PHASE I ENVIRONMENTAL SITE ASSESSMENT

GUADALUPE PROJECT
PASCUA YAQUI PROPERTY
GUADALUPE, ARIZONA

JOB NO. 2181JH195

Western Technologies Inc.
The Quality People
Since 1955

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Prepared For:

Flood Control District of
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2801 West Durango Street
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August 28, 2001

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TABLE OF CONTENTS

Page No.

TABLE OF CONTENTS

EXECUTIVE SUMMARY

Western Technologies Inc. conducted a Phase I Environmental Site Assessment (ESA) of the Guadalupe Project located at the Pascua Yaqui Property in Guadalupe, Arizona (the Property). The purpose of this ESA was to identify to the extent feasible, pursuant to the processes described herein, recognized environmental conditions, in connection with the Property.

The Property contains fallow, vacant land and has never been developed.

A review of regulatory agency databases indicates that there were no listings for the Property in the standard or additional database sources. One LUST site was found within 1/2 mile of the Property.

Based on WT's evaluation of the collected data, WT concludes that this assessment has revealed no evidence of recognized environmental conditions in connection with the Property and WT makes no recommendations for further assessment.

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1.0 INTRODUCTION

1.1 Project Authorization

This report presents the results of a Phase I Environmental Site Assessment (ESA) of the Guadalupe Project located on the Pascua Yaqui Property in Guadalupe, Arizona (the Property). Western Technologies Inc. (WT) was retained and authorized by Ms. Theresa Pinto of Flood Control District of Maricopa County (FCDMC) to perform this ESA in accordance with Contract No. FCD-2000C023 between WT and the FCDMC. This report has been prepared for Flood Control District of Maricopa County and may not be utilized or relied upon by any other person or entity without the written permission of Western Technologies Inc.

1.2 Purpose

The purpose of this ESA was to evaluate for recognized environmental conditions on the Property.

1.3 Scope of Services

The scope of work for this assessment was specified in Contract No. FCD 2000C023, and substantially meets the requirements set forth in American Society for Testing and Materials, ASTM Standard E1527.

The following tasks were implemented:

- regulatory agency records review
- physical setting research
- historical Property use
- property reconnaissance
- soil sampling
- interviews, and
- reporting.

1.4 Limiting Conditions

WT initiated this assessment through a systematic review and observation of current conditions at the Property. WT reviewed the adjoining areas that were visible from the

Property or from public thoroughfares. WT encountered no limiting conditions during the site visit.

1.5 Credentials

This ESA was performed by Mr. Aaron Stewart and was reviewed by Mr. David Regonini. These individuals possess sufficient education, training and experience to qualify as environmental professionals under ASTM E1527, and have the ability to develop conclusions regarding recognized environmental conditions, if any, concerning the Property. Resumes for these individuals are available from this office upon request.

2.0 PROPERTY AND AREA INFORMATION

This section describes the general setting of the Property and adjoining sites. The perimeter of the Property was walked and four passes were made on foot across the Property.

2.1 Location

The Property is a 150 foot by 800 foot rectangular section of land on the east side of the Pascua Yaqui Tribe property located south of Guadalupe Road and east of Avenida Del Yaqui. The cadastral description of the Property, related to the US Public Land Survey System, is a portion of the southeast 1/4, of the northwest 1/4, of the northwest 1/4 of Section 9, Township 1 South, Range 4 East, of the Gila and Salt River Baseline and Meridian, Maricopa County, Arizona. The general location of the Property is shown on the Vicinity Map in Appendix A.

2.2 Current Property Use and Description

The Property is vacant land. WT interviewed Cynthia Martinez, who is the Office Supervisor with the Pascua Yaqui Tribe, as a key site manager at the Property during the site visit on July 10, 2001.

The main access to the Property is from the vacant land bordering its west side. A secondary accessway was seen from Calle Tomi, which borders the Property's north side. The Property's north and east boundaries contain wood or chain link fences, the south boundary contains a block wall, and the west boundary is open.

Foot paths transverse through the Property (Appendix B, Pictures 1 and 2). These paths appear to be used for pedestrian, bicycle, and motorcycle movement across the Property.

2.3 Current Adjoining Property Use and Description

The area surrounding the Property consisted of commercial, retail, and single and multi-family residential development. The commercial and retail development is generally seen off of Avenida del Yaqui.

The sites adjoining the Property consist of the following:

North of the Property is residential and commercial development.

East of the Property is residential development.

South of the Property is vacant land.

West of the Property is residential, a firewood sales lot, and commercial development.

2.4 General Topography

The U.S. Geological Survey (USGS) Guadalupe Quadrangle 7.5-Minute Series topographic map shows that the Property has an approximate elevation of 1260 feet above Mean Sea Level (MSL) and the terrain slopes to the east.

2.5 Regional Geology

The Property is located within the Basin and Range Physiographic Province that is bounded to the east by the Mazatzal, Usery, Goldfield, and Superstition Mountains; to the south by the Sacaton, Sierra Estrella, and South Mountains and the Buckeye Hills; to the west by the White Tank Mountains; and to the north by the Hieroglyphic, Wickenburg, and New River Mountains and the New River Mesa. The bordering mountains are composed chiefly of igneous and metamorphic rock.

The Phoenix Active Management Area is divided into several sub-basins consisting of broad alluvial basins filled with over a thousand feet of sedimentary deposits consisting primarily of silt, sand, clay, gravel, and cobbles. The East and West Salt River Valley Sub-basins (the two main sub-basins in the Phoenix AMA) are separated by the Phoenix Mountains, Papago Buttes, and Union Hills. The Property is located in the East Salt River Valley Sub-basin.

2.6 Regional Hydrogeology

Three main water-bearing units comprise the basin-fill deposits. The units, in ascending order, are the Tertiary Lower Conglomerate Unit (LCU), the Quaternary and Tertiary Middle Fine-grained Unit (MFU), and the Quaternary Upper Alluvial Unit (UAU), (U.S. Bureau of

Reclamation, 1976). The upper alluvial unit is the primary source of groundwater in the East Salt River Valley Sub-basin. Groundwater is usually unconfined, but semi-confined conditions exist in areas where there is an increase of fine-grained materials.

According to the latest ADWR publication, Report No. 27 dated 1995, the depth to groundwater in the area of the Property is approximately 190 feet below ground surface. The regional groundwater flow, based on a 50-foot contour interval, is easterly.

3.0 PROPERTY RECONNAISSANCE

3.1 Utilities

The utilities servicing the Property are:

- Electric: Salt River Project
- Gas: No service observed
- Water: City of Tempe
- Sanitary Sewer: Town of Guadalupe
- Solid Waste Disposal: No service observed

3.2 Potential PCB Sources

Electrical equipment including transformers, capacitors, and generators, and hydraulic equipment including elevators, are potential sources of PCBs.

None of these potential sources were noted during the visit.

3.3 Above Ground Storage Tanks (ASTs)

No ASTs or surface indications of former ASTs were noted during the site visit. According to Ms. Martinez, ASTs are currently not installed on the Property, and she has no actual knowledge of past ASTs on the Property.

3.4 Underground Storage Tanks (USTs)

Surface evidence of existing or former USTs includes pump islands, cut-off pipes, fill ports, vent pipes, asphalt patches, vapor extraction wells, groundwater monitoring wells, and remedial systems.

No surface evidence of existing or former USTs was noted during the site visit. According to Ms. Martinez, USTs are currently not installed on the Property, and she has no actual knowledge of past USTs on the Property.

3.5 Hazardous Substances, Petroleum Products, and Unidentified Substance Containers

At the time of the site reconnaissance, WT did not observe the usage, treatment, storage, disposal or generation of hazardous substances or petroleum products in connection with current Property uses. WT did not observe the presence of containers, including drums, pails, bags, bins, silos, or pressurized cylinders, holding hazardous or unknown substances or petroleum products.

According to Ms. Martinez, hazardous substances and petroleum products are not used on the Property, and she had no actual knowledge of the prior usage of these materials. Ms. Martinez indicated that she had not been informed of the prior existence of hazardous substances or petroleum products on the Property.

3.6 Liquid Waste Indicators

Liquid waste indicators include: stressed vegetation; odors; pools of liquid; stains or corrosion on soil, pavement or other surfaces; water discoloration; sheens; or free floating product.

No surface evidence of the listed liquid waste indicators was noted on the Property during the site visit.

3.7 Solid Waste Indicators

Indications of solid waste disposal include: solid waste collection containers; the presence of debris on the surface; mounding, depressions, or grading caused by non-natural sources; or fill or suspected fill from an unknown source.

WT observed soil mounds transversing the center of the Property (Appendix B, Pictures 2 and 3). According to Ms. Martinez, these soil mounds possibly could be the result of ground leveling for mobile homes that existed east of the Property from 1997 to 2000. A soil sample was collected from the soil mounds and the results of the soil sampling can be found in Section 6.0.

Old tires were observed on the east center boundary of the Property (Appendix B, Picture 4). Litter was present throughout the Property (Appendix B, Picture 5).

According to Ms. Martinez, she had no actual knowledge, nor had she been informed that the Property had been used as a landfill, transfer station, recycling facility, or other waste handling activity.

3.8 Wastewater and Other Liquid Discharges

Wastewater and other liquid discharges include: existing or former surface impoundments; oil/water separators; sumps; catch basins; injection wells; groundwater or wastewater treatment systems; septic systems including tanks, leach fields, and seepage pits; floor drains; compressor blowdown; exterior pipe discharges; pits; ponds; and lagoons.

No surface evidence of the listed liquid waste indicators was noted on the Property during the site visit.

3.9 Storm Water and Drainage Control Features

WT did not see natural or engineered storm water or drainage control features on the Property. Storm water is expected to collect in low-lying surface areas, and dissipate through infiltration to the soil, or by evaporation to the air.

3.10 Air Emissions

Air emissions from a given facility may be indicated by noticeable odors or dust, laboratory hoods, exterior vents, incinerators, bag houses, and cyclones.

No air emissions were noted emanating from the Property during the site visit. According to Ms. Martinez, there are no regulated air emissions emanating from the Property and no current air permit requirements.

3.11 Existing or Former Wells

Wells can be identified through the presence of: well casings extending above the ground surface; turbines or pumps installed above the well; the presence of a water storage tank, pressure tank, or water distribution piping. Water produced from wells can be utilized for irrigation; public distribution; personal consumption; or environmental or hydrological monitoring.

WT did not observe evidence of wells on the Property.

4.0 HISTORIC SITE INFORMATION

Historic conditions of the Property were identified through interviews and a review of various standard historical information sources including city directories, plans, drawings, and building inspection records, fire insurance maps, topographic maps and atlases, and aerial photographs.

4.1 Interviews

According to Ms. Martinez, the Property has never been developed and has been owned by the Pascua Yaqui Tribe of Arizona since 1995. In 1995, the Pascua Yaqui administration office building was developed to the west of the Property. In 1997, the area west of the Property was developed with twelve mobile homes for residential use. These mobile homes were removed between August and October 2000.

According to Ms. Martinez, there are no known previous environmental inspections, environmental investigations, environmental site assessments, environmental violations, pending law suits or administrative actions, or environmental liens relating to the Property, or to current or past owners, occupants, or facilities which were on the Property.

4.2 Aerial Photography

Aerial photographs from the Landiscor and Rupp Aerial Photo, Inc. were reviewed to evaluate past uses and relevant characteristics of the Property and adjoining sites. The earliest available photograph was dated 1949. A copy of the photograph dated 2001 is included in Appendix C.

- February 17, 1949, Rupp, DHP-16F-55, 1" = 1676'
  The Property contains native land. The Highline Canal and cultivated land are to the east of the Property. The north, south, and west surrounding areas contain native land.

- December 30, 1957, Rupp, DHP-2V-130, 1" = 1760'
  This photograph shows no significant changes to the Property or adjoining sites when compared to the 1949 photograph.

- January 24, 1964, Rupp, DHP-6EE-104, 1" = 1576'
  The Property contains native land. Residential structures are to the north, west, and east of the Property. Native land and a landing strip are to the south of the Property.

- January 19, 1970, Rupp, DHP-4LL-186, 1" = 1600'
  This photograph shows no significant changes to the Property or adjoining sites when compared to the 1964 photograph.

- December 15, 1976, Rupp, 1S 4E 3,4,9,10, 1" = 1760'
  This photograph shows no significant changes to the Property or adjoining sites when compared to the 1970 photograph.

- November 8, 1986, Rupp, 1S 4E 3,4,9,10, 1"=1900'
  The Property and adjoining area to the south of the Property is vacant land. The landing strip to the south no longer exists. Residential structures are to the west of the Property on the west side of Avenida del Yaqui.

- November 19, 1989, Landiscor, P-18, 1"=1200'
  This photograph shows no significant changes to the Property or adjoining sites when compared to the 1986 photograph.

- December 19, 1994, Rupp, K-14, 1"=2200'
  This photograph shows no significant changes to the Property or adjoining sites when compared to the 1989 photograph.

- January 23, 1999, Landiscor, P-18, 1"=1200'
  This photograph shows no significant changes to the Property or adjoining sites when compared to the 1994, with the exception of twelve mobile homes and the administration building to the west of the Property.

- May 9, 2001, Rupp, K-14, 1"=300'
  This photograph shows no significant changes to the Property or adjoining sites when compared to the 1999 photograph with the exception of the twelve mobile homes no longer being present west of the Property.

4.3 Topographic Maps

Two versions of the Guadalupe quadrangle topographic map from the United States Geological Survey (USGS) dated 1952, photo revised in 1973 and 1982, (Scale: 1" = 2000') were reviewed. Both versions depict the Property as containing only scrub vegetation. Scrub vegetation and residential structures were depicted to the north. The landing strip to the south of the Property was also depicted. The North Branch Highline Canal was shown to the east of the Property. Residential structures occupied the area to the west of the Property.

The 1958 and 1967 Maricopa County Atlases show no significant features on the Property. A telegraph coaxial cable to the west of the Property, the North Branch Highline Canal to the east of the Property, and vacant land to the south of the Property were depicted.

The 1989 Maricopa County Atlas shows no significant features on the Property or the surrounding areas.

4.4 City Directory Information

City Directories may be useful in determining the type of facility or business that previous occupants operated at a particular address. All addresses which receive telephone services are listed in the City Directories.

A review of the City Directories in 5-year increments for the years from 1940 to 2000 found no listings for the even addresses within the 9400 to 9600 block of South Calle Tomi, Guadalupe, Arizona.

5.0 ENVIRONMENTAL RECORDS REVIEW

Information in this section is based on an *Environmental FirstSearch*™ Site Assessment Report obtained from TRACK Info Services, LLC (TRACK). TRACK's database includes information obtained from the Environmental Protection Agency (EPA) and the Arizona Department of Environmental Quality (ADEQ). A copy of the TRACK report, which contains descriptions of the databases searched and their release dates, is included in Appendix D.

5.1 National Priorities List (NPL)

The NPL is a list of the United States Environmental Protection Agency's (EPA) highest priority sites for remedial action. The release date for this information is April 17, 2001. The minimum search distance is one mile.

- *The Property was not found in this database.*
- *NPL sites were not found within the one mile search distance.*

5.2 Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

The CERCLIS list is a compilation by the EPA of sites that have been or are currently under investigation for releases of hazardous substances for possible inclusion on the NPL. The release date for this information is July 9, 2001. The minimum search distance is one-half mile.

- *The Property was not found in this database.*
- *CERCLIS sites were not found within the one-half mile search distance.*

5.3 Emergency Response Notification System (ERNS) Database

The Emergency Response Notification System (ERNS) is operated by EPA and collects and documents information from spills reported by federal, state, and local emergency

response organizations. The release date for this information is January 6, 2000. The search is limited to the Property.

- *The Property was not found in this database.*

5.4 Resource Conservation Recovery Act (RCRA) Generators Database

The RCRA generators database lists facilities that have notified the EPA that they generate hazardous waste. The release date for this information is April 19, 2001. The minimum search distance is one-eighth mile.

- *The Property was not found in this database.*

- *RCRA generators were not found within the one-eighth mile search distance.*

5.5 RCRA Treatment, Storage, and Disposal Facilities (TSDF) Database

The EPA maintains the RCRA TSDF database, which identifies facilities that have obtained either a final or an interim status permit for the treatment, storage or disposal of hazardous wastes, and known facilities operating without a permit. The release date for this information is April 19, 2001. The minimum search distance is one mile.

- *The Property was not found in this database.*

- *RCRA TSDFs were not found within the one mile search distance.*

5.6 RCRA Compliance Log

The ADEQ lists facilities that have undergone a RCRA inspection or corrective action. The release date for this information is April 19, 2001. WT reviewed this database to determine if the identified RCRA generator was listed.

- *No RCRA generators or TSDFs were identified in this database.*

5.7 RCRA Corrective Action Database (CORRACTs)

The US Environmental Protection Agency lists corrective actions at hazardous waste TSDF sites. The release date for this information is April 19, 2001. The minimum search distance is one mile.

- *The Property was not found in the CORRACTs database.*

- *CORRACTs sites were not found within the one mile search distance.*

5.8 Facility Index System (FINDS)

FINDS lists references to other sources that contain more detail. The release date for this information is June 28, 2001. The minimum search distance is the Property.

- *The Property was not found in the FINDS database.*

5.9 Water Quality Assurance Revolving Fund (WQARF)

WQARF is the Arizona state equivalent Superfund program. The program includes: WQARF priority list sites; Non-NPL Department of Defense sites; other WQARF sites; and voluntary clean-up sites. The release date for this information is August 25, 2000. The minimum search distance is one mile.

- *The Property was not found in this database.*

- *WQARF sites were not found within the one mile search distance.*

5.10 The Arizona CERCLA Information and Data Systems (ACIDS)

ACIDS is the Arizona state equivalent CERCLIS program. The ADEQ lists sites subject to environmental contamination investigation and whose activities may have the potential for environmental contamination. The release date for this information is January 13, 2000. The minimum search distance is one-half mile.

- *The Property was not found in this database .*

- *ACIDs sites were not found within the one-half mile search distance.*

5.11 Underground Storage Tanks (USTs) List

The ADEQ maintains a database of registered USTs in the State of Arizona. The release date for this information is January 14, 2000. The minimum search distance is one-eighth mile.

- *The Property was not found in this database.*

- *Registered USTs were not found within the one-eighth mile search distance.*

5.12 Leaking UST (LUST) List

The ADEQ maintains a database of USTs that have been reported as leaking. The release date for this information is July 20, 2001. The minimum search distance is one-half mile.

- *The Property was not found in this database.*

- *The following sites within one-half mile were found in this database:*

REF. NO.	FACILITY	LOCATION	NOTIFICATION DATE	STATUS
1	Penske Truck Leasing Co.	1541 W Bell de Mar, Tempe, Arizona	1/8/96	Closed 7/12/96 Soil level meets Tier I

5.13 Active and Inactive Solid Waste Facilities

The ADEQ maintains a list of active, inactive, and closed municipal solid waste landfills, rubbish landfills, and solid waste dumps. The release date for this information is October 1, 1999. The minimum search distance is one-half mile.

- *The Property was not found in this database.*

- *Solid waste sites were not found within the one-half mile search distance.*

5.14 Hazardous Materials Incident Logbook

The Hazardous Materials Incident Logbook (HAZMAT Log) documents chemical spills and incidents referred to the ADEQ. The release date for this information is May 19, 1999. The search is limited to the Property.

- *The Property was not found in this database.*

5.15 Dry Well Registration

The ADEQ Dry Well Registration list was reviewed to identify any dry wells registered to the Property. The release date for this information is October 1, 2000.

- *WT did not find any dry wells registered to the Property.*

5.16 Septic Systems

The Environmental Services Department of Maricopa County was contacted regarding septic systems for the Property. This written request was made on June 14, 2001.

- *The Environmental Services Department of Maricopa County does not have records of septic systems for the Property.*

5.17 Fire Department

The Guadalupe Fire Department was contacted regarding UST and AST records, flammable contents permits, hazardous materials incidents, investigation reports and code violations for the Property. This verbal request was made on July 30, 2001.

- *As of the date of this report, WT has not received a response to our request. Once the information is received from the Guadalupe Fire Department, WT will forward it as an addendum to this report.*

6.0 SOIL SAMPLING ACTIVITIES

Soil sampling of the soil mounds on the Property was performed on July 10, 2001, by Mr. Aaron Stewart, RES, of WT. The objective of these sampling activities was to characterize the soil within the soil mounds on the Property.

6.1 Sample Collection Procedures

One assessment point was selected for the soil mounds on the Property (see Appendix A, Figure 2). The soil sample was obtained with a manually operated stainless steel soil scoop. A pre-cleaned soil scoop was used to collect the surface soil sample from a randomly selected point on the soil mound. The collected soil was transferred to a 4-ounce glass jar.

A portion of the collected soil sample was preserved in the field for volatile organics analysis using a methanol extraction procedure. Approximately 10 grams of soil (+/-0.1 g) was measured into a 40-milliliter glass vial containing a pre-measured 10-milliliter aliquot of methanol. The vial cap was then tightly applied.

The collected sample was then labeled with an alpha-numeric code, PY-2, that corresponded to the assessment point of sample retrieval. The sample containers were placed into a cooler with ice and logged onto a chain-of-custody form.

6.2 Analytical Methods and Results

WT submitted the soil sample to Transwest Geochem of Phoenix, Arizona, for chemical analysis. Transwest Geochem is certified by the Arizona Department of Health Services to perform the requested tests.

The collected sample was analyzed according to the following procedures:

EPA method 8081A	Organochlorine Pesticides
EPA method 8260B	Volatile Organics

EPA method 6000/7000	Total Concentrations of the 8 RCRA Metals
BLS method 8015-Azr1	Petroleum Range Hydrocarbons

Copies of the analytical chemistry reports, chain-of-custody record, and quality control data are included in Appendix E. The resulting data was compared to the ADEQ Soil Remediation Levels contained in the Arizona Administrative Code (A.A.C.), Title 18, Chapter 7, Article 2 (A.A.C. R18-7-201 et seq.). In 1991, The Arizona Department of Environmental Quality (ADEQ) developed a database on background metals concentrations in Arizona. The assembled data included 62 sample locations in the Phoenix and Tucson metropolitan areas that were reported as background samples in site investigation reports. The total metals data collected for this study was also compared to the published background levels.

Levels of Volatile Organics and Petroleum Range Hydrocarbons were reported as not detected, less than respective method reporting limits.

Levels of Arsenic, Cadmium, Mercury, Selenium, and Silver were reported as not detected, less than the respective method reporting limits.

Level of Barium in Sample PY-2 was 99 mg/kg. This level was below r-SRL for Barium of 5,300 mg/kg, and was consistent with the reported background range of 72.6 mg/kg to 230 mg/kg.

Level of Chromium in Sample PY-2 was 13 mg/kg. This level was below the r-SRL for Chromium of 2,100 mg/kg, and was consistent with the reported background range of 5.4 mg/kg to 34 mg/kg.

Level of Lead in Sample PY-2 was 8.2 mg/kg. This result was below the r-SRL for lead of 400 mg/kg, and was consistent with the reported background range of not detected to 24.5 mg/kg.

Levels of Organochlorine Pesticides were reported as not detected, less than the method reporting limits.

7.0 FINDINGS AND CONCLUSIONS

7.1 Findings and Opinions

Based on the data collected, WT makes the following findings:

Current Site Conditions

- The Property is fallow, vacant land.

- WT did not observe evidence of electrical transformers or any other potential PCB sources on the Property.

- WT did not observe dry wells or other drainage features on the Property.

- WT did not observe evidence of ASTs or USTs on the Property.

- Surface litter was observed on the Property. WT did not observe staining, leakage, or chemical odors, which would suggest the disposal of hazardous materials or petroleum products on the Property.

- WT collected a soil sample for sample analysis for organochlorine pesticides, volatile organics, RCRA metals, and petroleum range hydrocarbons from the soil mounding on the Property. The laboratory analytical results for all parameters were either less than the method reporting limits or below the ADEQ r-SRL levels.

- WT did not observe hazardous substances in connection with site uses.

- WT did not observe staining, stressed vegetation or chemical odors which would suggest the presence of hazardous materials on the Property.

Adjacent Land Use

- The adjoining sites to the north were residential property.

- The adjoining site to the south was vacant land.

- The adjoining sites to the east were residential property.

- The adjoining sites to the west were firewood sales lot, vacant land, and the Pascua Yaqui Tribe administration building, followed by Avenida Del Yaqui.

Historic Site Conditions

- Historical aerial photographs indicate that the Property has never been developed.

Regulatory Database Research

- WT found no database entries pertaining to the Property.

- NPL, CORRACTS, and WQARF sites were not found within the one mile minimum search distance.

- CERCLIS, ACIDS, TSDFs, RCRA Compliance, and Open/Closed Landfills were not found within the one-half mile minimum search distance.

- RCRA Notifiers and Registered USTs were not found within the one-eighth mile minimum search distance.

- WT found one leaking USTs within the one-half mile minimum search distance. This site has been categorized as "closed" by ADEQ, meaning it has been remediated to ADEQ's satisfaction.

7.2 ESA Conclusions

WT has performed a Phase I Environmental Site Assessment, in conformance with the scope and limitations of ASTM Practice E1527, of the Property known as the Guadalupe Project, located on the Pascua Yaqui Property in Guadalupe, Arizona. Any exceptions to or deletions from ASTM Practice E1527 are described in Section 8.0 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the Property and WT makes no recommendations for further assessment.

8.0 LIMITATIONS

The scope of this assessment was limited to those elements and tasks as described in the ASTM Standard Practice E1527. The conclusions presented are based upon observations by qualified personnel and their interpretation of information applied by others.

The purpose of this assessment was to assess the likelihood of recognized environmental conditions associated with the Property attributable to past and current uses of the Property and sites within the specified study area. Recognized environmental conditions are: the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances and petroleum products even under compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. As a result, this assessment does not highlight the presence of the following conditions unless they were the express concerns of contacted personnel, report and literature authors, or the work scope:

- Naturally occurring toxic and hazardous substances in the subsurface soils, rock, and water.

- Toxicity of substances common in current habitable environments, such as stored household products, building materials, and consumables.

- Contaminants or contaminant concentrations that are not a concern now but may be under future regulatory standards.

No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. The performance of an assessment according to ASTM Practice E1527 is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, recognizing reasonable limits of time and cost. Therefore, if none are identified as a result of this assessment, such a conclusion should not be construed as a guaranteed absence of recognized environmental conditions.

The following exceptions to the ASTM Practice E1527 are noted:

- The scope of work for this project included the collection and analyses of soil samples, which is outside the ASTM E 1527 standard practice.

- The report format is different and has been adapted to local standards.

9.0 REFERENCES

- The ASTM, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E-1527, dated 1997.

- Cole's City Directories dated: 1965, 1970, 1975, 1980, 1985, 1990, 1995, and 2000.

- Mullin-Kille and Baldwin City Directories dated: 1950, 1955, and 1960.

- Phoenix City Directories dated: 1940 and 1945.

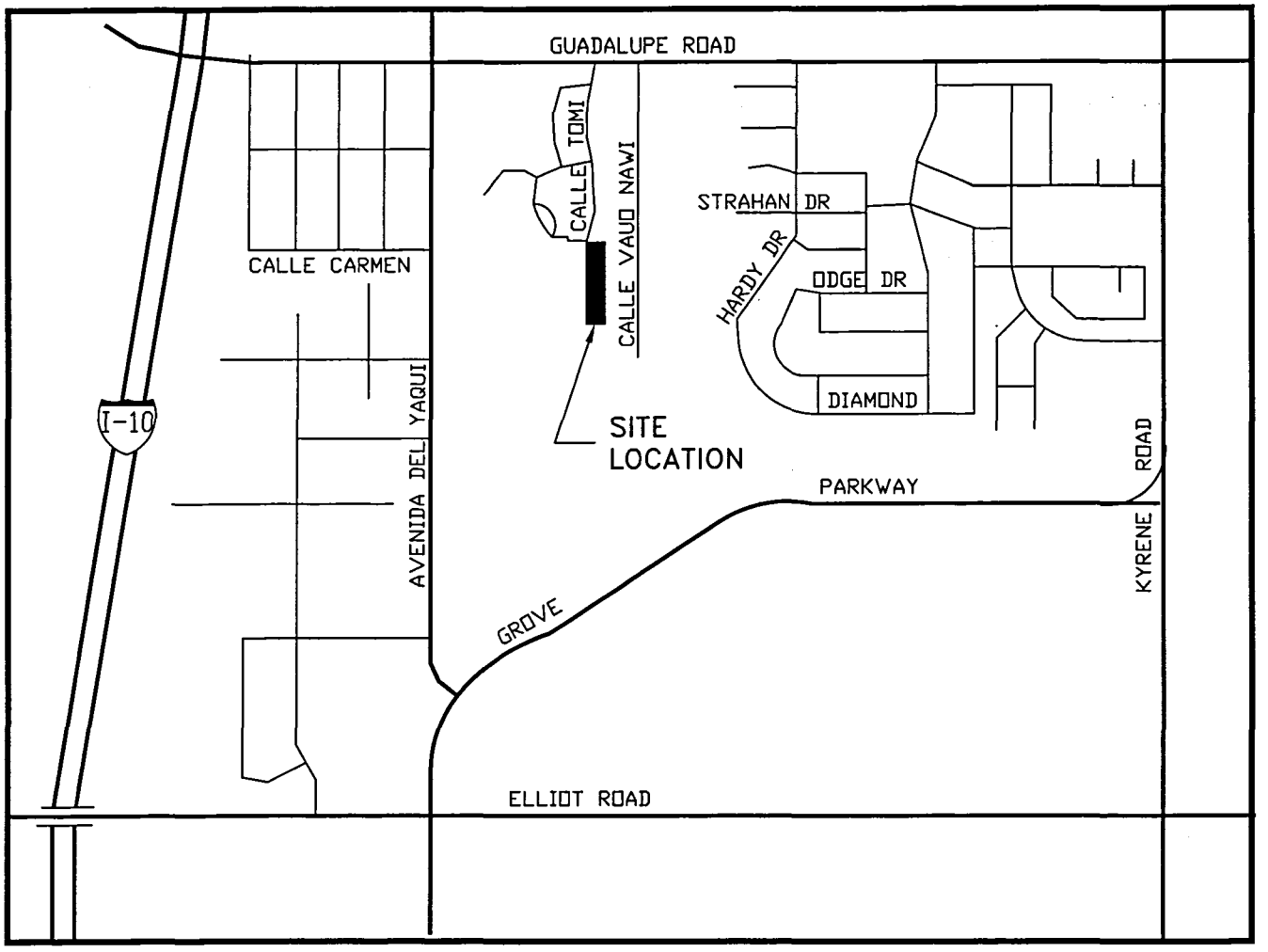
- ADWR, Report No. 27, dated 1995.

- Environmental Data Resources, Inc. (EDR) Report, 3530 Post Road, Southport, Connecticut, August 20, 2001.

- Rupp Aerial Photo, Inc., Aerial Photographic Prints: DHP-16F-55, February 17, 1949; DHP-2V-130, December 30, 1957; DHP-6EE-104, January 24, 1964; DHP-4LL-186, January 19, 1970; 1S 4E 3, 4, 9, 10 , December 15, 1976; 1S 4E 3, 4, 9, 10, November 8, 1986; K-14, December 19, 1994, K-14, May 9, 2001.

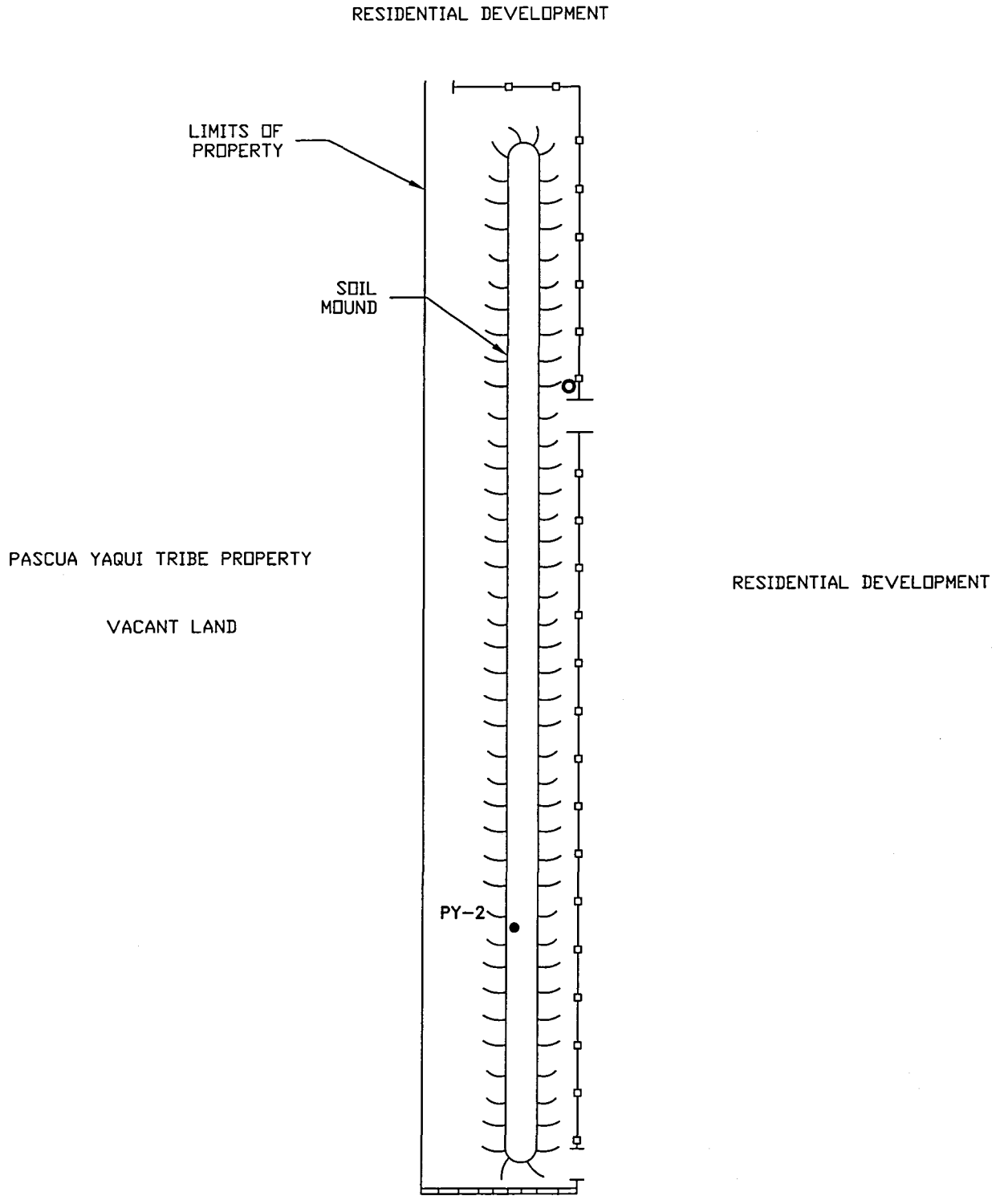
APPENDIX A:
VICINITY MAP AND SITE PLAN

Figure 1 – Vicinity Map
Pascua Yaqui Property – Guadalupe Project
Phase I Environmental Assessment



N NOT TO SCALE	Reviewed: AARON STEWART	Review Date: 8/20/2001
	Client: FCDMC	Prepared: M DUMSER
	Western Technologies Inc.	
	Job No.: 2181JH195	Figure: 1

Figure 2 – Site Plan
Pascua Yaqui Property – Guadalupe Project
Phase I Environmental Assessment



LEGEND:

- BLOCK WALL
- O APPROXIMATELY 20 TIRES
- ● # FIELD SAMPLE
- FENCE

N

NOT TO SCALE

Reviewed: AARON STEWART	Review Date: 8/20/2001
Client: FCDMC	Prepared: M DUMSER
Western Technologies Inc.	
Job No.: 2181JH195	Figure: 2

APPENDIX B:
SITE PHOTOGRAPHIC LOG

Picture No. 1 - Foot path access on the north side of the Property.

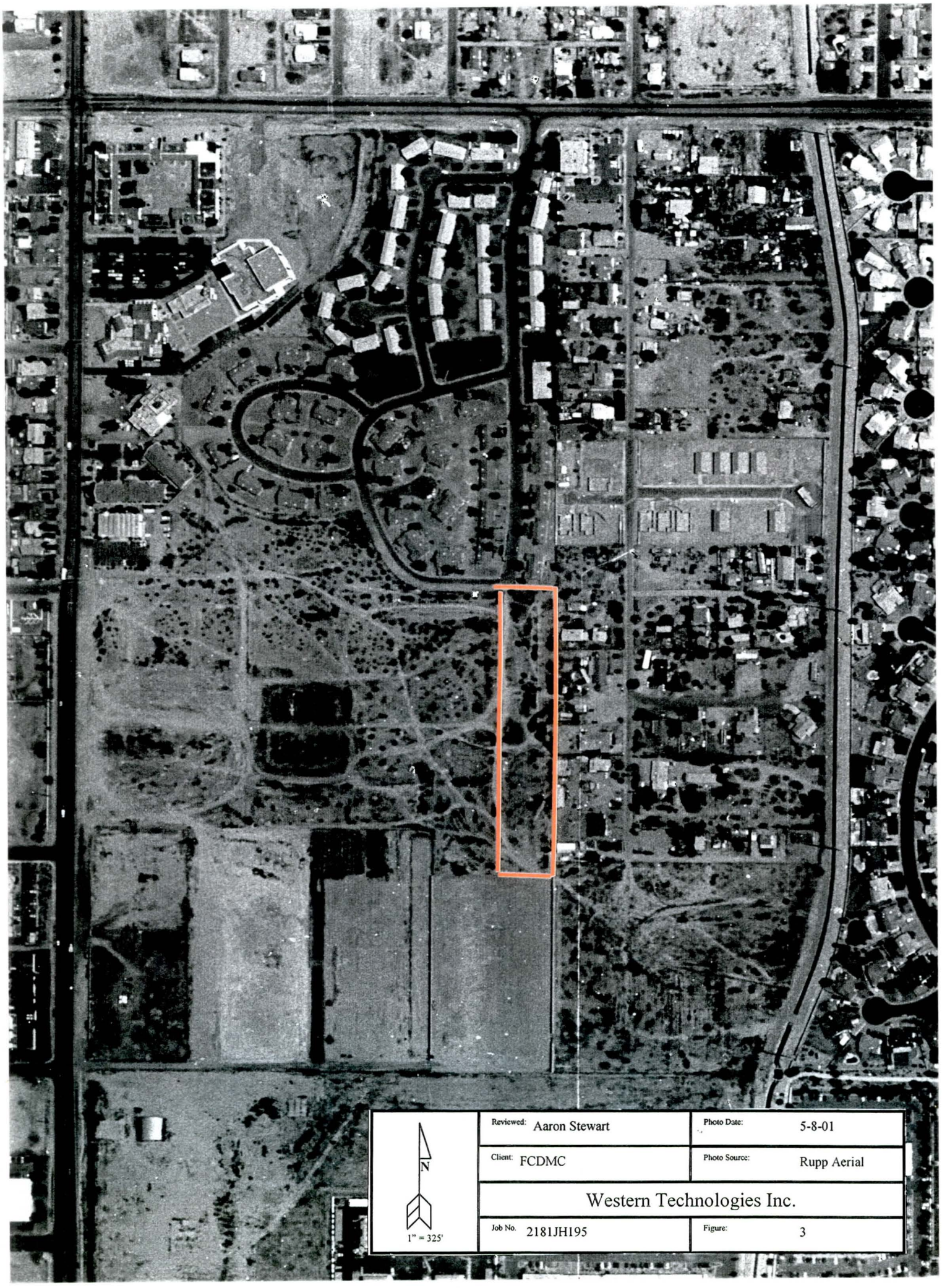
Picture No. 2 - Foot path access on the south side of the Property. Note the soil mounding transversing the Property.

Picture No. 3 - Soil mounds transversing the center of the Property. Note tracks on soil mounds from bicycle use.

Picture No. 4 - Approximately 20 discarded used tires on the east boundary of the Property.

Picture No. 5 - Discarded surface litter on the north side of the Property.

APPENDIX C:
AERIAL PHOTOGRAPH



N	Reviewed: Aaron Stewart	Photo Date: 5-8-01
	Client: FCDMC	Photo Source: Rupp Aerial
	Western Technologies Inc.	
1" = 325'	Job No. 2181JH195	Figure: 3

APPENDIX D:
FIRSTSEARCH DATABASE REPORT

TRACK ➤ INFO SERVICES, LLC

Environmental FirstSearch™ Report

TARGET PROPERTY:

9400 S. CALLE TOMI

GUADALUPE AZ 85283

Job Number: 2181JH195

PREPARED FOR:

Werstern Technologies Inc.

3737 East Broadway Road

Phoenix, Arizona 85040

08-20-01

Tel: (619) 562-4842 *Fax: (619) 562-4844*

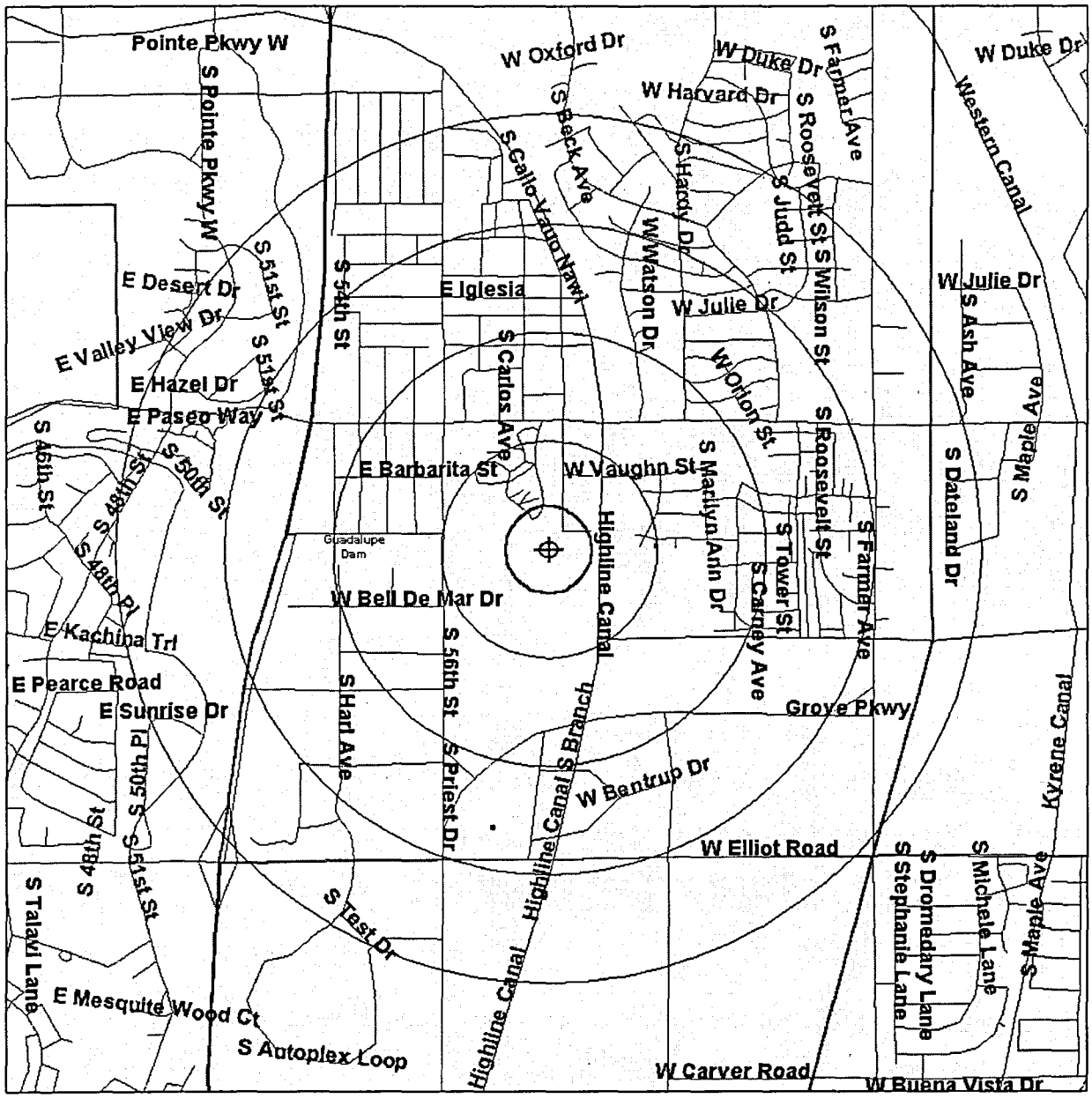
Environmental FirstSearch is a registered trademark of FirstSearch Technology Corporation. All rights reserved.

Environmental FirstSearch

1 Mile Radius

ASTM Map: NPL, RCRACOR, STATE Sites

9400 S. CALLE TOMI , GUADALUPE AZ 85283



Source: 1999 U.S. Census TIGER Files

Target Site (Latitude: 33.359421 Longitude: -111.958908) .....

Identified Site, Multiple Sites, Receptor .....

NPL, Solid Waste Landfill (SWL) or Hazardous Waste .....

Railroads .....

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

Environmental FirstSearch

.5 Mile Radius

ASTM Map: CERCLIS, RCRATSD, LUST, SWL

9400 S. CALLE TOMI , GUADALUPE AZ 85283

Source: 1999 U.S. Census TIGER Files

Target Site (Latitude: 33.359421 Longitude: -111.958908) .....

Identified Site, Multiple Sites, Receptor .....

NPL, Solid Waste Landfill (SWL) or Hazardous Waste .....

Railroads .....

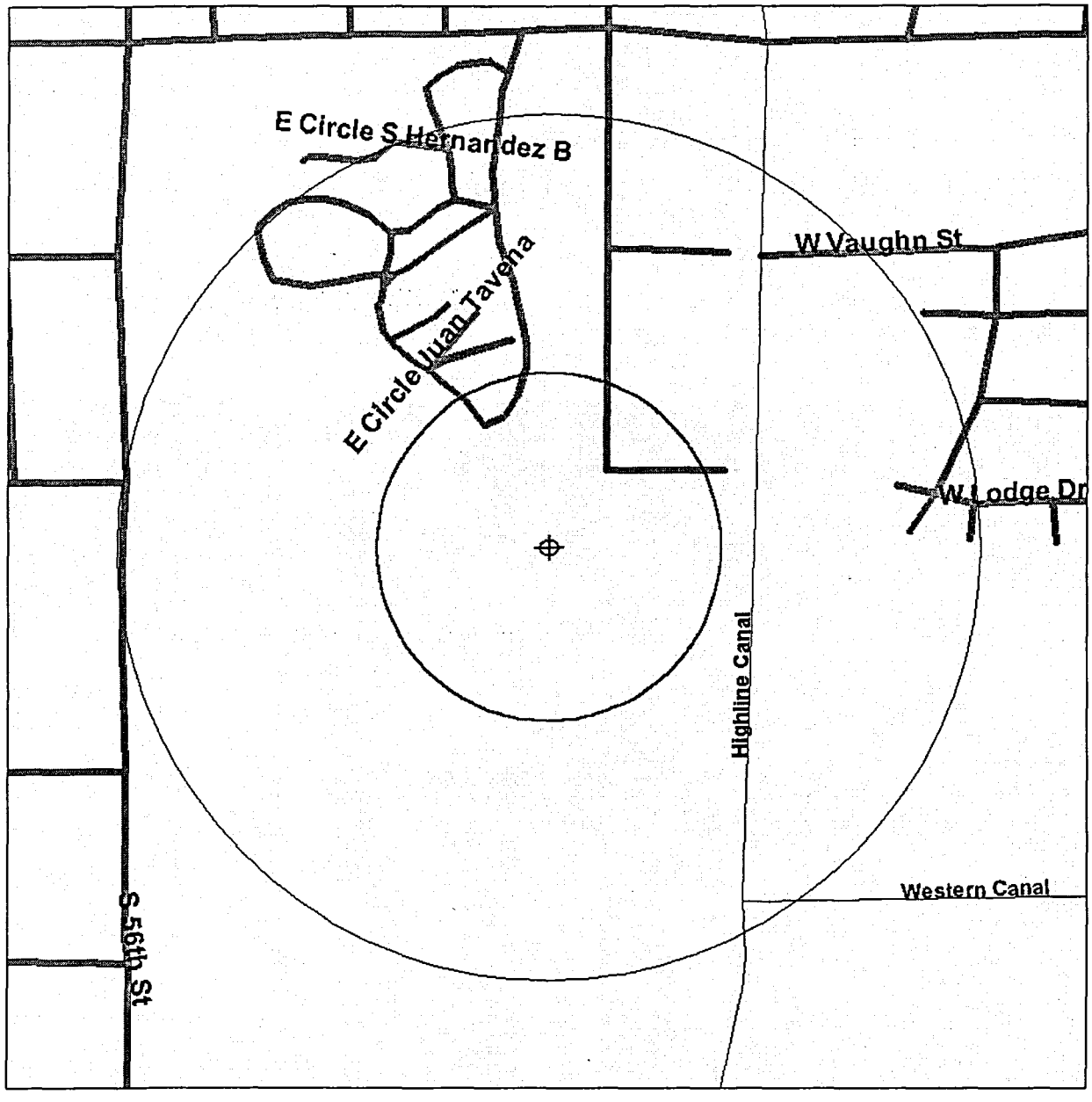
Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

Environmental FirstSearch

.25 Mile Radius

ASTM Map: RCRAGEN, ERNS, UST

9400 S. CALLE TOMI , GUADALUPE AZ 85283



Source: 1999 U.S. Census TIGER Files

Target Site (Latitude: 33.359421 Longitude: -111.958908) .....

Identified Site, Multiple Sites, Receptor .....

NPL, Solid Waste Landfill (SWL) or Hazardous Waste .....

Railroads .....

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

Environmental FirstSearch
Search Summary Report

Target Site: 9400 S. CALLE TOMI
GUADALUPE AZ 85283

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2 >	ZIP	TOTALS
NPL	Y	04-17-01	1.00	0	0	0	0	0	0	0
CERCLIS	Y	07-09-01	0.50	0	0	0	0	-	0	0
RCRA TSD	Y	04-19-01	0.50	0	0	0	0	-	0	0
RCRA COR	Y	04-19-01	1.00	0	0	0	0	0	0	0
RCRA GEN	Y	04-19-01	0.12	0	0	-	-	-	0	0
RCRA NLR	Y	04-19-01	0.12	0	0	-	-	-	0	0
ERNS	Y	01-06-00	0.05	0	0	-	-	-	0	0
NPDES	N	07-15-01	0.25	-	-	-	-	-	-	-
FINDS	Y	06-28-01	0.05	0	0	-	-	-	0	0
TRIS	N	07-16-98	0.25	-	-	-	-	-	-	-
State Sites	Y	08-25-00	1.00	0	0	0	0	0	0	0
Spills-1990	Y	05-19-99	0.05	0	0	-	-	-	0	0
Spills-1980	N	NA	0.25	-	-	-	-	-	-	-
SWL	Y	10-01-99	0.50	0	0	0	0	-	0	0
Permits	Y	10-01-00	0.05	0	0	-	-	-	0	0
Other	Y	01-13-00	0.50	0	0	0	0	-	0	0
REG UST/AST	Y	01-14-00	0.12	0	0	-	-	-	0	0
Leaking UST	Y	07-20-01	0.50	0	0	0	1	-	0	1
State Wells	N	NA	0.50	-	-	-	-	-	-	-
Aquifers	N	NA	0.50	-	-	-	-	-	-	-
ACEC	N	NA	0.50	-	-	-	-	-	-	-
Wetlands	N	11-20-00	0.50	-	-	-	-	-	-	-
Floodplains	N	NA	0.50	-	-	-	-	-	-	-
Receptors	N	01-01-95	0.50	-	-	-	-	-	-	-
Nuclear Permits	N	04-30-99	0.50	-	-	-	-	-	-	-
Historic/Landmark	N	03-08-01	0.50	-	-	-	-	-	-	-
Federal Land Use	N	06-17-98	0.50	-	-	-	-	-	-	-
Federal Wells	N	NA	0.50	-	-	-	-	-	-	-
Releases(Air/Water)	N	01-06-00	0.25	-	-	-	-	-	-	-
- TOTALS -				0	0	0	1	0	0	1

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to TRACK Info Services, certain conventions have been utilized in preparing the locations of all federal, state and local agenc sites residing in TRACK Info Services' databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although TRACK Info Services uses its best efforts to research the actual location of each site, TRACK Info Services does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of TRACK Info Services' services proceeding are signifying an understanding of TRACK Info Services' searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

Environmental FirstSearch
Sites Summary Report

TARGET SITE: 9400 S. CALLE TOMI
GUADALUPE AZ 85283

JOB: 2181JH195

TOTAL: 1 **GEOCODED:** 1 **NON GEOCODED:** 0 **SELECTED:** 1

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
1	LUST	PENSKE TRUCK LEASING CO 0-002939	1541 W BELL DE MAR DR TEMPE AZ 85283	0.36 SW	1

Environmental FirstSearch
Site Detail Report

TARGET SITE: 9400 S. CALLE TOMI
GUADALUPE AZ 85283

JOB: 2181JH195

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 1 **DIST/DIR:** 0.36 SW **MAP ID:** 1

NAME: PENSKE TRUCK LEASING CO
ADDRESS: 1541 W BELL DE MAR DR
TEMPE AZ 85283
CONTACT:

REV: 04/19/00
ID1: 0-002939
ID2:
STATUS:
PHONE:

FACILITY ID: *0-002939*
LEAK ID: *4325.01*
CASE PRIORITY: *CLOSED SOIL LEVELS MEET RBCA TIER 1*
DATE INCLUDED: *1/8/96*
DATE CLOSED: *7/12/96*
LUST OTHER:

Environmental FirstSearch
Federal Databases and Sources

1. **NPL:** ***National Priority List.*** The EPA's list of confirmed or proposed Superfund sites.

   Updated quarterly.

2. **CERCLIS:** ***Comprehensive Environmental Response Compensation and Liability Information System.*** The EPA's database of current and potential Superfund sites currently or previously under investigation.

   Updated quarterly.

3. **RCRIS:** ***Resource Conservation and Recovery Information System.*** The EPA's database of registered hazardous waste generators and treatment, storage and disposal facilities. Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List).

   Updated quarterly.

4. **ERNS:** ***Emergency Response Notification System.*** The EPA's database of EPA emergency response actions.

   Updated quarterly.

5. **NPDES:** ***National Pollution Discharge Elimination System.*** The EPA's database of all permitted facilities receiving and discharging effluents to and from the environment.

   Updated semi-annually.

6. **FINDS:** ***The Facility Index System.*** The EPA's Index of identification numbers associated with a property or facility which the EPA has investigated or has been made aware of in conjunction with various regulatory programs. Each record indicates the EPA office that may have files on the site or facility.

   Updated quarterly.

Environmental First Search
Arizona Databases and Sources

1. STATE SITES (WQARF & ACIDS)

The state has established a program under A.R.S. 49-282 to remedy sites which may have an actual or potential impact upon waters of the State, caused by hazardous substances. The Remedial Projects Section of ADEQ maintains this program. Some remedial projects are governed and funded by the federal CERCLA Superfund program and on the National Priority List. Among the sites in Arizona there are three military bases under the U.S. Dept. of Defense jurisdiction. For specific information contact the Remedial Projects Section at (602)207-4241.

The ACIDS list consists of locations subject to investigation under the State Water Quality Assurance Revolving Fund (WQARF) and Federal CERCLA programs. Specific information may be obtained by appointment from the Preliminary Assessment/Site Investigation Unit of ADEQ (602) 207-4227.

AREAS OF CRITICAL ENVIORNMENTAL CONCERN (ACEC'S)

Some WQARF sites are large areas and the boundaries of these areas are represented in the in ACEC area of the First Search Report. ACEC stands for Area of Critical Concern", and is a term used by the First Search Network, it is not a DEQ term.

2. SOLID WASTE LANDFILLS (SWATS)

The ADEQ Waste Programs Division Recycling and Data Management Unit maintains a list of solid waste facilities identified as active or closed. Specific information may be obtained by appointment from the department (602) 207-4133.

3. UNDERGROUND STORAGE TANKS (UST)

Under State (A.R.S. 49-1001 to 1014) and federal RCRA Subtitle laws, persons who own or have owned underground storage stands which contain „regulated substances" are required to complete a notification form and submit it to the State. More than 6500 facilities have notified the State of more that 19,000 underground tanks. For further information contact the file room at (602) 207-4345.

4. LEAKING UNDERGROUND STORAGE TANKS (LUST)

ADEQ maintains a list of leaking underground tanks (LUST). For further information contact the file room at (602) 207-4345.

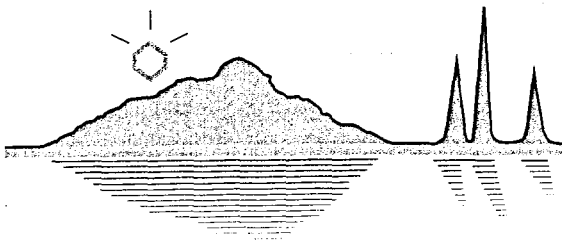
5. PERMITS (Dry Wells Registrations)

The ADEQ Water Quality Division Water Protection Approval and Permits Section maintains a registry of dry wells that have been constructed solely for the disposal of storm water registered under A.R.S. 49-331-336. For more specific information, call (602) 207-4573.

6. SPILLS (Hazardous Materials Incident Logbook)

The ADEQ Emergency Response Unit documents chemical spills & incidents which are referred to the Unit. For further information, call (602) 207-4150.

APPENDIX E:
SOIL SAMPLE RESULTS



TRANSWEST GEOCHEM

August 28, 2001

Vicky Aviles
Western Technologies, Inc.
3737 E. Broadway Rd.
Phoenix, AZ 85040

RE: Pascua Yaqui Property/2181JH195
Work Order No.: 0108218

Dear Vicky,

Transwest Geochem, Inc. received 1 sample on 7/10/2001 2:54:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Beth Proffitt
Project Manager

ADHS License No. AZM133/AZ0133

Date Printed: 28-Aug-01

Client: Western Technologies, Inc.
Work Order: 0108218
Project Name: Pascua Yaqui Property
Project Number: 2181JH195

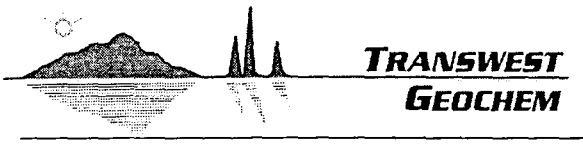
CASE NARRATIVE

Transwest Geochem, Inc. uses the methods outlined in the following references:

Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992 and 19th Edition, 1995.

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as noted below.

3725 E. Atlanta Ave. • Suite 2 • Phoenix, Arizona 85040 • (602) 437-0330 • 1-800-927-5183 • Fax (602) 437-0660



Date Printed 28-Aug-01
License No. AZM133/AZ0133

CLIENT: Western Technologies, Inc.
Project Name: Pascua Yaqui Property
Project Number: 2181JH195
Work Order: 0108218
Date Received: 10-Jul-01

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date
PY-2	0108218-02A	8015AZ	7/10/2001 12:44:00 PM
		SW6010B	7/10/2001 12:44:00 PM
		SW7471A	7/10/2001 12:44:00 PM
		SW8081	7/10/2001 12:44:00 PM
	0108218-02B	SW8260B	7/10/2001 12:44:00 PM

TRANSWEST GEOCHEM

Date Printed 28-Aug-01
License No. AZM133/AZ0133

CLIENT:	Western Technologies, Inc.
Project Name:	Pascua Yaqui Property
Project Number:	2181JH195
Work Order:	0108218
Date Received:	10-Jul-01

Data Qualifiers

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

M2	Matrix spike recovery was low, the method control sample recovery was acceptable.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

TRANSWEST GEOCHEM

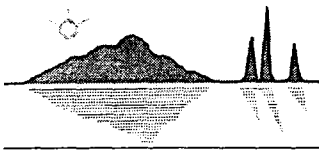
Date Printed 28-Aug-01

License No. AZM133/AZ0133

CLIENT: Western Technologies, Inc.
Project Name: Pascua Yaqui Property
Project Number: 2181JH195
Work Order: 0108218
Date Received: 10-Jul-01

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.



TRANSWEST GEOCHEM

Date Printed 28-Aug-01

License No. AZM133/AZ0133

CLIENT: Western Technologies, Inc.
Work Order: 0108218
Lab ID: 0108218-02
Project Name: Pascua Yaqui Property
Project Number: 2181JH195

Client Sample ID: PY-2
Collection Date: 7/10/2001 12:44:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1	8015AZ	7/11/01	7/11/01 16:02	KH	FUELS1_010711A
C10-C22 DRO	<30	30		mg/Kg	1	8015AZ	7/11/01	7/11/01 16:02	KH	FUELS1_010711A
C22-C32 ORO	<100	100		mg/Kg	1	8015AZ	7/11/01	7/11/01 16:02	KH	FUELS1_010711A
C10-C32 SRL	<130	130		mg/Kg	1	8015AZ	7/11/01	7/11/01 16:02	KH	FUELS1_010711A
o-Terphenyl (Surrogate)	73	70-130		%REC	1	8015AZ	7/11/01	7/11/01 16:02	KH	FUELS1_010711A
Arsenic	<5.0	5.0		mg/Kg	1	SW6010B	7/12/01	7/13/01	AD	4338
Barium	99	5.0		mg/Kg	1	SW6010B	7/12/01	7/13/01	AD	4338
Cadmium	<2.5	2.5		mg/Kg	1	SW6010B	7/12/01	7/13/01	AD	4338
Chromium	13	5.0		mg/Kg	1	SW6010B	7/12/01	7/13/01	AD	4338
Lead	8.2	5.0		mg/Kg	1	SW6010B	7/12/01	7/13/01	AD	4338
Selenium	<5.0	5.0		mg/Kg	1	SW6010B	7/12/01	7/13/01	AD	4338
Silver	<5.0	5.0		mg/Kg	1	SW6010B	7/12/01	7/13/01	AD	4338
Mercury	<0.083	0.083		mg/Kg	5	SW7471A	7/11/01	7/11/01	TL	4334

Confidential and Privileged

CLIENT: Western Technologies, Inc.
Work Order: 0108218
Lab ID: 0108218-02
Project Name: Pascua Yaqui Property
Project Number: 2181JH195

Client Sample ID: PY-2
Collection Date: 7/10/2001 12:44:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
2-Chloroethylvinylether	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A

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CLIENT: Western Technologies, Inc.
Work Order: 0108218
Lab ID: 0108218-02
Project Name: Pascua Yaqui Property
Project Number: 2181JH195

Client Sample ID: PY-2
Collection Date: 7/10/2001 12:44:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
4-Bromofluorobenzene (Surrogate)	93	73-120		%REC	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Dibromofluoromethane (Surrogate)	99	72-119		%REC	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
1,2-Dichloroethane-d4 (Surrogate)	102	72-117		%REC	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Toluene-d8 (Surrogate)	103	78-116		%REC	1	SW8260B	7/10/01	7/20/01 00:35	JM	GCMS10_010719A
Aldrin	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
alpha-BHC	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
beta-BHC	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
delta-BHC	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
gamma-BHC	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
Chlordane	<0.017	0.017		mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
4,4'-DDD	<0.0050	0.0050	V1	mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
4,4'-DDE	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
4,4'-DDT	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
Dieldrin	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
Endosulfan I	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
Endosulfan II	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
Endosulfan sulfate	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
Endrin	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
Endrin aldehyde	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
Heptachlor	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
Heptachlor epoxide	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
Methoxychlor	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
Toxaphene	<0.017	0.017		mg/Kg	1	SW8081	7/12/01	7/23/01 15:03	BM	4337
Decachlorobiphenyl (Surrogate)	97	49-141		%REC	1	SW8081	7/12/01	7/23/01 15:03	BM	4337

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TRANSWEST GEOCHEM

Date: 28-Aug-01

License No. AZM133/AZ0133

CLIENT: Western Technologies, Inc.
Work Order: 0108218
Project: Pascua Yaqui Property/2181JH195

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1	8015AZ	7/11/01	7/11/01 12:55	KH	FUELS1_010711A
C10-C22 DRO	<30	30		mg/Kg	1	8015AZ	7/11/01	7/11/01 12:55	KH	FUELS1_010711A
C22-C32 ORO	<100	100		mg/Kg	1	8015AZ	7/11/01	7/11/01 12:55	KH	FUELS1_010711A
C10-C32 SRL	<130	130		mg/Kg	1	8015AZ	7/11/01	7/11/01 12:55	KH	FUELS1_010711A
o-Terphenyl	107	70-130		%REC	1	8015AZ	7/11/01	7/11/01 12:55	KH	FUELS1_010711A
Arsenic	<5.0	5.0		mg/Kg	1	SW6010B	7/12/01	7/13/01	AD	4338
Barium	<5.0	5.0		mg/Kg	1	SW6010B	7/12/01	7/13/01	AD	4338
Cadmium	<2.5	2.5		mg/Kg	1	SW6010B	7/12/01	7/13/01	AD	4338
Chromium	<5.0	5.0		mg/Kg	1	SW6010B	7/12/01	7/13/01	AD	4338
Lead	<5.0	5.0		mg/Kg	1	SW6010B	7/12/01	7/13/01	AD	4338
Selenium	<5.0	5.0		mg/Kg	1	SW6010B	7/12/01	7/13/01	AD	4338
Silver	<5.0	5.0		mg/Kg	1	SW6010B	7/12/01	7/13/01	AD	4338
Mercury	<0.083	0.083		mg/Kg	5	SW7471A	7/11/01	7/11/01	TL	4334

CLIENT: Western Technologies, Inc.
Work Order: 0108218
Project: Pascua Yaqui Property/2181JH195

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
2-Chloroethylvinylether	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Methyl tert-butyl ether	<0.20	0.20		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A

CLIENT: Western Technologies, Inc.
Work Order: 0108218
Project: Pascua Yaqui Property/2181JH195

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Trichlorotrifluoroethane	<0.050	0.050		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
4-Bromofluorobenzene	77	73-120		%REC	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Dibromofluoromethane	96	72-119		%REC	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
1,2-Dichloroethane-d4	98	72-117		%REC	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Toluene-d8	97	78-116		%REC	1	SW8260B	7/10/01	7/19/01 18:47	JM	GCMS10_010719A
Aldrin	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
alpha-BHC	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
beta-BHC	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
delta-BHC	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
gamma-BHC	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
Chlordane	<0.017	0.017		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
4,4'-DDD	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
4,4'-DDE	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
4,4'-DDT	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
Dieldrin	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
Endosulfan I	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
Endosulfan II	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
Endosulfan sulfate	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
Endrin	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
Endrin aldehyde	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
Heptachlor	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
Heptachlor epoxide	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
Methoxychlor	<0.0050	0.0050		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
Toxaphene	<0.017	0.017		mg/Kg	1	SW8081	7/12/01	7/22/01 14:24	BM	4337
Decachlorobiphenyl	89	49-141		%REC	1	SW8081	7/12/01	7/22/01 14:24	BM	4337

TRANSWEST GEOCHEM

Date: 28-Aug-01

License No. AZM133/AZ0133

CLIENT: Western Technologies, Inc.
Work Order: 0108218
Project: Pascua Yaqui Property/2181JH195

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0107068-05AMS**	Batch ID: FUELS1_010711A			Test Code: 8015AZ				Date Analyzed: 7/12/01 14:57			
Client ID:				Units: mg/Kg				Date Prepared: 7/11/01			
C10-C22 DRO	485	30	500	<30	97%	66	120				
o-Terphenyl	10.7	N/A	10.0	N/A	107%	70	130				
Sample ID: **0107068-05AMSD**	Batch ID: FUELS1_010711A			Test Code: 8015AZ				Date Analyzed: 7/12/01 15:44			
Client ID:				Units: mg/Kg				Date Prepared: 7/11/01			
C10-C22 DRO	467	30	500	<30	93%	66	120	485	4%	20	
o-Terphenyl	11.4	N/A	10.0	N/A	114%	70	130				
Sample ID: **0107068-02ASD**	Batch ID: 4338			Test Code: SW6010B				Date Analyzed: 7/13/01			
Client ID:				Units: mg/Kg				Date Prepared: 7/12/01			
Arsenic	50.50	5.0	50.00	<5.0	101%	75	125	49.97	1%	20	
Barium	617.8	5.0	550.0	98.91	94%	75	125	606.8	2%	20	
Cadmium	40.56	2.5	50.00	<2.5	81%	75	125	40.56	0%	20	
Chromium	59.21	5.0	50.00	12.68	93%	75	125	58.43	1%	20	
Lead	56.43	5.0	50.00	8.210	96%	75	125	55.73	1%	20	
Selenium	46.47	5.0	50.00	<5.0	93%	75	125	46.60	0%	20	
Silver	22.52	5.0	25.00	<5.0	90%	75	125	22.44	0%	20	
Sample ID: **0107068-02AS**	Batch ID: 4338			Test Code: SW6010B				Date Analyzed: 7/13/01			
Client ID:				Units: mg/Kg				Date Prepared: 7/12/01			
Arsenic	49.97	5.0	50.00	<5.0	100%	75	125				
Barium	606.8	5.0	550.0	98.91	92%	75	125				
Cadmium	40.56	2.5	50.00	<2.5	81%	75	125				
Chromium	58.43	5.0	50.00	12.68	92%	75	125				
Lead	55.73	5.0	50.00	8.210	95%	75	125				
Selenium	46.60	5.0	50.00	<5.0	93%	75	125				
Silver	22.44	5.0	25.00	<5.0	90%	75	125				
Sample ID: **0108218-02ASD**	Batch ID: 4334			Test Code: SW7471A				Date Analyzed: 7/11/01			
Client ID: **PY-2**				Units: mg/Kg				Date Prepared: 7/11/01			
Mercury	1.072	0.083	1.250	<0.083	86%	78	123	0.9967	7%	20	
Sample ID: **0108218-02AS**	Batch ID: 4334			Test Code: SW7471A				Date Analyzed: 7/11/01			
Client ID: **PY-2**				Units: mg/Kg				Date Prepared: 7/11/01			
Mercury	0.9967	0.083	1.250	<0.083	80%	78	123				

TRANSWEST GEOCHEM

Date: 28-Aug-01

License No. AZM133/AZ0133

CLIENT: Western Technologies, Inc.
Work Order: 0108218
Project: Pascua Yaqui Property/2181JH195

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0107068-05BS**	Batch ID: GCMS10_010719A			Test Code: SW8260B				Date Analyzed: 7/19/01 23:56			
Client ID:				Units: mg/Kg				Date Prepared: 7/10/01			
Benzene	0.9380	0.051	1.010	<0.051	93%	73	111				
Chlorobenzene	0.9208	0.051	1.010	<0.051	91%	79	105				
1,1-Dichloroethene	0.9491	0.10	1.010	<0.10	94%	62	120				
Toluene	0.9435	0.10	1.010	<0.10	93%	74	112				
Trichloroethene	0.9582	0.051	1.010	<0.051	95%	78	110				
4-Bromofluorobenzene	2.390	N/A	2.525	N/A	95%	73	120				
Dibromofluoromethane	2.467	N/A	2.525	N/A	98%	72	119				
1,2-Dichloroethane-d4	2.512	N/A	2.525	N/A	99%	72	117				
Toluene-d8	2.499	N/A	2.525	N/A	99%	78	116				
Sample ID: **0107068-05BSD**	Batch ID: GCMS10_010719A			Test Code: SW8260B				Date Analyzed: 7/20/01 00:35			
Client ID:				Units: mg/Kg				Date Prepared: 7/10/01			
Benzene	0.9305	0.050	1.000	<0.050	93%	73	111	0.9380	1%	20	
Chlorobenzene	0.9300	0.050	1.000	<0.050	93%	79	105	0.9208	1%	20	
1,1-Dichloroethene	0.9030	0.10	1.000	<0.10	90%	62	120	0.9491	5%	20	
Toluene	0.9290	0.10	1.000	<0.10	93%	74	112	0.9435	2%	20	
Trichloroethene	0.9705	0.050	1.000	<0.050	97%	78	110	0.9582	1%	20	
4-Bromofluorobenzene	2.431	N/A	2.500	N/A	97%	73	120				
Dibromofluoromethane	2.458	N/A	2.500	N/A	98%	72	119				
1,2-Dichloroethane-d4	2.507	N/A	2.500	N/A	100%	72	117				
Toluene-d8	2.475	N/A	2.500	N/A	99%	78	116				
Sample ID: **0107028-14A-MS**	Batch ID: 4337			Test Code: SW8081				Date Analyzed: 7/23/01 11:46			
Client ID:				Units: mg/Kg				Date Prepared: 7/12/01			
gamma-BHC	0.02733	0.0050	0.03333	<0.0050	82%	72	108				
4,4'-DDT	0.04433	0.0050	0.03333	0.01800	79%	37	189				
Dieldrin	0.03150	0.0050	0.03333	0.005833	77%	70	135				
Methoxychlor	<0.0050	0.0050	0.03333	<0.0050	0%	76	137				M2
Decachlorobiphenyl	0.03083	N/A	0.03333	N/A	92%	49	141				
Sample ID: **0107028-14A-MS**	Batch ID: 4337			Test Code: SW8081				Date Analyzed: 7/23/01 12:19			
Client ID:				Units: mg/Kg				Date Prepared: 7/12/01			
gamma-BHC	0.02650	0.0050	0.03333	<0.0050	80%	72	108	0.02733	3%	20	
4,4'-DDT	0.04483	0.0050	0.03333	0.01800	80%	37	189	0.04433	1%	20	
Dieldrin	0.03167	0.0050	0.03333	0.005833	78%	70	135	0.03150	1%	20	
Methoxychlor	<0.0050	0.0050	0.03333	<0.0050	0%	76	137	<0.0050	0%	20	M2
Decachlorobiphenyl	0.03050	N/A	0.03333	N/A	92%	49	141				

TRANSWEST GEOCHEM

Date: 28-Aug-01

License No. AZM133/AZ0133

CLIENT: Western Technologies, Inc.
Work Order: 0108218
Project: Pascua Yaqui Property/2181JH195

QC SUMMARY REPORT

Blank Spike (primary source)

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCS SOIL**	Batch ID: FUELS1_010711A			Test Code: 8015AZ				Date Analyzed: 7/11/01 13:41			
				Units: mg/Kg				Date Prepared: 7/11/01			
C10-C22 DRO	478	30	500	<30	96%	70	130				
o-Terphenyl	11.1	N/A	10.0	N/A	111%	70	130				
Sample ID: **LCSD-4338**	Batch ID: 4338			Test Code: SW6010B				Date Analyzed: 7/13/01			
				Units: mg/Kg				Date Prepared: 7/12/01			
Arsenic	48.44	5.0	50.00	<5.0	97%	85	115	48.16	1%	20	
Barium	555.8	5.0	550.0	<5.0	101%	85	115	559.3	1%	20	
Cadmium	46.42	2.5	50.00	<2.5	93%	85	115	46.09	1%	20	
Chromium	51.28	5.0	50.00	<5.0	103%	85	115	50.98	1%	20	
Lead	51.89	5.0	50.00	<5.0	104%	85	115	51.31	1%	20	
Selenium	49.32	5.0	50.00	<5.0	99%	85	115	48.78	1%	20	
Silver	23.10	5.0	25.00	<5.0	92%	85	115	22.98	1%	20	
Sample ID: **LCS-4338**	Batch ID: 4338			Test Code: SW6010B				Date Analyzed: 7/13/01			
				Units: mg/Kg				Date Prepared: 7/12/01			
Arsenic	48.16	5.0	50.00	<5.0	96%	85	115				
Barium	559.3	5.0	550.0	<5.0	102%	85	115				
Cadmium	46.09	2.5	50.00	<2.5	92%	85	115				
Chromium	50.98	5.0	50.00	<5.0	102%	85	115				
Lead	51.31	5.0	50.00	<5.0	103%	85	115				
Selenium	48.78	5.0	50.00	<5.0	98%	85	115				
Silver	22.98	5.0	25.00	<5.0	92%	85	115				
Sample ID: **LCSD-4334**	Batch ID: 4334			Test Code: SW7471A				Date Analyzed: 7/11/01			
				Units: mg/Kg				Date Prepared: 7/11/01			
Mercury	1.083	0.083	1.250	<0.083	87%	72	126	1.301	18%	20	
Sample ID: **LCS-4334**	Batch ID: 4334			Test Code: SW7471A				Date Analyzed: 7/11/01			
				Units: mg/Kg				Date Prepared: 7/11/01			
Mercury	1.301	0.083	1.250	<0.083	104%	72	126				
Sample ID: **LCS-4337**	Batch ID: 4337			Test Code: SW8081				Date Analyzed: 7/22/01 14:57			
				Units: mg/Kg				Date Prepared: 7/12/01			
gamma-BHC	0.02800	0.0050	0.03333	<0.0050	84%	75	104				
4,4'-DDT	0.03300	0.0050	0.03333	<0.0050	99%	89	126				
Dieldrin	0.03250	0.0050	0.03333	<0.0050	98%	87	116				
Methoxychlor	0.03100	0.0050	0.03333	<0.0050	93%	88	125				
Decachlorobiphenyl	0.03417	N/A	0.03333	N/A	103%	49	141				

TRANSWEST GEOCHEM

Date: 28-Aug-01

License No. AZM133/AZ0133

CLIENT: Western Technologies, Inc.
Work Order: 0108218
Project: Pascua Yaqui Property/2181JH195

QC SUMMARY REPORT

Blank Spike (primary source)

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSD-4337**	Batch ID: 4337			Test Code: SW8081				Date Analyzed: 7/22/01 15:30			
				Units: mg/Kg				Date Prepared: 7/12/01			
gamma-BHC	0.02883	0.0050	0.03333	<0.0050	86%	75	104	0.02800	3%	20	
4,4'-DDT	0.03367	0.0050	0.03333	<0.0050	101%	89	126	0.03300	2%	20	
Dieldrin	0.03383	0.0050	0.03333	<0.0050	101%	87	116	0.03250	4%	20	
Methoxychlor	0.03183	0.0050	0.03333	<0.0050	95%	88	125	0.03100	3%	20	
Decachlorobiphenyl	0.03450	N/A	0.03333	N/A	104%	49	141				

TRANSWEST GEOCHEM

Date: 28-Aug-01

License No. AZM133/AZ0133

CLIENT: Western Technologies, Inc.
Work Order: 0108218
Project: Pascua Yaqui Property/2181JH195

QC SUMMARY REPORT

Secondary Source Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSV SOIL 7/10**	Batch ID: GCMS10_010719A			Test Code: SW8260B				Date Analyzed: 7/19/01 19:26			
				Units: mg/Kg				Date Prepared: 7/10/01			
Benzene	0.9230	0.050	1.000	<0.050	92%	76	112				
Chlorobenzene	0.9140	0.050	1.000	<0.050	91%	79	109				
1,1-Dichloroethene	0.8820	0.10	1.000	<0.10	88%	62	120				
Toluene	0.8925	0.10	1.000	<0.10	89%	76	114				
Trichloroethene	0.9425	0.050	1.000	<0.050	94%	77	112				
4-Bromofluorobenzene	1.891	N/A	2.500	N/A	76%	73	120				
Dibromofluoromethane	2.385	N/A	2.500	N/A	95%	72	119				
1,2-Dichloroethane-d4	2.417	N/A	2.500	N/A	97%	72	117				
Toluene-d8	2.403	N/A	2.500	N/A	96%	78	116				
Sample ID: **LCSVD SOIL 7/1**	Batch ID: GCMS10_010719A			Test Code: SW8260B				Date Analyzed: 7/19/01 20:05			
				Units: mg/Kg				Date Prepared: 7/10/01			
Benzene	0.9135	0.050	1.000	<0.050	91%	76	112	0.9230	1%	20	
Chlorobenzene	0.9125	0.050	1.000	<0.050	91%	79	109	0.9140	0%	20	
1,1-Dichloroethene	0.8550	0.10	1.000	<0.10	86%	62	120	0.8820	3%	20	
Toluene	0.8780	0.10	1.000	<0.10	88%	76	114	0.8925	2%	20	
Trichloroethene	0.9415	0.050	1.000	<0.050	94%	77	112	0.9425	0%	20	
4-Bromofluorobenzene	1.906	N/A	2.500	N/A	76%	73	120				
Dibromofluoromethane	2.363	N/A	2.500	N/A	95%	72	119				
1,2-Dichloroethane-d4	2.399	N/A	2.500	N/A	96%	72	117				
Toluene-d8	2.393	N/A	2.500	N/A	96%	78	116				

TRANSWEST GEOCHEM
3725 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 010218

Date 7-10-01 Page 1 of 1

Project Manager:	VICKY L. AVILES
Client Name:	WESTERN TECHNOLOGIES, INC.
Address:	3737 E. Broadway
City, State ZIP:	Phx, Az 85040
Phone:	602/373737X123 Fax: 6024701341

Bill to:	Same As Client
Company:	
Address:	
City, State ZIP:	
Phone:	Fax:

P.O. No.:	
Project Name:	Pascua Yaqui Property
Project Number:	218IJH195

SAMPLE RECEIPT

Temperature:	Ambient / (Cold)	Ice:
Received Intact:	Y	Absent / (Present)
Custody Seals:	N	(Wet) / Blue
Total No. of Containers:	2	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	Comments
PY-2	Soil	7-10-01	1244	2	2		X		X			X			X		MeOH kit

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1	Aaron Stewart	7-10-01 1454		Sky Harden	7/10/01 1454
2					
3					

White copy to TGI, Yellow copy for final report, Pink copy to sampler

Revised : 6/29/00

APPENDIX F:
RECORDS OF COMMUNICATION

WESTERN TECHNOLOGIES INC.

3737 East Broadway Road, Phoenix, AZ 85040
tel: 602.437.3737 fax: 602.470.1341

Record of Communication

Date: 7/30/01	Time: 0857
Project Name: Guadalupe Property	Call From: ☑ Call To: ☐ WT Name: Aaron Stewart
Project Location:	Call From: ☐ Call To: ☑ Contact Name: Paul
Project Number: 2181JH195	Company: Guadalupe Fire Department
Subject/Topic:	Address:
	City/State/Zip:
	Tel. No.: (480) 839-1112

Summary of Communication: Asked if MSDS or any other literature was available regarding the foam material released by Guadalupe FD on the Prop. Paul stated that ~~the~~ the captain has that information, and will return WT's phone call when he arrives later today.

0911 - Albert phoned back and stated that they would fax the information on 7/31/01. "No MSDS's because material is a detergent."

8/1/01 - 0841 - Left message for Chief Parkinson.

8/3/01 - 1348 - Wayne Romanin of Guadalupe FD said they are waiting to receive manufacturers literature on detergent foam material and they will forward the literature to WT when they receive it.

Follow-up Action: Added note: release of foam material did not occur on Site Property. 8/23/01

Signature: [signature]

Page 1 of 2

i:\masters\communication-record

WESTERN TECHNOLOGIES INC.

3737 East Broadway Road, Phoenix, AZ 85040
tel: 602.437.3737 fax: 602.470.1341

Record of Communication

Date: 8/8/01	Time: 1557
Project Name: Guadalupe Project	Call From: ☒ Call To: ☐ WT Name: Aaron Stewart
Project Location: Yaqui Property	Call From: ☐ Call To: ☒ Contact Name: Cynthia Martinez
Project Number: 21811H195	Company: Pascua Yaqui Tribe
Subject/Topic:	Address:
	City/State/Zip: Guadalupe, AZ
	Tel. No.: (480)

Summary of Communication: Ms. Martinez stated that the mounds on the northeast side and east side of the Property may have come from moving dirt for the mobilehomes previously in the center of the Property. These ~~trailers~~ mobilehomes were introduced to the Property in 1997 were occupied and were removed between Aug. & Oct. of 2000. The pipes coming ~~from~~ out of the ground are ~~to~~ sewer lines from former mobile homes and are connected to City sewer line. The mounds on the NW side of the Property are from other companies dumping on the Property. The Pascua Yaqui tribe caught a company dumping ~~early~~ at the beginning of 2001 and warned company to cease ~~the~~ all soil dumping on the Property.

Follow-up Action:

Signature:

Western Technologies Inc.
The Quality People
Since 1959

3737 East Broadway Road
Phoenix, Arizona 85040-2966
(602) 437-3737 • fax 470-1341

June 14, 2001

VIA FACSIMILE TO: 506-6925
Maricopa County Environmental Services

Attn: Milta or Cynthia (tel: 506-6681)

Re: SEPTIC SYSTEM SEARCH REQUEST

Western Technologies Inc. (WT) would like to request your assistance to investigate possible locations of septic systems registered to the following property:

The Property is a 1.8-acre lot located south of Guadalupe Road, East of Avenida Del Yaqui, west of Calle Vauonawi in Guadalupe, Arizona. The legal description of the Property is the southeast 1/4, of the northwest 1/4, of the northwest 1/4 of Section 9, Township 1 South, Range 4 East, of the Gila and Salt River Baseline and Meridian, Maricopa County, Arizona.

Could you please fax the requested information to me at 470-1341. I appreciate your assistance in this matter. Should you have any questions please contact me at 437-3737.

Sincerely,
WESTERN TECHNOLOGIES, INC.

Aaron Stewart, RES
Environmental Scientist

MARICOPA COUNTY ENVIRONMENTAL SERVICES RESPONSE

Records of a septic system were found for the property: Yes ☐ No ☒

Researched By: M. Blair Title: Environmental Spec. Date: 6-21-01

Notes: _____

Western Technologies Inc.
The Quality People
Since 1955

3737 East Broadway Road
Phoenix, Arizona 85040-2966
(602) 437-3737 • fax 470-1341

June 14, 2001

VIA FACSIMILE TO: 506-6925
Maricopa County Environmental Services

Attn: Milta or Cynthia (tel: 506-6681)

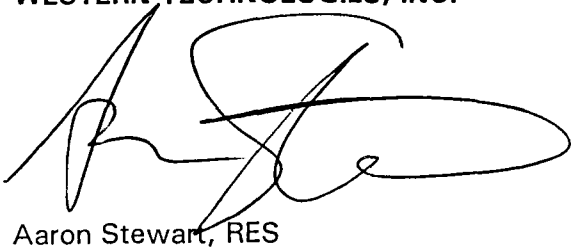
Re: SEPTIC SYSTEM SEARCH REQUEST

Western Technologies Inc. (WT) would like to request your assistance to investigate possible locations of septic systems registered to the following property:

The Property is a 1.8-acre lot located south of Guadalupe Road, East of Avenida Del Yaqui, west of Calle Vauonawi in Guadalupe, Arizona. The legal description of the Property is the southeast 1/4, of the northwest 1/4, of the northwest 1/4 of Section 9, Township 1 South, Range 4 East, of the Gila and Salt River Baseline and Meridian, Maricopa County, Arizona.

Could you please fax the requested information to me at 470-1341. I appreciate your assistance in this matter. Should you have any questions please contact me at 437-3737.

Sincerely,
WESTERN TECHNOLOGIES, INC.



Aaron Stewart, RES
Environmental Scientist

MARICOPA COUNTY ENVIRONMENTAL SERVICES RESPONSE

Records of a septic system were found for the property: Yes ☐ No ☐

Researched By:_____ Title:_____ Date:_____

Notes:_____