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PHASE I ENVIRONMENTAL SITE ASSESSMENT

TEMPE DETENTION BASIN
OXFORD DRIVE AND HIGHLINE CANAL
TEMPE, ARIZONA

JOB NO. 2181JK023

Western Technologies Inc.
The Quality People
Since 1955

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Prepared For:

Flood Control District
of Maricopa County
2801 West Durango Street
Phoenix, Arizona

March 13, 2001

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ARIZONA, U.S.A.

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EXECUTIVE SUMMARY

Western Technologies Inc. conducted a Phase I Environmental Site Assessment (ESA) of the proposed Tempe Detention Basin located at Oxford Drive and the Highline Canal in Tempe, Arizona (the Property). The scope of work implemented for this assessment meets the guidelines established by the American Society for Testing and Materials (ASTM) in ASTM Standard Practice E-1527.

Based on WT's evaluation of the Property, the site is currently a 2-acre vacant land parcel. A power pole and transformer were noted along the north portion of the Property. Numerous soil piles were noted on the east side of the Property. These piles are reportedly a result of dredging sediment from the Highline Canal, which borders the west side of the Property. Representative samples of the sediment piles were obtained and chemically analyzed for TPH, VOCs, Organochlorine pesticides and 8 RCRA metals. The laboratory analysis did not identify impacts to the Property, or the need for special handling of the sediment piles.

Historically, the Property has been owned by SRP since 1929 and operated as a "zanjero site", which was described as a small parcel where an SRP employee lived and monitored a portion of the canal system. SRP removed the residential structure in 1986 and the Property was left as vacant land.

An environmental records review revealed no database listings for the Property. WT found 10 leaking underground storage tank sites within ½ mile from the Property. Seven of the sites are listed as closed and all of the sites are located down- to cross- gradient from 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.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

TEMPE DETENTION BASIN
OXFORD DRIVE AND HIGHLINE CANAL
TEMPE, ARIZONA

JOB NO. 2181JK023

1.0 INTRODUCTION

1.1 Project Authorization

This report presents the results of a Phase I Environmental Site Assessment (ESA) of the proposed Tempe Detention Basin located at Oxford Drive and Highline Canal in Tempe, Arizona (the Property). Western Technologies Inc. (WT) was retained and authorized by Ms. Theresa Hoff of Flood Control District of Maricopa County to perform this ESA in accordance with WT Agreement No. 2181PK066, dated January 22, 2001. 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 WT Agreement No. 2181PK066 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
- interviews, and
- reporting.

WT additionally performed soil sample collection and chemical analysis of soil mounds on the eastern portion of the Property.

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. Frank Dickerson, G.I.T. and was reviewed by Mr. Randolph Marwig. 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. WT interviewed Mr. Matt Streeper, a key site manager with SRP, concerning past and present conditions on the Property.

2.1 Location

The Property is located along the Highline Canal west of Oxford Drive. The Property is located within the northeast ¼ of the southwest ¼ of the northwest ¼, of Section 4, 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 currently contains a triangular-shaped vacant land parcel with no site occupants or structures (Appendix B, Pictures 1-7). A power pole was noted along the northern portion of the Property and soil mounds were noted along the east Property boundary (Appendix B, Picture 8). The perimeter of the Property is enclosed with wire fencing. The main access to the Property is from a graded access road along the east side of the Highline Canal.

2.3 Current Adjoining Property Use and Description

Land uses within the surrounding study area consisted of residential and commercial uses. Single family residential development was seen to the east and south, while commercial uses were noted to the north and west along Baseline Road and Priest Drive. The sites adjoining the Property consist of the following:

North of the Property is a graded road followed by a storage facility and vacant lot.

East of the Property is residential housing.

South of the Property is the Highline Canal and residential housing.

West of the Property is the Highline Canal, followed by commercial and residential lots.

Based on our observation of these adjoining land uses, WT did not see evidence of potential migration from these adjoining sites onto the Property, or from the Property onto these adjoining sites.

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 1220 feet above Mean Sea Level (MSL) and the terrain slopes to the east. Specific topographic features include: South Mountain approximately 1 mile to the west; and the Highline Canal, which adjoins the southwestern side of the Property.

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 60 feet below ground surface. The regional groundwater flow, based on a 50-foot contour interval, is northwesterly.

3.0 PROPERTY RECONNAISSANCE

3.1 Utilities

The utilities servicing the Property are:

- Electric: SRP
- Gas: Southwest Gas
- Water: City of Tempe
- Sanitary Sewer: None Observed
- Solid Waste Disposal: None Observed

3.2 Potential PCB Sources

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

WT observed one pole-mounted transformer belonging to SRP on the Property. This unit was in good condition with no indications of leakage. According to Mr. Vince Martinez of SRP, the transformer does not contain PCBs.

3.3 Above Ground Storage Tanks (ASTs)

No ASTs or surface indications of former ASTs were noted during the site visit. According to Mr. Matt Streeper, ASTs are currently not installed on the Property, and he 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 Mr. Matt Streeper, USTs are currently not installed on the Property, and he 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 Mr. Matt Streeper, hazardous substances and petroleum products are not used on the Property, and he had no actual knowledge of the prior usage of these materials. Mr. Matt Streeper indicated that he 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.

Numerous soil mounds were noted on the eastern portion of the Property. According to Ms. Theresa Hoff with FCDMC, these soil mounds resulted from periodic dredging of the Highline Canal.

According to Mr. Matt Streeper, solid waste has not been buried beneath the Property. He had no actual knowledge, nor had he 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.

A residence had been located at the northwest portion of the Property. Due to the time frame that this home was located on the Property, an associated septic system was likely installed. WT did not observe evidence of a septic system during the site visit. According to Mr. Matt Streeper, SRP does not have records of a septic system on the Property.

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.

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.

According to Mr. Matt Streeper, a well had been located in the vicinity of the power pole on the northwest portion of the Property. Mr. Streeper also indicated that he believed that the well has been capped and is inactive. WT was unable to locate surface indications of the well during the site visit.

ADWR records indicate that this well was 6-inches in diameter and had a depth of 270 feet below ground surface. The reported use for this well was for domestic water supply. The ADWR registration number for this well is 55-617709.

WT did not observe evidence of wells on the Property during the site visit.

4.0 SEDIMENT SAMPLING ACTIVITIES

During the site reconnaissance, representative samples of sediment stockpiles were collected for chemical analysis. These stockpiles reportedly originated from the periodic dredging of the adjoining Highline Canal.

4.1 Sample Locations

Based on field observations, approximately 50 piles of sediment were deposited on the Property. A total of twelve sub-samples were randomly selected from the piles. These sub-samples were later combined by the analytical chemistry laboratory into three composite samples consisting of 4 sub-samples each. Figure 2 in Appendix A depicts the sample locations.

4.2 Sampling Methodology

The sediment samples were collected with pre-cleaned soil sampling scoops. Prior to collecting the samples, any vegetation in the sample areas was removed. At the sample collection point, a hole approximately 6 inches deep and 4 to 5 inches in diameter was dug with the soil scoop. The retrieved soil was transferred into laboratory-provided 4-ounce, wide-mouth glass containers with teflon-lined lids. The sub-samples were identified as Samples SP1 through SP12.

A portion of each soil sample was preserved in the field for volatile organics analysis using a methanol extraction procedure. The field methanol extraction and preservation technique involved the placement of 20 grams of soil into a 40-milliliter glass vial containing 20 milliliters of methanol. The compositing procedure for the methanol extracted aliquot of soil was performed in the field by measuring 5 grams of soil from each of four sub-samples into one vial. After the soil was placed into the vial, the cap was tightly applied. The methanol extraction vials were labeled with identification numbers corresponding to the sub-samples that were used to prepare them. The three composite samples were identified as Samples SP(1-4), SP(5-8), and SP(9-12). All samples were recorded onto a chain-of-custody record and stored in a cooler with ice until delivery to the analytical chemistry laboratory.

4.3 Analytical Chemistry Test Results

The collected samples were submitted to Del Mar Analytical, Inc. of Tempe, Arizona. Del Mar is certified by the Arizona Department of Health Services to conducted the requested testing. Copies of the analytical chemistry results, quality control data, and chain-of-custody record are included in Appendix D.

Del Mar was instructed to composite the 12 sub-samples into 3 composite samples based on their numeric order. The first composite included Sub-samples SP1 through SP4, the second composite included Sub-samples SP5 through SP8, and the third composite included Sub-samples SP9 through SP12. Del Mar was further instructed to chemically analyze the composite samples according to the following procedures:

- BLS-8015AZ-r1 Petroleum Range Hydrocarbons (TPH)

- EPA methods 6000/7000 — Total Concentrations of Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver (RCRA Metals), and

- EPA method 8081A — Organochlorine Pesticides

The methanol extracted field composite samples were chemically analyzed according to the following procedure:

- EPA method 8260 — Volatile Organics by GC/MS

Levels of VOCs and TPH were reported as not detected, less than respective method detection limits.

The organochlorine pesticide 4,4'-DDE was reported at levels of 0.017 milligrams per kilogram (mg/kg), 0.018 mg/kg, and 0.020 mg/kg in Composite Samples SP1–SP4, SP5-SP8 and SP9-SP12, respectively. The reported levels were below the Arizona Residential Soil Remediation Level (r-SRL) for 4,4'-DDE of 13 mg/kg. These levels are also consistent with ambient residual levels attributed to the historic agricultural activity conducted in the Salt River Valley. All other analyzed organochlorine pesticides were reported as not detected, less than respective method reporting limits.

The following table summarizes the analytical chemistry test results for the 8 RCRA Metals:

Analyte	*SP1-SP4 (mg/kg)*	*SP5-SP8 (mg/kg)*	*SP9-SP12 (mg/kg)*	*ADEQ r-SRL (mg/kg)*
Arsenic	*ND*	*ND*	*ND*	*10*
Barium	*88*	*85*	*89*	*5300*
Cadmium	*ND*	*ND*	*ND*	*38*
Chromium	*16*	*14*	*16*	*2100*
Lead	*24*	*94*	*8.9*	*400*
Mercury	*ND*	*ND*	*0.021*	*6.7*
Selenium	*ND*	*ND*	*ND*	*380*
Silver	*ND*	*ND*	*ND*	*380*

ND = Not Detected Above Laboratory Method Reporting Limits

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

Barium was reported at levels ranging from 85 to 89 mg/kg in the three composite samples. The reported levels of Barium are below the r-SRL for Barium of 5,300 mg/kg, and are consistent with typically expected background levels in soil.

Chromium was reported at levels of 14 mg/kg in Composite SP5-SP8, to 16 mg/kg in Composites SP1-SP4 and SP9-SP12. The reported levels are below the r-SRL for Chromium of 2,100 mg/kg, and they are consistent with typically expected background values in soil.

Lead was reported at levels of 8.9 mg/kg in Composite SP9-SP12, 24 mg/kg in Composite SP1-SP4, and 94 mg/kg in Composite SP5-SP8. The reported levels are below the r-SRL for Lead of 400 mg/kg. The results for Composites SP1-SP4 and SP9-SP12 appear to show a trend above typically expected background levels, but no further assessment or special handling appears to be warranted since these levels are below the r-SRL.

Mercury was reported at 0.021 mg/kg in Composite SP9-SP12. The reported level is below the r-SRL for mercury of 6.7 mg/kg. Mercury in the other composite samples was reported as not detected, less than the method reporting limit.

5.0 HISTORIC SITE INFORMATION

Historic conditions of the Property were identified through interviews and a review of various standard historical information sources including city directories, topographic maps and atlases, and aerial photographs.

5.1 Interviews

Per WT's conversation with Mr. Matt Streeper, the Property has been owned by SRP since March 25, 1929. The Property was reconfigured to its present shape in 1932. Mr. Streeper indicated that the Property was used as a zanjero site. A zanjero site is typically a 2-acre parcel where an employee of SRP lived and monitored an area of the canal system. The site has only been used for residential purposes

According to Mr. Streeper, 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.

5.2 Aerial Photography

Aerial photographs from Rupp Aerial Photography were reviewed to evaluate past uses and relevant characteristics of the Property and adjoining properties. The earliest available photograph was dated March 9, 1949.

- March 9, 1949 Scale: 1″=1676′
  One residential structure is depicted on the northwest corner of the Property. A shed is noted at the east end of the house. The east portion of the Property appears to be an agricultural field. A dirt road along the Calle Cerritos alignment provides access to

the Property from the north. North of the Property is a dirt road, followed by agricultural land and an orchard. South of the Property is the Highline Canal followed by residential homes. East of the Property is a residence and agricultural land. West of the Property is the Highline Canal, followed by vacant lots and Priest Drive.

- January 26, 1954 Scale: 1″=1676′
  This photograph shows no significant changes to the Property when compared to the 1949 photograph. The residence off the northeast corner of the Property is no longer seen.

- December 30, 1957 Scale: 1″=1760′
  The agricultural fields on the east portion of the Property appear to be fallow.

- January 24, 1964 Scale: 1″=1576′
  This photograph shows no significant changes to the Property or surrounding areas when compared to the 1957 photograph.

- January 19, 1970 Scale: 1″=1600′
  This photograph shows no significant changes to the Property when compared to the 1964 photograph. The Interstate 10 freeway has been constructed west of the Property. Commercial businesses are noted west of the Highline Canal along Priest Drive.

- December 15, 1977 Scale: 1″=2640′
  This photograph shows no significant changes to the Property when compared to the 1970 photograph. North of the Property is vacant land and an orchard north of the northeast portion of the Property.

- January 20, 1979 Scale: 1″=2640′
  The east portion of the Property is depicted as vacant land. East of the Property, the land is graded and vacant. A few orchard trees are still remaining north of the Property.

- December 15, 1980 Scale: 1″=2640′
  This photograph shows no significant changes to the Property when compared to the 1979 photograph. North of the Property is vacant land followed, by commercial sites. East of the Property is residential housing.

- January 4, 1984 Scale: 1″=2640′
  This photograph shows no significant changes to the Property when compared to the 1980 photograph. A storage facility is noted north of the northwest portion of the Property.

- December 8, 1985 Scale: 1″=2640′
  This photograph shows no significant changes to the Property or surrounding areas when compared to the 1984 photograph.

- December 11, 1986 Scale: 1″=2640′
  The Property appears to be graded and vacant. The house and shed are no longer shown on the Property. West of the Property is the Highline Canal followed by commercial sites.

- November 18, 1987 Scale: 1″=2640′
  This photograph shows no significant changes to the Property or surrounding areas when compared to the 1986 photograph.

- February 15, 1994 Scale: 1″=2640′
  This photograph shows no significant changes to the Property or surrounding areas when compared to the 1987 photograph.

- January 19, 1996 Scale: 1″=2640′
  This photograph shows no significant changes to the Property or surrounding areas when compared to the 1994 photograph.

- June 22, 1998 Scale: 1″=2100′
  Soil piles are evident on the east portion of the Property.

- June 24, 2000 Scale: 1″=2100′
  This photograph shows no significant changes to the Property or surrounding areas when compared to the 1998 photograph.

5.3 Topographic Maps

The Guadalupe Quadrangle topographic map from the United States Geological Survey (USGS) dated 1952 and photorevised in 1982 (Scale: 1" = 2000') depicts a residence on the northwest corner of the Property. North of the east portion of the Property is an orchard. West of the Property is the Highline Canal, followed by residential housing in the town of Guadalupe.

The 1958 and 1989 Maricopa County Atlas shows no significant features on the Property or surrounding areas.

5.4 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 that received telephone services are listed in the City Directories.

According to the City of Tempe Engineering Department the current address of the Property is 5510 South Beck Avenue.

WT reviewed City Directories 5-year increments from 1999 to 1950, the earliest city directory available for the City of Tempe. WT did not find listings for the referenced address in the reviewed volumes of city directories.

6.0 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 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 E.

6.1 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 August 24, 2000. 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.*

6.2 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 December 28, 2000. 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.*

6.3 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.*

6.4 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 June 22, 2000. 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.*

6.5 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 June 22, 2000. 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.*

6.6 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 June 22, 2000. 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.*

6.7 Facility Index System (FINDS)

FINDS lists references to other sources that contain more detail. The release date for this information is December 28, 2000. The minimum search distance is the Property.

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

6.8 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.*

6.9 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 June 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.*

6.10 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.*

6.11 Leaking UST (LUST) List

The ADEQ maintains a database of USTs that have been reported as leaking. The release date for this information is January 3, 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:*

MAP ID	FACILITY	LOCATION	NOTIFICATION DATE	STATUS
1	Mobil #18-593	1435 W. Baseline Rd.	6-18-91	Closed (4-26-99)
2	Chevron Gulf Sta.	SW Corner of Baseline Rd. & Priest Dr.	2-20-97	Undefined or Unknown Soil Contamination
3	Crossroads Property	NE Corner of Baseline Rd. & I-10	8-21-89	Closed (3-1-90)
4	Guadalupe Auto Repair	8222 S. Avenida Del Yaqui	9-14-99	Potential Case Closure
5	R Hernandez Trucking Inc.	8027 Avenida Del Yaqui	7-16-96	Closed (4-28-97)
6	Savco #6	1701 W. Baseline Rd.	4-22-91 12-19-91	Closed (3-9-94) Closed (3-9-94)
7	Texaco #60-349-0040	1619 W. Baseline Rd. @ I-10	7-2-91 12-4-00	Closed (7-28-99) Undefined or Unknown Soil Contamination
8	Western Machinery Co.	1415 W. Baseline Rd.	10-21-96	Closed (4-2-97)

6.12 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.*

6.13 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.*

6.14 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 found no dry wells registered to the Property.*

6.15 Septic Systems

The Environmental Services Department of Maricopa County was contacted regarding septic systems for the Property. This written request was made on February 7, 2001.

- *At the time of this report, WT has not received information regarding septic systems on the Property. When WT receives this information, it will be issued as an addendum to this report.*

6.16 Fire Department

The Tempe Fire Department was contacted regarding UST and AST records, flammable contents permits, hazardous materials incidents, investigation reports and code violations for the Property. This written request was made on February 7, 2001.

- *The Tempe Fire Department does not have records pertaining to the Property.*

7.0 FINDINGS AND CONCLUSIONS

7.1 Assessment Findings

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

Current Site Conditions

- The Property is a triangular-shaped 2-acre vacant land parcel with no current occupants or structures.

- One electrical transformer belonging to SRP was observed to be in good condition with no visual signs of damage or leakage. SRP has indicated that the transformer is considered to be PCB-free.

- No evidence of uses of ASTs or USTs were found on the Property.

- Sediment piles were placed on the Property from the dredging of the adjoining Highline Canal. A limited assessment of these sediment piles showed a trace level of the organochlorine pesticide 4,4'-DDE, and detectable levels of the four total metals, Barium, Chromium, Lead, and Mercury. No detected levels exceeded the respective r-SRLs. Therefore, further assessment and special handling are not warranted at this time.

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

- Due to the age of the residential home that had been on the Property, an associated septic system is suspected. Records of the septic system location or records for removal were not found.

- According to SRP, a groundwater well was located on the Property. The location of the power pole marks the general location of the well. The well has reportedly been capped and is inactive. ADWR records indicate that the well was 6-inches in diameter and had a depth of 270 feet below ground level. WT recommends that if this well is to be abandoned, it should be accomplished according to ADWR guidelines.

Adjacent Land Use

- Land uses adjoining the Property consisted of residential development to the east and south, and commercial development to the north and west. Potential migration pathways or impacts to the Property from the observed adjoining land uses were not evident.

Historic Site Conditions

- The Property has been owned and operated by SRP since 1929, and it was developed as a residence for use by SRP employees as a Zanjero site. The residential improvements were removed by SRP in 1986. The Property has remained vacant since that time.

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, TSDFs, ACIDS, 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 10 leaking USTs within the one-half mile minimum search distance. Seven of these sites have been categorized as "closed" by ADEQ, meaning they have been remediated to ADEQ's satisfaction. All of these leaking USTs are located down- to cross-gradient from the Property. Based on the distance and direction of these sites from the Property, WT concludes that these leaking UST sites are not expected to impact the Property.

7.2 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 Tempe Detention Basin, located at Oxford Drive and Highline Canal, Tempe, Arizona. Any exceptions to or deletions from ASTM Practice E1527 are described in Section 7.0 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 report format is different and has been adapted to local standards.

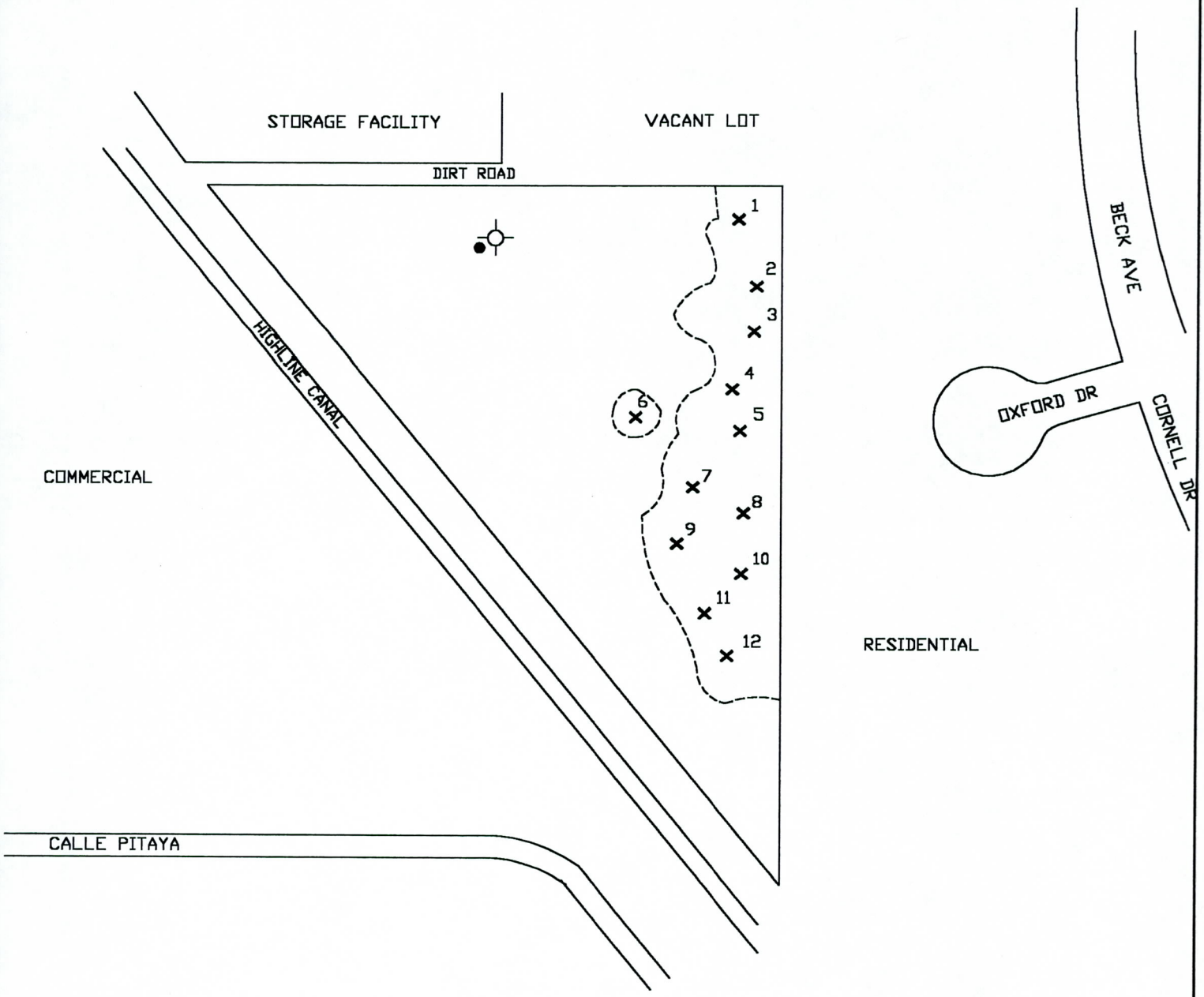
9.0 REFERENCES

- The ASTM, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E-1527, dated 1997.
- Cole's City Directories dated: 1999, 1995, 1990, 1985, 1980, 1975, 1970, 1965, 1960, 1955, 1950
- ADWR, Report No. 27, dated 1995.

A

APPENDIX A:
VICINITY MAP AND SITE PLAN

Figure 2 – Site Map
Tempe Detention Basin
Phase I Environmental Assessment



LEGEND:

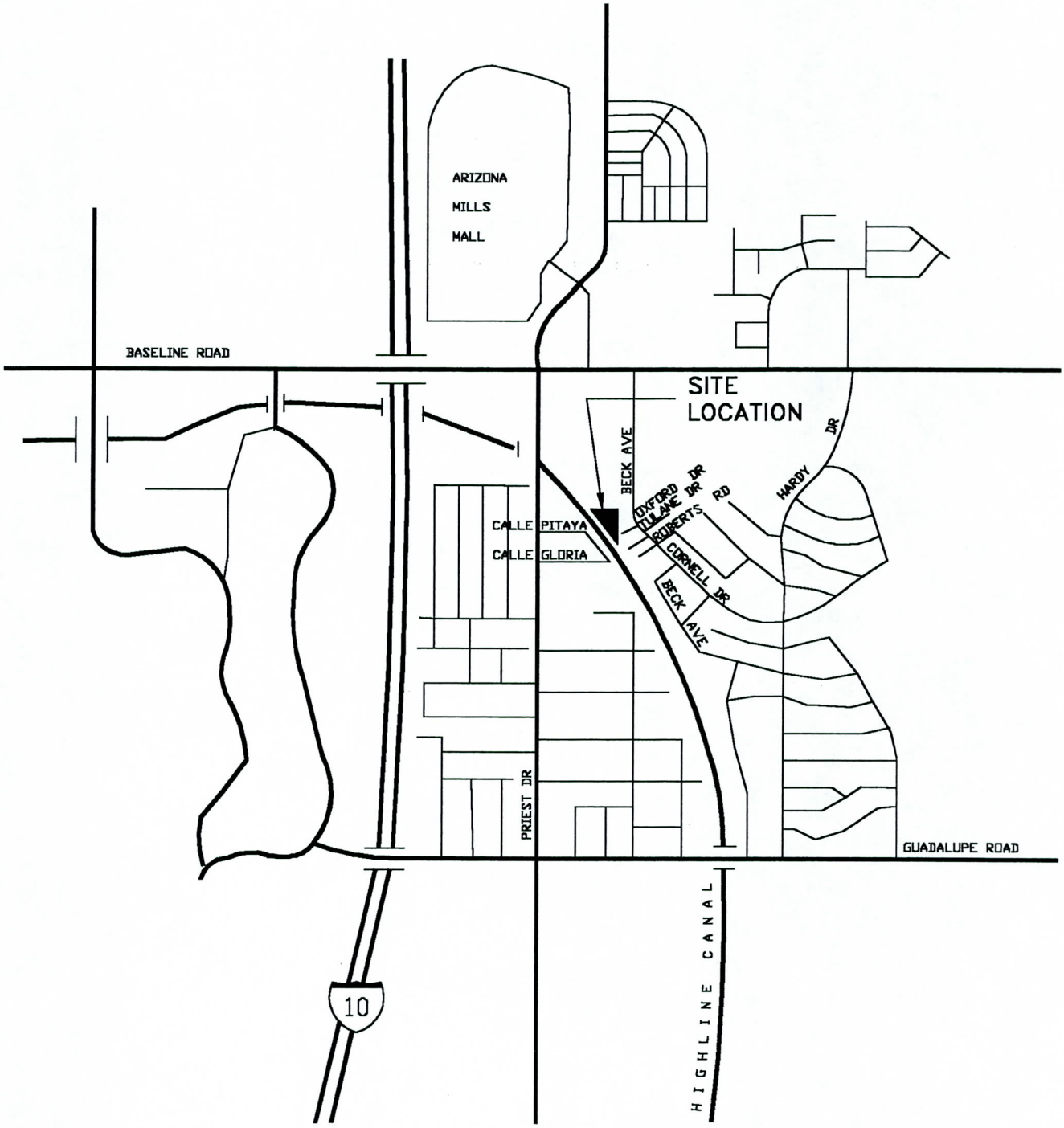
- EXTENT OF SOIL PILES
- × APPROXIMATE LOCATION OF SOIL SAMPLE
- POLE MOUNTED TRANSFORMER
- POWER POLE

N

1" = 100'

Reviewed: Frank Dickerson	Review Date: 02/16/01
Client: FCDMC	Prepared: M DUMSER
Western Technologies Inc.	
Job No.: 2181JK023	Figure: 2

Figure 1 – Vicinity Map
Tempe Detention Basin
Phase I Environmental Assessment



N NOT TO SCALE	Reviewed: Frank Dickerson	Review Date: 02/16/01
	Client: FCDMC	Prepared: M DUMSER
	Western Technologies Inc.	
	Job No.: 2181JK023	Figure: 1

B

APPENDIX B:
SITE PHOTOGRAPHIC LOG

Picture No. 1 - At the northwest corner of the Property looking east.

Picture No. 2 - Looking southeast across the Property.

Picture No. 3 - Looking south along the west Property boundary.

Picture No. 4 - At the northeast corner of the Property looking west.

Picture No. 5 - At the northeast corner of the Property looking south.

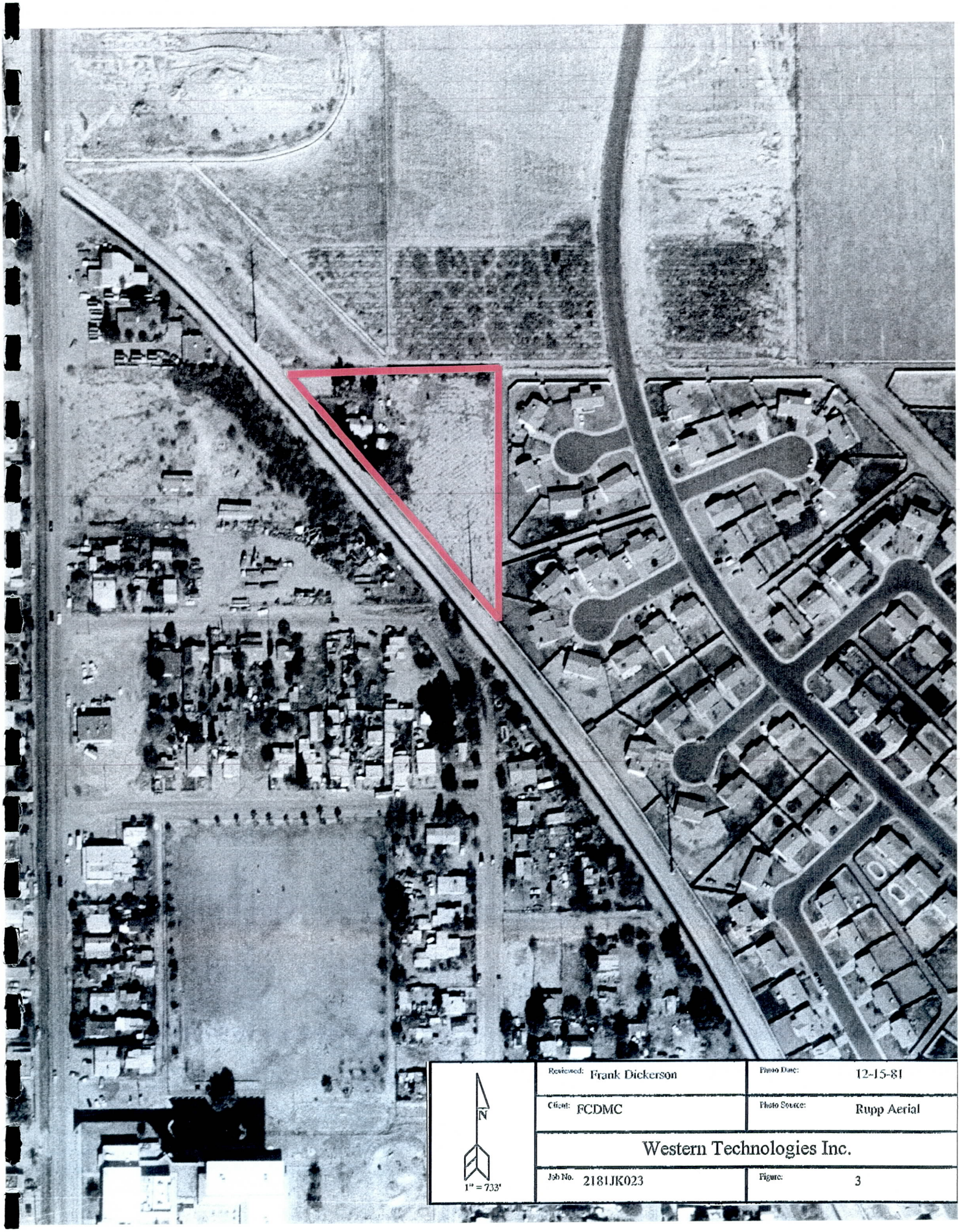
Picture No. 6 - Looking north along the east Property boundary.

Picture No. 7 - Looking north along the east Property boundary.

Picture No. 8 - Soil piles along the east portion of the Property.

C

APPENDIX C:
AERIAL PHOTOGRAPH



Reviewed:	Frank Dickerson	Photo Date:	12-15-81
Client:	FCDMC	Photo Source:	Rupp Aerial
Western Technologies Inc.			
Job No.	2181JK023	Figure:	3

D

APPENDIX D:
CHEMISTRY ANALYTICAL RESULTS

Del Mar Analytical

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Western Technologies, Inc. - Phoenix 3737 E. Broadway Rd. Phoenix, AZ 85040 Attention: David Regonini	Client Project ID: 90030086 Report Number: PKB0163	Sampled: 02/09/01 Received: 02/09/01 Issued: 02/23/01

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX
PKB0163-01	SP-1,SP-2,SP-3,SP-4	Soil
PKB0163-02	SP-5,SP-6,SP-7,SP-8	Soil
PKB0163-03	SP-9,SP-10,SP-11,SP-12	Soil
PKB0163-04	SP (1-4)	Soil
PKB0163-05	SP (5-8)	Soil
PKB0163-06	SP (9-12)	Soil
PKB0163-07	TRIP BLANK	Soil

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

OBSERVATIONS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

QA/QC CRITERIA: All analyses met method criteria.

EXPLANATION OF DATA QUALIFIERS: No further explanation of data qualifiers needed.

DEL MAR ANALYTICAL , PHOENIX (AZ0426)

Nicole Beck

Nicole Beck For Julie M. Slocum
Project Manager

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Western Technologies, Inc. - Phoenix
3737 E. Broadway Rd.
Phoenix, AZ 85040
Attention: David Regonini

Client Project ID: 90030086

Report Number: PKB0163

Sampled: 02/09/01
Received: 02/09/01

CASE NARRATIVE

GC CALIBRATION CHECK CRITERIA
ORGANOCHLORINE PESTICIDES BY GC (EPA 3550/8081A)

Per Method 8000B of SW-846, the percent recovery of the calibration checks for GC analyses must be within ± 15% from the true value for each individual compound or the average % recovery of all compounds in the calibration check solution must be within ± 15% recovery. Per Method 8000B, the end user is to be notified if the latter situation occurs.

The % recovery for the following individual compounds fell outside the ± 15% criteria, however the average % recovery of all compounds in the calibration check solution was within ± 15%, thus meeting the overall calibration check criteria.

Compound	Footnote	Calibration Check % Recovery	Lab Number	Batch
Dieldrin	1	117	PKB0163-03	P1B1311
4,4'-DDE	1	117	PKB0163-03	P1B1311
Dieldrin	1	117	PKB0163-02	P1B1311
4,4'-DDE	1	117	PKB0163-02	P1B1311
Dieldrin	1	117	PKB0163-01	P1B1311
4,4'-DDE	1	117	PKB0163-01	P1B1311
4,4'-DDD	1	122	PKB0163-03	P1B1311
4,4'-DDD	1	122	PKB0163-02	P1B1311
4,4'-DDD	1	122	PKB0163-01	P1B1311
Endosulfan II	1	129	PKB0163-03	P1B1311
Endosulfan II	1	129	PKB0163-02	P1B1311
Endosulfan II	1	129	PKB0163-01	P1B1311

Footnotes:

1 The calibration demonstrated a high bias for this compound. Samples were flagged to indicate a possible high bias in the result for this compound.

2 The calibration demonstrated a low bias for this compound. Samples were flagged to indicate a possible low bias in the result for this compound.

Nicole Beck For Julie M. Slocum
Project Manager

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Attention: David Regonini

Client Project ID: 90030086

Report Number: PKB0163

Sampled: 02/09/01
Received: 02/09/01

EXTRACTABLE FUEL HYDROCARBONS (ADHS 8015AZR1)

Analyte	Method	Batch	Reporting Limit mg/kg	Sample Result mg/kg	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PKB0163-01 (SP-1,SP-2,SP-3,SP-4 - Soil)								
DRO (C10-C22)	ADHS 8015AZR1	P1B1411	30	ND	1	2/14/01	2/16/01	
ORO (C22-C32)	ADHS 8015AZR1	P1B1411	100	ND	1	2/14/01	2/16/01	
Total (C10-C32)	ADHS 8015AZR1	P1B1411	130	ND	1	2/14/01	2/16/01	
Surrogate: n-Docosane (70-130%)				*97.0 %*				
Sample ID: PKB0163-02 (SP-5,SP-6,SP-7,SP-8 - Soil)								
DRO (C10-C22)	ADHS 8015AZR1	P1B1411	30	ND	1	2/14/01	2/16/01	
ORO (C22-C32)	ADHS 8015AZR1	P1B1411	100	ND	1	2/14/01	2/16/01	
Total (C10-C32)	ADHS 8015AZR1	P1B1411	130	ND	1	2/14/01	2/16/01	
Surrogate: n-Docosane (70-130%)				*94.5 %*				
Sample ID: PKB0163-03 (SP-9,SP-10,SP-11,SP-12 - Soil)								
DRO (C10-C22)	ADHS 8015AZR1	P1B1411	30	ND	1	2/14/01	2/16/01	
ORO (C22-C32)	ADHS 8015AZR1	P1B1411	100	ND	1	2/14/01	2/16/01	
Total (C10-C32)	ADHS 8015AZR1	P1B1411	130	ND	1	2/14/01	2/16/01	
Surrogate: n-Docosane (70-130%)				*108 %*				

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Nicole Beck For Julie M. Slocum
Project Manager

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Western Technologies, Inc. - Phoenix
3737 E. Broadway Rd.
Phoenix, AZ 85040
Attention: David Regonini

Client Project ID: 90030086

Report Number: PKB0163

Sampled: 02/09/01
Received: 02/09/01

VOLATILE ORGANICS BY GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit ug/kg	Sample Result ug/kg	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PKB0163-04 (SP (1-4) - Soil)								
Acetone	EPA 8260B	P1B1608	1000	ND	1	2/9/01	2/16/01	
Benzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Bromobenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Bromochloromethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Bromodichloromethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Bromoform	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Bromomethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
2-Butanone (MEK)	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
n-Butylbenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
sec-Butylbenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
tert-Butylbenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Carbon Disulfide	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Carbon tetrachloride	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Chlorobenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Chloroethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Chloroform	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Chloromethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
2-Chlorotoluene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
4-Chlorotoluene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Dibromochloromethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2-Dibromo-3-chloropropane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,2-Dibromoethane (EDB)	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Dibromomethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2-Dichlorobenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,3-Dichlorobenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,4-Dichlorobenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Dichlorodifluoromethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,1-Dichloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2-Dichloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,1-Dichloroethene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
cis-1,2-Dichloroethene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
trans-1,2-Dichloroethene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2-Dichloropropane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,3-Dichloropropane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
2,2-Dichloropropane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,1-Dichloropropene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
cis-1,3-Dichloropropene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
trans-1,3-Dichloropropene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Ethylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Hexachlorobutadiene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
2-Hexanone	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
Iodomethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Isopropylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
4-Isopropyltoluene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	

Nicole Beck For Julie M. Slocum
Project Manager

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Western Technologies, Inc. - Phoenix
3737 E. Broadway Rd.
Phoenix, AZ 85040
Attention: David Regonini

Client Project ID: 90030086

Report Number: PKB0163

Sampled: 02/09/01
Received: 02/09/01

VOLATILE ORGANICS BY GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit ug/kg	Sample Result ug/kg	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PKB0163-04 (SP (1-4) - Soil)								
Methylene chloride	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Naphthalene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
n-Propylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Styrene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Tetrachloroethene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Toluene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2,3-Trichlorobenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,2,4-Trichlorobenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,1,1-Trichloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,1,2-Trichloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Trichloroethene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Trichlorofluoromethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,2,3-Trichloropropane	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
1,2,4-Trimethylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,3,5-Trimethylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Vinyl acetate	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Vinyl chloride	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Xylenes, Total	EPA 8260B	P1B1608	300	ND	1	2/9/01	2/16/01	
Surrogate: Dibromofluoromethane (70-125%)				*103 %*				
Surrogate: Toluene-d8 (50-135%)				*107 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*108 %*				

The reporting limit for this sample was adjusted by a factor of 0.917 to account for the applicable preparation factor.

Nicole Beck For Julie M. Slocum
Project Manager

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Western Technologies, Inc. - Phoenix
3737 E. Broadway Rd.
Phoenix, AZ 85040
Attention: David Regonini

Client Project ID: 90030086

Report Number: PKB0163

Sampled: 02/09/01
Received: 02/09/01

VOLATILE ORGANICS BY GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit ug/kg	Sample Result ug/kg	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PKB0163-05 (SP (5-8) - Soil)								
Acetone	EPA 8260B	P1B1608	1000	ND	1	2/9/01	2/16/01	
Benzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Bromobenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Bromochloromethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Bromodichloromethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Bromoform	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Bromomethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
2-Butanone (MEK)	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
n-Butylbenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
sec-Butylbenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
tert-Butylbenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Carbon Disulfide	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Carbon tetrachloride	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Chlorobenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Chloroethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Chloroform	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Chloromethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
2-Chlorotoluene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
4-Chlorotoluene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Dibromochloromethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2-Dibromo-3-chloropropane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,2-Dibromoethane (EDB)	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Dibromomethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2-Dichlorobenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,3-Dichlorobenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,4-Dichlorobenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Dichlorodifluoromethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,1-Dichloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2-Dichloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,1-Dichloroethene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
cis-1,2-Dichloroethene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
trans-1,2-Dichloroethene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2-Dichloropropane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,3-Dichloropropane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
2,2-Dichloropropane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,1-Dichloropropene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
cis-1,3-Dichloropropene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
trans-1,3-Dichloropropene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Ethylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Hexachlorobutadiene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
2-Hexanone	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
Iodomethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Isopropylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
p-Isopropyltoluene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	

Nicole Beck For Julie M. Slocum
Project Manager

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Western Technologies, Inc. - Phoenix
3737 E. Broadway Rd.
Phoenix, AZ 85040
Attention: David Regonini

Client Project ID: 90030086

Report Number: PKB0163

Sampled: 02/09/01
Received: 02/09/01

VOLATILE ORGANICS BY GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit ug/kg	Sample Result ug/kg	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PKB0163-05 (SP (5-8) - Soil)								
Methylene chloride	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Naphthalene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
n-Propylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Styrene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Tetrachloroethene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Toluene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2,3-Trichlorobenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,2,4-Trichlorobenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,1,1-Trichloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,1,2-Trichloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Trichloroethene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Trichlorofluoromethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,2,3-Trichloropropane	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
1,2,4-Trimethylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,3,5-Trimethylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Vinyl acetate	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Vinyl chloride	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Xylenes, Total	EPA 8260B	P1B1608	300	ND	1	2/9/01	2/16/01	
Surrogate: Dibromofluoromethane (70-125%)				*102 %*				
Surrogate: Toluene-d8 (50-135%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*107 %*				

Nicole Beck For Julie M. Slocum
Project Manager

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Western Technologies, Inc. - Phoenix
3737 E. Broadway Rd.
Phoenix, AZ 85040
Attention: David Regonini

Client Project ID: 90030086

Report Number: PKB0163

Sampled: 02/09/01
Received: 02/09/01

VOLATILE ORGANICS BY GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit ug/kg	Sample Result ug/kg	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PKB0163-06 (SP (9-12) - Soil)								
Acetone	EPA 8260B	P1B1608	1000	ND	1	2/9/01	2/16/01	
Benzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Bromobenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Bromochloromethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Bromodichloromethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Bromoform	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Bromomethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
2-Butanone (MEK)	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
n-Butylbenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
sec-Butylbenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
tert-Butylbenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Carbon Disulfide	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Carbon tetrachloride	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Chlorobenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Chloroethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Chloroform	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Chloromethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
2-Chlorotoluene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
4-Chlorotoluene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Dibromochloromethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2-Dibromo-3-chloropropane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,2-Dibromoethane (EDB)	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Dibromomethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2-Dichlorobenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,3-Dichlorobenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,4-Dichlorobenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Dichlorodifluoromethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,1-Dichloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2-Dichloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,1-Dichloroethene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
cis-1,2-Dichloroethene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
trans-1,2-Dichloroethene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2-Dichloropropane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,3-Dichloropropane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
2,2-Dichloropropane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,1-Dichloropropene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
cis-1,3-Dichloropropene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
trans-1,3-Dichloropropene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Ethylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Hexachlorobutadiene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
2-Hexanone	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
Iodomethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Isopropylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
4-Isopropyltoluene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	

Nicole Beck For Julie M. Slocum
Project Manager

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Western Technologies, Inc. - Phoenix
3737 E. Broadway Rd.
Phoenix, AZ 85040
Attention: David Regonini

Client Project ID: 90030086

Report Number: PKB0163

Sampled: 02/09/01
Received: 02/09/01

VOLATILE ORGANICS BY GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit ug/kg	Sample Result ug/kg	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PKB0163-06 (SP (9-12) - Soil)								
Methylene chloride	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Naphthalene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
n-Propylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Styrene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Tetrachloroethene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Toluene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2,3-Trichlorobenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,2,4-Trichlorobenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,1,1-Trichloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,1,2-Trichloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Trichloroethene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Trichlorofluoromethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,2,3-Trichloropropane	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
1,2,4-Trimethylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,3,5-Trimethylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Vinyl acetate	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Vinyl chloride	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Xylenes, Total	EPA 8260B	P1B1608	300	ND	1	2/9/01	2/16/01	
Surrogate: Dibromofluoromethane (70-125%)				*101 %*				
Surrogate: Toluene-d8 (50-135%)				*109 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*106 %*				

The reporting limit for this sample was adjusted by a factor of 0.971 to account for the applicable preparation factor.

Nicole Beck For Julie M. Slocum
Project Manager

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Western Technologies, Inc. - Phoenix
3737 E. Broadway Rd.
Phoenix, AZ 85040
Attention: David Regonini

Client Project ID: 90030086

Report Number: PKB0163

Sampled: 02/09/01
Received: 02/09/01

VOLATILE ORGANICS BY GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit ug/kg	Sample Result ug/kg	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PKB0163-07 (TRIP BLANK - Soil)								
Acetone	EPA 8260B	P1B1608	1000	ND	1	2/9/01	2/16/01	
Benzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Bromobenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Bromochloromethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Bromodichloromethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Bromoform	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Bromomethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
2-Butanone (MEK)	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
n-Butylbenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
sec-Butylbenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
tert-Butylbenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Carbon Disulfide	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Carbon tetrachloride	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Chlorobenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Chloroethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Chloroform	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Chloromethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
2-Chlorotoluene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
4-Chlorotoluene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Dibromochloromethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2-Dibromo-3-chloropropane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,2-Dibromoethane (EDB)	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Dibromomethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2-Dichlorobenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,3-Dichlorobenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,4-Dichlorobenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Dichlorodifluoromethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,1-Dichloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2-Dichloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,1-Dichloroethene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
cis-1,2-Dichloroethene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
trans-1,2-Dichloroethene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2-Dichloropropane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,3-Dichloropropane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
2,2-Dichloropropane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,1-Dichloropropene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
cis-1,3-Dichloropropene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
trans-1,3-Dichloropropene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Ethylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Hexachlorobutadiene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
2-Hexanone	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
Iodomethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Isopropylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
4-Isopropyltoluene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	

Nicole Beck For Julie M. Slocum
Project Manager

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Western Technologies, Inc. - Phoenix
3737 E. Broadway Rd.
Phoenix, AZ 85040
Attention: David Regonini

Client Project ID: 90030086

Report Number: PKB0163

Sampled: 02/09/01
Received: 02/09/01

VOLATILE ORGANICS BY GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit ug/kg	Sample Result ug/kg	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PKB0163-07 (TRIP BLANK - Soil)								
Methylene chloride	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Naphthalene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
n-Propylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Styrene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Tetrachloroethene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Toluene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,2,3-Trichlorobenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,2,4-Trichlorobenzene	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,1,1-Trichloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,1,2-Trichloroethane	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Trichloroethene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Trichlorofluoromethane	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
1,2,3-Trichloropropane	EPA 8260B	P1B1608	500	ND	1	2/9/01	2/16/01	
1,2,4-Trimethylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
1,3,5-Trimethylbenzene	EPA 8260B	P1B1608	100	ND	1	2/9/01	2/16/01	
Vinyl acetate	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Vinyl chloride	EPA 8260B	P1B1608	250	ND	1	2/9/01	2/16/01	
Xylenes, Total	EPA 8260B	P1B1608	300	ND	1	2/9/01	2/16/01	
Surrogate: Dibromofluoromethane (70-125%)				*103 %*				
Surrogate: Toluene-d8 (50-135%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*106 %*				

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Nicole Beck For Julie M. Slocum
Project Manager

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Western Technologies, Inc. - Phoenix
3737 E. Broadway Rd.
Phoenix, AZ 85040
Attention: David Regonini

Client Project ID: 90030086

Report Number: PKB0163

Sampled: 02/09/01
Received: 02/09/01

ORGANOCHLORINE PESTICIDES BY GC (EPA 3550/8081A)

Analyte	Method	Batch	Reporting Limit ug/kg	Sample Result ug/kg	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PKB0163-01 (SP-1,SP-2,SP-3,SP-4 - Soil)								
Aldrin	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
alpha-BHC	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
beta-BHC	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
delta-BHC	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
gamma-BHC (Lindane)	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Chlordane	EPA 3550C/8081A	P1B1311	20	ND	1	2/13/01	2/20/01	
4,4'-DDD	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	V3
4,4'-DDE	EPA 3550C/8081A	P1B1311	5.0	**18**	1	2/13/01	2/20/01	V3
4,4'-DDT	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Dieldrin	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	V3
Endosulfan I	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Endosulfan II	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	V3
Endosulfan sulfate	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Endrin	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Endrin aldehyde	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Heptachlor	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Heptachlor epoxide	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Methoxychlor	EPA 3550C/8081A	P1B1311	20	ND	1	2/13/01	2/20/01	
Toxaphene	EPA 3550C/8081A	P1B1311	200	ND	1	2/13/01	2/20/01	
Surrogate: Tetrachloro-m-xylene (40-100%)				*86.2 %*				
Surrogate: decachlorobiphenyl (40-130%)				*120 %*				
Sample ID: PKB0163-02 (SP-5,SP-6,SP-7,SP-8 - Soil)								
Aldrin	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
alpha-BHC	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
beta-BHC	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
delta-BHC	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
gamma-BHC (Lindane)	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Chlordane	EPA 3550C/8081A	P1B1311	20	ND	1	2/13/01	2/20/01	
4,4'-DDD	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	V3
4,4'-DDE	EPA 3550C/8081A	P1B1311	5.0	**17**	1	2/13/01	2/20/01	V3
4,4'-DDT	EPA 3550C/8081A	P1B1311	5.2	ND	1	2/13/01	2/20/01	
Dieldrin	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	V3
Endosulfan I	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Endosulfan II	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	V3
Endosulfan sulfate	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Endrin	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Endrin aldehyde	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Heptachlor	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Heptachlor epoxide	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Methoxychlor	EPA 3550C/8081A	P1B1311	20	ND	1	2/13/01	2/20/01	
Toxaphene	EPA 3550C/8081A	P1B1311	200	ND	1	2/13/01	2/20/01	
Surrogate: Tetrachloro-m-xylene (40-100%)				*78.7 %*				
Surrogate: decachlorobiphenyl (40-130%)				*119 %*				

Nicole Beck For Julie M. Slocum
Project Manager

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Western Technologies, Inc. - Phoenix
3737 E. Broadway Rd.
Phoenix, AZ 85040
Attention: David Regonini

Client Project ID: 90030086

Report Number: PKB0163

Sampled: 02/09/01
Received: 02/09/01

ORGANOCHLORINE PESTICIDES BY GC (EPA 3550/8081A)

Analyte	Method	Batch	Reporting Limit ug/kg	Sample Result ug/kg	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PKB0163-03 (SP-9,SP-10,SP-11,SP-12 - Soil)								
Aldrin	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
alpha-BHC	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
beta-BHC	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
delta-BHC	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
gamma-BHC (Lindane)	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Chlordane	EPA 3550C/8081A	P1B1311	20	ND	1	2/13/01	2/20/01	
4,4'-DDD	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	V3
4,4'-DDE	EPA 3550C/8081A	P1B1311	5.0	**20**	1	2/13/01	2/20/01	V3
4,4'-DDT	EPA 3550C/8081A	P1B1311	6.0	ND	1	2/13/01	2/20/01	
Dieldrin	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	V3
Endosulfan I	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Endosulfan II	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	V3
Endosulfan sulfate	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Endrin	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Endrin aldehyde	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Heptachlor	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Heptachlor epoxide	EPA 3550C/8081A	P1B1311	5.0	ND	1	2/13/01	2/20/01	
Methoxychlor	EPA 3550C/8081A	P1B1311	20	ND	1	2/13/01	2/20/01	
Toxaphene	EPA 3550C/8081A	P1B1311	200	ND	1	2/13/01	2/20/01	
Surrogate: Tetrachloro-m-xylene (40-100%)				*81.4 %*				
Surrogate: decachlorobiphenyl (40-130%)				*95.8 %*				

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Nicole Beck For Julie M. Slocum
Project Manager

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Western Technologies, Inc. - Phoenix
3737 E. Broadway Rd.
Phoenix, AZ 85040
Attention: David Regonini

Client Project ID: 90030086

Report Number: PKB0163

Sampled: 02/09/01
Received: 02/09/01

TOTAL METALS

Analyte	Method	Batch	Reporting Limit mg/kg	Sample Result mg/kg	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PKB0163-01 (SP-1,SP-2,SP-3,SP-4 - Soil)								
Arsenic	EPA 6010B	P1B1407	5.0	ND	1	2/14/01	2/15/01	
Barium	EPA 6010B	P1B1407	1.0	**88**	1	2/14/01	2/14/01	
Cadmium	EPA 6010B	P1B1407	0.50	ND	1	2/14/01	2/14/01	
Chromium	EPA 6010B	P1B1407	1.0	**16**	1	2/14/01	2/14/01	
Lead	EPA 6010B	P1B1407	5.0	**24**	1	2/14/01	2/14/01	M2
Mercury	EPA 7471A	P1B1526	0.020	ND	1	2/15/01	2/15/01	
Selenium	EPA 6010B	P1B1407	5.0	ND	1	2/14/01	2/14/01	
Silver	EPA 6010B	P1B1407	0.50	ND	1	2/14/01	2/14/01	
Sample ID: PKB0163-02 (SP-5,SP-6,SP-7,SP-8 - Soil)								
Arsenic	EPA 6010B	P1B1407	5.0	ND	1	2/14/01	2/15/01	
Barium	EPA 6010B	P1B1407	1.0	**85**	1	2/14/01	2/14/01	
Cadmium	EPA 6010B	P1B1407	0.50	ND	1	2/14/01	2/14/01	
Chromium	EPA 6010B	P1B1407	1.0	**14**	1	2/14/01	2/14/01	
Lead	EPA 6010B	P1B1407	5.0	**94**	1	2/14/01	2/14/01	
Mercury	EPA 7471A	P1B1526	0.020	ND	1	2/15/01	2/15/01	
Selenium	EPA 6010B	P1B1407	5.0	ND	1	2/14/01	2/14/01	
Silver	EPA 6010B	P1B1407	0.50	ND	1	2/14/01	2/14/01	
Sample ID: PKB0163-03 (SP-9,SP-10,SP-11,SP-12 - Soil)								
Arsenic	EPA 6010B	P1B1407	5.0	ND	1	2/14/01	2/15/01	
Barium	EPA 6010B	P1B1407	1.0	**89**	1	2/14/01	2/14/01	
Cadmium	EPA 6010B	P1B1407	0.50	ND	1	2/14/01	2/14/01	
Chromium	EPA 6010B	P1B1407	1.0	**16**	1	2/14/01	2/14/01	
Lead	EPA 6010B	P1B1407	5.0	**8.9**	1	2/14/01	2/14/01	
Mercury	EPA 7471A	P1B1526	0.020	**0.021**	1	2/15/01	2/15/01	
Selenium	EPA 6010B	P1B1407	5.0	ND	1	2/14/01	2/14/01	
Silver	EPA 6010B	P1B1407	0.50	ND	1	2/14/01	2/14/01	

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Nicole Beck For Julie M. Slocum
Project Manager

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Western Technologies, Inc. - Phoenix
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Attention: David Regonini

Client Project ID: 90030086

Report Number: PKB0163

Sampled: 02/09/01
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METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (ADHS 8015AZR1)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P1B1411 Extracted: 02/14/01										
Blank Analyzed: 02/16/01 (P1B1411-BLK1)										
DRO (C10-C22)	ND	30	mg/kg							
ORO (C22-C32)	ND	100	mg/kg							
Total (C10-C32)	ND	130	mg/kg							
Surrogate: n-Docosane	*94.0*		*mg/kg*	*100*		*94.0*	*70-130*			
LCS Analyzed: 02/16/01 (P1B1411-BS1)										
DRO (C10-C22)	**295**	30	mg/kg	250		118	70-130			
ORO (C22-C32)	**290**	100	mg/kg	250		116	70-130			
Surrogate: n-Docosane	*109*		*mg/kg*	*100*		*109*	*70-130*			
Matrix Spike Analyzed: 02/16/01 (P1B1411-MS1)					**Source: PKB0163-01**					
DRO (C10-C22)	**276**	30	mg/kg	250	ND	110	70-130			
ORO (C22-C32)	**284**	100	mg/kg	250	ND	114	70-130			
Surrogate: n-Docosane	*99.3*		*mg/kg*	*100*		*99.3*	*70-130*			
Matrix Spike Dup Analyzed: 02/16/01 (P1B1411-MSD1)					**Source: PKB0163-01**					
DRO (C10-C22)	**268**	30	mg/kg	250	ND	107	70-130	2.94	20	
ORO (C22-C32)	**279**	100	mg/kg	250	ND	112	70-130	1.78	20	
Surrogate: n-Docosane	*97.9*		*mg/kg*	*100*		*97.9*	*70-130*			

Nicole Beck For Julie M. Slocum
Project Manager

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VOLATILE ORGANICS BY GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P1B1608 Extracted: 02/16/01										
Blank Analyzed: 02/16/01 (P1B1608-BLK1)										
Acetone	ND	1000	ug/kg							
Benzene	ND	100	ug/kg							
Bromobenzene	ND	250	ug/kg							
Bromochloromethane	ND	250	ug/kg							
Bromodichloromethane	ND	100	ug/kg							
Bromoform	ND	250	ug/kg							
Bromomethane	ND	250	ug/kg							
2-Butanone (MEK)	ND	500	ug/kg							
n-Butylbenzene	ND	250	ug/kg							
sec-Butylbenzene	ND	250	ug/kg							
tert-Butylbenzene	ND	250	ug/kg							
Carbon Disulfide	ND	250	ug/kg							
Carbon tetrachloride	ND	250	ug/kg							
Chlorobenzene	ND	100	ug/kg							
Chloroethane	ND	250	ug/kg							
Chloroform	ND	100	ug/kg							
Chloromethane	ND	250	ug/kg							
2-Chlorotoluene	ND	250	ug/kg							
4-Chlorotoluene	ND	250	ug/kg							
Dibromochloromethane	ND	100	ug/kg							
1,2-Dibromo-3-chloropropane	ND	250	ug/kg							
1,2-Dibromoethane (EDB)	ND	100	ug/kg							
Dibromomethane	ND	100	ug/kg							
1,2-Dichlorobenzene	ND	100	ug/kg							
1,3-Dichlorobenzene	ND	100	ug/kg							
1,4-Dichlorobenzene	ND	100	ug/kg							
Dichlorodifluoromethane	ND	250	ug/kg							
1,1-Dichloroethane	ND	100	ug/kg							
1,2-Dichloroethane	ND	100	ug/kg							
1,1-Dichloroethene	ND	250	ug/kg							

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Report Number: PKB0163

Sampled: 02/09/01
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P1B1608 Extracted: 02/16/01										
Blank Analyzed: 02/16/01 (P1B1608-BLK1)										
cis-1,2-Dichloroethene	ND	100	ug/kg							
trans-1,2-Dichloroethene	ND	100	ug/kg							
1,2-Dichloropropane	ND	100	ug/kg							
1,3-Dichloropropane	ND	100	ug/kg							
2,2-Dichloropropane	ND	100	ug/kg							
1,1-Dichloropropene	ND	100	ug/kg							
cis-1,3-Dichloropropene	ND	100	ug/kg							
trans-1,3-Dichloropropene	ND	100	ug/kg							
Ethylbenzene	ND	100	ug/kg							
Hexachlorobutadiene	ND	250	ug/kg							
2-Hexanone	ND	500	ug/kg							
Iodomethane	ND	100	ug/kg							
Isopropylbenzene	ND	100	ug/kg							
p-Isopropyltoluene	ND	100	ug/kg							
Methylene chloride	ND	500	ug/kg							
4-Methyl-2-pentanone (MIBK)	ND	500	ug/kg							
Methyl-tert-butyl Ether (MTBE)	ND	250	ug/kg							
Naphthalene	ND	250	ug/kg							
n-Propylbenzene	ND	100	ug/kg							
Styrene	ND	100	ug/kg							
1,1,1,2-Tetrachloroethane	ND	250	ug/kg							
1,1,2,2-Tetrachloroethane	ND	100	ug/kg							
Tetrachloroethene	ND	100	ug/kg							
Toluene	ND	100	ug/kg							
1,2,3-Trichlorobenzene	ND	250	ug/kg							
1,2,4-Trichlorobenzene	ND	250	ug/kg							
1,1,1-Trichloroethane	ND	100	ug/kg							
1,1,2-Trichloroethane	ND	100	ug/kg							
Trichloroethene	ND	100	ug/kg							
Trichlorofluoromethane	ND	250	ug/kg							

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Project Manager

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VOLATILE ORGANICS BY GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P1B1608 Extracted: 02/16/01										
Blank Analyzed: 02/16/01 (P1B1608-BLK1)										
1,2,3-Trichloropropane	ND	500	ug/kg							
1,2,4-Trimethylbenzene	ND	100	ug/kg							
1,3,5-Trimethylbenzene	ND	100	ug/kg							
Vinyl acetate	ND	250	ug/kg							
Vinyl chloride	ND	250	ug/kg							
Xylenes, Total	ND	300	ug/kg							
Surrogate: Dibromofluoromethane	*1370*		*ug/kg*	*1250*		*110*	*70-125*			
Surrogate: Toluene-d8	*1290*		*ug/kg*	*1250*		*103*	*50-135*			
Surrogate: 4-Bromofluorobenzene	*1390*		*ug/kg*	*1250*		*111*	*70-130*			
LCS Analyzed: 02/16/01 (P1B1608-BS1)										
Benzene	**474**	100	ug/kg	500		94.8	75-120			
Chlorobenzene	**467**	100	ug/kg	500		93.4	75-125			
1,1-Dichloroethene	**492**	250	ug/kg	500		98.4	70-120			
Toluene	**462**	100	ug/kg	500		92.4	80-125			
Trichloroethene	**481**	100	ug/kg	500		96.2	70-120			
Surrogate: Dibromofluoromethane	*1360*		*ug/kg*	*1250*		*109*	*70-125*			
Surrogate: Toluene-d8	*1290*		*ug/kg*	*1250*		*103*	*50-135*			
Surrogate: 4-Bromofluorobenzene	*1370*		*ug/kg*	*1250*		*110*	*70-130*			
Matrix Spike Analyzed: 02/16/01 (P1B1608-MS1)					**Source: PKB0267-01**					
Benzene	**407**	100	ug/kg	500	ND	81.4	65-125			
Chlorobenzene	**440**	100	ug/kg	500	ND	88.0	75-130			
1,1-Dichloroethene	**354**	250	ug/kg	500	ND	70.8	50-130			
Toluene	**450**	100	ug/kg	500	ND	90.0	75-130			
Trichloroethene	**410**	100	ug/kg	500	ND	82.0	70-120			
Surrogate: Dibromofluoromethane	*1410*		*ug/kg*	*1250*		*113*	*70-125*			
Surrogate: Toluene-d8	*1470*		*ug/kg*	*1250*		*118*	*50-135*			
Surrogate: 4-Bromofluorobenzene	*1510*		*ug/kg*	*1250*		*121*	*70-130*			

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VOLATILE ORGANICS BY GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P1B1608 Extracted: 02/16/01										
Matrix Spike Dup Analyzed: 02/16/01 (P1B1608-MSD1)					**Source: PKB0267-01**					
Benzene	**500**	100	ug/kg	500	ND	100	65-125	20.5	35	
Chlorobenzene	**529**	100	ug/kg	500	ND	106	75-130	18.4	35	
1,1-Dichloroethene	**426**	250	ug/kg	500	ND	85.2	50-130	18.5	35	
Toluene	**536**	100	ug/kg	500	ND	107	75-130	17.4	35	
Trichloroethene	**510**	100	ug/kg	500	ND	102	70-120	21.7	35	
Surrogate: Dibromofluoromethane	*1320*		*ug/kg*	*1250*		*106*	*70-125*			
Surrogate: Toluene-d8	*1320*		*ug/kg*	*1250*		*106*	*50-135*			
Surrogate: 4-Bromofluorobenzene	*1410*		*ug/kg*	*1250*		*113*	*70-130*			

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METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES BY GC (EPA 3550/8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P1B1311 Extracted: 02/13/01										
Blank Analyzed: 02/19/01 (P1B1311-BLK1)										
Aldrin	ND	5.0	ug/kg							
alpha-BHC	ND	5.0	ug/kg							
beta-BHC	ND	5.0	ug/kg							
delta-BHC	ND	5.0	ug/kg							
gamma-BHC (Lindane)	ND	5.0	ug/kg							
Chlordane	ND	20	ug/kg							
4,4'-DDD	ND	5.0	ug/kg							
4,4'-DDE	ND	5.0	ug/kg							
4,4'-DDT	ND	5.0	ug/kg							
Dieldrin	ND	5.0	ug/kg							
Endosulfan I	ND	5.0	ug/kg							
Endosulfan II	ND	5.0	ug/kg							
Endosulfan sulfate	ND	5.0	ug/kg							
Endrin	ND	5.0	ug/kg							
Endrin aldehyde	ND	5.0	ug/kg							
Heptachlor	ND	5.0	ug/kg							
Heptachlor epoxide	ND	5.0	ug/kg							
Methoxychlor	ND	20	ug/kg							
Toxaphene	ND	200	ug/kg							
Surrogate: Tetrachloro-m-xylene	*25.6*		*ug/kg*	*33.3*		*76.9*	*40-100*			
Surrogate: decachlorobiphenyl	*35.7*		*ug/kg*	*33.3*		*107*	*40-130*			
LCS Analyzed: 02/19/01 (P1B1311-BS1)										
Aldrin	**29.6**	5.0	ug/kg	33.3		88.9	42-122			
alpha-BHC	**29.4**	5.0	ug/kg	33.3		88.3	37-134			
beta-BHC	**29.1**	5.0	ug/kg	33.3		87.4	17-147			
delta-BHC	**32.1**	5.0	ug/kg	33.3		96.4	19-140			
gamma-BHC (Lindane)	**30.3**	5.0	ug/kg	33.3		91.0	32-127			
4,4'-DDD	**32.4**	5.0	ug/kg	33.3		97.3	31-141			
4,4'-DDE	**32.7**	5.0	ug/kg	33.3		98.2	30-145			
4,4'-DDT	**31.0**	5.0	ug/kg	33.3		93.1	25-160			

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ORGANOCHLORINE PESTICIDES BY GC (EPA 3550/8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P1B1311 Extracted: 02/13/01										
LCS Analyzed: 02/19/01 (P1B1311-BS1)										
Dieldrin	**32.0**	5.0	ug/kg	33.3		96.1	36-146			
Endosulfan I	**28.2**	5.0	ug/kg	33.3		84.7	45-153			
Endosulfan II	**30.3**	5.0	ug/kg	33.3		91.0	0.01-202			
Endosulfan sulfate	**35.5**	5.0	ug/kg	33.3		107	26-144			
Endrin	**30.6**	5.0	ug/kg	33.3		91.9	30-147			
Heptachlor	**29.9**	5.0	ug/kg	33.3		89.8	34-111			
Heptachlor epoxide	**30.6**	5.0	ug/kg	33.3		91.9	37-142			
Surrogate: Tetrachloro-m-xylene	*26.3*		*ug/kg*	*33.3*		*79.0*	*40-100*			
Surrogate: decachlorobiphenyl	*35.1*		*ug/kg*	*33.3*		*105*	*40-130*			
LCS Analyzed: 02/19/01 (P1B1311-BS2)										
Toxaphene	**1570**	200	ug/kg	1670		94.0	41-126			
Matrix Spike Analyzed: 02/19/01 (P1B1311-MS1)					**Source: PKB0163-01**					
Aldrin	**26.0**	5.0	ug/kg	33.3	ND	78.1	42-122			
alpha-BHC	**25.0**	5.0	ug/kg	33.3	ND	75.1	37-134			
beta-BHC	**26.3**	5.0	ug/kg	33.3	ND	79.0	17-147			
delta-BHC	**29.8**	5.0	ug/kg	33.3	ND	89.5	19-140			
gamma-BHC (Lindane)	**26.6**	5.0	ug/kg	33.3	ND	79.9	32-127			
4,4'-DDD	**32.7**	5.0	ug/kg	33.3	ND	98.2	31-141			
4,4'-DDE	**38.6**	5.0	ug/kg	33.3	18	61.9	30-145			
4,4'-DDT	**32.0**	5.0	ug/kg	33.3	ND	85.0	25-160			
Dieldrin	**32.4**	5.0	ug/kg	33.3	ND	97.3	36-146			
Endosulfan I	**28.0**	5.0	ug/kg	33.3	ND	84.1	45-153			
Endosulfan II	**32.6**	5.0	ug/kg	33.3	ND	97.9	0.01-202			
Endosulfan sulfate	**33.0**	5.0	ug/kg	33.3	ND	99.1	26-144			
Endrin	**31.2**	5.0	ug/kg	33.3	ND	93.7	30-147			
Heptachlor	**26.1**	5.0	ug/kg	33.3	ND	78.4	34-111			
Heptachlor epoxide	**30.1**	5.0	ug/kg	33.3	ND	90.4	37-142			
Surrogate: Tetrachloro-m-xylene	*21.8*		*ug/kg*	*33.3*		*65.5*	*40-100*			
Surrogate: decachlorobiphenyl	*29.9*		*ug/kg*	*33.3*		*89.8*	*40-130*			

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METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES BY GC (EPA 3550/8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P1B1311 Extracted: 02/13/01										
Matrix Spike Dup Analyzed: 02/19/01 (P1B1311-MSD1)					**Source: PKB0163-01**					
Aldrin	**27.2**	5.0	ug/kg	33.3	ND	81.7	42-122	4.51	30	
alpha-BHC	**26.7**	5.0	ug/kg	33.3	ND	80.2	37-134	6.58	30	
beta-BHC	**26.7**	5.0	ug/kg	33.3	ND	80.2	17-147	1.51	30	
delta-BHC	**28.9**	5.0	ug/kg	33.3	ND	86.8	19-140	3.07	30	
gamma-BHC (Lindane)	**27.7**	5.0	ug/kg	33.3	ND	83.2	32-127	4.05	30	
4,4'-DDD	**33.2**	5.0	ug/kg	33.3	ND	99.7	31-141	1.52	30	
4,4'-DDE	**49.5**	5.0	ug/kg	33.3	18	94.6	30-145	24.7	30	
4,4'-DDT	**32.0**	5.0	ug/kg	33.3	ND	85.0	25-160	0	30	
Dieldrin	**33.7**	5.0	ug/kg	33.3	ND	101	36-146	3.93	30	
Endosulfan I	**28.9**	5.0	ug/kg	33.3	ND	86.8	45-153	3.16	30	
Endosulfan II	**33.2**	5.0	ug/kg	33.3	ND	99.7	0.01-202	1.82	30	
Endosulfan sulfate	**32.5**	5.0	ug/kg	33.3	ND	97.6	26-144	1.53	30	
Endrin	**33.0**	5.0	ug/kg	33.3	ND	99.1	30-147	5.61	30	
Heptachlor	**28.0**	5.0	ug/kg	33.3	ND	84.1	34-111	7.02	30	
Heptachlor epoxide	**30.8**	5.0	ug/kg	33.3	ND	92.5	37-142	2.30	30	
Surrogate: Tetrachloro-m-xylene	*24.6*		*ug/kg*	*33.3*		*73.9*	*40-100*			
Surrogate: decachlorobiphenyl	*35.1*		*ug/kg*	*33.3*		*105*	*40-130*			

Nicole Beck For Julie M. Slocum
Project Manager

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Western Technologies, Inc. - Phoenix
3737 E. Broadway Rd.
Phoenix, AZ 85040
Attention: David Regonini

Client Project ID: 90030086

Report Number: PKB0163

Sampled: 02/09/01
Received: 02/09/01

METHOD BLANK/QC DATA

TOTAL METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P1B1407 Extracted: 02/14/01										
Blank Analyzed: 02/15/01 (P1B1407-BLK1)										
Arsenic	ND	5.0	mg/kg							
Barium	ND	1.0	mg/kg							
Cadmium	ND	0.50	mg/kg							
Chromium	ND	1.0	mg/kg							
Lead	ND	5.0	mg/kg							
Selenium	ND	5.0	mg/kg							
Silver	ND	0.50	mg/kg							
LCS Analyzed: 02/15/01 (P1B1407-BS1)										
Arsenic	**95.6**	5.0	mg/kg	100		95.6	80-120			
Barium	**92.9**	1.0	mg/kg	100		92.9	80-120			
Cadmium	**91.6**	0.50	mg/kg	100		91.6	80-120			
Chromium	**93.0**	1.0	mg/kg	100		93.0	80-120			
Lead	**89.6**	5.0	mg/kg	100		89.6	80-120			
Selenium	**86.7**	5.0	mg/kg	100		86.7	80-120			
Silver	**96.9**	0.50	mg/kg	100		96.9	80-120			
Matrix Spike Analyzed: 02/15/01 (P1B1407-MS1)					**Source: PKB0163-01**					
Arsenic	**95.2**	5.0	mg/kg	100	ND	90.7	75-125			
Barium	**180**	1.0	mg/kg	100	88	92.0	75-125			
Cadmium	**85.6**	0.50	mg/kg	100	ND	85.3	75-125			
Chromium	**108**	1.0	mg/kg	100	16	92.0	75-125			
Lead	**93.9**	5.0	mg/kg	100	24	69.9	75-125			M2
Selenium	**84.8**	5.0	mg/kg	100	ND	84.8	75-125			
Silver	**97.0**	0.50	mg/kg	100	ND	97.0	75-125			
Matrix Spike Dup Analyzed: 02/15/01 (P1B1407-MSD1)					**Source: PKB0163-01**					
Arsenic	**96.5**	5.0	mg/kg	100	ND	92.0	75-125	1.36	20	
Barium	**188**	1.0	mg/kg	100	88	100	75-125	4.35	20	
Cadmium	**86.5**	0.50	mg/kg	100	ND	86.2	75-125	1.05	20	
Chromium	**108**	1.0	mg/kg	100	16	92.0	75-125	0	20	
Lead	**95.0**	5.0	mg/kg	100	24	71.0	75-125	1.16	20	M2
Selenium	**86.2**	5.0	mg/kg	100	ND	86.2	75-125	1.64	20	
Silver	**97.6**	0.50	mg/kg	100	ND	97.6	75-125	0.617	20	

Nicole Beck For Julie M. Slocum
Project Manager

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Western Technologies, Inc. - Phoenix
3737 E. Broadway Rd.
Phoenix, AZ 85040
Attention: David Regonini

Client Project ID: 90030086

Report Number: PKB0163

Sampled: 02/09/01
Received: 02/09/01

METHOD BLANK/QC DATA

TOTAL METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P1B1526 Extracted: 02/15/01										
Blank Analyzed: 02/15/01 (P1B1526-BLK1)										
Mercury	ND	0.020	mg/kg							
LCS Analyzed: 02/15/01 (P1B1526-BS1)										
Mercury	**0.329**	0.020	mg/kg	0.333		98.8	85-115			
Matrix Spike Analyzed: 02/15/01 (P1B1526-MS1)					**Source: PKB0163-01**					
Mercury	**0.338**	0.020	mg/kg	0.333	ND	98.2	85-115			
Matrix Spike Dup Analyzed: 02/15/01 (P1B1526-MSD1)					**Source: PKB0163-01**					
Mercury	**0.339**	0.020	mg/kg	0.333	ND	98.5	85-115	0.295	20	

Nicole Beck For Julie M. Slocum
Project Manager

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Western Technologies, Inc. - Phoenix 3737 E. Broadway Rd. Phoenix, AZ 85040 Attention: David Regonini	Client Project ID: 90030086 Report Number: PKB0163	Sampled: 02/09/01 Received: 02/09/01

METHOD BLANK/QC DATA

DATA QUALIFIERS AND DEFINITIONS

M2 Matrix spike recovery was low, the method control sample recovery was acceptable.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not reported.

RPD Relative Percent Difference

Nicole Beck For Julie M. Slocum
Project Manager

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CHAIN OF CUSTODY FORM

Client Name/Address: Maricopa County Flood Control

Project/PO Number: 90030096

Project Manager: Larry Gardner

Phone Number: 602 437 3737

Sampler: F. Dickerson

Fax Number: 602 470 1341

Analysis Required: TPH 8015-AZ rr; Total CPA 6010/7000 & RCRA Metals; Organochlorine Pesticides EPA 8081A; VOCs EPA 8260

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Special Instructions
SP-1	Soil	glass jar	1	2-9-01	1043	ICE	
SP-2					1059		* composite PKB0163-01
SP-3					1045		
SP-4					1048		
SP-5					1051		
SP-6					1053		* composite -02
SP-7					1102		
SP-8					1105		
SP-9					1110		
SP-10					1112		* composite -03
SP-11					1114		
SP-12					1116		
SP (1-4)					1230		-04
SP (5-8)					1240		-05

Relinquished By:	Date /Time:	Received by:	Date /Time:
Frank Dickerson	2-9-01 / 1345		
Relinquished By:	Date /Time:	Received by:	Date /Time: CLD
Relinquished By:	Date /Time: 2/9/01	Received in Lab by: Carmen Jr. Diaz	Date /Time: 1345 2/9/01

Turnaround Time: (Check)
same day _____ 72 hours _____
24 hours _____ 5 days _____
48 hours _____ normal ✓

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

Del Mar Analytical
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CHAIN OF CUSTODY FORM

Page _____ of _____

Client Name/Address: Maricopa County Flood Control Dist.

Project/PO Number: 90030086

Project Manager: L. Greaves

Phone Number: 602 457 3737

Sampler: F. Dickerson

Fax Number: 602 470 1341

Analysis Required: VOCs EPA 8260

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Special Instructions
SP (9-12)					1250		PKB0163-06
Trip Blank							PKB0163-01 V-07
							-02
							-03
							-04
							-05

Relinquished By:	Date /Time:	Received by:	Date /Time:
Frank Dickerson	2-9-01 / 1345		
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time: 2/9/01	Received in Lab by:	Date /Time: 2/9/01 1345

Turnaround Time: (Check)
same day _____ 72 hours _____
24 hours _____ 5 days _____
48 hours _____ normal ✓

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

E

APPENDIX E:
ENVIRONMENTAL FIRSTSEARCH REPORT

TRACK ➤ INFO SERVICES, LLC

Environmental FirstSearch™ Report

TARGET PROPERTY:

CP DETENTION BASIN

TEMPE AZ 85283

Job Number: 2181JK023

PREPARED FOR:

Western Technologies Inc.

3737 East Broadway Road

Phoenix, AZ 85040

02-05-01

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

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

Environmental FirstSearch
Search Summary Report

Target Site: CP DETENTION BASIN
TEMPE AZ 85283

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2 >	ZIP	TOTALS
NPL	Y	08-24-00	1.00	0	0	0	0	0	0	0
CERCLIS	Y	12-28-00	0.50	0	0	0	0	-	0	0
RCRA TSD	Y	06-22-00	0.50	0	0	0	0	-	0	0
RCRA COR	Y	06-22-00	1.00	0	0	0	0	0	0	0
RCRA GEN	Y	06-22-00	0.12	0	0	-	-	-	0	0
RCRA NLR	Y	06-22-00	0.12	0	0	-	-	-	0	0
ERNS	Y	01-06-00	0.12	0	0	-	-	-	0	0
NPDES	N	01-21-01	0.25	-	-	-	-	-	-	-
FINDS	Y	12-28-00	0.12	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	0.12	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	0.12	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	01-03-01	0.50	0	0	3	5	-	0	8
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	09-01-99	0.50	-	-	-	-	-	-	-
Federal Land Use	N	06-17-98	0.50	-	-	-	-	-	-	-
Federal Wells	N	NA	0.50	-	-	-	-	-	-	-
Releases(Air/Water)	N	01-06-00	0.12	-	-	-	-	-	-	-
- TOTALS -				0	0	3	5	0	0	8

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
Site Information Report

Request Date: 02-05-01
Requestor Name: Frank Dickerson
Standard: ASTM

Search Type: COORD
Job Number: 2181JK023
FILTERED REPORT

Target Address: CP DETENTION BASIN
TEMPE AZ 85283

Demographics

Sites: 8 **Non-Geocoded:** 0 **Population:** NA
Radon: 0.3 - 7.3 PCI/L

Site Location

	Degrees (Decimal)	Degrees (Min/Sec)		UTMs
Longitude:	-111.961096	-111:57:40	**Easting:**	410596.181
Latitude:	33.374694	33:22:29	**Northing:**	3693046.926
			Zone:	12

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: **1.00 Mile(s)**

ZIP Code	City Name	ST	Dist/Dir	Sel
85040	PHOENIX	AZ	0.91 SW	Y
85044	PHOENIX	AZ	0.39 NW	Y
85282	TEMPE	AZ	0.24 NW	Y

Services:

	Requested?	Date
Sanborns	N	
Aerial Photographs	N	
Topo Maps (hardcopy)	N	
City Directories	N	
Title Search	N	
Municipal Reports	N	
Online Topo Map	N	

Environmental FirstSearch
Selected Sites Summary Report

TARGET SITE: CP DETENTION BASIN
TEMPE AZ 85283

JOB: 2181JK023

TOTAL: 8 **GEOCODED:** 8 **NON GEOCODED:** 0 **SELECTED:** 8

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
4	LUST	MOBIL # 18-593 0-003196	1435 W BASELINE RD TEMPE AZ 85283	0.41 NE	1
1	LUST	CHEVRON GULF STATION 0-009060	SW CORNER BASELINE & PRIEST RD TEMPE AZ 85284	0.26 NW	2
2	LUST	CROSSROADS PROPERTY 0-007827	NE CORNER I-10 BASELINE RD TEMPE AZ 85282	0.45 NW	3
3	LUST	GUADALUPE AUTO REPAIR 0-008384	8222 S AVENIDA DEL YAQUI GUADALUPE AZ 85283	0.21 SW	4
5	LUST	R HERNANDEZ TRUCKING INC 0-002474	8027 AVENIDA DEL YAQUI GUADALUPE AZ 85283	0.14 SW	5
6	LUST	SAVCO #6 0-004357	1701 W BASELINE RD TEMPE AZ 85283	0.25 NE	6
7	LUST	TEXACO # 60-349-0040/EQUILON 0-004907	1619 W BASELINE RD @ I-10 TEMPE AZ 85283	0.28 NE	7
8	LUST	WESTERN MACHINERY COMPANY 0-005619	1415 W BASELINE RD TEMPE AZ 85283	0.44 NE	8

Environmental FirstSearch
Site Detail Report

TARGET SITE: CP DETENTION BASIN
TEMPE AZ 85283

JOB: 2181JK023

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 4 **DIST/DIR:** 0.41 NE **MAP ID:** 1

NAME: MOBIL # 18-593
ADDRESS: 1435 W BASELINE RD
TEMPE AZ 85283
CONTACT:

REV: 04/19/00
ID1: 0-003196
ID2:
STATUS:
PHONE:

FACILITY ID: *0-003196*
LEAK ID: *1833.01*
CASE PRIORITY: *CLOSED SOIL LEVELS MEET RBCA TIER 1*
DATE INCLUDED: *6/18/91*
DATE CLOSED: *4/26/99*
LUST OTHER:

FACILITY ID: *0-003196*
LEAK ID: *1833.02*
CASE PRIORITY: *CLOSED SOIL LEVELS MEET RBCA TIER 1*
DATE INCLUDED: *6/18/91*
DATE CLOSED: *4/26/99*
LUST OTHER:

FACILITY ID: *0-003196*
LEAK ID: *1833.03*
CASE PRIORITY: *CLOSED SOIL LEVELS MEET RBCA TIER 1*
DATE INCLUDED: *6/18/91*
DATE CLOSED: *4/26/99*
LUST OTHER:

FACILITY ID: *0-003196*
LEAK ID: *1833.04*
CASE PRIORITY: *CLOSED SOIL LEVELS MEET RBCA TIER 1*
DATE INCLUDED: *6/18/91*
DATE CLOSED: *4/26/99*
LUST OTHER:

FACILITY ID: *0-003196*
LEAK ID: *1833.05*
CASE PRIORITY: *CLOSED SOIL LEVELS MEET RBCA TIER 1*
DATE INCLUDED: *6/18/91*
DATE CLOSED: *4/26/99*

- Continued on next page -

Environmental FirstSearch
Site Detail Report

TARGET SITE: CP DETENTION BASIN
TEMPE AZ 85283

JOB: 2181JK023

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 4 **DIST/DIR:** 0.41 NE **MAP ID:** 1

NAME: MOBIL # 18-593
ADDRESS: 1435 W BASELINE RD
TEMPE AZ 85283

CONTACT:

REV: 04/19/00
ID1: 0-003196
ID2:
STATUS:
PHONE:

LUST OTHER:

Environmental FirstSearch
Site Detail Report

TARGET SITE: CP DETENTION BASIN
TEMPE AZ 85283

JOB: 2181JK023

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 1 **DIST/DIR:** 0.26 NW **MAP ID:** 2

NAME: CHEVRON GULF STATION
ADDRESS: SW CORNER BASELINE & PRIEST RD
TEMPE AZ 85284
CONTACT:

REV: 04/19/00
ID1: 0-009060
ID2:
STATUS:
PHONE:

FACILITY ID: *0-009060*
LEAK ID: *4667.01*
CASE PRIORITY: *UNDEFINED OR UNKNOWN SOIL CONTAMINATION (DEFAULT FOR NEWLY REPORTED LUSTS)*
DATE INCLUDED: *2/20/97*
DATE CLOSED:
LUST OTHER:

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 2 **DIST/DIR:** 0.45 NW **MAP ID:** 3

NAME: CROSSROADS PROPERTY
ADDRESS: NE CORNER I-10 BASELINE RD
TEMPE AZ 85282
CONTACT:

REV: 04/19/00
ID1: 0-007827
ID2:
STATUS:
PHONE:

FACILITY ID: *0-007827*
LEAK ID: *0860.01*
CASE PRIORITY: *CLOSED SOIL LEVELS MEET RBCA TIER 1*
DATE INCLUDED: *8/21/89*
DATE CLOSED: *3/1/90*
LUST OTHER:

Environmental FirstSearch
Site Detail Report

TARGET SITE: CP DETENTION BASIN
TEMPE AZ 85283

JOB: 2181JK023

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 3 **DIST/DIR:** 0.21 SW **MAP ID:** 4

NAME: GUADALUPE AUTO REPAIR
ADDRESS: 8222 S AVENIDA DEL YAQUI
GUADALUPE AZ 85283
CONTACT:

REV: 04/19/00
ID1: 0-008384
ID2:
STATUS:
PHONE:

FACILITY ID: *0-008384*
LEAK ID: *5118.01*
CASE PRIORITY: *POTENTIAL CLOSURE DEFINED SOIL LEVELS MEET RBCA TIER 1, UNSATISFIED ADMINISTRATIVE REQUIREMENTS*
DATE INCLUDED: *9/14/99*
DATE CLOSED:
LUST OTHER:

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 5 **DIST/DIR:** 0.14 SW **MAP ID:** 5

NAME: R HERNANDEZ TRUCKING INC
ADDRESS: 8027 AVENIDA DEL YAQUI
GUADALUPE AZ 85283
CONTACT:

REV: 04/19/00
ID1: 0-002474
ID2:
STATUS:
PHONE:

FACILITY ID: *0-002474*
LEAK ID: *4528.01*
CASE PRIORITY: *CLOSED SOIL LEVELS MEET RBCA TIER 1*
DATE INCLUDED: *7/16/96*
DATE CLOSED: *4/28/97*
LUST OTHER:

Environmental FirstSearch
Site Detail Report

TARGET SITE: CP DETENTION BASIN
TEMPE AZ 85283

JOB: 2181JK023

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 6 **DIST/DIR:** 0.25 NE **MAP ID:** 6

NAME: SAVCO #6
ADDRESS: 1701 W BASELINE RD
TEMPE AZ 85283
CONTACT:

REV: 04/19/00
ID1: 0-004357
ID2:
STATUS:
PHONE:

FACILITY ID: *0-004357*
LEAK ID: *1784.01*
CASE PRIORITY: *CLOSED SOIL LEVELS MEET RBCA TIER 1*
DATE INCLUDED: *4/22/91*
DATE CLOSED: *3/9/94*
LUST OTHER:

FACILITY ID: *0-004357*
LEAK ID: *3867.01*
CASE PRIORITY: *CLOSED SOIL LEVELS MEET RBCA TIER 1*
DATE INCLUDED: *12/19/91*
DATE CLOSED: *3/9/94*
LUST OTHER:

Environmental FirstSearch
Site Detail Report

TARGET SITE: CP DETENTION BASIN
TEMPE AZ 85283

JOB: 2181JK023

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 7 **DIST/DIR:** 0.28 NE **MAP ID:** 7

NAME: TEXACO # 60-349-0040/EQUILON
ADDRESS: 1619 W BASELINE RD @ I-10
TEMPE AZ 85283
CONTACT:

REV: 04/19/00
ID1: 0-004907
ID2:
STATUS:
PHONE:

FACILITY ID: *0-004907*
LEAK ID: *2146.01*
CASE PRIORITY: *CLOSED SOIL LEVELS MEET RBCA TIER 1*
DATE INCLUDED: *7/2/91*
DATE CLOSED: *7/28/99*
LUST OTHER:

FACILITY ID: *0-004907*
LEAK ID: *2146.02*
CASE PRIORITY: *UNDEFINED OR UNKNOWN SOIL CONTAMINATION (DEFAULT FOR NEWLY REPORTED LUSTS)*
DATE INCLUDED: *12/4/00*
DATE CLOSED:
LUST OTHER:

FACILITY ID: *0-004907*
LEAK ID: *2146.03*
CASE PRIORITY: *POTENTIAL CLOSURE DEFINED SOIL LEVELS MEET RBCA TIER 1, UNSATISFIED ADMINISTRATIVE REQUIREMENTS*
DATE INCLUDED: *12/4/00*
DATE CLOSED:
LUST OTHER:

FACILITY ID: *0-004907*
LEAK ID: *2146.04*
CASE PRIORITY: *UNDEFINED OR UNKNOWN SOIL CONTAMINATION (DEFAULT FOR NEWLY REPORTED LUSTS)*
DATE INCLUDED: *12/4/00*
DATE CLOSED:
LUST OTHER:

Environmental FirstSearch
Site Detail Report

TARGET SITE: CP DETENTION BASIN
TEMPE AZ 85283

JOB: 2181JK023

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 8 **DIST/DIR:** 0.44 NE **MAP ID:** 8

NAME: WESTERN MACHINERY COMPANY
ADDRESS: 1415 W BASELINE RD
TEMPE AZ 85283

CONTACT:

REV: 04/19/00
ID1: 0-005619
ID2:
STATUS:
PHONE:

FACILITY ID: *0-005619*
LEAK ID: *4601.01*
CASE PRIORITY: *CLOSED SOIL LEVELS MEET RBCA TIER 1*
DATE INCLUDED: *10/21/96*
DATE CLOSED: *4/2/97*
LUST OTHER:

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)

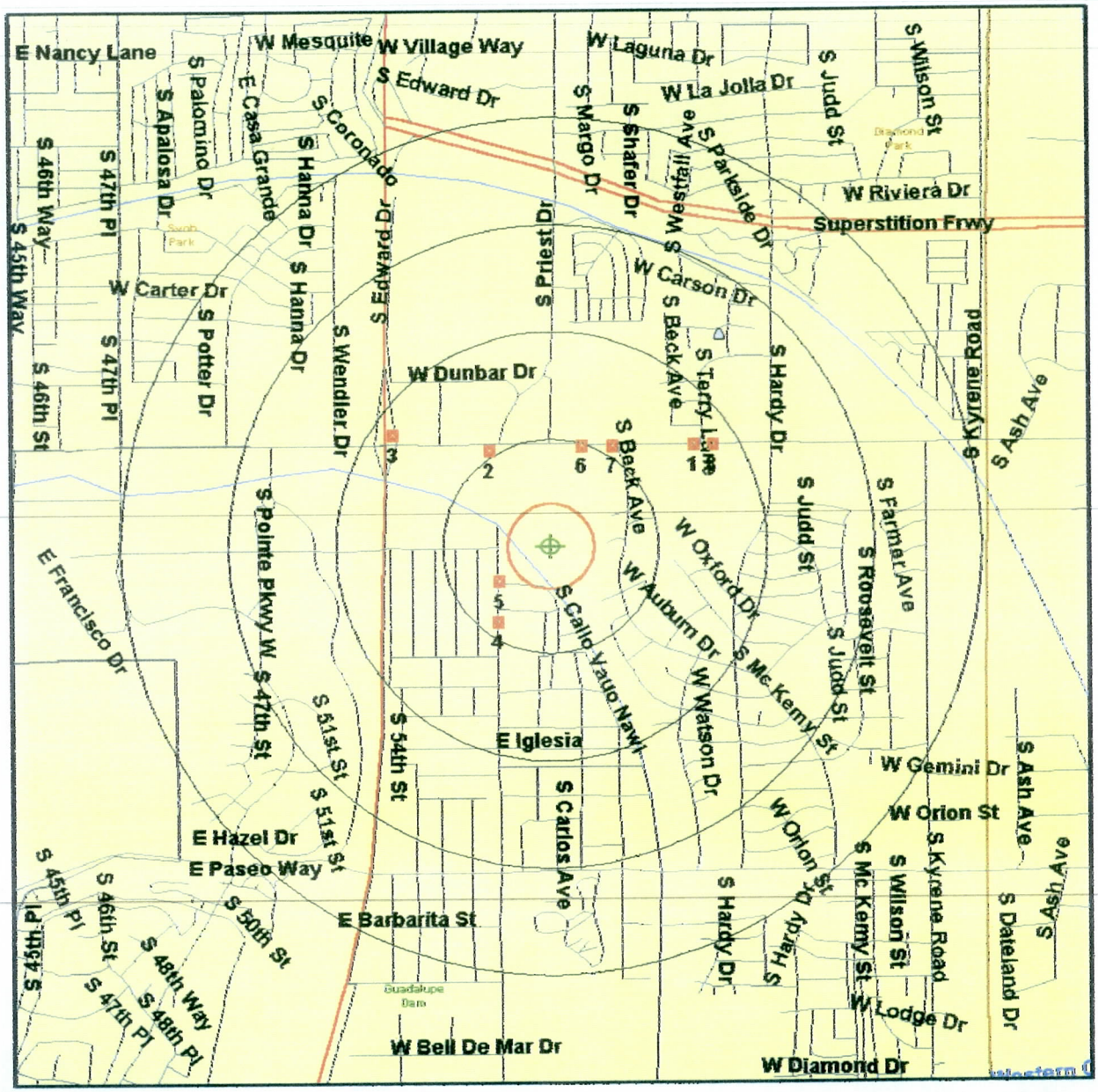
The ADEQ Emergency Response Unit documents chemical spills & incidents which are referred to the Unit. For further information, call (602) 207-4150.

Environmental FirstSearch

1 Mile Radius

All FEDERAL All STATE All LOCAL Sites

CP DETENTION BASIN , TEMPE AZ 85283



Source: 1999 U.S. Census TIGER Files

Target Site (Latitude: 33.374694 Longitude: -111.961096) .....

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