.00	228.4	43.0%	75 - 125
Zinc	5.72	1.00	6.458	74.0%	75 - 125
Cadmium	1.13	1.00	1.838	71.0%	75 - 125
Chromium	<5.00	1.00	3.828	69.0%	75 - 125
Iron	652	1.00	663.87	1187.0%	75 - 125
Lead	6.79	1.00	7.448	66.0%	75 - 125
Mercury	<0.200	0.25	0.222	89.0%	75 - 125
Selenium	<5.00	1.00	2.415	81.0%	75 - 125
Silver	<5.00	1.00	0.025	2.0%	75 - 125

Sequence Date(s): 10/1/00 & 9/28/00

Batch Extraction/Prep Date:

9/27/00

Sample ID - MS/MSD: 2000090128-25 &
2000090128-32 (Hg)

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch:

2000090128

QC SUMMARY REPORT

QC Batch ID: 100100/RCRA8 9-25

Metals by EPA Method 6020 and 6010B
Mercury by Method 7471A

Laboratory Control Sample (LCS)

Method Blank Results

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Calcium	<DL	1.00	0.935	94.0%	75 - 125
Copper	<DL	1.000	0.764	76.0%	75 - 125
Arsenic	<DL	1.00	0.799	80.0%	75 - 125
Barium	<DL	1.00	0.801	80.0%	75 - 125
Zinc	0.015	1.00	0.784	78.0%	75 - 125
Cadmium	0.015	1.00	0.785	78.0%	75 - 125
Chromium	<DL	1.00	0.807	81.0%	75 - 125
Iron	0.159	1.00	0.865	87.0%	75 - 125
Lead	0.049	1.00	0.793	79.0%	75 - 125
Potassium	0.010	50.00	48.202	96.0%	75 - 125
Mercury	0.038	0.10	0.130	105.0%	75 - 125
Magnesium	0.004	1.00	0.995	100.0%	75 - 125
Sodium	0.033	50.00	49.424	99.0%	75 - 125
Selenium	0.039	1.00	0.817	82.0%	75 - 125
Manganese	0.001	0.02	0.016	79.0%	75 - 125
Silver	0.013	0.02	1.044	104.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Copper	<1.00	1.00	0.760	76.0%	75 - 125
Arsenic	26.4	1.00	26.980	58.0%	75 - 125
Barium	251	1.00	252.460	146.0%	75 - 125
Zinc	4.56	1.00	5.319	76.0%	75 - 125
Cadmium	1.55	1.00	2.287	74.0%	75 - 125
Chromium	<5.00	1.00	1.924	74.0%	75 - 125
Iron	1471	1.00	1471	0.0%	75 - 125
Lead	2.08	1.00	2.797	72.0%	75 - 125
Mercury	<0.200	0.25	0.212	85.0%	75 - 125
Selenium	<5.00	1.00	0.743	74.0%	75 - 125
Silver	<5.00	1.00	0.084	8.0%	75 - 125

Sequence Date(s): 10/1/00 & 9/25/00

Batch Extraction/Prep Date:

9/24/00

Sample ID - MS/MSD: 2000090126-25 &
2000090128-2 (Hg)

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch:

2000090126

2000090126 & 2000090128

- Hg

QC SUMMARY REPORT

QC Batch ID: 100100/RCRA8 9-28

Metals by EPA Method 6020 and 6010B

Mercury by Method 7471A

Laboratory Control Sample (LCS)

Method Blank Results

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Calcium	<DL	1.00	0.935	94.0%	75 - 125
Copper	0.016	1.00	0.787	79.0%	75 - 125
Arsenic	0.101	1.00	0.783	78.0%	75 - 125
Barium	0.038	1.00	0.834	83.0%	75 - 125
Zinc	0.010	1.00	0.892	89.0%	75 - 125
Cadmium	0.014	1.00	0.762	76.0%	75 - 125
Chromium	0.027	1.00	0.779	78.0%	75 - 125
Iron	0.080	1.00	0.846	85.0%	75 - 125
Lead	0.039	1.00	0.766	77.0%	75 - 125
Potassium	0.010	50.00	48.202	96.0%	75 - 125
Mercury	0.038	0.10	0.130	105.0%	75 - 125
Magnesium	0.004	1.00	0.995	100.0%	75 - 125
Sodium	0.033	50.00	49.424	99.0%	75 - 125
Selenium	0.035	1.00	0.888	89.0%	75 - 125
Manganese	0.001	0.02	0.016	79.0%	75 - 125
Silver	0.013	0.02	1.044	104.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Copper	3.51	1.00	4.208	70.0%	75 - 125
Arsenic	27.8	1.00	28.407	61.0%	75 - 125
Barium	284	1.00	287.4	336.0%	75 - 125
Zinc	10.10	1.00	10.761	66.0%	75 - 125
Cadmium	1.23	1.00	1.918	69.0%	75 - 125
Chromium	<5.00	1.00	4.699	66.0%	75 - 125
Iron	2275	1.00	2275.99	100.0%	75 - 125
Lead	3.78	1.00	4.437	66.0%	75 - 125
Mercury	<0.200	0.25	0.222	89.0%	75 - 125
Selenium	<5.00	1.00	0.725	72.0%	75 - 125
Silver	<5.00	1.00	0.025	2.0%	75 - 125

Sequence Date(s): 10/1/00 & 9/28/00

Batch Extraction/Prep Date:

9/27/00

Sample ID - MS/MSD: 2000090128-35

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch:

2000090128

QC SUMMARY REPORT

QC Batch ID: 93000

Anions by EPA Method 300.0

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Fluoride	<DL	10.00	10.174	102.0%	75 - 125
Chloride	<DL	50.00	49.630	99.0%	75 - 125
Nitrite	<DL	15.00	14.208	95.0%	75 - 125
Nitrate	<DL	10.00	12.080	121.0%	75 - 125
Sulfate	<DL	50.00	50.490	101.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Fluoride	16.0	10.00	22.657	67.0%	75 - 125
Chloride	986	10.00	991.225	52.0%	75 - 125
Nitrite	<0.100	10.00	10.710	107.0%	75 - 125
Nitrate	47.4	10.00	53.895	65.0%	75 - 125
Sulfate	529	10.00	538.193	92.0%	75 - 125

Sequence Date(s): 9/30/00

Batch Extraction/Prep Date:

9/29/00

Sample ID - MS/MSD: 2000090128-11

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090128

QC SUMMARY REPORT

QC Batch ID: 93000

Anions by EPA Method 300.0

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Fluoride	<DL	10.00	10.174	102.0%	75 - 125
Chloride	<DL	50.00	49.630	99.0%	75 - 125
Nitrite	<DL	15.00	14.208	95.0%	75 - 125
Nitrate	<DL	10.00	12.080	121.0%	75 - 125
Sulfate	<DL	50.00	50.490	101.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Fluoride	16.0	10.00	22.695	67.0%	75 - 125
Chloride	837	10.00	845.077	81.0%	75 - 125
Nitrite	<0.100	10.00	11.113	111.0%	75 - 125
Nitrate	8.16	10.00	14.859	67.0%	75 - 125
Sulfate	311	10.00	324.361	134.0%	75 - 125

Sequence Date(s): 9/30/00

Batch Extraction/Prep Date:

9/29/00

Sample ID - MS/MSD: 2000090128-22

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090128

QC SUMMARY REPORT

QC Batch ID: 93000

Anions by EPA Method 300.0

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Fluoride	<DL	10.00	10.174	102.0%	75 - 125
Chloride	<DL	50.00	49.630	99.0%	75 - 125
Nitrite	<DL	15.00	14.208	95.0%	75 - 125
Nitrate	<DL	10.00	12.080	121.0%	75 - 125
Sulfate	<DL	50.00	50.490	101.0%	75 - 125

Sample Matrix Spikes (MS)

CONSTITUENT	Sample Result (ppm)	Spike Added (ppm)	MS		QC Acceptance Criteria Spike % Recovery (Low - High Limit)
			Result (ppm)	Recovery (%)	
Fluoride	14.6	10.00	23.301	87.0%	75 - 125
Chloride	676	10.00	676.0	0.0%	75 - 125
Nitrite	<0.100	10.00	10.884	109.0%	75 - 125
Nitrate	2.47	10.00	9.015	65.0%	75 - 125
Sulfate	732	10.00	732.0	0.0%	75 - 125

Sequence Date(s): 9/30/00

Batch Extraction/Prep Date:

9/29/00

Sample ID - MS/MSD: 2000090128-30

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090128

QC SUMMARY REPORT

QC Batch ID: 92100

Alkalinity - Bicarbonate/Carbonate by EPA Method 310.1

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria
			Result (ppm)	Recovery (%)	Spike % Recovery (Low - High Limit)
Alkalinity	1.00	79.42	78.00	98.0%	80 - 120

Sample/Sample Duplicate

CONSTITUENT	Sample Result (ppm)	Sample Dup (ppm)	Dup	QC Acceptance Criteria
			Recovery (%)	% Recovery (Low - High Limit)
Alkalinity	158.00	162.00	101.0%	75 - 125

Sequence Date(s): 9/21/00

Batch Extraction/Prep Date:

9/21/00

Sample ID - Sample/Dup 2000090128-2

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090128

QC SUMMARY REPORT

QC Batch ID: 92100

Alkalinity - Bicarbonate/Carbonate by EPA Method 310.1

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria
			Result (ppm)	Recovery (%)	Spike % Recovery (Low - High Limit)
Alkalinity	1.00	79.42	76.00	96.0%	80 - 120

Sample/Sample Duplicate

CONSTITUENT	Sample Result (ppm)	Sample Dup (ppm)	Dup	QC Acceptance Criteria
			Recovery (%)	% Recovery (Low - High Limit)
Alkalinity	68.00	72.00	103.0%	75 - 125

Sequence Date(s): 9/21/00

Batch Extraction/Prep Date:

9/21/00

Sample ID - Sample/Dup 2000090128-17

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090128

QC SUMMARY REPORT

QC Batch ID: 92700

Alkalinity - Bicarbonate/Carbonate by EPA Method 310.1

Laboratory Control Sample (LCS)

CONSTITUENT	Method Blank (ppm)	Spike Added (ppm)	LCS		QC Acceptance Criteria
			Result (ppm)	Recovery (%)	Spike % Recovery (Low - High Limit)
Alkalinity	1.00	79.42	78.00	98.0%	80 - 120

Sample/Sample Duplicate

CONSTITUENT	Sample Result (ppm)	Sample Dup (ppm)	Dup	QC Acceptance Criteria
			Recovery (%)	% Recovery (Low - High Limit)
Alkalinity	50.00	50.00	100.0%	75 - 125

Sequence Date(s): 9/27/00

Batch Extraction/Prep Date:

9/27/00

Sample ID - Sample/Dup 2000090128-30

Data Qualifiers: NONE - associated with this batch of samples.

Project(s) In Batch: 2000090128

Laboratory Order Variance & Documentation Tracking Form
MILLENNIUM Laboratories, Inc.

Sample Log-In Check List

☒ No problems were detected during the log-in for the sampling event received.

☐ Please see the item(s) checked below.

Problem(s) related to Shipping and Handling of Coolers & Documentation

- ☐ Shipping/Cooler Custody Seal was damaged
☐ Sample(s) received without refrigeration/cool ($> 4^{\circ}\text{C}$)
☐ Sample(s) were damaged during shipping (see note below)
☐ Documentation incomplete or missing (see note below)

Problem(s) related to specific sections of the Chain of Custody

☐ Report To:

☐ Billing information:

☐ Project information:

☐ Collection Date/Time:

☐ Sample Matrix

☐ Analytical Requested:

☒ Broken/Missing Sample(s): 1 jar for each

Corrective Action Taken: 17-2325-A & 4-0204-A broken

upon arrival at lab

Site Control

Coordinator: C.H.

Date: 5-19-00

Approved by: [Signature]

MILLENNIUM Labs - Project Number

2000- 050128

Date Rec'd 5-19

Date Due: 10-3

Rush ☐

Client

Project No: ES 725

Site: Hobbs

Project Mgr: Mike Amabile

Phone:

Report Tracking

Report Type	ML Staff Initials	Date completed
Faxed Rpt. ☒		☐ No Fax Required
Case Narrative Completed		
Final Rpt. Mailed		

Quality Assurance Tracking

Add'l Item(s) client has for this sampling event

TPA 418

Gen Chem.

Quality Assurance Req'd

- ☒ BTEX or BTEX/MtBE
☐ TPH (TX1005)
☐ Nitrate/Sulfate
☒ Metals
☐ VOCs by GC-MS
☐ SVOC by GC-MS
☐ PAH
☐ Pesticides
☐ Herbicides
☐ PCBs

QA/QC Filed

Initials/Date

Variance Filed

Initials/Date

Analytical Parameters Added:

- ☐ PAH Analyzed Sample # _____
☐ _____ Analyzed Sample # _____
☐ _____ Analyzed Sample # _____
☐ _____ Analyzed Sample # _____

Sub-contracted Analyses

GEOTECHS ML# _____ Sent: _____ Rec'd: _____ Lab: _____

INVOICE Tracking

- ☐ FUNDED Project (verify billing address)
☐ CASH Project
☐ Other: _____

RUSH FEES ☐ Yes ☐ No

Date Invoice Printed

Invoice Number

Invoice Amount

Invoice Created By:

☐ Mailed with Report to Project Manager

☐ Other:

Notes:

Chain-of-Custody Record

Millennium Labs - Project Number

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LAB USE ONLY

Page Number: Each Chain
PER PROJECT ONLY

REPORT TO:

BILLING INFORMATION

PROJECT INFORMATION

Company: <u>Environ</u>	PO No.:	Project Number: <u>V3705</u>
Mailing Address:	☐ Invoice per Fee Schedule Established for our firm:	Site Name (limited to 20 characters):
City: ST: Zip:	☒ Special Project: Invoice as per project quote: <u>Please attach quotation</u>	<u>Nebbs</u>
Phone:	☐ Direct Billing-Third Party: Attach sheet or use Remarks section for details	Sampled by:
Fax Phone:	☐ Priority Project: Lab is Authorized to invoice for RUSH FEES	Print Name(s) Below:
Report Attn: <u>M. Amabisco</u>	Send Invoice To: ☐ Project Manager ☐ See Remarks	1. <u>M. Amabisco</u>
		2.

☐ PAH-Soil: If, C ₆ -C ₂₈ total > 100 ppm;	Analyze one sample with the highest C ₁₀ -C ₂₈ concentration
☐ PAH-Water: If, C ₆ -C ₂₈ total > 5.0 ppm;	
☐ TDS: Analyze the cleanest sampling point based on TPH-total; if TPH is non-detect; select sample with lowest aromatic content (total BTEX)	
☐ TCLP-Metals: Based on Total Metals results; run TCLP Extraction on samples with parameters which exceed 20 times the TCLP Limits	
☐ TCLP-Volatiles: Based on VOC results; run TCLP Extraction on samples with compounds which exceed; (attach sheet or use remarks section)	

Remarks:

Turnaround Time

☐ 5 Working Days☐ Other:

days

Lab No.	Sample Identification	Collected		Matrix			Method		Total Lead 60108	BTEX/MTBE 8021	TPH 1005 8021	(8) RCRA Metals	Volatile Organics 826	Semi-Volatiles 8270	PAH 8310 8100 82	Pesticides 8081	Herbicides 8151	Additional Parameters				Comments	P r e s e r v e d	Total Number of Bottles per Location
		Date	Time	W	S	X	G	C																
1	17-0810-A	9/16/00	0750		X					X	X													2
2	17-1315-A	9/16/00	0800		X					X	X									X	X			3
3	17-1820-A	9/16/00	0815		X					X	X													2
4	17-1820-B	9/16/00	0815		X					X	X													2
5	17-2325-A	9/16/00	0830		X					X	X			X						X	X			3
6	16-0305-A	9/16/00	0905		X					X	X									X	X			3
7	16-0810-A	9/16/00	0915		X						X													1
8	16-1315-A	9/16/00	0930		X						X									X	X			2
9	16-1820-A	9/16/00	0945		X						X													1
10	16-2325-A	9/16/00	1000		X						X									X	X			2
11	19-0305-A	9/16/00	1040		X						X									X	X			2
12	19-0305-B	9/16/00	1040		X						X									X	X			2
13	19-0810-A	9/16/00	1050		X						X													1
14	19-1315-A	9/16/00	1105		X						X									X	X			1
15	19-1820-A	9/16/00	1120		X						X													1

Relinquished by: <u>M. Amabisco</u>	Date: <u>9/16/00</u>	Time: <u>1630</u>	Received by:	Date:	Time:	Condition of Sample(s) Received At Lab
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact ☐ Yes ☐ No
Relinquished by:	Date:	Time:	Received At Millennium Labs by:	Date:	Time:	Sample(s) Rec'd Iced/Cool ☐ Yes ☐ No
Method of Shipment: [see back copy for shipping address & instructions]						Temperature of Sample(s): <u>15.5</u>
☐ Ground Express	☒ Next-day Air FedEx-UPS	☐ Contract Courier	☐ Laboratory Personnel	☐ OTC-Delivery From Client		

Chain-of-Custody Record

Millennium Labs - Project Number

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LAB USE ONLY

Page Number Each Chain
PER PROJECT ONLY

REPORT TO:

BILLING INFORMATION

PROJECT INFORMATION

2000 -

Company	PO No.:	Project Number	Site Name (limited to 20 characters):	PAH-Soil: If, C ₆ -C ₂₈ total > 100 ppm;	Analyze one sample with the highest C ₁₀ -C ₂₈ concentration
Mailing Address	☐ Invoice per Fee Schedule Established for our firm:	140605		☐ PAH-Water: If, C ₆ -C ₂₈ total > 5.0 ppm;	
City ST: Zip:	☐ Special Project: Invoice as per project quote: Please attach quotation			☐ TDS: Analyze the cleanest sampling point based on TPH-total; if TPH is non-detect; select sample with lowest aromatic content (total BTEX)	
Phone	☐ Direct Billing-Third Party: Attach sheet or use Remarks section for details	Sampled by:		☐ TCLP-Metals: Based on Total Metals results; run TCLP Extraction on parameters which exceed 20 times the TCLP Limits	samples with
Fax Phone	☐ Priority Project: Lab is Authorized to invoice for RUSH FEES	Print Name(s) Below		☐ TCLP-Volatiles: Based on VOC results; run TCLP Extraction on samples with compounds which exceed: (attach sheet or use remarks section)	s with
Report Attn: M. Amara BCS	Send Invoice To: ☒ Project Manager ☐ See Remarks	1. M. Amara BCS			
		2.			

Remarks:

Turnaround Time

☐ 5 Working Days☐ Other:

days

Remarks:				Turnaround Time				Total Lead 6010B	BTEX/MTBE 8021	TPH 1005 418.1 80	(8) RCRA Metals	Volatile Organics 826	Semi-Volatiles 8270	PAH 8310 8100 82	Pesticides 8081	Herbicides 8151	Additional Parameters				Comments	P r e s e r v e d	Total Number of Bottles per Location
Lab No.	Sample Identification	Collected		Matrix			Method																
		Date	Time	W	S	X	G										C						
				☐ 5 Working Days ☐ Other: _____ days													MTL	Aldehyde	Sulfides	N. Chem			
16	6-0002-A	7/16/00	1535		X		X											X	X	X			3
17	6-0204-A	7/16/00	1540		X		X			X			X					X	X	X			3
18	6-0204-B	7/16/00	1540		X		X			X			X					X	X	X			3
19	8-0002-A	7/16/00	1550		X		X											X	X	X			2
20	8-0204-A	7/16/00	1555		X		X			X			X					X	X	X			3
21	4-0002-A	7/16/00	1600		X		X											X	X	X			2
22	4-0204-A	7/16/00	1610		X		X			X			X					X	X	X			3
23	7-0002-A	7/16/00	1620		X		X											X	X	X			2
24	7-0204-A	7/16/00	1630		X		X			X			X					X	X	X			3
25	5-0002-A	7/16/00	1640		X		X											X	X	X			2
26	5-0204-A	7/16/00	1650		X		X			X			X					X	X	X			3
27	1-0001-A	7/16/00	1700		X		X											X			X		2
28	2-0001-A	7/16/00	1705		X		X											X			X		2
29	3-0001-A	7/16/00	1710		X		X											X			X		2

Relinquished by M. Amara	Date: 7/18/00	Time: 15:00	Received by:	Date:	Time:	Condition of Sample(s) Rec'd At Lab
Relinquished by	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact ☐ Yes ☐ No
Relinquished by	Date:	Time:	Received At Millennium Labs by:	Date:	Time:	Sample(s) Rec'd Iced/Cool ☐ Yes ☐ No
Method of Shipment: [see back copy for shipping address & instructions]			☐ Greyhound Express ☒ Next-day Air FedEx-UPS ☐ Contract Courier ☐ Laboratory Personnel ☐ OTC-Delivery From Client			☒ Temperature of Sample(s): 21

Chain-of-Custody Record

Millennium Labs - Project Number

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LAB USE ONLY

Page Number Each Chain
PER PROJECT ONLY

REPORT TO:

BILLING INFORMATION

PROJECT INFORMATION

Company: <u>Environ</u>	PO No.:	Project Number: <u>15701</u>	Site Name (limited to 20 characters): <u>Hobbs</u>
Mailing Address:	☐ Invoice per Fee Schedule Established for our firm:	☐ PAH-Soil: If, C ₆ -C ₂₈ total > 100 ppm; Analyze one sample with the highest C ₁₀ -C ₂₈ concentration	
City: ST: Zip:	☒ Special Project: Invoice as per project quote: Please attach quotation	☐ PAH-Water: If, C ₆ -C ₂₈ total > 5.0 ppm;	
Phone: - -	☐ Direct Billing-Third Party: Attach sheet or use Remarks section for details	☐ TDS: Analyze the cleanest sampling point based on TPH-total; if TPH is non-detect; select sample with lowest aromatic content (total BTEX)	
Fax Phone: - -	☐ Priority Project: Lab is Authorized to invoice for RUSH FEES	☐ TCLP-Metals: Based on Total Metals results; run TCLP Extraction on samples with parameters which exceed 20 times the TCLP Limits	
Report Attn: <u>M. Anabisco</u>	Send Invoice To: ☒ Project Manager ☐ See Remarks	☐ TCLP-Volatiles: Based on VOC results; run TCLP Extraction on samples with compounds which exceed: (attach sheet or use remarks section)	

Remarks:

Turnaround Time

☐ 5 Working Days☐ Other:

days

Lab No.	Sample Identification	Collected		Matrix			Method		Total	BTEX	TPH	(8)	Vol	Semi	PAH	Pestic	Herb	MTC	MTC			attach additional sheet(s)	e d	per Location
		Date	Time	W	S	X	G	C																
30	19-2325-A	9/16/00	1135		X		X			X								X	X					2
31	21-0305-A	9/16/00	1250		X		X			X	X			X				X	X					4
32	21-0305-B	9/16/00	1250		X		X			X	X			X				X	X					3
33	21-0810-A	9/16/00	1300		X		X			X														1
34	21-1315-A	9/16/00	1317		X		X			X								X	X					2
35	18-0305-A	9/16/00	1420		X		X			X								X	X					2
36	18-0810-A	9/16/00	1430		X		X			X														1
37	18-1315-A	9/16/00	1440		X		X			X								X	X					2
38	18-1820-A	9/16/00	1450		X		X			X														1
11																								

Relinquished by: <u>M. Anabisco</u>	Date: <u>9/16/00</u>	Time: <u>1630</u>	Received by:	Date:	Time:	Condition of Sample(s) Received At Lab
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact ☐ Yes ☐ No
Relinquished by:	Date:	Time:	Received At Millennium Labs by:	Date:	Time:	Sample(s) Rec'd Iced/Cool ☐ Yes ☐ No
Method of Shipment: [see back copy for shipping address & instructions]					Temperature of Sample(s):	
☐ Ground Express	☒ Next-day Air FedEx-UPS	☐ Contract Courier	☐ Laboratory Personnel	☐ OTC-Delivery From Client		