

**Appendix 5.14B**  
**Phase I Environmental Site Assessment and**  
**Phase II Limited Site Investigation**  
**Prepared by Terracon**

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**PHASE I ENVIRONMENTAL SITE ASSESSMENT**

**FORMER RICE ARMY AIRFIELD  
HIGHWAY 62, MILE MARKER 109  
RIVERSIDE COUNTY, CALIFORNIA**

**Terracon Project Number: 60097721  
Report Date: September 24, 2009**

*Prepared for:*

**Rice Solar Energy, LLC  
2425 Olympic Boulevard, Suite 500 East  
Santa Monica, California 90404**

*Prepared by:*

**Terracon**  
16662 Millikan Avenue  
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September 24, 2009

Ms. Julie Way  
Rice Solar Energy, LLC  
2425 Olympic Boulevard, Suite 500 East  
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Re: Phase I Environmental Site Assessment  
Former Rice Army Airfield  
Highway 62, Mile Marker 109  
Riverside County, California 92239  
Project No. 60097721

Dear Ms. Way:

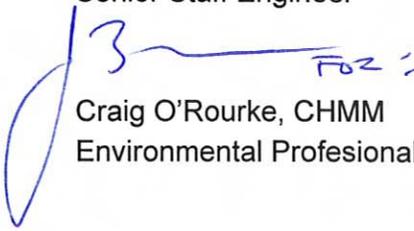
Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced site to Rice Solar Energy, LLC in support of their application for certification (AFC) to the California Energy Commission for development of a 150 MW solar energy facility. This assessment was performed in accordance with our proposal dated February 16, 2009.

We appreciate the opportunity to perform these services for you. Please contact us if you have questions regarding this information or if we can provide any other services.

Sincerely,  
**Terracon Consultants, Inc.**

  
T. Anthony Wightman  
Senior Staff Environmental Engineer

  
Jinny Park  
Senior Staff Engineer

  
Craig O'Rourke, CHMM  
Environmental Profesional

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ATTACHMENT 1	Limited Site Investigation, Terracon, July 2009
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## COMMON ACRONYMS <sup>1</sup>

ACM	Asbestos containing material
AST	Aboveground storage tank
ASTM	American Society for Testing and Materials
AUL	Activity and use limitation
BGS	Below ground surface
BTEX	Benzene, toluene, ethylbenzene, and xylenes
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
DOT	United States Department of Transportation
EPA	United States Environmental Protection Agency
HREC	Historical recognized environmental condition
LUST	Leaking underground storage tank
MCL	Maximum contaminant level
MSDS	Material safety data sheet
NGVD	National Geodetic Vertical Datum
NOV	Notice of violation
NPL	National Priority List
NRCS	USDA Natural Resources Conservation Service
OSHA	Occupational Safety and Health Administration
PCB	Poly-chlorinated biphenyl
RCRA	Resource Conservation and Recovery Act
REC	Recognized environmental condition
SPCC	Spill Prevention, Control and Countermeasure
SWPPP	Stormwater pollution prevention plan
TEPH	Total extractable petroleum hydrocarbons
TPH	Total petroleum hydrocarbons
TVPH	Total volatile petroleum hydrocarbons
TRI	Toxic release inventory
TSCA	Toxic Substances Control Act
USGS	United States Geological Survey
UST	Underground storage tank
VCP	Voluntary cleanup program
VOC	Volatile organic compound

### Units of measure

sq ft or ft <sup>2</sup>	square feet
mg/kg	milligrams per kilogram
mg/l	milligrams per liter
ug/l	micrograms per liter
ppb	parts per billion
ppm	parts per million

<sup>1</sup> An additional list of acronyms and definitions is included in Appendix B.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
FORMER RICE ARMY AIRFIELD  
HIGHWAY 62, MILE MARKER 109  
RIVERSIDE COUNTY, CALIFORNIA**

**Project No. 60097721  
Report Date: September 24, 2009**

**EXECUTIVE SUMMARY**

This Phase I ESA was performed in accordance with our proposal dated February 16, 2009, and was conducted consistent with the procedures included in ASTM E 1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The ESA was prepared in support of the Rice Solar Energy, LLC application for certification (AFC) to the California Energy Commission for development of a 150 MW solar energy facility at the site. The ESA was conducted under the supervision or responsible charge of Craig O'Rourke, CHMM, Environmental Professional. Craig O'Rourke, Jeff Brenner, Jinny Park, and Anthony Wightman performed the site reconnaissance on February 4, 2009; and Jinny Park and Anthony Wightman performed an additional site reconnaissance on March 17, 2009.

A cursory summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

- The site is located south of Highway 62 at Mile Marker 109 in Riverside County, California. The site consists of an approximate 3,300-acre tract of land that was historically utilized for a few years as a municipal airport and as a military airfield / training camp (Rice Army Airfield) and, subsequently, a public, civilian airport facility (Rice Airfield). The site is currently vacant; however, remnant features from the former airfield remain.
- Based on visual observations at the time of the site reconnaissance and the results of a Limited Site Investigation performed by Terracon (Attachment 1), RECs were not identified for the site.
- Based on review of the historical information, the site was historically utilized for a few years as a municipal airport and as a military airfield / training camp (Rice Army Airfield) in the early-1940s and, subsequently, a public, civilian airport facility (Rice Airfield) until the 1950s. This site consists of two runways and associated apron and taxiways. During the military occupation, the Airfield was also developed with barracks, and several small buildings on concrete foundations. The site is currently vacant; however, remnant features from the former airfield remain.
- Based on visual observations at the time of the site reconnaissance, indications of RECs associated with the adjoining properties were not identified for the site.

## EXECUTIVE SUMMARY (cont.)

- Based on review of available regulatory database information provided by EDR and inquiries to local/regional agencies for available records, the site was utilized as the Rice Municipal Airport prior to being acquired by the Army in 1942. During the military occupation, Rice Army Airfield consisted of three enlisted men's barracks, three officers quarters and club, two lavatories, several bathhouses, mess hall, several kitchens, several warehouses, generator building, link trainer building, pump house, water tank and tower, two runways, taxi ways, and a concrete apron for aircraft." A site drainage and sewer system along with a water system, electric distribution system, and a gas fueling system were also installed at the site during the military occupation. Military operations at the site reportedly ceased in 1944 and the site was utilized as a civilian and private airport until it was abandoned sometime prior to 1959.
- Terracon reviewed a UST closure report for the site, titled "Removal and Disposal of One 5,000 Gallon Steel Underground Storage Tank and One 350 Gallon and Two 500 Gallon Concrete Septic Tanks," prepared by ECI. According to this report, ECI excavated and removed one 5,000-gallon steel UST and three concrete septic tanks (used for fuel storage) in February 1999. Total recoverable petroleum hydrocarbons and total petroleum hydrocarbons as diesel were detected in concentrations of 435 and 426 milligrams per kilogram, respectively, in soil samples collected from one of the septic tank locations. In March 1999, ECI reportedly excavated the contaminated soil in the septic tank location to approximately 15 feet bgs. Confirmation samples reportedly indicated that all the contaminated soil had been removed. Subsequently, the County of Riverside Department of Environmental Health issued a "no-further-action" letter for the septic tank on March 17, 1999.
- According to a 2008 URS Draft ESA Report, the Rice Airfield was used by the United States military from 1942 to 1944 as part of the Desert Training Center and consisted of army barracks, hangars, other aircraft structures, recreation and mess areas, and other facilities with the capacity to house 3,000 troops. Information or documentation regarding closure of several USTs was unavailable and URS noted the lack of documentation as a REC. URS also identified the following as RECs: oily gravel on the former runways and access road, burned debris piles, potential for unexploded ordnance (UXO), and the Rice Camp (Army) listing in the ENVIROSTOR database. URS recommended further research of the operations at the historical Rice Army Airfield to evaluate the potential for impact to soil or groundwater beneath the site.
- In June 2009, Terracon performed a Limited Site Investigation (Attachment 1) to address the areas of potential concern identified through our site reconnaissance and review of site related documentation, including the RECs identified in the draft URS report. Soil samples were collected from the several locations along the former runways and in two of the burned debris pile areas. Based on the results of the

## EXECUTIVE SUMMARY (cont.)

laboratory analytical results, the oily gravel on the former runways and access road and the burned debris piles do not constitute RECs. Additional samples were collected in the vicinity of areas of rock pits, aprons, tie-down areas, pits, and other areas of potential concern. The analytical results obtained during this LSI do not indicate that the soils beneath the site are impacted with elevated concentrations of hazardous substances associated with the historic activities at the site.

- Subsequent to the LSI effort, additional historical records were obtained and provided by the client identifying a soil mound located east of the eastern runway of the eastern runway as a possible “firing butt” that may have been used as a place for aircraft to test guns prior to taking off. Based on the potential for fired rounds and hazardous substance byproducts, such as lead, to be present within the soil mound, this feature constitutes a REC and further investigation is recommended prior to site development.

### **Recommendations**

Based on the scope of services, limitations, and findings of this assessment, Terracon identified one REC which, in our opinion, warrants additional investigation at this time. Terracon recommends that the soil mound located east of the eastern runway be investigated for the potential presence of fired ammunition rounds and potential contaminants from the fired rounds, including lead.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
FORMER RICE ARMY AIRFIELD  
HIGHWAY 62, MILE MARKER 109  
RIVERSIDE COUNTY, CALIFORNIA**

**Project No. 60097721  
Report Date: September 24, 2009**

**1.0 INTRODUCTION**

Terracon Consultants, Inc. (Terracon) prepared this Phase I Environmental Site Assessment (ESA) report for the above-referenced site for Rice Solar Energy, LLC in support of their application for certification (AFC) being developed for submittal to the California Energy Commission for development of a 150 MW solar energy facility for the site.

**1.1 Site Description**

**Site Description**

<b>Site Name</b>	Former Rice Army Airfield
<b>Site Location/Address</b>	Highway 62, Mile Marker 109, Riverside County, California 92239
<b>Land Area</b>	Approximate 3,300-acre tract of land
<b>Site Improvements</b>	The site is currently vacant with remnant foundations and features from the past use as an airfield and army training camp.

The site location is depicted on Figure 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. A diagram of the site and adjoining properties is included as Figure 2 of Appendix A. Acronyms and terms used in this report are described in Appendix B.

**1.2 Scope of Services**

This Phase I ESA was performed in accordance with our proposal dated February 16, 2009, and was conducted consistent with the procedures included in ASTM E 1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant gaps (if identified) are evident from reviewing the applicable scope of services and the report text.

### 1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance, a client-driven scope of work, or inability to review information not received by the report date. When appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated - but not eliminated - through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

### 1.4 Additional Scope Limitations, ASTM Deviations, and Significant Data Gaps

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, business environmental risk evaluations, or other services not particularly identified and discussed herein. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Consideration of such information is beyond the scope of this assessment. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. This ESA was further limited by the following:

- *Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request.*

- *Pertinent documents are referred to in the text of this report, and a separate reference section has not been included.*
- *Due to the large size of the site, all areas of the site and surrounding properties were not observed during the site reconnaissance; however, Terracon attempted to observe a majority of the “developed” portions of the site that appeared to have been previously altered from native, virgin land.*

An evaluation of the significance of these limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations, or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site’s current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

## **1.5 Reliance**

This ESA report is prepared for the exclusive use and reliance of SolarReserve and Rice Solar Energy, LLC. Use or reliance by any other party is prohibited without the written authorization of SolarReserve and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and Terracon’s Agreement for Services. The limitation of liability defined in the Agreement for Services is the aggregate limit of Terracon’s liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E 1527-05 Sections 4.6 and 4.8. If the ESA will be used by a different user (third party) than the user for whom the ESA was

originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E 1527-05.

### 1.6 Client Provided Information

An ASTM E 1527-05 User Questionnaire was provided to the client, however, a response had not been received by the issuance of this report.

## 2.0 PHYSICAL SETTING

### Physical Setting

PHYSICAL SETTING INFORMATION FOR SITE AND SURROUNDING AREA		SOURCE
<b>Topography</b> (Refer to Appendix A for an excerpt of the Topographic Map)		
<i>Site Elevation</i>	Approximately 820 feet (NGVD)	USGS Topographic Map, Rice, California Quadrangle, 1983.
<i>Surface Runoff/ Topographic Gradient</i>	Sloping towards the south.	
<i>Closest Surface Water</i>	Four intermittent streams, running north-south, across the site.	
<b>Soil Characteristics</b>		
<i>Soil Type</i>	Carrizo	San Bernardino County, California USDA, Natural Resources Conservation Service Soil Survey
<i>Description</i>	Carrizo soils consist of very deep, excessively drained soils formed in alluvium. They have negligible to low runoff with rapid to very rapid permeability.	
<b>Geology/Hydrogeology</b>		
<i>Formation</i>	Qal	CDMG, "Geologic Map of California, Needles Sheet," 1992.
<i>Description</i>	Alluvium	
<i>Estimated Depth to First Occurrence of Groundwater</i>	Approximately 360 feet below ground surface.	AZCA Drilling & Pump, Inc., "Kennedy Well at Rice #2, 24 Hour Test Pump Results," dated August 22, 2008.
<i>*Hydrogeologic Gradient:</i>	Not known - may be inferred to be parallel to topographic gradient (primarily to the south.)	

\* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

### 3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources for indications of RECs. A summary of the historical review is included in Section 3.12. Copies of selected historical documents are included in Appendix C.

#### 3.1 Historical Topographic Maps

Readily available historical USGS topographic maps were reviewed to identify RECs in connection with the site. Reviewed historical topographic maps are summarized below.

- Rice, California, published 1954 (1:62,500)
- Rice, California, published 1983 (1:24,000)

##### Historical Topographic Maps

Direction	Description
Site	The site is depicted as the Rice Air Base which appears to include 2 major runways, a road running south from Highway 62 to an apron then from the aprons to both runways (1954), same as the previous year with the Air Field depicted as abandoned (1983).
North	Highway 62 followed by Atchison Topeka & Santa Fe (AT&SF) Railroad tracks, the Colorado River Aqueduct, along with several dikes and siphons, and vacant land (1954-1983).
East	Vacant land (1954-1983).
South	Vacant land (1954-1983).
West	Vacant land followed by AT&SF railroad tracks and a paved road (1954), vacant land (1983).

#### 3.2 Historical Aerial Photographs

Selected historical aerial photographs from Environmental Data Resources, Inc. (EDR) were reviewed at approximately 10 to 15 year intervals, if readily available, to obtain information concerning the history of development on and near the site. Evaluation of these aerials may be limited by a photo's quality and scale. Selected photographs are summarized below.

- Unknown source, 1943, unknown scale.
- Teledyne, 1972, 1"=1,500'
- USGS, 1996, 1"=1,500'
- USGS, 2002, 1"=1,500'
- EDR, 2005, 1"=484' (limited coverage of site)

### Historical Aerial Photographs

Direction	Description
Site	The site is developed with the Rice Airfield, which includes 2 main runways with several small tie-down aprons to the south. An access road running south from Highway 62 ends at an apparent apron located north of the runways. Apparent barracks are visible, predominantly east of the main access road, and northwest and east of the main apron (1943). Addition of several apparent concrete foundations, burn areas and rock pits are located on both sides of the main access road (1972-2002). A portion of the eastern main runway, dirt roads and northern apron is depicted (2005).
North	Highway 62 followed by the AT&SF railroad and Colorado Aqueduct (1943-2002).
East	Undeveloped, vacant land with an apparent dirt road running southeast from Highway 62 (1943-2002).
South	Undeveloped, vacant land (1943-2002).
West	Undeveloped, vacant land with an apparent dirt road running southwest from Highway 62 (1943-2002).

### 3.3 Historical City Directories

As no street address exists for the site, city directories for the site or site vicinity were not reasonably ascertainable.

### 3.4 Historical Fire Insurance Maps

Historical fire insurance maps produced by the Sanborn Map Company were requested from EDR to evaluate past uses and relevant characteristics of the site and surrounding properties. Based upon inquiries to the above-listed Sanborn provider, Sanborn Maps were not available for the site.

### 3.5 Property Tax File Information

According to the Riverside County Land Information System, the site is located in Tax Rate Area 085-000. Based on review of this information, the current owner of the site was not provided.

### 3.6 Title Search

A title report and historical title documents were provided to Terracon by the client for review. North American Title Company conducted the title report on January 16, 2008 for the site; and additional ownership records were reviewed back to 1947. Based on a review of the information provided, the current owner of the site is Rice Development, LLC, who obtained title on August 23, 2006 from Hesperia Silicia, Inc. Previous site owners include

Rice Properties, Inc., Southern California Edison Company, Go-Toll, Inc., United States of America, and various private individuals.

Based on review of historical title documents, the following features were/are present at the site: two runways; taxiways; spur track; thirty-seven buildings; and drainage, sewer, water, electric and gas fueling systems, including three 25,000-gallon USTs. Refer to Section 4.2.1 for further discussion of the USTs at the site, based on records obtained from the County of Riverside, Department of Environmental Health.

### **3.7 Environmental Liens**

Environmental lien records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and, unless notified otherwise, we assume that the client is evaluating this information outside the context of this report.

### **3.8 Zoning/Land Use Records**

According to the Riverside County Land Information System, the site is located in Chuckawalla Area Zoning District and is zoned as a mixture of W-2-10 – Controlled Development Area and N-A – Natural Asset. The current land use designation of the site is OS-RUR – Open Space, Rural; and the site is located in the East County – Desert Planning Area.

### **3.9 Prior Report Review**

The following report was provided to Terracon by the client for review:

URS, “Draft Report, Phase I Environmental Site Assessment, SolarReserve Rice Airfield Site,” dated December 9, 2008.

According to the Draft Report, the airfield was used by the United States military from 1942 to 1944 as part of the Desert Training Center. URS stated that the Rice Army Airfield and east adjoining Camp Rice facility consisted of army barracks, hangars, other aircraft structures, recreation and mess areas, and other facilities with the capacity to house 3,000 troops. The Airfield reportedly consisted of two 5,000-foot long by 150-foot wide oiled gravel runways. The report indicates the site may have been used as a civilian airport in the 1930s, late-1940s, and the 1950s.

URS interviewed Mr. Greg Jabin of Rice Development, LLC. According to URS, Mr. Jabin stated that empty cans, an automobile chassis, and three water wells are located at the site.

URS also stated that information regarding historical underground storage tanks (USTs) is documented in a UST Storage Tank Closure report for the site.

URS reviewed the UST closure report, titled "Removal and Disposal of One 5,000 Gallon Steel Underground Storage Tank and One 350 Gallon and Two 500 Gallon Concrete Septic Tanks," prepared by ECI. According to URS, ECI was contracted to remove seven USTs, installed in three separate locations, from the site. ECI excavated and removed one 5,000-gallon steel UST and three concrete septic tanks (one 350-gallon and two 500-gallon) in February 1999. According to ECI, the septic tanks had historically been used for fuel storage.

The report prepared by ECI indicated that soil samples collected from the tank excavation areas were analyzed for total petroleum hydrocarbons as gasoline and diesel (TPH-g and TPH-d, respectively), total recoverable petroleum hydrocarbons (TRPH), benzene, toluene, ethylbenzene, total xylenes, methyl tertiary butyl ether, and lead. According to ECI, TRPH and TPH-d was detected in concentrations of 435 and 426 milligrams per kilogram, respectively, in soil samples collected from one of the septic tank locations. In March 1999, ECI reportedly excavated the contaminated soil in the septic tank location to approximately 15 feet bgs. Confirmation samples reportedly indicated that all the contaminated soil had been removed. Subsequently, the County of Riverside Department of Environmental Health issued a no further action letter for this septic tank on March 17, 1999. However, information or documentation regarding the remaining USTs was unavailable and URS noted the lack of documentation as a REC.

URS also identified the following as RECs: oily gravel on the former runways and access road, burned debris piles, potential for unexploded ordnance (UXO), and the Rice Camp (Army) listing in the ENVIROSTOR database. URS recommended further research of the operations at the historical Rice Army Airfield to evaluate the potential for impact to soil or groundwater beneath the site.

Refer to Section 4.2.1 for further discussion of the USTs and Terracon's review of the document prepared by ECI.

In June 2009, Terracon performed a Limited Site Investigation (Attachment 1) to address several areas of potential concern identified through our site reconnaissance and review of site related documentation, including the RECs identified by URS. Soil samples were collected from several locations along the former runways and in two of the burned debris pile areas. Based on the results of the laboratory analytical results, the oily gravel on the former runways and access road and the burned debris piles do not constitute RECs. Additional samples were collected in the vicinity of the following areas: pits, aprons, tie-

down areas, and other areas of potential concern. The analytical results obtained during this LSI do not indicate that the soils beneath the site are impacted with elevated concentrations of hazardous substances associated with the historic activities at the site.

### **3.10 Historical Use Information Summary**

Based on review of the historical information, the site was historically utilized for a few years as a municipal airport and as a military airfield / training camp (Rice Army Airfield) in the early-1940s and, subsequently, a public, civilian airport facility (Rice Airfield) until the 1950s. This site consists of two runways and associated apron and taxiways. During the military occupation, the Airfield was also developed with barracks, and several small buildings on concrete foundations. The site is currently vacant; however, remnant features from the former airfield remain.

## **4.0 RECORDS REVIEW**

Regulatory database information was provided by EDR, a contract information services company. The purpose of the records review was to identify RECs in connection with the site. Evaluating identified regulatory facilities for potential vapor intrusion conditions was outside the scope of this assessment. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated, and the scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. As mentioned in Section 2.0, groundwater was measured at a depth of approximately 360 feet below ground surface from a well located on-site; however, without the benefit of additional on-site groundwater monitoring wells surveyed to a datum, groundwater flow direction beneath the site cannot be directly ascertained.

### **4.1 Federal and State/Tribal Databases**

Listed below are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate site boundaries. Database definition, descriptions, and the database search report are included in Appendix D.

### Federal and State Databases

<u>Database</u>	<u>Description</u>	<u>Radius (miles)</u>	<u>Listings</u>
Federal			
<b>NPL</b>	The NPL is the EPA's database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.	1.0	0
<b>NPL (Delisted)</b>	The NPL (Delisted) refers to facilities that have been removed from the NPL.	0.5	0
<b>CERCLIS</b>	The CERCLIS database is a compilation of facilities which the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances pursuant to the CERCLA of 1980.	0.5	0
<b>CERCLIS / NFRAP</b>	CERCLIS/NFRAP refers to facilities that have been removed and archived from EPA's inventory of CERCLA sites.	0.5	0
<b>RCRA CORRACTS/ TSD</b>	The EPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous waste that are undergoing "corrective action." A "corrective action" order is issued when there has been a release of hazardous waste or constituents into the environment from a RCRA facility.	1.0	0
<b>RCRA Non-CORRACTS/ TSD</b>	The RCRA Non-CORRACTS/TSD Database is a compilation by the EPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.	0.5	0
<b>RCRA Generators</b>	The RCRA Generators database, maintained by the EPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as either large (LQG), small (SQG), or conditionally exempt (CESQG). LQG produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. SQG produce 100-1000 kg/month of non-acutely hazardous waste. CESQG are those that generate less than 100 kg/month of non-acutely hazardous waste.	Site and adjoining properties	0
<b>IC / EC</b>	A listing of sites with institutional and/or engineering controls in place. IC include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls. EC include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.	Site	0
<b>ERNS</b>	The Emergency Response Notification System (ERNS) is a listing compiled by the EPA on reported releases of petroleum and hazardous substances to the air, soil and/or water.	Site	0

<u>Database</u>	<u>Description</u>	<u>Radius (miles)</u>	<u>Listings</u>
State			
<b>CALSITES</b>	The California Department of Toxic Substances Control (DTSC) has developed an electronic database system with information about sites that are known to be contaminated with hazardous substances as well as information on uncharacterized properties where further studies may reveal problems. These confirmed sites are generally high priority, high potential risk, and include military facilities, state "funded" or Responsible Party (RP) lead, and National Priority List (NPL) sites. The Site Mitigation and Brownfields Reuse Program Database (SMBRPD), also known as "CalSites," is used primarily by DTSC's staff as an informational tool to evaluate and track activities at properties that may have been affected by the release of hazardous substances.	1.0	0
<b>CALSITES (AWP)</b>	The California DTSC has compiled a database of state equivalent NPL active sites known as Annual Workplan Properties (AWP), and as State Superfund Sites. These are confirmed release sites where DTSC is actively working to remediate, either in a lead or support capacity.	1.0	0
<b>SWF/LF</b>	State and/or Tribal database of solid waste facilities located within California. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.	0.5	0
<b>LUST</b>	State and/or Tribal database of leaking underground storage tanks in the state of California.	0.5	0
<b>UST</b>	State and/or Tribal database of registered storage tanks in the State of California which may include the owner and location of the tanks.	Site and adjoining properties	0
<b>VCP</b>	State and/or Tribal facilities included as Voluntary Cleanup Program sites.	0.5	0
<b>ENVIROSTOR</b>	The DTSCs Site Mitigation and Brownfields Reuse Programs database identifies sites that have known contamination or sites for which there may be reasons to investigate further.	1.0	3*

\* Includes listings at the site

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report included in Appendix D.

### Listed Facilities

<b>Facility Name and Location</b>	<b>Estimated Distance/Direction/Gradient</b>	<b>Database Listings</b>
Army Airport	Site	ENVIROSTOR
Camp Rice (Army) / Army Camp	Portion of site and adjoining east and cross-gradient of the site	ENVIROSTOR

#### Army Airport

According to EDR, the Army Airport facility is located 1.8 miles east of Rice, California and appears to be the site. The Army Airport facility is listed in the ENVIROSTOR database as “Inactive – Needs Evaluation” as of July 1, 2005. The database did not provide additional information for this listing. As mentioned in Section 4.2.3, DTSC does not have additional information for the site. Based on the absence of a reported release, RECs associated with the ENVIROSTOR listing for this facility were not identified for the site.

#### Camp Rice (Army) / Army Camp

According to EDR, the Camp Rice (Army) / Army Camp facility is located 3 miles east of Rice, California and appears to be primarily adjoining east and topographically cross-gradient of the site. The eastern portion of this facility is located with the northeast boundary of the site and is considered to be part of the site. This facility is listed in the ENVIROSTOR database as “Inactive – Needs Evaluation” as of July 1, 2005. Based on review of the online California Department of Toxic Substances Control (DTSC) ENVIROSTOR database, the property is under the oversight of the DTSC – Site Mitigation and Brownfield Reuse Program. As mentioned in Section 4.2.3, DTSC does not have additional information for the facility. Based on the absence of a reported release, RECs associated with the ENVIROSTOR listing for this facility were not identified for the site.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report listed 18 facilities in the unmapped section. Determining the location of unmapped facilities is beyond the scope of this assessment. These facilities are listed in the database report in Appendix D. Based on a review of the unmapped facilities, three were identified by name or address and are included in the summary above.

## **4.2 Local Agency Inquiries**

### **4.2.1 Health Department/Environmental Division**

The County of Riverside, Department of Environmental Health (DEH) was contacted by letter regarding environmental records or information indicating environmental concerns for the site. DEH had records pertaining to the closure of several USTs at the site. A draft UST Closure Report, dated June 22, 1999 and entitled “Removal and Disposal of One 5,000 Gallon Steel Underground Storage Tank and One 350 Gallon and Two 500 Gallon Concrete Septic Tanks for the former Rice Airfield, Rice, CA” was included within the DEH files. This report was prepared by Ecology Control Industries (ECI) under a contract with the Department of the Army, Los Angeles District, Corps of Engineers. The ECI Closure Report

referred to the following 12 specific known or suspected tank (UST and septic tank) locations that were investigated.

- UST Site 1 – This site was located approximately 150- to 200-feet south of Highway 62 and approximately 100-feet east of the main entry road. The site was reported to have had three 25,000-gallon USTs and fuel dispenser facilities. However, USTs were not located during the investigation, and they were presumed to have been removed previously. ECI collected 12 soil samples from this area, and only trace concentrations of total recoverable petroleum hydrocarbons (TRPH) were encountered at 6- and 15-feet below ground surface (bgs).
- UST Site 2A – This site was located approximately 150- to 200-feet east of the entry road and 25-feet north of the east-west service road. USTs were not located during the investigation, and they were presumed to have been removed previously. One soil sample was collected for analysis, and the laboratory results were non-detectable for TRPH; benzene, toluene, ethylbenzene, and xylene (BTEX); MTBE; and total petroleum hydrocarbons (TPH).
- UST Site 2B – This site was located near the former generator foundation, approximately 500-feet east of the entry road and 40-feet north of the east-west service road. USTs were not encountered in this area and samples were not taken.
- UST Site 3 – This site was located approximately 20-feet north of the westerly portion of the east-west service road, where it starts to turn toward the south. This site was suspected of having been the location of the two former 50,000-gallon USTs but none were found and they were presumed to have been previously removed. However, two concrete foundations were removed along with 200-feet of underground piping. Minor concentrations (less than 25 mg/kg) of BTEX and TRPH were encountered in shallow soil sampling, but no indication of significant release or impact to the area was encountered.
- UST Site 4 – This site is located approximately 150-feet south of the east-west service road and was the reported location of a 12,000-gallon UST, however, no UST was encountered in this area. Soil samples were collected from three different locations; through the former foundation and along the piping and dispenser points, but only trace concentrations of TRPH (at 11 mg/kg) were encountered.
- UST Site 5 – This was the location of a former 5,000 gallon UST and was located approximately 40-feet south of the westerly service road where it intersects with the main entry road. Soil samples were collected at 13- and 15-feet bgs and were non-detectable for TPH, TRPH, BTEX, and MTBE.
- UST Site 6 – This site was located adjacent along the north side of the concrete tarmac and approximately 200-feet west of the entry road. Soil samples were taken

at 15- and 17-foot bgs and were non-detectable for TPH, TRPH, BTEX, MTBE, and lead was detected at a probable background concentration of 12.8 mg/kg.

- UST Site 7 – This site was located approximately 20-feet north of the east end of the concrete tarmac, which is the location of a deep pit, and no UST was encountered in this location. Soil samples were collected at 15- and 17-foot bgs and all were non-detectable for TPH, TRPH, MTBE, BTEX, and lead.
- UST Site 8 – This site is located approximately 50-feet east of the entry road and approximately 60-feet north of the concrete tarmac. USTs were not encountered in this location and no samples were taken.
- Septic Tank #1 – A 500-gallon concrete tank was removed at a location approximately 300-feet west of the main entry road and 70-feet north of the east-west service road and 50-feet west of the concrete block supports. Soil samples collected from the concrete at 2-inches into the concrete indicated TPH-d of 559 mg/kg and TRPH of 936 mg/kg. However, two soil samples were reportedly taken from one boring in this area; one at 6-feet and one at 10-foot bgs. TRPH was detected at 20 mg/kg in the 6-foot sample but was not detected in the 10-foot sample.
- Septic tank #2 – A 500-gallon septic tank was removed from along the westerly service road. Samples were collected from six locations, and TPH and TRPH were detected in concrete samples at 985 mg/kg and 4,020 mg/kg, respectively. Soil sampling indicated concentrations of TPH-d at 426 mg/kg at 6-foot bgs and 226 mg/kg at 10-foot bgs. TRPH was detected at 435 mg/kg at 6-foot bgs and 88 mg/kg at 10-foot bgs.
- Septic Tank #3 – A 350-gallon septic tank was removed from an area east of the main entry road, approximately 300-feet north of the large concrete tarmac. A concrete sample analyzed contained TRPH at concentrations up to 1,380 mg/kg, however, soil samples collected at 6- and 10-foot bgs were non-detectable for the TPH and TRPH.

ECl concluded that the septic tanks had been used for fuel storage in the past. Contaminated soil and the concrete walls of the septic tanks were excavated and transported to an offsite disposal facility. The excavations were backfilled with stockpiled soil and imported fill based on approval from the Army Corps and the County, who permitted and witnessed the work.

In June 2009, Terracon performed a Limited Site Investigation (Attachment 1) to address the areas of potential concern identified through our site reconnaissance and review of site related documentation. Soil samples were collected in the vicinity of the following areas:

pits, aprons, tie-down areas, and other areas of potential concern. The analytical results obtained during this LSI do not indicate that the soils beneath the site are impacted with elevated concentrations of hazardous substances associated with the historic activities at the site. Based on the results of the LSI and previous UST investigation and removal activities performed by ECI in 1999, the documented USTs do not appear to constitute a REC to the site at this time.

#### **4.2.2 Fire Department**

The County of Riverside, Fire Department was contacted by letter regarding environmental records or information indicating environmental concerns for the site. At the issuance of this report, a response had not been received from this agency.

#### **4.2.3 Local/Regional Pollution Control Agency**

The California Department of Toxic Substances Control (DTSC) was contacted by letter regarding environmental records or information indicating environmental concerns for the site. According to staff, this agency has assigned an identification number to the site; although, the site has not been investigated by the agency and there are currently no records on file for the site. In addition, the agency stated that this former military facility is not considered a high priority for their office.

#### **4.2.4 Additional Information Sources**

The United States Army Corps of Engineers (USACE), Office of Counsel in Huntsville, Alabama was contacted by letter for information for the site, specifically with regards to Formerly Used Defense Sites (FUDS) information/records. The request was forwarded to USACE, Los Angeles District, Programs & Project Management Division. USACE provided Terracon with two project files; one for Rice Air Field and the other for Army Camp (Camp Rice). Although Camp Rice adjoins the site to the east, the western-most portion of Camp Rice extends onto the northeast portion of the site and is considered part of the site.

Based on review of the documents prepared for Rice Air Field, the improvements made to the property during military occupation included “three enlisted men’s barracks, three officers quarters and club, two lavatories, several bathhouses, mess hall, several kitchens, several warehouses, generator building, link trainer building, pump house, water tank (50,000-gallon) and tower, two runways (150-foot wide by 5,000-foot long), taxi ways, and a concrete apron for aircraft.” A site drainage and sewer system along with a water system, electric distribution system, and a gas fueling system were also installed at the site during the military occupation. The gas fueling system consisted of three 25,000-gallon tanks, one 12,000-gallon tank, station, and pumps. The documents also note the proposal to remove

and dispose of three 25,000-gallon UST, one 1,200-gallon UST, and one UST of unknown size; followed by the collection of soil samples and backfilling activities. It appears this document was prepared as a precursor to the investigation conducted by ECI, as discussed in Section 4.2.1. The documents obtained from USACE are included in Appendix C.

Based on review of the documents prepared for Army Camp (Camp Rice), the property is believed to have been utilized for camp purposes in the 1940s; and, although very little information is available for the property, the layout suggests motor pool, kitchen, and administrative areas were once present. In addition, the documents indicate that there may have been one or more ranges located directly south of the camp, as observations of expended bullets have been reported. A risk assessment was prepared for the property, which assessed the hazard severity and hazard probability associated with the potential for historical ordnance use at the property. The findings of this assessment determined that a significant, immediate risk was not identified. The documents obtained from USACE are included in Appendix C.

The USACE FUDS Geographic Information System (GIS) website ([rsgis.crrel.usace.army.mil/publicfuds](http://rsgis.crrel.usace.army.mil/publicfuds)) was researched regarding information for the site. Based on this research, information for the site was not identified.

In addition, USACE, Los Angeles District, Regulatory Division, referred Terracon to contact the Eastern Information Center, below.

The California Historical Resources Information System's Eastern Information Center (EIC) at University of California, Riverside was contacted by letter and telephone regarding records or information for the site. Based on a review of records provided by EIC, the University of California, Riverside, Archaeological Research Unit (ARU), performed an archaeological inspection, as requested by Consolidated Georex Geophysics, Inc., in 1983 regarding seismic testing for oil and gas exploration, which appeared to cross through the southeast corner of the site. The ARU inspection noted that neither archaeological nor significant historical resources were identified in the designated investigation area. Based on a review of this information, RECs were not identified for the site

The General Patton Memorial Museum in Chiriaco Summit, California was visited in-person regarding records or information for the site. Based on this research, information relevant to the site was not identified.

The Abandoned & Little-Known Airfields website ([airfields-freeman.com](http://airfields-freeman.com)) was researched regarding information for the site. According to this website, "Rice Municipal Airport" was acquired by the Army in 1942, indicating the site was a civil airport prior to this acquisition.

During its stint as a military airfield, the site consisted of two paved runways and barracks/dormitories that housed more than 3,000 individuals. The military operations at the site reportedly ceased by August 1944, and the airfield was declared surplus in October 1944. By 1949, the airfield was apparently utilized as a civil airport, Rice Airfield; and it was depicted as a private airfield by 1955. Subsequently, the airfield was apparently abandoned sometime before 1959. Based on a review of this information, RECs were not identified for the site.

#### 4.3 Records Review Summary

Based on review of available regulatory database information provided by EDR and inquiries to local/regional agencies for available records, the site was utilized as the Rice Municipal Airport prior to being acquired by the Army in 1942. During the military occupation, Rice Army Airfield consisted of three enlisted men's barracks, three officers quarters and club, two lavatories, several bathhouses, mess hall, several kitchens, several warehouses, generator building, link trainer building, pump house, water tank and tower, two runways, taxi ways, and a concrete apron for aircraft." A site drainage and sewer system along with a water system, electric distribution system, and a gas fueling system were also installed at the site during the military occupation. Military operations at the site reportedly ceased in 1944 and the site was utilized as a civilian and private airport until it was abandoned sometime prior to 1959.

### 5.0 SITE RECONNAISSANCE

#### 5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. Figure 2 in Appendix A is a diagram of the site. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix E. Credentials of the individuals planning and conducting the site visit are included in Appendix F.

#### General Site Information

Site Reconnaissance	
<i>Field Personnel</i>	Craig O'Rourke, Jeff Brenner, Jinny Park, and Anthony Wightman
<i>Reconnaissance Date</i>	February 2, 2009 and March 17, 2009
<i>Weather Conditions</i>	Sunny and warm
<i>Site Contact/Title</i>	N/A

Site Description	
<i>Site Name</i>	Former Rice Army Airfield
<i>Site Location/Address</i>	Highway 62, Mile Marker 109, Riverside County, California 92239
<i>Land Area</i>	Approximate 3,300-acre tract of land
<i>Other Site Improvements</i>	The site is currently vacant with remnant foundations and features from the past use as an airfield and army training camp.
<i>Zoning</i>	Zoning: W-2-10 – Controlled Development Area and N-A – Natural Asset Land Use: OS-RUR – Open Space, Rural
<i>Site Topographic Relief</i>	Generally towards the south
Site Utilities	
<i>Electricity</i>	N/A
<i>Drinking Water</i>	N/A
<i>Wastewater</i>	N/A
<i>Natural Gas</i>	N/A

## 5.2 General Description of Site, Occupants, and Operations

The site is located south of Highway 62 at Mile Marker 109 in Riverside County, California. The site consists of an approximate 3,300-acre tract of land that was historically utilized as a military airfield / training camp (Rice Army Airfield) and, subsequently, a public, civilian airport facility (Rice Airfield). The site is currently vacant; however, remnant features from the former airfield remain.

## 5.3 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an “X”) are discussed in more detail following the table.

### Site Characteristics

Category	Item or Feature	Observed
<b>Site Operations, Processes, and Equipment</b>	Emergency generators	
	Elevators	
	Air compressors	
	Hydraulic lifts	
	Dry cleaning	
	Photo processing	
	Laboratory hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	
	Heating and/or cooling systems	
	Other processes or equipment	

Category	Item or Feature	Observed
<b>Aboveground Chemical or Waste Storage</b>	Aboveground storage tanks	
	Drums, barrels, and/or containers $\geq$ 5 gallons	X
	MSDS	
<b>Underground Chemical or Waste Storage, Drainage, or Collection Systems</b>	Underground storage tanks or ancillary UST equipment	X
	Sumps, cisterns, catch basins, and/or dry wells	X
	Grease traps	
	Septic tanks and/or leach fields	
	Oil/water separators	
	Pipeline markers	
	Interior floor drains	X
<b>Electrical Transformers/ PCBs</b>	Pad or pole mounted transformers and/or capacitors	
	Other equipment	
<b>Releases or Potential Releases</b>	Stressed vegetation	
	Stained soil	X
	Stained pavement or similar surface	
	Leachate and/or waste seeps	
	Trash, debris, and/or other waste materials	X
	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	X
	Surface water discoloration, odor, sheen, and/or free floating product	
	Strong, pungent, or noxious odors	
Exterior pipe discharges and/or other effluent discharges		
<b>Other Notable Site Features</b>	Surface water bodies	
	Quarries or pits	X
	Wells	X

### **Aboveground Chemical or Waste Storage**

#### Drums, barrels, and/or containers $\geq$ 5 gallons

During the site reconnaissance, approximately seven containers, ranging from 5 to 55 gallons each, were observed throughout the site. Based on visual observations, the containers were severely rusted and degraded; and, in some cases, only remnants or portions of the containers were observed. The use and origin of the containers could not be identified and some appear to have been brought on-site for target practice by recreational gun enthusiasts. Product was not observed in any of the containers, and the former contents could not be identified. Evidence of staining or releases associated with the containers was not identified during the site reconnaissance. Based on the absence of an observed release and the limited number of containers, RECs associated with the containers were not identified for the site.

## **Underground Chemical or Waste Storage, Drainage or Collection Systems**

### Underground storage tanks or ancillary UST equipment

During the site reconnaissance, several exposed subsurface pipes were observed, including a pipe stub near a shallow pit in the central portion of the airfield that may have been associated with a former UST and two pipe stubs located in the northern portion of the site that the potential use is unknown. Soil samples were collected in the vicinity of the pipe stub located in the central portion of the airfield and analyzed for volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons by carbon chain (TPH-CC). Concentrations at or above the laboratory reporting limits for these constituents were not detected. Based on the analytical results, it is unlikely that a release is associated with the pipe stub in the central portion of the airfield and it does not constitute a REC at this time.

### Sumps, cisterns, catch basins, and/or dry wells

During the site reconnaissance, several wood-lined features were observed adjacent to concrete pads that were formerly used for small structure foundations. The wood-lined features measured approximately 2-3 feet square by approximately 1-2 feet deep, and the concrete pads ranged from approximately 8-12 feet wide by approximately 10-20 feet long. Several of the concrete pads contained features that indicated the structures formerly located on the pads were associated with restroom and/or shower facilities; and the wood-lined features may have been associated with sump and/or drainage systems. Two of the concrete pads were observed with rust stains that appeared to be associated with the storage of 55-gallon drums. During the LSI conducted at the site by Terracon in June 2009, soil samples were collected near one of the concrete pads exhibiting rust stains. The samples were analyzed for VOCs, PCBs, and TPH-CC. The presence of these constituents was not detected at or above their respective laboratory detection limits in the soil samples collected from this area. Based on the results of the analytical testing and/or apparent restroom/shower-associated usage, RECs associated with the wood-lined features or the stained concrete pads were not identified for the site.

### Interior floor drains

Floor drains were observed in one of the concrete foundations located at the northwest portion of the site (Photograph 19). Evidence of staining or releases in the vicinity of the floor drains were not identified during the site reconnaissance and RECs associated with the floor drains were not identified for the site.

## Releases or Potential Releases

### Stained soil

Stained soil was observed in several areas during the site reconnaissance. The stained soil appeared to be due to the burning of materials directly on the soil and have been identified on Figure 2 as "Burn Areas". Soil samples were collected from the Burn Areas and analyzed for VOCs, semi-volatile organic compounds (SVOCs), and PCBs in the Limited Site Investigation performed by Terracon (Attachment 1). The presence of VOCs, SVOCs, or PCBs was not detected at or above their respective laboratory detection limits in the soil samples collected from the burn areas. Based on the results of the analytical testing, the stained soil/burn areas do not constitute a REC for the site.

### Trash, debris, and/or other waste materials

Trash consisting of cans, glass bottles, and assorted other materials were observed throughout the site. The trash materials did not appear to be hazardous in nature; and do not represent a REC for the site.

### Construction/demolition debris and/or dumped fill dirt

A large mound of soil was observed east of the eastern runway (Photograph #3). Subsequent to the LSI effort, additional historical records were obtained and provided by the client identifying the soil mound located east of the eastern runway as a possible "firing butt" that may have been used as a place to which aircraft could taxi to test their nose and wing guns without taking off, by firing into a soil mound at the margins of the runway and hardstand area (*The Desert Training Center / California-Arizona Maneuver Area, 1942-1944, Historical and Archaeological Contexts, Statistical Research, Inc., 2000*). Based on the potential for fired ammunition rounds and hazardous substance byproducts, such as lead, to be present within the mound, this feature constitutes a REC and further investigation is recommended prior to site development.

## Other Notable Site Features

### Quarries or pits

Several pits were observed during the site reconnaissance (Figure 2 and Photolog). These pits included rock-filled pits in the western-central portion of the site and throughout the northern portion of the site that measured approximately 20- to 30-feet long by approximately 10-feet wide by approximately 7- to 10-feet deep, a wood-lined pit at the northeast corner of the concrete apron in the northern portion of the site that measured approximately 5- to 6-feet square by approximately 8- to 10-feet deep, and a deep pit in the western-central portion of the site that measured approximately 5- to 6-feet square by approximately 10- to 12-feet deep. Soil samples were collected in the vicinity of several of

the rock-filled pits, the wood-lined pit, and the deep pit. Each of the soil samples collected were analyzed for VOCs, PCBs, and TPH-CC. Concentrations at or above the respective laboratory detection limits for each constituent were not detected, with the exception of the following. A trace amount of petroleum hydrocarbons was detected in a soil sample collected from the bottom of the wood-lined pit. Based on the results of the analytical testing, the pits do not constitute a REC.

#### Wells

Three wells were observed at the site. Two wells, located east of the airfield, were welded shut or locked. Based on review of a well completion log completed by Azca Drilling & Pump, Inc., the locked well appears to be identified as Kennedy Well #2, and was installed on August 15, 2008 to a depth of 985 feet bgs. No information was available regarding the other well. A third well was observed northwest of the intersection of the main access road and the main apron (Photo #11). Based on review of the URS Phase I ESA report (Section 3.10), this well was reportedly used during the operation of the Airfield. The wells do not constitute RECs; however, the well located near the main apron should be properly abandoned or sealed.

### **5.4 Site Reconnaissance Summary**

Based on visual observations at the time of the site reconnaissance and the results of a Limited Site Investigation performed by Terracon (Attachment 1), one REC was identified for the site. Subsequent to the LSI effort, additional historical records were obtained and provided by the client identifying a soil mound located east of the eastern runway as a possible "firing butt" that may have been used as a place for aircraft to test guns prior to taking off. Based on the potential for fired rounds and hazardous substance byproducts, such as lead, to be present within the soil mound, this feature constitutes a REC and further investigation is recommended prior to site development.

### **6.0 ADJOINING PROPERTY RECONNAISSANCE**

Visual observations of adjoining properties (from site boundaries) are summarized below.

#### **Adjoining Properties**

<b>Direction</b>	<b>Description</b>
North	Highway 62 followed by vacant land, a portion of the Colorado Aqueduct, and AT&SF Railroad.
East	Vacant land

Direction	Description
South	Vacant land
West	Vacant land and a portion of the AT&SF Railroad.

Based on visual observations at the time of the site reconnaissance, indications of RECs associated with the adjoining properties were not identified for the site.

## 7.0 ADDITIONAL SERVICES

Per the agreed scope of services specified in the proposal, additional services (e.g., asbestos sampling, lead-based paint sampling, wetlands evaluation, lead in drinking water testing, radon testing, etc.) were not conducted.

## 8.0 FINDINGS AND CONCLUSIONS

### 8.1 Findings and Conclusions

This Phase I ESA was performed in accordance with our proposal dated February 16, 2009, and was conducted consistent with the procedures included in ASTM E 1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The ESA was prepared in support of the Rice Solar Energy, LLC application for certification (AFC) to the California Energy Commission for development of a 150 MW solar energy facility at the site. The ESA was conducted under the supervision or responsible charge of Craig O'Rourke, CHMM, Environmental Professional. Craig O'Rourke, Jeff Brenner, Jinny Park, and Anthony Wightman performed the site reconnaissance on February 4, 2009; and Jinny Park and Anthony Wightman performed an additional site reconnaissance on March 17, 2009.

A cursory summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

- The site is located south of Highway 62 at Mile Marker 109 in Riverside County, California. The site consists of an approximate 3,300-acre tract of land that was historically utilized for a few years as a municipal airport and as a military airfield / training camp (Rice Army Airfield) and, subsequently, a public, civilian airport facility (Rice Airfield). The site is currently vacant; however, remnant features from the former airfield remain.

- Based on visual observations at the time of the site reconnaissance and the results of a Limited Site Investigation performed by Terracon (Attachment 1), RECs were not identified for the site.
- Based on review of the historical information, the site was historically utilized for a few years as a municipal airport and as a military airfield / training camp (Rice Army Airfield) in the early-1940s and, subsequently, a public, civilian airport facility (Rice Airfield) until the 1950s. This site consists of two runways and associated apron and taxiways. During the military occupation, the Airfield was also developed with barracks, and several small buildings on concrete foundations. The site is currently vacant; however, remnant features from the former airfield remain.
- Based on visual observations at the time of the site reconnaissance, indications of RECs associated with the adjoining properties were not identified for the site.
- Based on review of available regulatory database information provided by EDR and inquiries to local/regional agencies for available records, the site was utilized as the Rice Municipal Airport prior to being acquired by the Army in 1942. During the military occupation, Rice Army Airfield consisted of three enlisted men's barracks, three officers quarters and club, two lavatories, several bathhouses, mess hall, several kitchens, several warehouses, generator building, link trainer building, pump house, water tank and tower, two runways, taxi ways, and a concrete apron for aircraft." A site drainage and sewer system along with a water system, electric distribution system, and a gas fueling system were also installed at the site during the military occupation. Military operations at the site reportedly ceased in 1944 and the site was utilized as a civilian and private airport until it was abandoned sometime prior to 1959.
- Terracon reviewed a UST closure report for the site, titled "Removal and Disposal of One 5,000 Gallon Steel Underground Storage Tank and One 350 Gallon and Two 500 Gallon Concrete Septic Tanks," prepared by ECI. According to this report, ECI excavated and removed one 5,000-gallon steel UST and three concrete septic tanks (used for fuel storage) in February 1999. Total recoverable petroleum hydrocarbons and total petroleum hydrocarbons as diesel were detected in concentrations of 435 and 426 milligrams per kilogram, respectively, in soil samples collected from one of the septic tank locations. In March 1999, ECI reportedly excavated the contaminated soil in the septic tank location to approximately 15 feet bgs. Confirmation samples reportedly indicated that all the contaminated soil had been removed. Subsequently, the County of Riverside Department of Environmental Health issued a no further action letter for the septic tank on March 17, 1999.
- According to a 2008 URS Draft ESA Report, the Rice Airfield was used by the United States military from 1942 to 1944 as part of the Desert Training Center and consisted

of army barracks, hangars, other aircraft structures, recreation and mess areas, and other facilities with the capacity to house 3,000 troops. Information or documentation regarding closure of several USTs was unavailable and URS noted the lack of documentation as a REC. URS also identified the following as RECs: oily gravel on the former runways and access road, burned debris piles, potential for unexploded ordnance (UXO), and the Rice Camp (Army) listing in the ENVIROSTOR database. URS recommended further research of the operations at the historical Rice Army Airfield to evaluate the potential for impact to soil or groundwater beneath the site.

- In June 2009, Terracon performed a Limited Site Investigation (Attachment 1) to address the areas of potential concern identified through our site reconnaissance and review of site related documentation, including the RECs identified in the draft URS report. Soil samples were collected from the several locations along the former runways and in two of the burned debris pile areas. Based on the results of the laboratory analytical results, the oily gravel on the former runways and access road and the burned debris piles do not constitute RECs. Additional samples were collected in the vicinity of areas of rock pits, aprons, tie-down areas, pits, and other areas of potential concern. The analytical results obtained during this LSI do not indicate that the soils beneath the site are impacted with elevated concentrations of hazardous substances associated with the historic activities at the site.
- Subsequent to the LSI effort, additional historical records were obtained and provided by the client identifying a soil mound located east of the eastern runway of the eastern runway as a possible “firing butt” that may have been used as a place for aircraft to test guns prior to taking off. Based on the potential for fired rounds and hazardous substance byproducts, such as lead, to be present within the soil mound, this feature constitutes a REC and further investigation is recommended prior to site development.

## Recommendations

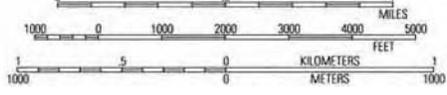
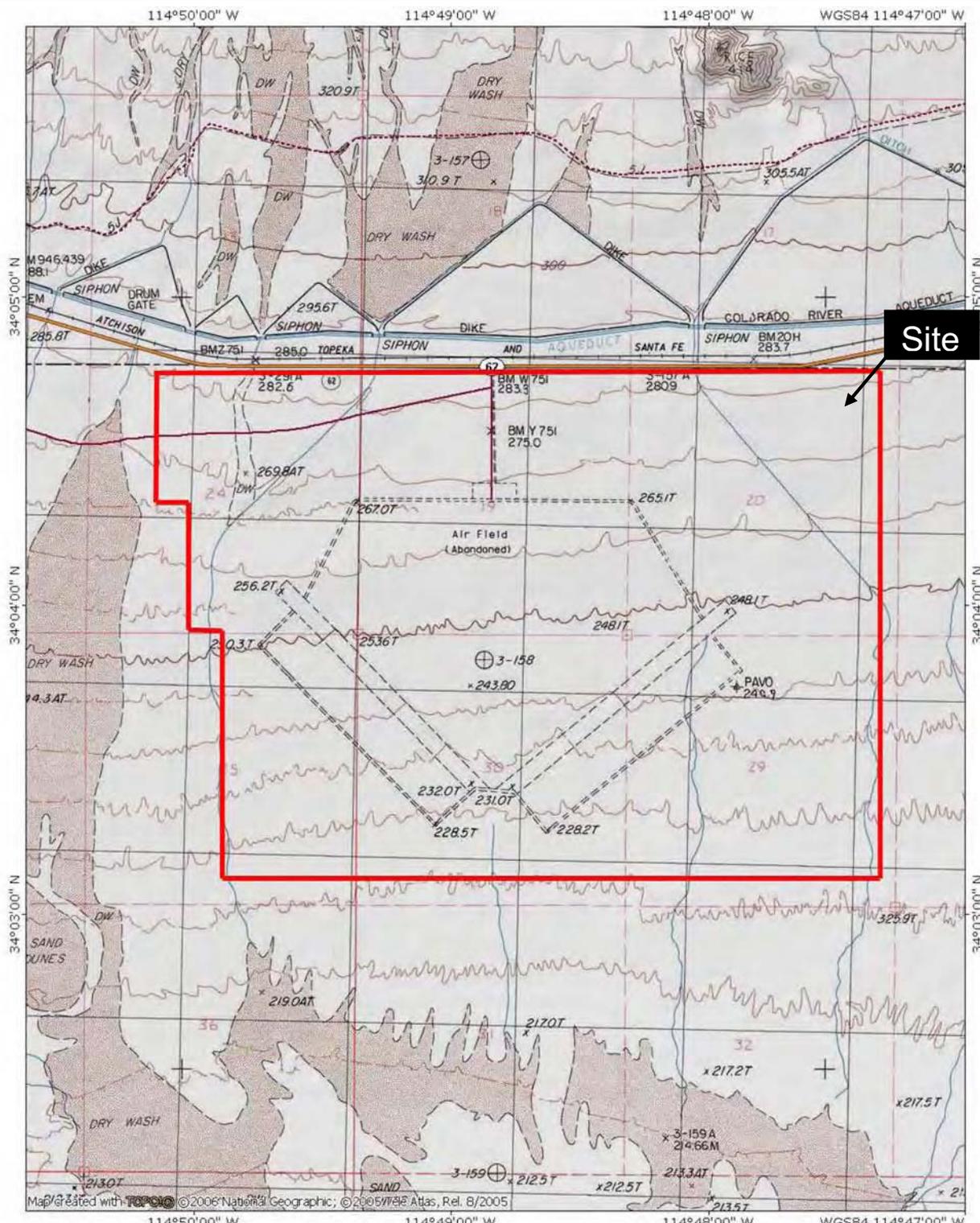
Based on the scope of services, limitations, and findings of this assessment, Terracon identified one REC which, in our opinion, warrants additional investigation at this time. Terracon recommends that the soil mound located east of the eastern runway be investigated for the potential presence of fired ammunition rounds and potential contaminants from the fired rounds, including lead.

## 9.0 DECLARATION

I, Craig O'Rourke, CHMM, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a site of the nature, history, and setting of the subject site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practice set forth in 40 CFR Part 312.

## **APPENDIX A**

**Figure 1 – Topographic Map, Figure 2 – Site Diagram**



TN+1MN  
12 1/2°  
03/25/09

Reference: USGS Rice, California,  
7.5-minute Quadrangle (Photorevised 1983)

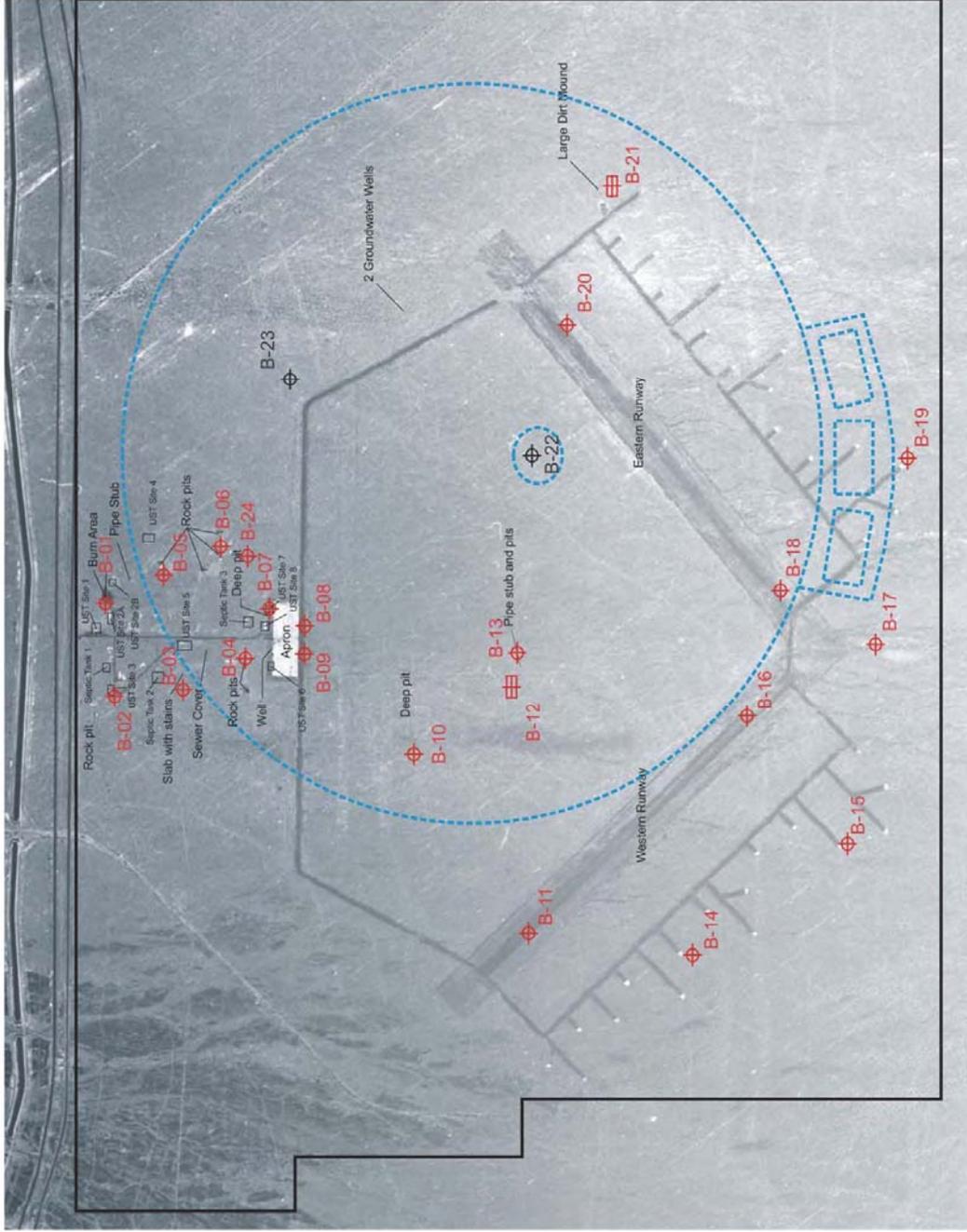


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES.

### TOPOGRAPHIC MAP

Former Rice Army Airfield  
Highway 62, Mile Marker 109  
Riverside County, California 92239

Project Mngr:	JP	<p>16662 Millikan Avenue Irvine, California 92606 949-660-9718 Fax: 949-660-9732</p>	Project No.	60097721
Designed By:	AW		Scale:	See scale
Checked By:	CO		Date:	03/25/2009
Approved By:	CO		Drawn By:	NA
File Name:	60097721-Former Rice Airfield-Figure 1 Topo		Figure No.	1



<b>SITE DIAGRAM</b> FORMER RICE ARMY AIRFIELD HIGHWAY 63 MILE MARKER 109 RIVERSIDE COUNTY CALIFORNIA 92239 Prepared for Rice Solar Energy, LLC.		Project No: 60097721 Scale: Not to Scale Date: 7/29/2009 Drawn By: JP/AW Plot No: 2
Project Mgr:	AW	Project No:
Designed By:	JP	Scale:
Checked By:	CO	Date:
Approved By:	CO	Drawn By:
File Name:	60097721-Former Rice Airfield-Figure 2 Site Diagram	Plot No:

**LEGEND:**

⊕ B-21 Approximate Boring Locations

⊕ B-12 Approximate Test Pit Locations

**NOTE:**  
 Borings in black were performed for the Geotechnical Investigation and are provided under separate cover.  
 DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

## **APPENDIX B**

### **Description of Terms and Acronyms**

## Description of Selected General Terms and Acronyms

Term/Acronym	Description
ACM	<p>Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining).</p> <p>Regulatory agencies have generally defined ACM as a material containing greater than one (1) percent asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogeneous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogeneous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable.</p> <p>Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM becomes damaged or is likely to be disturbed or damaged during demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.</p>
AHERA	Asbestos Hazard Emergency Response Act
AST	Aboveground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents, and the jurisdiction of its location.
BGS	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.
CFR	Code of Federal Regulations
DOT	U.S. Department of Transportation
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.
ESA	Environmental Site Assessment
FRP	Fiberglass Reinforced Plastic
Hazardous Substance	As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clean Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term does not include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).

Term/Acronym	Description
Hazardous Waste	This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a "solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed."
HREC	Historical Recognized Environmental Condition. Environmental condition which in the past would have been considered a recognized environmental condition (REC), but which may or may not be considered a REC currently. The final decision rests with the environmental professional and will be influenced by the current impact of the HREC on the property. If a past release of any hazardous substances or petroleum products has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidence by the issuance of a no further action letter or equivalent), this condition shall be considered an historical recognized environmental condition.
ILP	Innocent Landowner/Operator Program
LUST	Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.
MCL	Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a groundwater cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.
MSDS	Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers that identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard.
NESHAP	National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.
NFRAP	Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report.
NOV	Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.
NPDES	National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.
NPL	National Priorities List, as more particularly described under the Records Review section of this report.
OSHA	Occupational Safety and Health Administration or Occupational Safety and Health Act
PACM	Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.
PCB	Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.
pCi/l	picoCuries per liter of air. Unit of measurement for Radon and similar radioactive materials.
PLM	Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)
PST	Petroleum Storage Tank. An AST or UST that contains a petroleum product.
Radon	A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in picoCuries per liter of air. Exposure to elevated levels of radon creates a risk of lung cancer: this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and groundwater. The EPA recommended annual average indoor "action level" concentration for residential structures is 4.0 pCi/l.
RCRA	Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal ("cradle to grave"). 42 U.S.C. 6901 et seq.
RCRA Generators	The RCRA generators list is part of the RCRIS database maintained by EPA and lists facilities that generate hazardous waste as part of their normal business operations, as more particularly defined under Section 5.0 of this report. There are LQG - large quantity generators; SQG - small quantity generators; and CEG - conditionally exempt generators.

Term/Acronym	Description
RCRA CORRACTS/TSDs	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials, which are undergoing "corrective action". A "corrective action" order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.
RCRA Non-CORRACTS/TSDs	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities that report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.
RCRA Violators List	RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.
RCRIS	Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.
REC	Recognized Environmental Condition is defined by ASTM E 1527-00 as "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 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 or petroleum products even under conditions of compliance with laws. The term is not intended to include <i>de minimis</i> conditions that generally do not present a material risk of harm to the 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.
SCL	State "CERCLIS" List (see SPL /State Priority List, below).
SPCC	Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility having petroleum AST with an aggregate capacity of over 1320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.
SPL	State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State "CERCLIS" List.
SWLF	Solid Waste Landfill Facility. A Vista Information Solutions, Inc. database of solid waste landfill facilities listed by state.
TPH	Total Petroleum Hydrocarbons
TRI	Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.
TSCA	Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.
USACE	United States Army Corps of Engineers
USC	United States Code
USGS	United States Geological Survey
USNRCS	United States Department of Agriculture-Natural Resource Conservation Service
UST	Underground Storage Tank. Most federal and state regulations, as well as ASTM E 1527, define this as any tank, including, underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound
Wetlands	Areas that are typically saturated with surface or groundwater that create an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The Corps of Engineers Wetlands Delineation Manual (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present.  The federal Clean Water Act, which regulates "waters of the US," also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U.S.; (5)

<b>Term/Acronym</b>	<b>Description</b>
	tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.

<b>California Term/Acronym</b>	<b>Description</b>
AST	Aboveground Petroleum Storage Tank Facilities
AWP	Annual Workplan Sites
CAL/EPA	California Environmental Protection Agency
CA BOND EXP. PLAN	Bond Expenditure Plan
CA FID UST	Facility inventory database of active and inactive UST locations
Cal-Sites	Calsites Database
CA SLIC	Spills, Leaks, Investigation and Cleanup Cost Recovery Listing
CA WDS	Waste Discharge System
CHMIRS	California Hazardous Material Incident Report System
CLEANERS	Cleaner Facilities
Cortese	Database of contaminated drinking water wells, hazardous substance sites, sites with known toxic material identified through the abandoned sites program, sites with USTs having reportable releases and all solid waste disposal facilities from which there has been known migration.
DEED	List of Deed Restrictions
DTSC	Department of Toxic Substances Control
INDIAN UST	UST on Indian Land
INDIAN LUST	Leaking UST on Indian Land
LUST	Leaking Underground Storage Tank Incident Reports
Notify 65	Proposition 65 Records
NFA	No Further Action Determination
SCH	School Property Evaluation Program
SWF/LF	Solid Waste Information System
SWRCB	California State Water Resources Control Board
Toxic Pits	Toxic Pits Cleanup Act Sites
VCP	Voluntary Cleanup Program
WMUDS/SWAT	Waste Management Unit Database/Solid Waste Assessment Test

## **APPENDIX C**

### **Historical Documentation**



**Former Rice Airfield**

Hwy 62, Mile Marker 109

Rice, CA 92239

Inquiry Number: 2438602.5

March 12, 2009

## The EDR Aerial Photo Decade Package



440 Wheelers Farms Road  
Milford, CT 06461  
800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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**Date EDR Searched Historical Sources:**

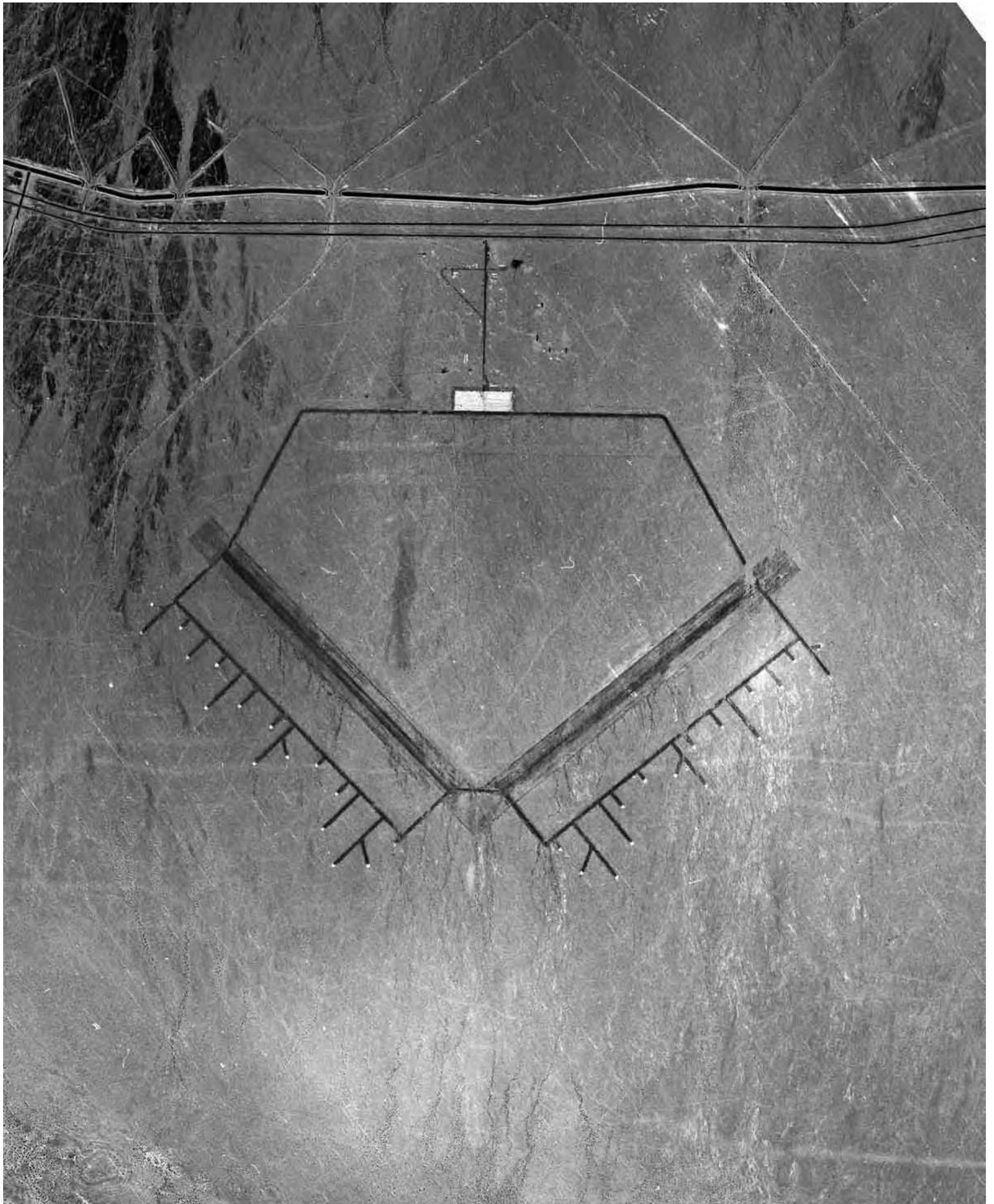
Aerial Photography March 12, 2009

**Target Property:**

Hwy 62, Mile Marker 109

Rice, CA 92239

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1972	Aerial Photograph. Scale: 1"=1500'	Flight Year: 1972	Teledyne
1996	Aerial Photograph. Scale: 1"=1500'	Flight Year: 1996 Best Copy Available from original source	USGS
2002	Aerial Photograph. Scale: 1"=1500'	Flight Year: 2002	USGS
2005	Aerial Photograph. Scale: 1"=484'	Flight Year: 2005	EDR

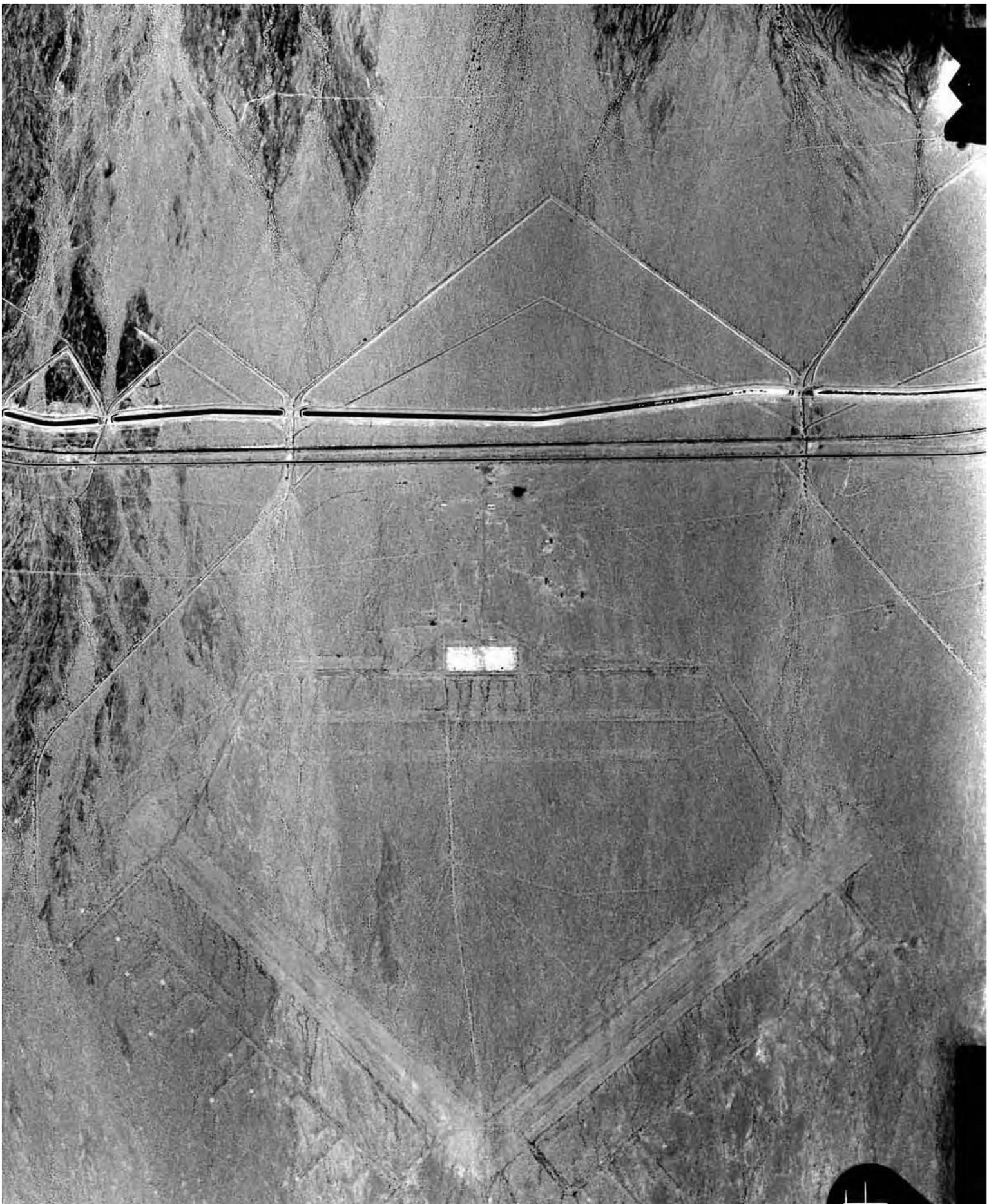


**INQUIRY #:** 2438602.5

**YEAR:** 1972

| = 1500'



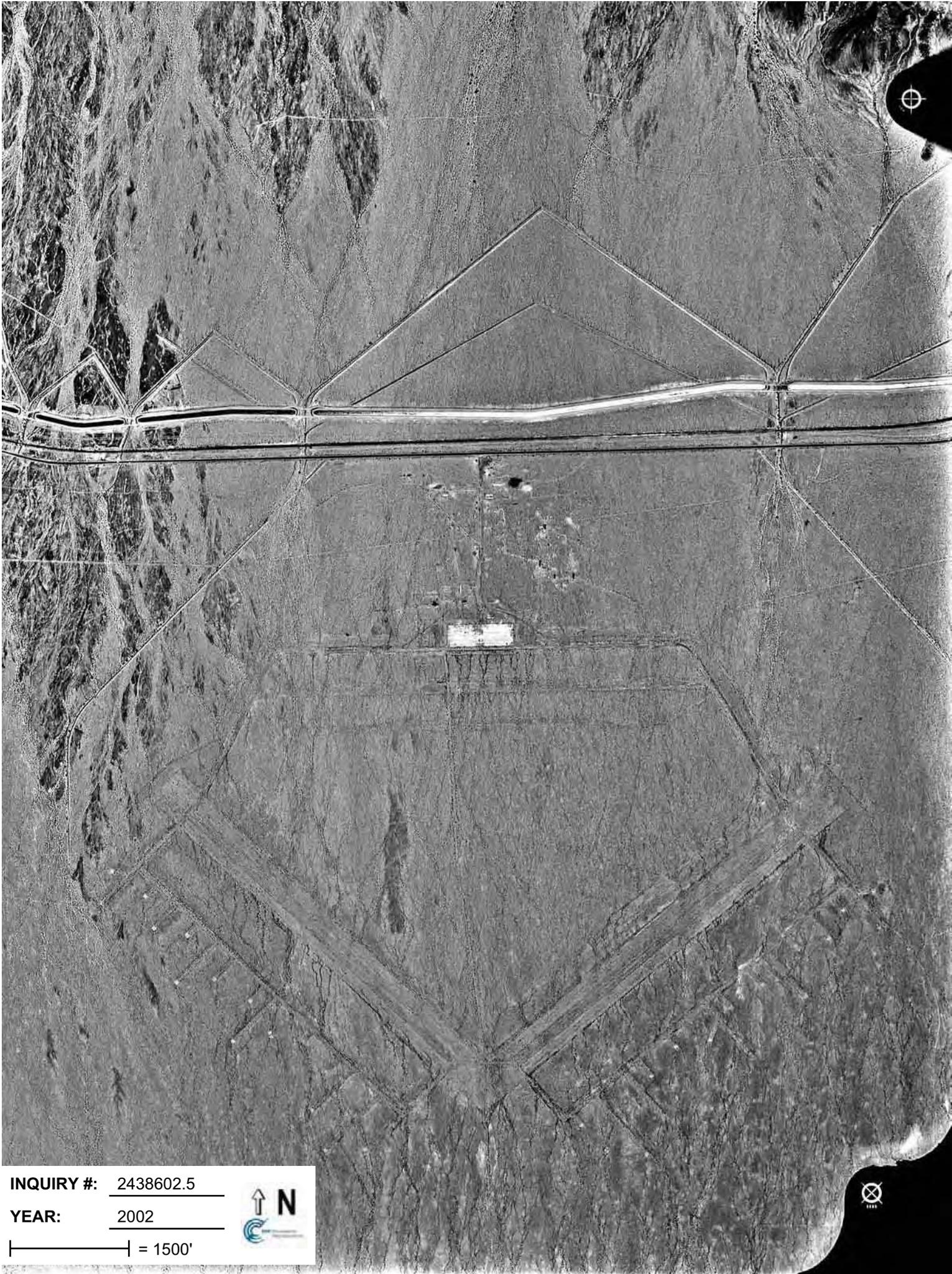


**INQUIRY #:** 2438602.5

**YEAR:** 1996

| = 1500'





**INQUIRY #:** 2438602.5

**YEAR:** 2002

| = 1500'



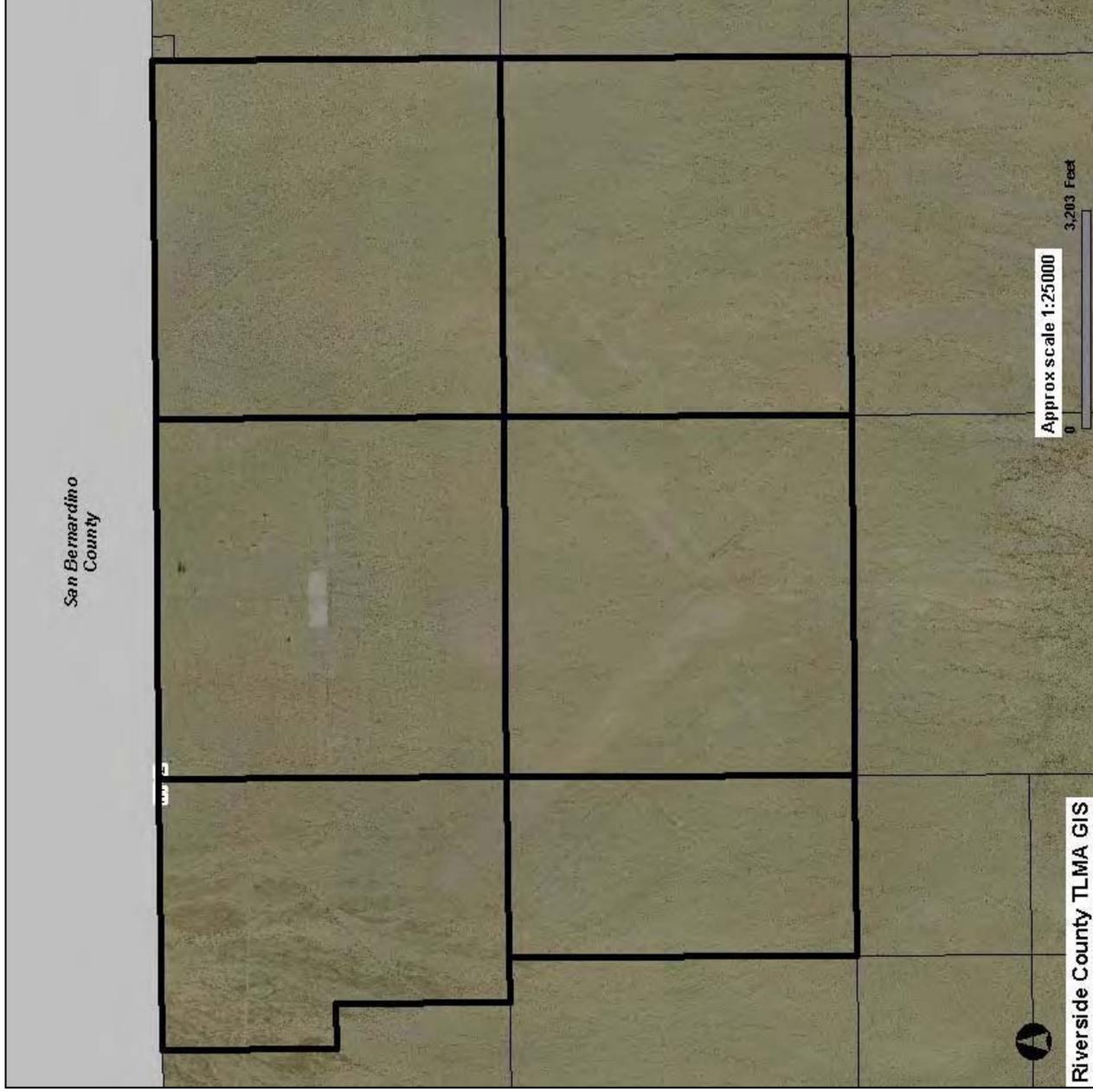
**INQUIRY #:** 2438602.5

**YEAR:** 2005

| = 484'



# RIVERSIDE COUNTY GIS





SELECTED PARCEL

PARCELS

CITY BOUNDARY

**\*IMPORTANT\***

This information is made available through the Riverside County Geographic Information System. The information is for reference purposes only. It is intended to be used as base level information only and is not intended to replace any recorded documents or other public records. Contact appropriate County Department or Agency if necessary. Reference to recorded documents and public records may be necessary and is advisable.

**FULL REPORT**

APN(s):

[801-042-004-9](#) [801-062-012-8](#) [801-070-003-5](#) [801-070-004-6](#)  
[801-100-005-9](#) [801-100-006-0](#)

OWNER NAME:

- NOT AVAILABLE ONLINE

ADDRESS:

- 801-042-004  
ADDRESS NOT AVAILABLE

- 801-062-012  
ADDRESS NOT AVAILABLE

- 801-070-003  
ADDRESS NOT AVAILABLE

- 801-070-004  
ADDRESS NOT AVAILABLE

- 801-100-005  
ADDRESS NOT AVAILABLE

- 801-100-006  
ADDRESS NOT AVAILABLE

MAIL TO NAME/ADDRESS:

- 801-042-004  
- (SEE OWNER)  
- 22 VISTA ENCANTADA  
- RANCHO MIRAGE CA. 92270

- 801-062-012  
- (SEE OWNER)  
- 22 VISTA ENCANTADA  
- RANCHO MIRAGE CA. 92270

- 801-070-003  
- (SEE OWNER)  
- 22 VISTA ENCANTADA  
- RANCHO MIRAGE CA. 92270

- 801-070-004  
- (SEE OWNER)  
- 22 VISTA ENCANTADA  
- RANCHO MIRAGE CA. 92270

- 801-100-005  
- (SEE OWNER)  
- 22 VISTA ENCANTADA  
- RANCHO MIRAGE CA. 92270

- 801-100-006

- (SEE OWNER)
- 22 VISTA ENCANTADA
- RANCHO MIRAGE CA. 92270

APN CAME FROM:

- 801-042-004
- CAME FROM: 801-042-001
- 801-062-012
- CAME FROM: 801-062-001
- 801-070-003
- CAME FROM: 801-070-001
- 801-070-004
- CAME FROM: 801-070-002
- 801-100-005
- CAME FROM: 801-100-003
- 801-100-006
- CAME FROM: 801-100-001

LOT SIZE:

- 801-042-004
- RECORDED LOT SIZE IS: 440 ACRES
- 801-062-012
- RECORDED LOT SIZE IS: 320 ACRES
- 801-070-003
- RECORDED LOT SIZE IS: 642.46 ACRES
- 801-070-004
- RECORDED LOT SIZE IS: 640 ACRES
- 801-100-005
- RECORDED LOT SIZE IS: 640 ACRES
- 801-100-006
- RECORDED LOT SIZE IS: 642.14 ACRES

PROPERTY CHARACTERISTICS:

- 1. 801-042-004
- NO PROPERTY DESCRIPTION AVAILABLE
- 2. 801-062-012
- NO PROPERTY DESCRIPTION AVAILABLE
- 3. 801-070-003
- NO PROPERTY DESCRIPTION AVAILABLE
- 4. 801-070-004
- NO PROPERTY DESCRIPTION AVAILABLE
- 5. 801-100-005
- NO PROPERTY DESCRIPTION AVAILABLE
- 6. 801-100-006
- NO PROPERTY DESCRIPTION AVAILABLE

ELEVATION (APPROXIMATE):

- 740/932 FEET

LEGAL DESCRIPTION:

- APN: 801042004
- RECORDED BOOK/PAGE: NOT AVAILABLE
- SUBDIVISION NAME: NOT AVAILABLE
- LOT/PARCEL: NOT AVAILABLE
- TRACT NUMBER: NOT AVAILABLE
  
- APN: 801062012
- RECORDED BOOK/PAGE: NOT AVAILABLE
- SUBDIVISION NAME: NOT AVAILABLE
- LOT/PARCEL: NOT AVAILABLE
- TRACT NUMBER: NOT AVAILABLE
  
- APN: 801070003
- RECORDED BOOK/PAGE: NOT AVAILABLE
- SUBDIVISION NAME: NOT AVAILABLE
- LOT/PARCEL: NOT AVAILABLE
- TRACT NUMBER: NOT AVAILABLE
  
- APN: 801070004
- RECORDED BOOK/PAGE: NOT AVAILABLE
- SUBDIVISION NAME: NOT AVAILABLE
- LOT/PARCEL: NOT AVAILABLE
- TRACT NUMBER: NOT AVAILABLE
  
- APN: 801100005
- RECORDED BOOK/PAGE: NOT AVAILABLE
- SUBDIVISION NAME: NOT AVAILABLE
- LOT/PARCEL: NOT AVAILABLE
- TRACT NUMBER: NOT AVAILABLE
  
- APN: 801100006
- RECORDED BOOK/PAGE: NOT AVAILABLE
- SUBDIVISION NAME: NOT AVAILABLE
- LOT/PARCEL: NOT AVAILABLE
- TRACT NUMBER: NOT AVAILABLE

BASE YEAR ASSESSMENT:

- 801-042-004
- BASE YEAR: 2007
  
- 801-062-012
- BASE YEAR: 2007
  
- 801-070-003
- BASE YEAR: 2007
  
- 801-070-004
- BASE YEAR: 2007
  
- 801-100-005
- BASE YEAR: 2007
  
- 801-100-006
- BASE YEAR: 2007

TOWNSHIP/RANGE:

- T1SR20E SEC 24
- T1SR20E SEC 25
- T1SR21E SEC 19
- T1SR21E SEC 20
- T1SR21E SEC 29
- T1SR21E SEC 30

CEMETERY DISTRICTS:

- PALO VERDE CEMETERY DISTRICT

CITY BOUNDARY/SPHERE:

- CITY: NOT WITHIN A CITY
- CITY SPHERE: NOT WITHIN A SPHERE
- ANNEXATION DATE: NO DATE AVAILABLE
- LAFCO CASE #: NO CASE # AVAILABLE
- PROPOSALS: NONE

COMMUNITY:

- IN OR PARTIALLY WITHIN PALEN. SEE MAP FOR MORE INFORMATION.

2001 SUPERVISORIAL DISTRICT:

- ROY WILSON, DISTRICT 4  
as established by County Ordinance 813, August 14, 2001

AREA PLAN:

- EAST COUNTY - DESERT AREA

COACHELLA VALLEY MULTI-SPECIES HABITAT - NOT WITHIN THE COACHELLA VALLEY MSHCP FEE AREA CONSERVATION PLAN FEE AREA:

COACHELLA VALLEY MULTI-SPECIES HABITAT - NOT IN A CONSERVATION AREA CONSERVATION PLAN - CONSERVATION AREA:

WESTERN RIVERSIDE MULTI-SPECIES HABITAT CONSERVATION PLAN FEE AREA:

- NOT WITHIN THE WESTERN RIVERSIDE COUNTY MSHCP FEE AREA

WESTERN RIVERSIDE COUNTY MSHCP AREA PLAN:

- NOT IN AN AREAPLAN

WESTERN RIVERSIDE COUNTY MSHCP CELL GROUP:

- NOT IN A CELLGROUP

WESTERN RIVERSIDE COUNTY MSHCP CELL NUMBER:

- NOT IN A CELL

IMPORTANT NOTICE: On October 7, 2003, the County of Riverside adopted a new General Plan. The General Plan provides new land use designations for all parcels in the unincorporated area of Riverside County. For any parcel, the General Plan may provide for a different type of land use than is provided for under existing zoning. During the next one to two years, the County will undertake a program to review all the zoning in the unincorporated area, and where necessary, change the zoning, following advertised public hearings, to conform to the County's new General Plan. Until then, please be advised that there may be a difference between the zoning and General Plan designations on any parcel. This may result in, at a minimum, the need to change the zoning before desired development may proceed. For further information, please contact the Riverside County Planning Department offices in Riverside at (951) 955-3200, in Murrieta at (951) 600-6170, or in Indio at (760) 863-8277 .:

LANDUSE DESIGNATION:

Click [here](#) for landuse descriptions.

- OS-RUR
- CHECK MAP TO CONFIRM LANDUSE DESIGNATION
- FOR MORE INFORMATION ABOUT LANDUSE DESIGNATIONS, CALL THE COUNTY'S PLANNING DEPARTMENT AT 951-955-3200.

ZONING CLASSIFICATION(S) ORD. 348:

Click [here](#) for zoning classifications.

- N-A
- W-2-10
- CHECK MAP TO CONFIRM ZONING CLASSIFICATIONS
- FOR MORE INFORMATION ABOUT ZONING CLASSIFICATIONS, CALL THE COUNTY'S PLANNING DEPARTMENT AT 951-955-3200.

ZONING DISTRICT/AREA: - CHUCKAWALLA AREA

OUTDOOR BILLBOARDS: - BILLBOARDS NOT PERMITTED BY ZONING

SPECIFIC PLAN: - NOT WITHIN A SPECIFIC PLAN

NOTE: Non-mapped Policy Area issues may exist on this parcel. Please contact the Planning Department at (951)955-3200 for more information.  
MAPPED POLICY AREAS: - NONE

GENERAL PLAN POLICY OVERLAY: - NOT IN A GENERAL PLAN POLICY OVERLAY AREA

DEVELOPMENT AGREEMENT #: - NOT IN A DEVELOPMENT AGREEMENT AREA

REDEVELOPMENT AREAS: - NOT IN A REDEVELOPMENT AREA

AGRICULTURE PRESERVE: - NOT IN AN AGRICULTURE PRESERVE

AIRPORT INFLUENCE AREAS: - NOT IN AN AIRPORT INFLUENCE AREA

AIRPORT COMPATIBILITY ZONES: - NOT IN AN AIRPORT COMPATIBILITY ZONE

Planning Case Map information may not be complete, current, or up-to-date for this area. Please contact the Planning Department if more information is needed.

PLANNING CASE(S): - NO PLANNING CASES DESCRIPTION: NOT APPLICABLE  
APPLIED DATE: NOT APPLICABLE STATUS: NOT APPLICABLE

DEV. IMP. FEE AREA ORD. 659: - DESERT CENTER/CV DESERT

2000 CENSUS TRACT: - 045800

1990 FARMLAND DESIGNATION: - NOT A IN FARMLAND DESIGNATION

2000 CENSUS DESIGNATION: - CENSUS DESIGNATION REPORT IS NOT AVAILABLE

INDIAN TRIBAL LANDS: - NOT IN A TRIBAL LAND

SCHOOL DISTRICT: - [PALO VERDE VALLEY UNIFIED](#)

ROAD & BRIDGE DISTRICT: - NOT IN A DISTRICT

ROADBOOK PAGE: - 249

\* BOUNDARIES ARE APPROXIMATIONS. USE FOR REFERENCE ONLY. SURVEY INFORMATION MUST BE CONSULTED OR PREPARED TO ACCURATELY DETERMINE ANY RIGHT-OF-WAY BOUNDARY.  
CETAP CORRIDORS: - NOT IN A CETAP CORRIDOR.

CIRCULATION ELEMENT ULTIMATE RIGHT-OF- - NOT IN A CIRCULATION ELEMENT RIGHT-OF-WAY  
WAY ROADS:

EAST T.U.M.F. ORD. 673: - NOT WITHIN THE EASTERN TUMF FEE AREA  
WEST T.U.M.F. ORD. 824: - NOT WITHIN THE WESTERN TUMF FEE AREA

WATER DISTRICT: - DATA NOT AVAILABLE

FLOOD CONTROL DISTRICT: - NOT IN A FLOOD DISTRICT

FLOOD PLAIN REVIEW: - NOT REQUIRED.

WATERSHED: - RICE

VEGETATION: - DATA NOT AVAILABLE

SKR FEE AREA ORD. 663.10: - NOT WITHIN A FEE AREA

HANS/ERP PROJECT: - NONE

FAULT ZONE: - NOT IN A FAULT ZONE

FAULTS: - NOT WITHIN A 1/2 MILE OF A FAULT

LIQUEFACTION POTENTIAL: - MODERATE

SUBSIDENCE: - SUSCEPTIBLE

HIGH FIRE AREA ORD. 787: - NOT IN A HIGH FIRE AREA

STATE RESPONSIBILITY AREAS: - NOT IN A STATE RESPONSIBILITY AREA

LIGHTING ORD. 655: - NOT APPLICABLE, 126.27 MILES.

COUNTY SERVICE AREA: - NOT IN A COUNTY SERVICE AREA.

BUILDING PERMIT(S): - NO BUILDING PERMITS

ENVIRON. HEALTH CASE(S): - EHW080482 DESCRIPTION: NOT AVAILABLE  
APPLIED DATE: 08/15/2008 STATUS AS OF 03/6/2009: APPLIED  
- EHW080319 DESCRIPTION: NOT AVAILABLE  
APPLIED DATE: 05/27/2008 STATUS AS OF 03/6/2009: APPLIED

TAX RATE AREAS:

- 085-000
- COUNTY STRUCTURE FIRE PROTECTION
- COUNTY WASTE RESOURCE MGMT DIST
- CSA 152
- GENERAL
- GENERAL PURPOSE
- PALO VERDE CEMETERY
- PALO VERDE COMMUNITY COLLEGE
- PALO VERDE UNIFIED SCHOOL
- PALO VERDE VALLEY HOSPITAL
- PALO VERDE VALLEY LIBRARY
- RIV. CO. OFFICE OF EDUCATION
- SUPERVISORIAL ROAD DISTRICT 4

SURFACE MINES:

- NO SURFACE MINES

PALEONTOLOGICAL SENSITIVITY:

- LOW POTENTIAL.  
FOLLOWING A LITERATURE SEARCH, RECORDS CHECK AND A FIELD SURVEY, AREAS MAY BE DETERMINED BY A QUALIFIED VERTEBRATE PALEONTOLOGIST AS HAVING LOW POTENTIAL FOR CONTAINING SIGNIFICANT PALEONTOLOGICAL RESOURCES SUBJECT TO ADVERSE IMPACTS.

COMMUNITY FACILITY DISTRICTS:

- NAME: NOT IN A COMMUNITY FACILITY DISTRICT  
- DISTRICT NUMBER: NOT AVAILABLE

THOMAS BROS. MAPS PAGE/GRID:

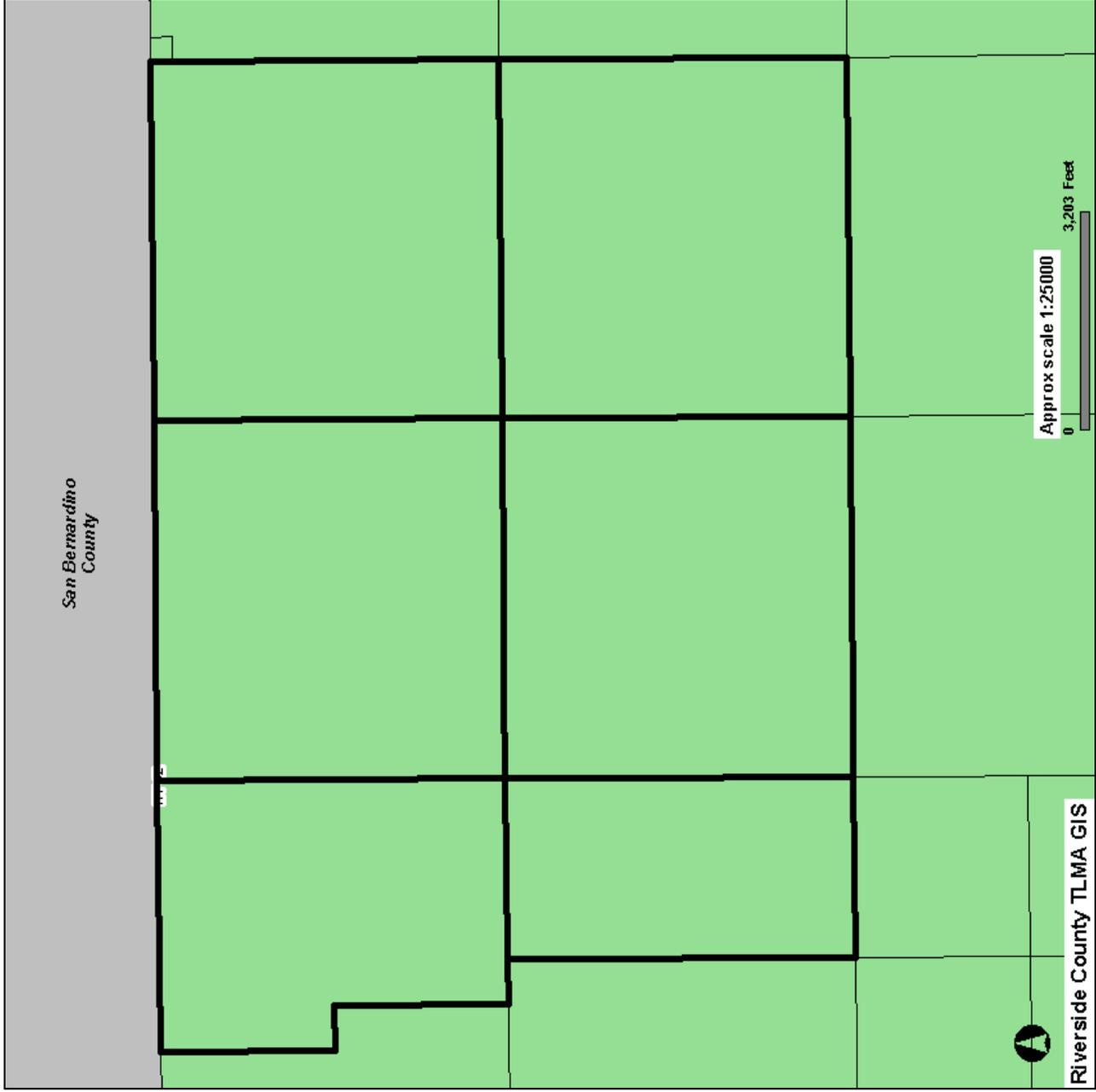
- PAGE 4908

SPECIAL NOTES:

- PLEASE REFER TO ORDINANCE 457.96 FOR COACHELLA VALLEY AGRICULTURAL GRADING EXEMPTIONS.

REPORT PRINTED ON...Thu Mar 05 19:03:35 2009

# RIVERSIDE COUNTY GIS



**Selected parcel(s):** 801-042-004 801-062-012 801-070-003 801-070-004 801-100-005 801-100-006

## ZONING DISTRICTS



SELECTED PARCEL



PARCELS



CHUCKAWALLA AREA



CITY BOUNDARY

**\*IMPORTANT\***

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REPORT PRINTED ON... Thu Mar 05 19:13:01 2009

# RIVERSIDE COUNTY GIS



**Selected parcel(s):** 801-042-004 801-062-012 801-070-003 801-070-004 801-100-005 801-100-006

## ZONING

- SELECTED PARCEL
- PARCELS
- ZONING BOUNDARY
- N-A



W-2-10



CITY BOUNDARY

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## Riverside County Zone Descriptions & Requirements

### W-2 Controlled Development Areas, Article XV

#### Typical Uses Include:

Allowed uses: One-family dwellings, light agriculture, aviaries, apiaries, grazing of farm animals, animal husbandry. With Plot Plan approval: guest ranches, educational institutions, country clubs, churches, meat cutting/packaging plants without slaughtering. With Conditional Use Permit approval: airport, cemetery, hunting clubs, lumber mill, trail bike park, rodeo arena, commercial stable, menagerie, animal hospital.

#### Minimum Lot Requirements:

Sq. feet: 20,000  
Width: 100 feet  
Depth: 150 feet

#### Minimum Setbacks:

Front: 20 feet  
Side: 5 feet  
Rear: 10 feet

#### For Mobile Homes:

Front: 25 feet  
Side: 10 feet  
Rear: 25 feet

#### Maximum Structural Height:

40 feet - Single Family

50 - 75 feet - Per [Section](#)

[18.34](#)

[Click Here to go to W-2](#)

[section of the zoning ordinance.](#)

### N-A Natural Assets, Article XV B

#### Typical Uses Include:

Permitted uses: One-family dwellings, field and tree crops, apiaries limited grazing of cattle, horses, sheep or goats. Uses permitted with Plot Plan: public utility substations, menageries, museums, agricultural mobile homes. Uses permitted with Conditional Use Permit: recreational vehicle parks, hotels, extraction and bottling of well water, ridings academies, golf courses and appurtenant facilities, fishing lakes, camps, guest ranch.

#### Minimum Lot Requirements:

Sq. feet: 20 Acres  
Width: 400 feet

#### Minimum Setbacks:

Front: 100 feet  
Side: 50 feet  
Rear: 50 feet

#### Maximum Structural Height:

20 feet

[Click Here to go to N-A section](#)

[of the zoning ordinance.](#)

# RIVERSIDE COUNTY GIS



**Selected parcel(s):** 801-042-004 801-062-012 801-070-003 801-070-004 801-100-005 801-100-006

## LANDUSE



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REPORT PRINTED ON... Thu Mar 05 19:05:23 2009



**Table LU-3  
Land Use Designations Summary Table**

Foundation Component	Area Plan Land Use Designation	Building Density/Intensity Range	Comments
<b>Community Development</b>	Estate Density Residential (EDR)	2 AC Min.	<ul style="list-style-type: none"> <li>Single-family detached residences on large parcels where intensive animal keeping is discouraged</li> </ul>
	Very Low Density Residential (VLDR)	1 AC Min.	<ul style="list-style-type: none"> <li>Single-family detached residences on large parcels where intensive animal keeping is discouraged</li> </ul>
	Low Density Residential (LDR)	½ AC Min.	<ul style="list-style-type: none"> <li>Single-family detached residences on large parcels where intensive animal keeping is discouraged</li> </ul>
	Medium Density Residential (MDR)	2 - 5 DU/AC	<ul style="list-style-type: none"> <li>Single-family detached residences</li> <li>Lot sizes range from 5,500 to 20,000 sq. ft., that means standard 7200 sq. ft. lots allowed</li> </ul>
	Medium High Density Residential (MHDR)	5 - 8 DU/AC	<ul style="list-style-type: none"> <li>Single-family detached residences, with potential for cluster development</li> <li>Lot sizes range from 4,000 to 6,500 sq. ft.</li> </ul>
	High Density Residential (HDR)	8 - 14 DU/AC	<ul style="list-style-type: none"> <li>Single-family attached residences, including townhouses, stacked flats, courtyard homes etc.</li> </ul>
	Very High Density Residential (VHDR)	14 - 20 DU/AC	<ul style="list-style-type: none"> <li>Single-family attached residences and multifamily dwellings</li> </ul>
	Highest Density Residential (H <sup>+</sup> TDR)	20+ DU/AC	<ul style="list-style-type: none"> <li>Multi-family dwellings, includes apartments and condominium</li> <li>Multi-storied (3 +) structures are allowed</li> </ul>
	Commercial Retail (CR)	0.20 - 0.35 FAR*	<ul style="list-style-type: none"> <li>Local and regional serving retail and service uses</li> </ul>
	Commercial Tourist (CT)	0.20 - 0.35 FAR*	<ul style="list-style-type: none"> <li>Tourist related commercial including hotels, golf courses, and recreation/ amusement activities</li> </ul>
	Commercial Office (CO)	0.25 - 1.0 FAR*	<ul style="list-style-type: none"> <li>Variety of office related uses including financial, legal, insurance and other office services</li> </ul>
	Light Industrial (LI)	0.25 - 0.60 FAR*	<ul style="list-style-type: none"> <li>Industrial and related uses including warehousing/ distribution, assembly and light manufacturing, and repair facilities.</li> </ul>
	Heavy Industrial (HI)	0.15 - 0.50 FAR*	<ul style="list-style-type: none"> <li>More intense industrial activities that generate significant impacts such as excessive noise, dust, and other nuisances.</li> </ul>
	Business Park (BP)	0.25 - 0.60 FAR*	<ul style="list-style-type: none"> <li>Employee intensive uses, including research &amp; development, technology centers, corporate offices and “clean” industry</li> </ul>
	Public Facilities (PF)	< 0.60 FAR*	<ul style="list-style-type: none"> <li>Public/ quasi-public uses such as landfills, airports, utilities, and other civic uses.</li> </ul>
	Community Center (CC)	5 - 40 DU/AC 0.01 - 0.3 FAR*	<ul style="list-style-type: none"> <li>Includes combination of small-lot single family residences, multi-family residences, commercial retail, office, business park uses, civic uses, transit facilities, and recreational open space within a unified planned development area</li> </ul>
Mixed Use per Adopted Specific Plan		<ul style="list-style-type: none"> <li>Mixture of residential, commercial, office, entertainment, educational and/or recreational uses or other uses per adopted Specific Plans</li> </ul>	
<b>Rural Community</b>	Estate Density Residential (EDR)	2 AC Min.	<ul style="list-style-type: none"> <li>Single-family detached residences on large parcels</li> <li>Intensive equestrian and animal keeping uses are expected and encouraged</li> <li>1 Ac. Min. for SOI of City of Corona, Moreno Valley &amp; Riverside; 10,000 sq. ft. Min. for projects adjacent to CD Foundation with clustered units; ½ Ac. Min. for all other areas</li> </ul>
	Very Low Density Residential (VLDR)	1 AC Min.	<ul style="list-style-type: none"> <li>Single-family detached residences on large parcels</li> <li>Intensive equestrian and animal keeping uses are expected and encouraged</li> <li>1 Ac. Min. for SOI of City of Corona, Moreno Valley &amp; Riverside; 10,000 sq. ft. Min. for projects adjacent to CD Foundation with clustered units; ½ Ac. Min. for all other areas</li> </ul>
	Low Density Residential (LDR)	½ AC Min.	<ul style="list-style-type: none"> <li>Single-family detached residences on large parcels</li> <li>Intensive equestrian and animal keeping uses are expected and encouraged</li> <li>1 Ac. Min. for SOI of City of Corona, Moreno Valley &amp; Riverside; 10,000 sq. ft. Min. for projects adjacent to CD Foundation with clustered units; ½ Ac. Min. for all other areas</li> </ul>
<b>Rural</b>	Rural Residential (RR)	5 AC Min.	<ul style="list-style-type: none"> <li>One single-family residence with a minimum lot size of 5 AC</li> <li>Limited animal keeping and agricultural uses are allowed</li> </ul>
	Rural Mountainous (RM)	10 AC Min.	<ul style="list-style-type: none"> <li>Single-family residential uses with a minimum lot size of 10 AC and limited animal keeping and agriculture</li> <li>70% areas of 10 Acres has slopes of 25% or greater</li> </ul>
	Rural Desert (RD)	10 AC Min.	<ul style="list-style-type: none"> <li>Single-family residential uses with a minimum lot size of 10 AC</li> <li>Allows limited animal keeping, agriculture, recreational, renewable energy uses, compatible resource development, and governmental and utility uses.</li> </ul>
<b>Agriculture</b>	Agriculture (AG)	10 AC Min.	<ul style="list-style-type: none"> <li>Agricultural land including row corps, groves, nurseries, dairies, poultry farms, processing plants and other related uses</li> <li>One single-family residence allowed per 10 acres</li> </ul>
<b>Open Space</b>	Conservation (C)	N/A	<ul style="list-style-type: none"> <li>The protection of open space for natural hazard protection, and natural and scenic resource preservation. Existing agriculture is permitted</li> </ul>
	Conservation Habitat (CH)	N/A	<ul style="list-style-type: none"> <li>Applies to lands conserved and managed in accordance with adopted Habitat Conservation Plans</li> </ul>
	Water (W)	N/A	<ul style="list-style-type: none"> <li>Includes bodies of water and natural drainage corridors</li> </ul>
	Recreation (R)	N/A	<ul style="list-style-type: none"> <li>Recreational uses including parks, trails, athletic fields, golf courses</li> <li>Neighborhood parks are permitted within residential land uses</li> </ul>
	Rural (RUR)	20 AC Min.	<ul style="list-style-type: none"> <li>One single-family residence allowed per 20 acres</li> </ul>
	Mineral Resources (MR)	N/A	<ul style="list-style-type: none"> <li>Mineral extraction and processing facilities</li> <li>Areas held in reserve for future mineral extraction and processing</li> </ul>
<b>Overlays (Not a Foundation Component, may be used in different foundation components)</b>	Community Center Overlay (CCO)		<ul style="list-style-type: none"> <li>Future Community Center, where there is a need to protect other options for development while Community Center concept is pursued.</li> </ul>
	Rural Village Overlay (RVO)		<ul style="list-style-type: none"> <li>A concentration of development of residential and commercial uses within areas of rural character</li> <li>Allows uses and maximum density of Medium Density Residential, Medium High Density Residential and Commercial Retail</li> </ul>
	Community Development (CDO)		<ul style="list-style-type: none"> <li>Allows Community Development land use designations to be applied in future within specified areas within other foundations while maintaining underlying foundation until CD uses are approved</li> </ul>

\*FAR- Floor Area Ratio

# RIVERSIDE COUNTY GIS



**Selected parcel(s):** 801-042-004 801-062-012 801-070-003 801-070-004 801-100-005 801-100-006

## AREA PLAN



SELECTED PARCEL



PARCELS



EAST COUNTY - DESERT AREA



CITY BOUNDARY

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REPORT PRINTED ON... Thu Mar 05 19:11:25 2009





SELECTED PARCEL



PARCELS



RICE



CITY BOUNDARY

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REPORT PRINTED ON... Thu Mar 05 19:04:29 2009



COUNTY OF RIVERSIDE • HEALTH SERVICES AGENCY  
**DEPARTMENT OF ENVIRONMENTAL HEALTH**

March 17, 1999

Mr. George H. Okumura  
U.S. Army Corps of Engineers  
Inland Resident Office  
5023 Forth Street, Building 2640  
March ARB, CA 92518

**COPY**

re: Underground Storage Tank Closure Plan Check #98-647 for  
1 tank at Rice Airfield located on the south side of Highway 62  
at mile marker number 109.

Dear Mr. Okumura:

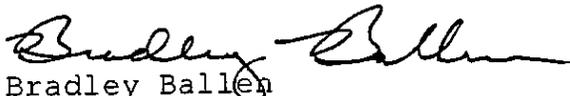
This letter confirms the completion of the underground storage tank closure of 1 tank at the above site. Based on the assumption that the information provided to this agency was accurate and representative of the existing conditions, it is the position of this office that no further action is required at this time.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code or Water Code for past, present, or future operations at the site. Nor does it relieve you of the responsibility to clean up existing, additional or previously unidentified conditions at the site, which cause or threaten to cause pollution or nuisance or otherwise pose a threat to water quality or public health.

Additionally, be advised that it is the property owner's responsibility to notify this agency of any changes in report content or any future contamination findings.

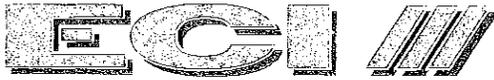
If you have any questions regarding this matter, contact this office at (760) 863-8976.

Sincerely,



Bradley Ballen  
Hazardous Materials Specialist III

cc: file ①



**ECOLOGY CONTROL INDUSTRIES**

*A Full Service Environmental Company*

## **UST CLOSURE REPORT**

**- DRAFT -**

### **Removal and Disposal of One 5,000 Gallon Steel Underground Storage Tank And One 350 Gallon and Two 500 Gallon Concrete Septic Tanks**

**Former Rice Airfield  
Rice, California**

**IDIQ Contract #DACA09-97-D-0006  
Delivery Order No 0014  
ECI Project No. 21-80714**

**June 22, 1999**

**Prepared For:**

*Department of the Army  
Los Angeles District, Corps of Engineers  
Inland Resident Office  
5023 4<sup>th</sup> Street, Bldg. 2640  
March Air Reserve Base, CA 92518  
Attn: Mr. George Okumura*

**Government QA Laboratory:**

*U.S. Army Corps of Engineers  
Chemistry Materials Quality Assurance Laboratory  
420 South 18<sup>th</sup> Street  
Omaha, NE 68102  
Attn.: Doug Taggart/Laura Percifield*

**Prepared By:**

*Ecology Control Industries  
20846 Normandie Ave  
Torrance, CA 90502*

**Contract Laboratory:**

*Calscience Environmental Laboratories  
7440 Lincoln Way  
Garden Grove, CA 92841-1432*

## EXECUTIVE SUMMARY

Ecology Control Industries (ECI) was contracted by the U.S. Army Corps of Engineers (USACE) to remove one steel underground storage tank (UST) and three concrete septic tanks at the former Rice Airfield located east of the abandoned desert town of Rice, California.

According to USACE site maps of the former airfield operations, seven USTs were installed at three separate locations on-site. ECI excavated these sites to locate the USTs. However, none of the known USTs were found. It appeared that these USTs had been previously excavated and disposed off-site. Records of removal of these USTs were not available.

ECI discussed the findings with the USACE Contracting Officer's Representative and the County of Riverside Health Services Agency and Department of Environmental Health (CRHSA) Representative. It was established that USTs may be located in other areas throughout the airfield. A search of the entire airfield was performed by ECI as part of this contract to ensure that all USTs have been removed.

ECI staff excavated several additional areas of suspected UST locations. Some of the UST areas had pipes protruding from the ground. Only one 5,000 gallon steel UST at a previously unknown location was discovered and excavated. In addition, three circular concrete septic tanks (1-350 gallon and 2-500 gallon) at known locations exhibited fuel contamination and were excavated. It appeared that the septic tanks were used for fuel storage in the past. The UST and septic tank removals were permitted and witnessed by the CRHSA.

Laboratory analysis of soil samples collected from all excavated areas and the 5,000 gallon UST location confirmed that soil was not impacted by former UST contents. Laboratory analysis of samples collected from the septic tanks showed petroleum hydrocarbon contamination in the concrete walls of all septic tanks as well as in the soil beneath septic tank #2. The contaminated soil was excavated and transported, including the contaminated concrete of all septic tanks, to Sonas Soil Resource Recovery of Arizona, Inc. in Vicksburg, Arizona, for recycling.

With the approval of the CRHSA and the USACE, all excavations were backfilled with compacted stockpiled soil and imported fill material.

Based on the findings presented in this report, ECI recommends that the site be granted closure.

## 1.0 INTRODUCTION

As part of the US Army Corps of Engineers (USACE) fuel storage tank removal and replacement program, Ecology Control Industries (ECI) was contracted to provide environmental consulting and construction services. Originally, the proposed contract required the removal of seven steel underground storage tanks (USTs), consisting of two 12,000 gallon, three 25,000 gallon and two 50,000 gallon USTs. However, none were located. A field investigation was performed and located one steel UST and three concrete septic tanks.

Field activities completed by ECI included excavation of several suspected UST sites, concrete foundations and septic tanks. One UST and three concrete septic tanks were removed and disposed from the site. Soil samples were collected and analyzed from the UST and septic tank excavations. Disposal of UST contents and backfilling and disposal of contaminated soil and concrete was performed. Fieldwork was completed in compliance with local and state regulatory requirements between January 27 and April 8, 1999.

### 1.1 Site Description

The site is located south of California State Highway 62 at Mile Marker 109 east of the abandoned desert town of Rice in Riverside County, California (*Figure 1* – Site Vicinity Map). The former Rice Airfield consisted of a total of 3,310 acres, acquired by transfer from the Department of the Interior. Public Land Order (P.L.O.) No. 31, dated August 14, 1942, transferred the public domain to the Department of Defense. An easement for water lines was licensed by the Atchinson Topeka and Santa Fe Railway Company.

Between 1942 and 1945, the Rice Airfield was used by General Patton and the Army Air Forces for training and maneuver operations in association with the Desert Training Center, California–Arizona Maneuver Area. Approximately 37 buildings containing 50,000 square feet of floor space were located on the site. In addition to the buildings, gas fueling, sewer, water and electric distribution systems were also constructed on the site (*Figure 2* – Corps of Engineers General Layout Plan, 1942).

The site was declared surplus in November 1945 and transferred to the War Assets Administration on January 30, 1946 for disposal. There were no restoration provisions or recapture clauses in the disposal instrument. In 1947, the property was purchased by an individual, Kenneth Mead of Riverside, California, who dismantled all buildings on-site and then sold the property to Go-Toll, Inc. Corporation. In 1973, the Southern California Edison Company purchased the property. Today the property is owned by Rice Properties of Burbank, California.

The site is vacant and unimproved and contains numerous concrete foundations, roadways, leach fields and other debris associated with the former Army Airfield operations.

## **1.2 Objective**

The main objectives of this project were to remove and dispose all existing USTs, assess the probable distribution of petroleum hydrocarbons in soil surrounding the USTs and remove impacted soil if warranted.

## **1.3 Permits**

ECI prepared a Site Specific Work Plan (SSWP) for the completion of the UST closure project, dated November 25, 1998. Upon approval of the SSWP by the USACE Contracting Officer Representative Mr. George Okumura, ECI obtained a permit for the UST removal from the County of Riverside Health Services Agency, Department of Environmental Health (CRHSA). A representative of the CRHSA, Inspector Brad Ballen, was scheduled to observe the UST removal procedures. A copy of the permit is presented in *Appendix B*. In addition, Underground Service Alert was notified to locate underground utilities in the area of the UST locations. None were reported in the work area.

## 2.0 FIELD ACTIVITIES

### 2.1 UST Site and Septic Tank Excavations

On January 27, 1999, ECI began excavation in the area of *UST Site #1*. This site south of the entry to the former airfield was marked by two concrete islands and a 70 by 100 feet depression in the landscape. The concrete islands were demolished and three 6 inch steel pipelines were discovered. We excavated the pipelines approximately 50 feet east to the depression where they terminated in the soil. We continued excavating trenches throughout the area of the depression but found no USTs. Apparently, this was the former location of three 25,000 gallon USTs. The USTs have been previously excavated and removed by others and the depression in the landscape is a result of improper backfill (*Appendix A* – Photographic Log, photographs #01 to #06). *Figure 2* – Site Plan with Soil Sample Locations exhibits all areas excavated.

*UST Site #2* consisted of a 20 by 100 feet concrete foundation (*UST Site #2A*) and two smaller concrete foundations (*UST Site #2B*) located southeast of the main entry. The larger concrete pad appeared to be a former building foundation and the smaller ones may have been used as generator foundations. ECI staff removed the larger concrete foundation and excavated a 100 feet long trench in search of two 12,000 gallon USTs. We also attempted to demolish the generator foundations. However, these foundations consisted of two solid concrete blocks, each 8 by 6 feet wide and 5 feet deep. No pipelines or other appurtenances were attached to the foundations. As directed by the Contractors Officer's Representative (COR) we partially demolished the southern foundation and left the other intact (*Appendix A* – Photographic Log, photographs #07 to #12).

At *UST Site #3* west of the main entrance, two 50,000 gallon USTs were expected. One concrete foundation was visible with a 6 inch steel pipe protruding from the ground (*UST Site #3B*). At approximately 4 feet depth the pipeline traveled horizontal in two separate directions, east and west. We excavated both directions. Approximately 40 feet to the west the pipeline lead into another concrete foundation below ground and then several feet beyond that (*UST Site #3A*). The pipeline continued approximately 80 feet to the east and angled southeast, where it crossed the service road and continued another 90 feet. We excavated the above and below grade concrete foundations and the pipeline. No evidence of the existence of 50,000 gallon USTs was detected. According to *Figure 2*, the pipeline may have been used to carry water from the aqueduct north of Highway 62 to the former airfield operations (*Appendix A* – Photographic Log, photographs #13 to #16).

Since no USTs were discovered at the suspected UST sites, the USACE and the CRHSA were determined to ensure that all existing USTs have been removed from the property. The USACE records were searched further and the COR discovered an enhanced copy of *Figure 2*, which showed several additional areas of suspected USTs. With this map, ECI

staff, the USACE and CRHSA representatives explored the entire former Airfield between Highway 62 to the north and the former runways to the south.

One of these additional areas was *UST Site #4* east of UST Site #2 and identified on *Figure 2* as quartermaster gas station with one 12,000 gallon UST. Two 5 by 5 feet concrete pads were excavated. One pipeline connected the pads and the center of the pipeline was connected to another pipe leading into a 15 by 15 feet concrete foundation below grade. We excavated the pipelines, concrete pads and foundations to approximately 20 feet below grade without encountering a UST (*Appendix A – Photographic Log, photographs #17 to #20*).

During the site exploration, a two inch steel pipeline was discovered 50 feet south of a concrete foundation, protruding from the ground at *UST Site #5*, approximately 1100 feet south of Highway 62 and west of the main service road (*Appendix A – Photographic Log, photograph #20*). According to *Figure 2*, a UST was not expected in this area. However, upon excavation we discovered the pipeline terminating in a 5,000 gallon steel UST. The UST removal operations are described in detail in the following section 2.2.

A large concrete apron is located approximately 2000 feet south of Highway 62. According to *Figure 2*, two additional fuel dispensing sites were located at the northern edge of the apron west and east of the main service road, respectively. *UST Site #6* and *UST Site #7* were each identified by a 2 by 2 and 1 foot high conical concrete structure with pipeline connections on one side (*Appendix A – Photographic Log, photographs #22 and #23*). Upon removal of the concrete structure at *UST Site #6* west of the service road and excavation of 20 feet into the surrounding soil, ECI staff discovered several pipelines and a small cavern at approximately 5 feet depth (*Appendix A – Photographic Log, photograph #24*), but no UST. Here too it appears that a UST had been removed and the excavation backfilled without compaction. This explains the cavern beneath a hard layer of soil. ECI staff also excavated the similar structure at *UST Site #7* east of the service road. With the exception of several pipelines, no other structure or UST was discovered (*Appendix A – Photographic Log, photograph #25*).

*UST Site #8* is located between the service road and *UST Site #7* and consisted of one small concrete pad with a pipeline protruding from the concrete. The concrete pad was excavated and the pipeline found to terminate 4 inches beyond the concrete (*Appendix A – Photographic Log, photographs #26 and #27*).

In addition to the steel UST, three circular concrete septic tanks were discovered. One 500 gallon concrete tank at *Septic Tank Site #1* was located between the service road and UST Site #3. One 500 gallon concrete tank at *Septic Tank Site #2* was located 440 feet south of Septic Tank Site #1 and a 350 gallon concrete tank at *Septic Tank Site #3* was located 250 feet north of the apron (see *Figure 3* and *Appendix A – Photographic Log, photographs #28 to #30*). As requested by the USACE, all septic tanks were excavated,

sampled and removed. The septic tank removal operations are described in detail in the following section 2.2.

During the site exploration, several other steel pipelines were discovered protruding from the ground. Some of these were electrical wires in steel piping and all were excavated and found to terminate just beneath the surface. All steel piping was removed and stockpiled for cleaning and disposal.

## **2.2 UST and Septic Tank Removal Operations**

By February 22, 1999, the steel UST and three concrete septic tanks were excavated, cleaned and triple rinsed. An ECI vacuum truck removed approximately 700 gallons of rinse liquid from the steel and concrete tanks and transported the waste liquid to Crosby & Overton's facility in Long Beach, California, for disposal. A copy of the uniform hazardous waste manifest is included in *Appendix C*.

On February 23, 1999, the CRHSA inspector was on-site to witness the steel UST removal. Prior to extraction of the UST from the excavation by crane, the inspector monitored the lower explosive limit of the UST atmosphere and it was measured at less than 1%. The CRHSA inspector declared the UST suitable for removal and transportation.

The UST was removed from the excavation and the outside walls inspected. The UST showed numerous openings and perforations in the bottom wall. The UST was secured on a flatbed truck and transported to American Metal Recycling, Inc. in Ontario, California, for disposal (*Appendix A* – Photographic Log, photographs #31 to #35). Refer to *Appendix D* for a copy of the UST disposal certificate.

The removal and sampling of the septic tanks were not required by the CRHSA, however, the USACE requested their removal and confirmation that none of them contaminated the surrounding soil (*Appendix A* – Photographic Log, photographs #36 to #42). The septic tanks were demolished and stockpiled separately for sampling and disposal.

## **2.3 Soil and Concrete Sampling**

The USACE COR requested all demolished concrete to be sampled prior to disposal, to ensure that none of the concrete was contamination with fuel. On February 8 and 23, 1999, the ECI geologist collected concrete samples from the foundations excavated and stockpiled at UST Sites #1, #2 and #3.

The ECI geologist collected soil samples on February 12 and 23, 1999, from all areas excavated, UST and septic tank excavations, dispenser locations and pipeline trenches (*Appendix A* – Photographic Log, photograph #43). Samples were not collected at UST Site #2 and #8. During excavations, it was determined that USTs were previously not

located in these areas and sampling was not required. Soil samples from UST Site #5 were collected under the direction of the CRHSA. Soil sample locations and depths are shown on *Figure 3*.

All soil and concrete samples were packaged in 250 milliliter glass jars and sealed with Teflon<sup>®</sup> lined plastic caps. The samples were then labeled, secured with a chain-of-custody seal and stored in an ice chest at 4 degrees Celsius. All samples were immediately delivered to Calscience for testing. Refer to *Appendix E* for copies of laboratory and quality assurance/quality control (QA/QC) reports and chain-of-custody records. ECI personnel conducted all work under the direction of a California registered geologist.

### 3.0 SITE GEOLOGY AND HYDROGEOLOGY

The former Rice Airfield is located within the boundaries of the Colorado Desert in southeast California, approximately 60 miles east of Joshua Tree National Park and 30 miles west of the Colorado River. The desert climate is characterized by extreme variation in daily temperature and an average annual precipitation of less than 5 inches. The desert landscape has a typical mountain-and-basin topography with sparse vegetation. Sand and gravel basins drain to central salt flats from which borax, potash and salt are extracted. Silver, tungsten, gold and iron deposits are mined.

A steel casing groundwater well used by the former airfield operations is located west of the service road and north of the concrete apron (*Appendix A* – Photographic Log, photograph #44). ECI staff measured the depth of the well with 230 ft bgs. The bottom of the well was dry.

Soil encountered at the site during the excavations consists of silty to gravelly sand, mostly decomposed granite. The upper 15 feet are compacted moderately and very dense below 15 feet depth

## 4.0 LABORATORY ANALYSIS

### 4.1 Methods of Analysis

Soil samples were collected, maintained, prepared and analyzed according to Test Methods for Evaluating Solid Waste, (SW-846), Third Edition, Update #4A, May 1998. These methods, as prescribed by the Environmental Protection Agency (EPA), provide test procedures, which determine whether the sample is a hazardous waste within the definition of the Resource Conservation and Recovery Act.

Calscience Environmental Laboratories, Inc. (Calscience) of Garden Grove, California, analyzed all soil and concrete samples for total petroleum hydrocarbons as gasoline and diesel (TPH-G and TPH-D) by EPA method 8015, total recoverable petroleum hydrocarbons (TRPH) by EPA method 418.1, benzene, toluene, ethyl benzene and total xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA method 8021A, and lead by EPA method 7420.

### 4.2 Results of Analysis

Laboratory results of soil samples collected from the known and suspected UST, dispenser and pipeline locations throughout the former Airfield demonstrated that the surrounding soil has not been impacted by fuels contained in any of the USTs. Insignificant concentrations of TRPH, lead and total xylenes well below regulatory action levels were detected in a small number of samples. Laboratory analysis of soil samples collected beneath septic tanks #1 and #3 also exhibited non-detect at or above laboratory detection limits or very low levels of TRPH. Soil samples collected from septic tank #2 showed elevated concentrations of TRPH (435 milligrams per kilogram [mg/kg]) and TPH-D (426 mg/kg) at 6 feet below grade surface (bgs), decreasing by at least 50% or more at 10 ft bgs. A summary of soil sample results is presented in *Table 1*.

Laboratory analysis of concrete samples collected from the foundations at UST Sites #1, #2 and #3 exhibited insignificant concentrations of TRPH and lead. Laboratory analysis of concrete samples from the walls of the septic tanks all showed petroleum hydrocarbon contamination with elevated concentrations of TPH-D and TRPH. A summary of concrete sample results is presented in *Table 2*.

On March 17, 1999, ECI staff excavated the contaminated soil from Septic Tank #2 to approximately 15 ft bgs (*Appendix A* – Photographic Log, photographs #45 and #46). Laboratory analysis of confirmation soil samples collected from all side walls and the bottom of the excavation determined that all of the contaminated soil was removed. *Table 3* summarizes the laboratory results of the confirmation soil samples. Refer to *Appendix E* for a copy of all laboratory and QA/QC reports and chain-of-custody records.

## 5.0 SITE RESTORATION

On March 17, 1999, approximately 400 feet of steel piping was transported to the ECI facility in Fontana, California (*Appendix A* – Photographic Log, photograph #47). The pipeline was cleaned and triple rinsed at the ECI facility. An ECI vacuum truck recovered approximately 150 gallons of rinse liquid from the pipe cleaning operations and transported the liquid to Crosby & Overton's facility in Long Beach, California, for recycling. Copies of the uniform hazardous waste manifests for the piping from the site to Fontana and the waste liquid are included in *Appendix C*. The piping was transported to American Metal Recycling, Inc. in Ontario, California. A copy of the piping disposal form is included in *Appendix D*.

During demolition, the concrete was crushed into suitable sizes and on March 18, 1999, ECI staff loaded the concrete for off-site disposal (*Appendix A* – Photographic Log, photographs #48 and #49). A total of 272 cubic yards of concrete was transported to a nearby railroad embankment. The Arizona & California Railroad Company management in Parker, Arizona requested the disposal of the concrete for enforcement of the railroad.

Soil generated from the Septic Tank #2 excavation required transport to a soil disposal facility. The soil was not suitable for backfill due to the petroleum hydrocarbon contamination. In addition, the concrete of all three septic tanks was crushed and added to the soil (*Appendix A* – Photographic Log, photograph #50). On March 18, 1999, 45.63 tons of contaminated soil excavated beneath the Septic Tank #2 and concrete Septic Tanks #1, #2 and #3 were transported to Sonas Soil Resource Recovery of Arizona, Inc. in Vicksburg, Arizona, for recycling. The non-hazardous soil manifests are included in *Appendix C*.

After reviewing the analytical results of soil samples, the USACE and CREHS approved backfill of the excavations. Between April 6 and 8, 1999, the excavations were backfilled with clean imported soil. An ECI soil technician was on site to provide soil compaction testing. As requested by the USACE and the CRHSA the top 6 inches of soil were placed with minimal compaction to allow vegetation to develop. A copy of the Soil Compaction Report is included in *Appendix F* and *Figure 4* shows the locations of the soil compaction tests and results (*Appendix A* – Photographic Log, photographs #51 to #65).

**Table 1**

Summary of Soil Sample Laboratory Results  
USACE Rice Airfield, CA

DACA09-97-D-0006, Delivery Order No. 0014, ECI Project No. 21-80714

Sample ID	Date	Sample Location	TPH-G 8015 G (mg/kg)	TPH-D 8015 D (mg/kg)	TRPH 418.1 (mg/kg)	LEAD 7420 (mg/kg)	Benzene 8021A (mg/kg)	Toluene 8021A (mg/kg)	Ethyl- benzene 8021A (mg/kg)	Total Xylenes 8021A (mg/kg)	MTBE 8021A (mg/kg)
1A-15'	2/23/99	UST Site #1, 25,000 g UST North	ND	ND	ND	3.82	ND	ND	ND	ND	ND
1B-15'	2/23/99	UST Site #1, 25,000 g UST Center	ND	ND	10	ND	ND	ND	ND	ND	ND
1C-15'	2/23/99	UST Site #1, 25,000 g UST South	ND	ND	27	ND	ND	ND	ND	ND	ND
3A-10'	2/23/99	UST Site #3A, 50,000 g UST	ND	ND	ND	ND	ND	ND	ND	0.023	ND
3B-10'	2/23/99	UST Site #3B, 50,000 g UST	ND	ND	ND	ND	ND	ND	ND	ND	ND
4A-6'	2/23/99	UST Site #4, 12,000 g UST Pad	ND	ND	11	ND	ND	ND	ND	ND	ND
4B-13'	2/23/99	UST Site #4, 12,000 g UST Center	ND	ND	ND	3.72	ND	ND	ND	ND	ND
5A-13'	2/23/99	UST Site #5, 5,000 g UST Center	ND	ND	ND	ND	ND	ND	ND	ND	ND
5A-15'	2/23/99	UST Site #5, 5,000 g UST Center	ND	ND	ND	ND	ND	ND	ND	ND	ND
UST6-15'	2/12/99	North of Apron, West Side	ND	ND	ND	ND	ND	ND	ND	ND	ND
UST6-17'	2/12/99	North of Apron, West Side	ND	ND	ND	12.8	ND	ND	ND	ND	ND
UST7-15'	2/12/99	North of Apron, East Side	ND	ND	ND	ND	ND	ND	ND	ND	ND
UST7-17'	2/12/99	North of Apron, East Side	ND	ND	ND	ND	ND	ND	ND	ND	ND
D1-5'	2/23/99	UST Site #1, Dispenser North	ND	ND	10	ND	ND	ND	ND	ND	ND
D2-5'	2/23/99	UST Site #1, Dispenser South	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL			0.5	5.0-10	10-200	5.0	0.0003-.005	0.0003-.005	0.0003-.005	0.0003-.01	0.005-.025

**Table 1**

Summary of Soil Sample Laboratory Results  
 USACE Rice Airfield, CA

DACA09-97-D-0006, Delivery Order No. 0014, ECI Project No. 21-80714

Sample ID	Date	Sample Location	TPH-G 8015 G (mg/kg)	TPH-D 8015 D (mg/kg)	TRPH 418.1 (mg/kg)	LEAD 7420 (mg/kg)	Benzene 8021A (mg/kg)	Toluene 8021A (mg/kg)	Ethyl- benzene 8021A (mg/kg)	Total Xylenes 8021A (mg/kg)	MTBE 8021A (mg/kg)
P1-6'	2/23/99	UST Site #1, Pipeline NW	ND	ND	ND	ND	ND	ND	ND	ND	ND
P2-6'	2/23/99	UST Site #1, Pipeline NE	ND	ND	13	7.58	ND	ND	ND	ND	ND
P3-6'	2/23/99	UST Site #1, Pipeline SW	ND	ND	13	ND	ND	ND	ND	ND	ND
P4-6'	2/23/99	UST Site #1, Pipeline SE	ND	ND	ND	ND	ND	ND	ND	ND	ND
P5-6'	2/23/99	UST Site #3, Pipeline W	ND	ND	16	ND	ND	ND	ND	ND	ND
P6-6'	2/23/99	UST Site #3, Pipeline Center	ND	ND	13	11.3	ND	ND	ND	ND	ND
P7-6'	2/23/99	UST Site #3, Pipeline SE	ND	ND	14	ND	ND	ND	ND	ND	ND
P8-6'	2/23/99	UST Site #4, Pipeline	ND	ND	ND	ND	ND	ND	ND	ND	ND
ST1-6'	2/23/99	Septic Tank #1, North near Hwy	ND	ND	20	ND	ND	ND	ND	ND	ND
ST1-10'	2/23/99	Septic Tank #1, North near Hwy	ND	ND	ND	ND	ND	ND	ND	ND	ND
ST2-6'	2/23/99	Septic Tank #2, West of Main Road	ND	426	435	ND	ND	0.005	ND	ND	ND
ST2-10'	2/23/99	Septic Tank #2, West of Main Road	ND	226	88	ND	ND	ND	ND	ND	ND
ST3-6'	2/23/99	Septic Tank #3, East of Main Road	ND	ND	ND	ND	ND	ND	ND	ND	ND
ST3-10'	2/23/99	Septic Tank #3, East of Main Road	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL			0.5	5.0-10	10-200	5.0	0.0003-.005	0.0003-.005	0.0003-.005	0.0003-.01	.005-.025

**Table 2**

Summary of Concrete Sample Laboratory Results  
 USACE Rice Airfield, CA

DACA09-97-D-0006, Delivery Order No. 0014, ECI Project No. 21-80714

Sample ID	Date	Sample Location	TPH-G 8015 G (mg/kg)	TPH-D 8015 D (mg/kg)	TRPH 418.1 (mg/kg)	LEAD 7420 (mg/kg)	Benzene 8021A (mg/kg)	Toluene 8021A (mg/kg)	Ethyl- benzene 8021A (mg/kg)	Total Xylenes 8021A (mg/kg)	MTBE 8021A (mg/kg)
CC1-1	2/8/99	UST Site #1, Concrete Sample	ND	ND	13	14.0	ND	ND	ND	ND	ND
CC2-1	2/8/99	UST Site #2, Concrete Sample	ND	ND	ND	8.5	ND	ND	ND	ND	ND
CC3-1	2/8/99	UST Site #3A, Concrete Sample	ND	ND	13	8.4	ND	ND	ND	ND	ND
CC3-2	2/8/99	Septic Tank #1, Concrete Sample	ND	559	936	13.9	ND	ND	ND	ND	ND
ST2-CC	2/23/99	Septic Tank #2, Concrete Sample	4	985	4020	15.25	ND	ND	ND	ND	ND
ST3-CC	2/23/99	Septic Tank #3, Concrete Sample	ND	648	1380	ND	ND	ND	ND	ND	ND
DL			0.5	5.0-10	10-200	5.0	0.0003-0005	0.0003-0005	0.0003-0005	0.0003-01	0.005-025

**Table 3**

Summary of Confirmation Soil Sample Laboratory Results

USACE Rice Airfield, CA

DACA09-97-D-0006, Delivery Order No. 0014, ECI Project No. 21-80714

Sample ID	Date	Sample Location	TPH-G 8015 G (mg/kg)	TPH-D 8015 D (mg/kg)	TRPH 418.1 (mg/kg)	LEAD 7420 (mg/kg)	Benzene 8021A (mg/kg)	Toluene 8021A (mg/kg)	Ethyl- benzene 8021A (mg/kg)	Total Xylenes 8021A (mg/kg)	MTBE 8021A (mg/kg)
ST2-15'-C	3/17/99	Septic Tank #2, West of Main Road	ND	ND	ND	ND	ND	ND	ND	ND	ND
ST2-15'-N	3/17/99	Septic Tank #2, West of Main Road	ND	ND	11	ND	ND	ND	ND	ND	ND
ST2-15'-S	3/17/99	Septic Tank #2, West of Main Road	ND	ND	18	ND	ND	ND	ND	ND	ND
ST2-15'-E	3/17/99	Septic Tank #2, West of Main Road	ND	ND	14	ND	ND	ND	ND	ND	ND
ST2-15'-W	3/17/99	Septic Tank #2, West of Main Road	ND	ND	30	11.1	ND	ND	ND	ND	ND
DL			0.5	5.0-10	10-200	5.0	0.0003-.0005	0.0003-.0005	0.0003-.0005	0.0003-.01	.0005-.025

Colorado River Aquaduct

Rail Road Tracks

Highway 62



**LEGEND**

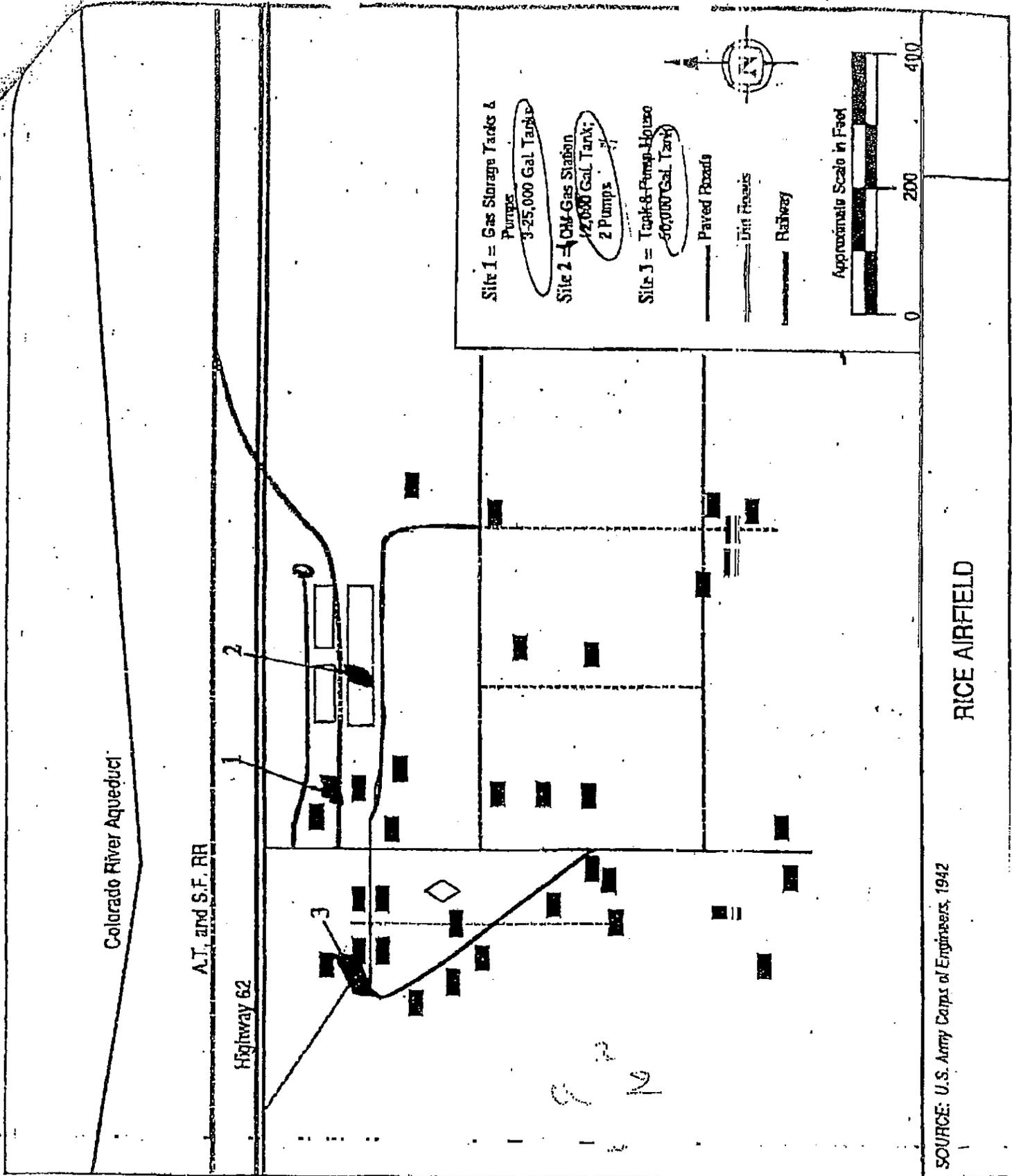
-  Underground Storage Tank Site Locations
- Site 1 = 3-25,000 gallon USTs
- Site 2 = 2-12,000 gallon USTs
- Site 3 = 2-50,000 gallon USTs
-  Paved Road
-  Dirt Road
-  Rail Road Tracks

Figure 3  
 UST SITE PLAN  
 RICE AIRFIELD - USACE  
 Rice, CA  
 Contract No. DAC05-97-D-0006  
 Delivery Order No. 0014  
 ECI Project No. 80714

Drawn by : V. DeLeon  
 Checked by : Gabi Baader  
 Approved by : Jeff Sharp  
 Date : 11/25/98  
 File : /figures/fig3

Drawing not to scale

**ECI**  
**Ecology Control Industries**  
 2844 NORMANDE AVENUE, TORRANCE, CA 90503  
 CONTRACTOR LICENSE NO. 714511 (310) 220-2355 FAX (310) 230-1561



RICE AIRFIELD

SOURCE: U.S. Army Corps of Engineers, 1942

EXHIBIT 17

**Table 1**  
**Summary of Soil Sample Laboratory Results**  
**USACE Rice Airfield, CA**  
**DACA09-97-D-0006, Delivery Order No. 0014**

Sample ID	Date	Sample Location	TPH-G	TPH-D	TRPH	LEAD	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE
			8015 G (mg/kg)	8015 D (mg/kg)	418.1 (mg/kg)	7420 (mg/kg)	8021A (µg/kg)	8021A (µg/l)	8021A (µg/kg)	8021A (µg/l)	8021A (µg/kg)
CC1-1	2/8/99	Concrete Sample UST Site #1	ND	ND	13	14.0	ND	ND	ND	ND	ND
CC2-1	2/8/99	Concrete Sample UST Site #2	ND	ND	ND	8.5	ND	ND	ND	ND	ND
CC3-1	2/8/99	Concrete Sample UST Site #3A	ND	ND	13	8.4	ND	ND	ND	ND	ND
CC3-2	2/8/99	Concrete Sample Septic Tank #1	ND	559	936	13.9	ND	ND	ND	ND	ND
AOC1-1	2/8/99	Rinse Water Sample UST Site #1	ND	NA	NA	NA	ND	ND	ND	ND	ND
AOC2-1	2/8/99	Rinse Water Sample UST Site #2	ND	NA	NA	NA	ND	ND	ND	ND	ND
AOC3-1	2/8/99	Rinse Water Sample UST Site #3A	ND	NA	NA	NA	ND	ND	ND	ND	ND
1A-15'	2/23/99	UST Site #1, 25,000 g UST North	ND	ND	ND	3.82	ND	ND	ND	ND	ND
1B-15'	2/23/99	UST Site #1, 25,000 g UST Center	ND	ND	10	ND	ND	ND	ND	ND	ND
1C-15'	2/23/99	UST Site #1, 25,000 g UST South	ND	ND	27	ND	ND	ND	ND	ND	ND
D1-5'	2/23/99	UST Site #1 Dispenser North	ND	ND	10	ND	ND	ND	ND	ND	ND
D2-5'	2/23/99	UST Site #1 Dispenser South	ND	ND	ND	ND	ND	ND	ND	ND	ND
P1-6'	2/23/99	UST Site #1 Pipeline NW	ND	ND	ND	ND	ND	ND	ND	ND	ND
P2-6'	2/23/99	UST Site #1 Pipeline NE	ND	ND	13	7.58	ND	ND	ND	ND	ND
P3-6'	2/23/99	UST Site #1 Pipeline SW	ND	ND	13	ND	ND	ND	ND	ND	ND
P4-6'	2/23/99	UST Site #1 Pipeline SE	ND	ND	ND	ND	ND	ND	ND	ND	ND
3A-10'	2/23/99	UST Site #3A, 50,000 g UST	ND	ND	ND	ND	ND	ND	ND	23	ND
3B-10'	2/23/99	UST Site #3B, 50,000 g UST	ND	ND	ND	ND	ND	ND	ND	ND	ND
P5-6'	2/23/99	UST Site #3 Pipeline W	ND	ND	16	ND	ND	ND	ND	ND	ND
P6-6'	2/23/99	UST Site #3 Pipeline Center	ND	ND	13	11.3	ND	ND	ND	ND	ND
P7-6'	2/23/99	UST Site #3 Pipeline SE	ND	ND	14	ND	ND	ND	ND	ND	ND

**Table 1**  
**Summary of Soil Sample Laboratory Results**  
**USACE Rice Airfield, CA**  
**DACA09-97-D-0006, Delivery Order No. 0014**

Sample ID	Date	Sample Location	TPH-G 8015 G (mg/kg)	TPH-D 8015 D (mg/kg)	TRPH 418.1 (mg/kg)	LEAD 7420 (mg/kg)	Benzene 8021A (µg/kg)	Toluene 8021A (µg/kg)	Ethyl- benzene 8021A (µg/kg)		Total Xylenes 8021A (µg/kg)		MTBE 8021A (µg/kg)
									(µg/L)	(µg/L)	(µg/L)	(µg/L)	
4A-6'	2/23/99	UST Site #4, 12,000 g UST Pad	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	ND
4B-13'	2/23/99	UST Site #4, 12,000 g UST Center	ND	ND	ND	3.72	ND	ND	ND	ND	ND	ND	ND
P8-6'	2/23/99	UST Site #4 Pipeline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5A-13'	2/23/99	UST Site #5, 5,000 g UST Center	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5A-15'	2/23/99	UST Site #5, 5,000 g UST Center	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ST1-6'	2/23/99	Septic Tank #1 North near Hwy	ND	ND	20	ND	ND	ND	ND	ND	ND	ND	ND
ST1-10'	2/23/99	Septic Tank #1 North near Hwy	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ST2-6'	2/23/99	Septic Tank #2 West of Main Road	ND	426	435	ND	ND	ND	ND	ND	ND	ND	ND
ST2-10'	2/23/99	Septic Tank #2 West of Main Road	ND	226	88	ND	ND	5	ND	ND	ND	ND	ND
ST3-6'	2/23/99	Septic Tank #3 East of Main Road	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ST3-10'	2/23/99	Septic Tank #3 East of Main Road	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ST2-CC	2/23/99	Concrete Sample Septic Tank #2	4	965	4020	15.25	ND	ND	ND	ND	ND	ND	ND
ST3-CC	2/23/99	Concrete Sample Septic Tank #3	ND	648	1380	ND	ND	ND	ND	ND	ND	ND	ND
UST6-15'	2/12/99	North of Apron, West Side	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
UST6-17'	2/12/99	North of Apron, West Side	ND	ND	ND	12.8	ND	ND	ND	ND	ND	ND	ND
UST7-15'	2/12/99	North of Apron, East Side	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
UST7-17'	2/12/99	North of Apron, East Side	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL			0.5	5.0-10	10-200	5.0	0.3-5.0	0.3-5.0	0.3-5.0	0.3-5.0	0.3-10	5-25	

DEFENSE ENVIRONMENTAL RESTORATION PROGRAM  
FORMERLY USED DEFENSE SITES  
FINDINGS AND DETERMINATION OF ELIGIBILITY

RICE AIR FIELD  
SAN BERNARDINO COUNTY, CALIFORNIA  
SITE NO. J09CA057300

FINDINGS OF FACT

1. Acquisitions by the Army for the site were as follows: 3,310.30 acres transferred from the Department of the Interior by Public Land Order No. 31, dated 14 August 1942; 1.70 acres transferred from the Department of the Interior by Public Land Order No. 181, dated 1 October 1943; 0.016 acres from the Atchison, Topeka, and Santa Fe Railway Company by License No. W-2972-eng-719, dated 6 January 1943, for two six-inch water pipelines. Total acquisition was 3,312.016 acres.
2. The Rice Army Air Field was one of several air support bases established for the California-Arizona Maneuver Area Desert Training Center. The land acquired from the railroad company for two six-inch water pipelines was purchased to allow for fresh water from a nearby river aqueduct to be brought to the airfield. The improvements made to the property during military occupation included three enlisted men's barracks, three officers quarters and club, two lavatories, several bathhouses, mess hall, several kitchens, several warehouses, generator building, link trainer building, pump house, water tank (50,000-gallon) and tower, two runways (150-foot wide by 5,000-foot long), taxi ways, and a concrete apron for aircraft. Also installed during military occupation were a site drainage and sewer system, a water system, an electric distribution system, and a gas fueling system consisting of three 25,000-gallon (all in one general area) and one 12,000-gallon (separate from the first three) tanks, station, and pumps.
3. The 3,312.00 acres obtained from the Department of the Interior was declared surplus by the War Department on 1 January 1946. Custody of these lands was assumed by the Department of the Interior on 31 July 1946. These lands were officially relinquished to the Department of the Interior on 5 March 1948 by Public Land Order 456. The license, W-2972-eng-719, for 0.016 acres with the Atchison, Topeka, and Santa Fe Railway Company was terminated effective 30 June 1949. Since disposal of the property by the military, the Department of the Interior has assumed control of the subject property. Portions of the former site property within Range 20 East of Township 1 South have been subdivided and transferred to other parties from a period between 1962 and 1965. Total disposal was 3,312.016 acres.

DETERMINATION

Based on the foregoing Findings of Fact, the site has been determined to be formerly used by the Department of Defense. It is therefore eligible for the Defense Environmental Restoration Program - Formerly Used Defense Sites established under 10 USC 2701 et seq.

6 Jun 94  
DATE

DEPitt  
for MILTON HUNTER  
Brigadier General, U.S. Army  
Commanding

PROJECT SUMMARY SHEET  
FOR  
DERP-FUDS CON/HTRW PROJECT NO. J09CA057301  
RICE AIR FIELD  
SITE NO. J09CA057300  
6 AUGUST 1993

PROJECT DESCRIPTION: Remove and dispose of three 25,000-gallon, one 12,000-gallon and one undetermined size underground storage tanks, soil samples in vicinity of removed storage tanks and backfill to grade. Two concrete fueling stations (three 25,000-gallon tanks), are located approximately 500 feet in from Highway 62. The station closest to the main highway is situated on a 10-by 30-foot concrete pad and contains two separate fueling areas. The second station is located approximately 45 feet further down the dirt access road from the first station. A third fueling area containing one 12,000-gallon tank was identified in the area east of the main access road between building 25 (warehouse) and building 31 (bath house). An encasement for an underground fuel tank (size unknown) was observed on the northern side of the apron and east of the road leading from the former camp area.

Figure 2 illustrates the approximate location of the three 25,000-gallon USTs (items 2 and 3), the 12,000-gallon UST (item 6) and the concrete encasement for the UST of unknown size (item 5).

PROJECT ELIGIBILITY: Airport tanks installed by the Army during use of the property. There has been no beneficial use since Army use.

POLICY CONSIDERATION: There are no policies which prevent proposal of this project.

PROPOSED PROJECT: Recommend CESPL investigate activities for remediation of contamination at this site.

FORM DD 1391: Attached.

DISTRICT POC: Mr. Jatin Desai at (213) 894-6266.

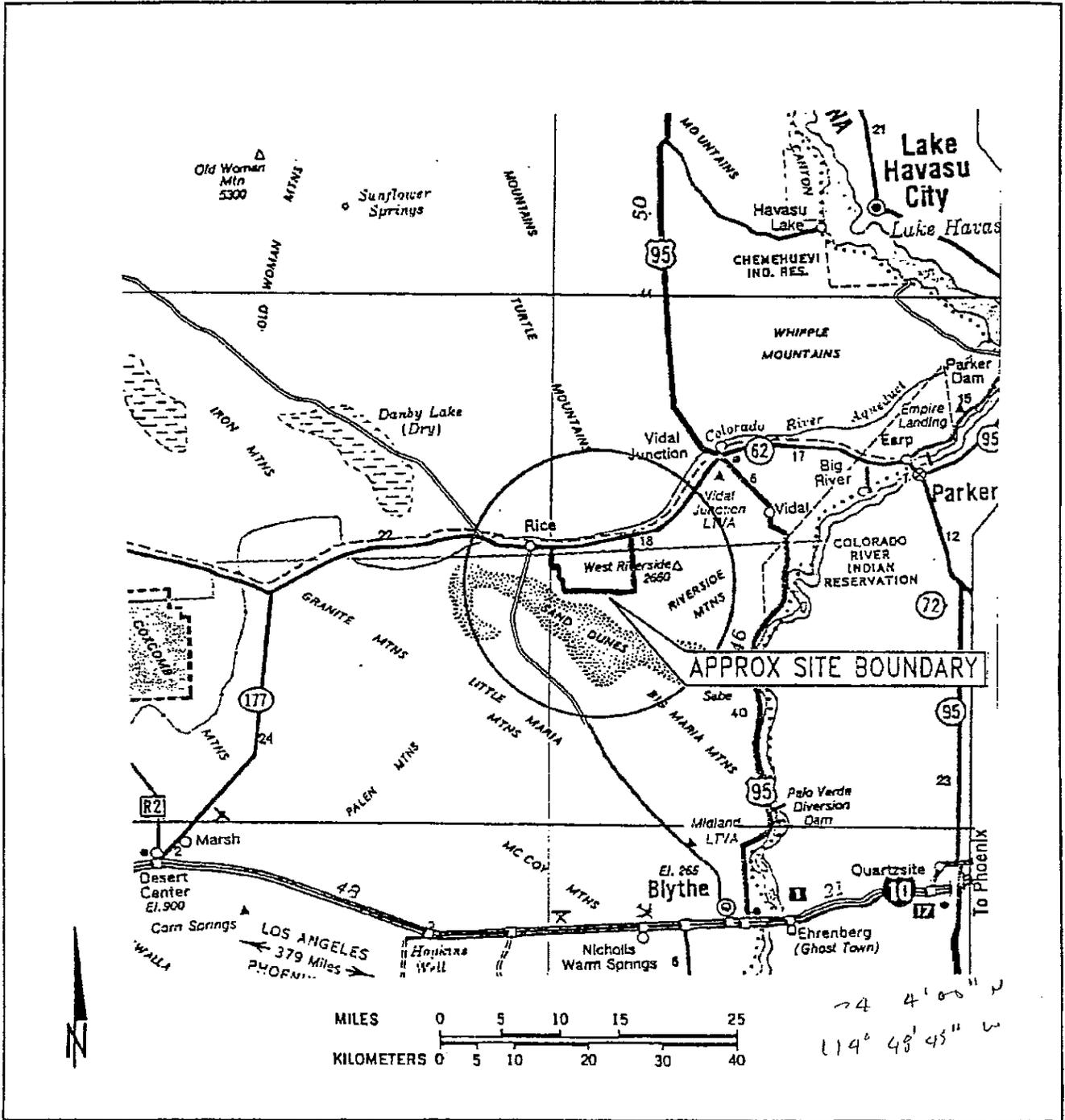


FIGURE 1  
SITE MAP

RICE AIR FIELD  
RICE, CALIFORNIA

Project No. 6E51-001  
Site No. J09CA057300

**DYNAMAC**  
CORPORATION  
*Environmental Services*



SITE

COLORADO RIVER AQUEDUCT

HIGHWAY 62

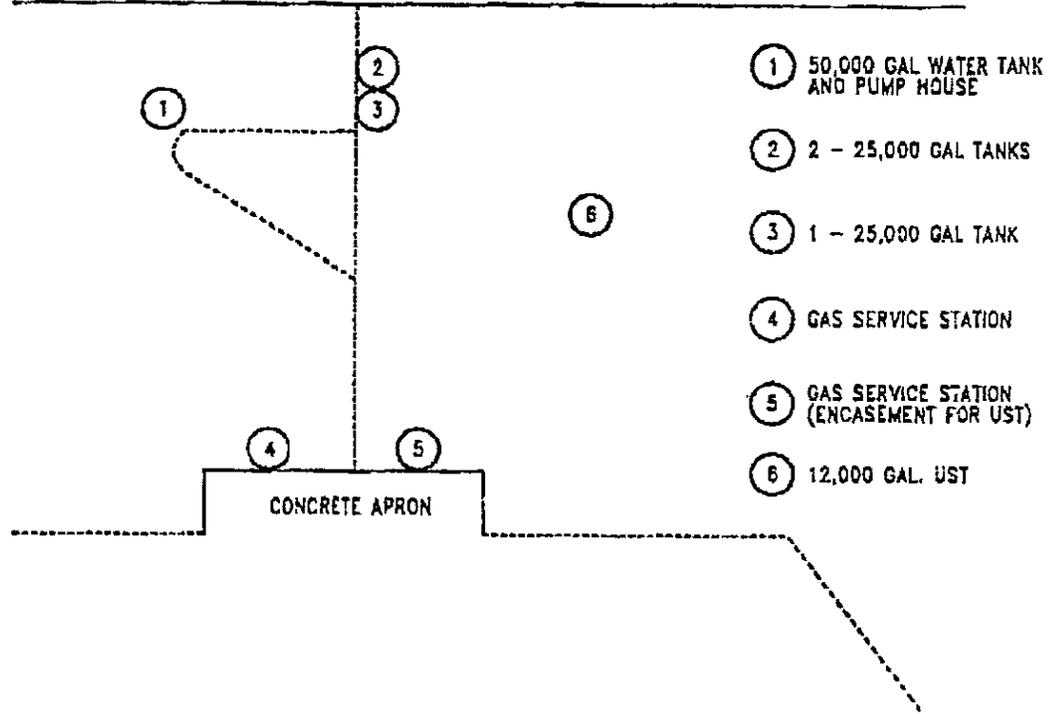


FIGURE 2  
UST LOCATION MAP

RICE AIR FIELD  
RICE, CALIFORNIA

Project No. 6E51-001  
Site No. J09CA057300



DEFENSE ENVIRONMENTAL RESTORATION PROGRAM  
FORMERLY USED DEFENSE SITES  
FINDINGS AND DETERMINATION OF ELIGIBILITY

ARMY CAMP - AT RIVERSIDE COUNTY LINE  
(CAMP RICE)  
RICE, CALIFORNIA  
SITE NO. J09CA718600

FINDINGS OF FACT

1. The Army acquired 1,920 acres in 1942 by means unknown from the Department of Interior, Bureau of Land Management (BLM).
2. The site, known as Camp Rice, was part of the Desert Training Center/California-Arizona Maneuver Area (DTC/CAMA), a complex of camps and training sites used by the Army during World War II. Very little information is available for Camp Rice. It was used as a camp site early in the development of DTC/CAMA, from approximately August to October 1942, by the 5<sup>th</sup> Armored Division. The site may have also been used for camp purposes briefly by the 6<sup>th</sup> Armored Division in early 1943. Aircraft technicians from nearby Rice Army Airfield may have also used it for a tent camp after the armored divisions departed. Camp Rice improvements currently evident consist of dirt roads oriented in a typical CAMA camp layout. Although little information is available regarding Army facilities or activities at Camp Rice, its typical CAMA layout suggests motor pool, kitchen, and administrative areas were once present. There may also have been one or more ranges located directly to the south of the site as was common for CAMA camps.
3. The Army retransferred the 1,920-acre site to the BLM by means unknown. No documentation is available for disposal of this property which is expected to have occurred sometime between 1943 and the late 1940s, following the end of World War II. Currently the camp is an historical site owned by the BLM. There are no improvements on the property with the exception of dirt roads and rock-lined paths.

DETERMINATION

Based on the foregoing Findings of Fact, this site has been determined to be formerly used by the Department of Defense. It is therefore eligible for the Defense Environmental Restoration Program - Formerly Used Defense Sites, established under 10 USC 2701 et seq.

DATE

21 Sep 99

*Peter T. Madsen*  
PETER T. MADSEN  
Colonel (P), U.S. Army  
Commanding

**SITE SURVEY SUMMARY SHEET**  
**FOR**  
**DERP-FUDS SITE NO. J09CA718600**  
**ARMY CAMP - AT RIVERSIDE COUNTY LINE**  
**(CAMP RICE)**  
**5 July 1999**

**SITE NAME:** Army Camp - At Riverside County Line; also known as Camp Rice and Rice Divisional Camp.

**LOCATION:** Camp Rice straddles the San Bernardino/Riverside County line on the south side of Highway 62, approximately 3 miles east of Rice, California.

**SITE HISTORY:** Camp Rice is located within the boundary of the Desert Training Center/California-Arizona Maneuver Area (DTC/CAMA) which was used by the Army for theater of operations training during World War II. No specific information is available on the acquisition or disposal of Camp Rice. It is assumed that the Army had some agreement with the Department of Interior, Bureau of Land Management (BLM) for use of the property. Camp Rice was established in spring of 1942 and is known to have occupied a minimum of 1,920 acres. The camp was used by the 5<sup>th</sup> Armored Division from approximately August to October 1942. It may have also been used by the 6<sup>th</sup> Armored Division briefly in early 1943 and subsequently as a tent camp by aircraft technicians from the nearby Rice Army Airfield (J09CA057300), however, these uses were not confirmed. No other military use of the property is believed to have taken place during the existence of the Desert Training Center. It is assumed that the site was retransferred to the BLM sometime between 1943 and the late 1940s, after the end of World War II. Camp Rice was temporary in nature with a layout typical of most CAMA camps, suggesting that there were probably motor pool, kitchen and administrative areas. In addition, the southern boundary roads of CAMA camps were typically known as "Range Road," south of which firing ranges would be located. Thus, there may have been one or more ranges located directly south of the camp. Military artifacts are still present at the site, and observations of expended bullets have been reported. Camp Rice is currently an historical site owned by the BLM.

**SITE VISIT:** The site was visited on 4 November 1998 by Kurt Schmidt of Science Applications International Corporation, San Diego, California. The primary site contact was John Key, Hazardous Materials Program Coordinator, Bureau of Land Management, Riverside, California.

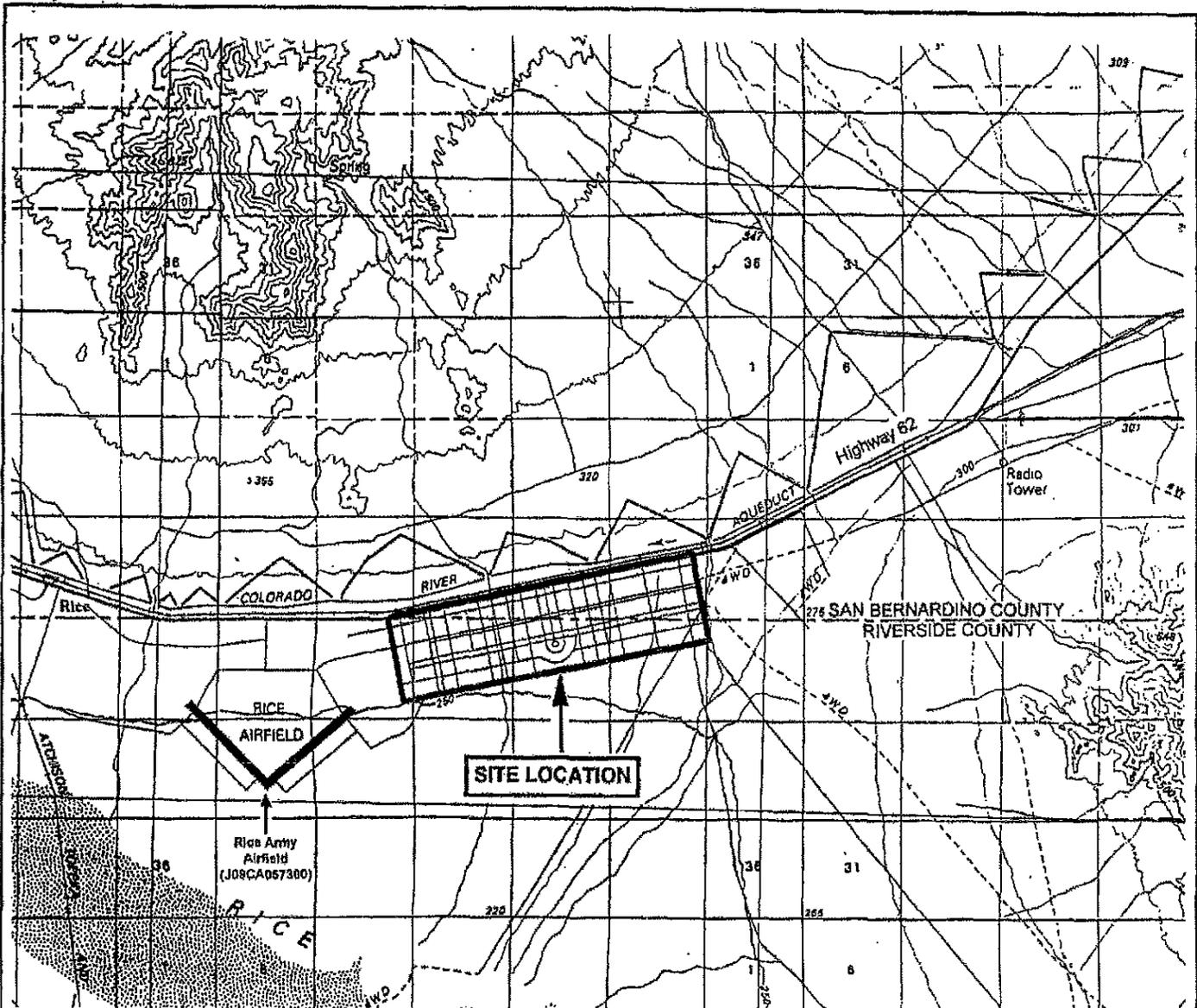
**CATEGORY OF HAZARD:** OE.

**PROJECT DESCRIPTION:** Recommend the Huntsville Engineering and Support Center make a determination regarding further investigation at this site.

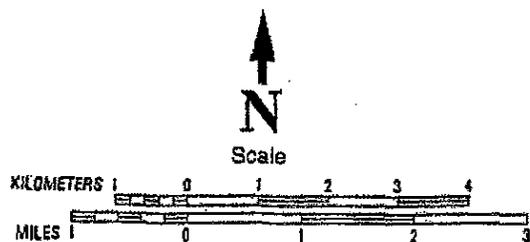
Site No. J09CA718600

AVAILABLE STUDIES AND REPORTS: None.

DISTRICT POC: Jeff Armentrout, Los Angeles District, (213) 452-3720.



Reference: Arizona-California, Parker (3444-AL-TM-100) Geological Survey, 1985.



	<b>SITE LOCATION</b> <b>ARMY CAMP - AT RIVERSIDE</b> <b>COUNTY LINE</b> <b>(CAMP RICE)</b> <b>J09CA718600</b> <b>Rice, CA</b>		
	PROJECT NO. 01-0255-04-7375		
DRAWN BY <b>SC</b>	CHECKED BY <b>KS</b>	DATE <b>7-99</b>	

**PROJECT SUMMARY SHEET**  
**FOR**  
**DERP-FUDS OE PROJECT NO. J09CA718601**  
**ARMY CAMP - AT RIVERSIDE COUNTY LINE**  
**(CAMP RICE)**  
**SITE NO. J09CA718600**  
**5 July 1999**

**PROJECT DESCRIPTION:** Camp Rice was one of the divisional camps constructed in the Desert Training Center/California-Arizona Maneuver Area (DTC/CAMA) during World War II. Very little is known about the activities that took place at the site other than the 5<sup>th</sup> Armored Division established their camp at this location between August and October 1942, and that it was possibly used by the 6<sup>th</sup> Armored Division and by aircraft technicians from nearby Rice Army Airfield. No direct evidence of ordnance use was discovered at the site during the site visit but other people have reported discovering expended bullets. The general layout of Camp Rice was typical of CAMA camps which commonly had firing ranges located adjacent to their south sides. For CAMA Camps Ibis, Granite, Essex, and Horn, various firing ranges were located adjacent to a road designated as "Range Road." Ranges at these camps were established for .30 cal., .45 cal., 60mm and 81mm mortar, and 37mm artillery practice. Therefore, Camp Rice may have had one or more of these types of ranges.

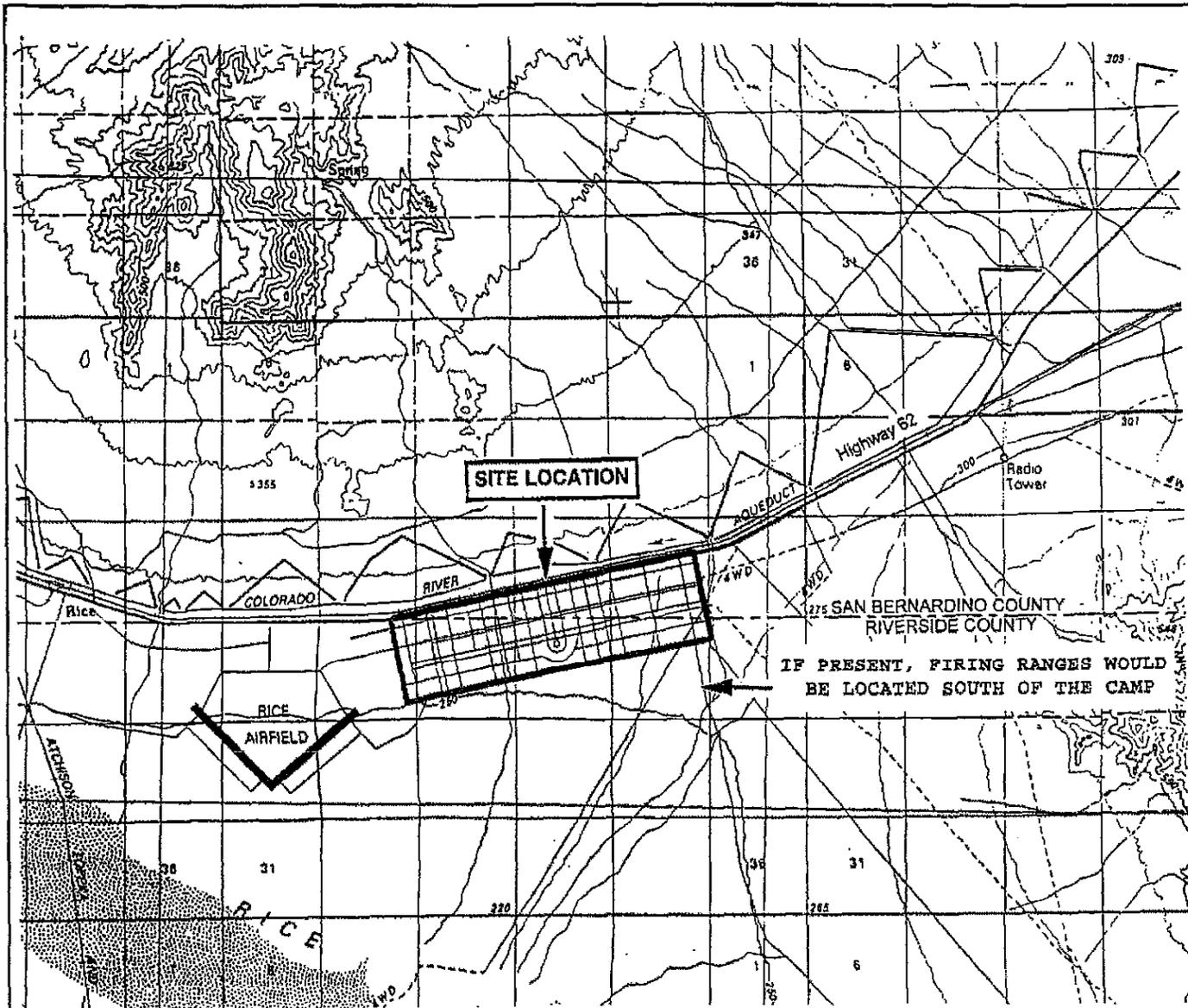
**PROJECT ELIGIBILITY:** This property was part of the DTC/CAMA and was occupied by the Army's 5<sup>th</sup> Armored Division from August to October 1942, although no specific real estate instrument governing the use of the property by the Army was located. A few CAMA maps and some oral history confirms the military use of this site for a brief period in 1942.

**POLICY CONSIDERATIONS:** No policy considerations exist that would prohibit proposal of this project.

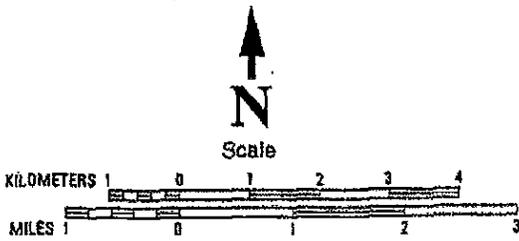
**PROPOSED PROJECT:** Recommend the Corps' Huntsville Engineering and Support Center make a determination if further action is appropriate.

**RAC FORM:** Attached.

**DISTRICT POC:** Request CEHND inform Mr. Jeffery B. Armentrout at (213) 452-3720 when a determination is made regarding project status.



Reference: Arizona-California, Parker (3444-AL-TM-100) Geological Survey, 1985.



	<b>OE PROJECT MAP ARMY CAMP - AT RIVERSIDE COUNTY LINE (CAMP RICE) J09CA718801 Rice, CA</b>		
	PROJECT NO. <b>01-0255-04-7375</b>		
	DRAWN BY <b>SC</b>	CHECKED BY <b>KS</b>	DATE <b>7-99</b>

RISK ASSESSMENT PROCEDURES FOR  
ORDNANCE AND EXPLOSIVES (OE) SITES

Site Name Army Camp at Riverside County Line  
(Camp Rice) Rater's Name Kurt Schmidt, Steve Cameron  
Site Location 3 miles East of Rice, CA Phone Number 858-826-2631 SAIC  
DERP Project # JPCA 718601 Organization LA DIST  
Date Completed 7/5/99 Score 4

OE RISK ASSESSMENT:

This risk assessment procedure was developed in accordance with MIL-STD 882C and AR 385-10. The Risk Assessment Code (RAC) score will be used by the U.S. Army Engineering and Support Center, Huntsville (USAESCH), Ordnance and Explosives Team (USAESCH-OE) to prioritize the remedial action(s) at Formerly Used Defense Sites (FUDS). The risk assessment should be based on the best available information resulting from records searches, reports of Explosive Ordnance Disposal (EOD) Detachments actions, field observations, interviews, and measurements. This information is used to assess the risk involved based on the potential OE hazards identified at the site. The risk assessment is composed of two factors, hazard severity and hazard probability. Personnel involved in visits to potential OE sites should view the USAESCH-OE videotape entitled "A Life Threatening Encounter: OEW".

Part I. Hazard Severity. Hazard severity categories are defined to provide a qualitative measure of the worst credible event resulting from personnel exposure to various types and quantities of unexploded ordnance.

TYPE OF ORDNANCE: (Circle all that apply)

VALUE

- |                                                      |           |
|------------------------------------------------------|-----------|
| A. Conventional ordnance and ammunition:             |           |
| Medium/large caliber (20mm and larger)               | 10        |
| Bombs, explosive                                     | <u>10</u> |
| Grenades, hand or rifle, explosive                   | 10        |
| Landmine, explosive                                  | 10        |
| Rockets, guided missile, explosive                   | 10        |
| Detonators, blasting caps, fuzes, boosters, bursters | 6         |
| Bombs, practice (w/spotting charges)                 | 6         |

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Grenades, practice (w/spotting charges)	4
Landmine, practice (w/spotting charges)	4
Small arms, complete round (.22 cal -.50 cal)	1
Small arms, expended	0
Practice ordnance (wo/spotting charges)	0

Conventional ordnance and ammunition (largest single value) 10

What evidence do you have regarding conventional unexploded ordnance? Expanded bullets are reported to have been found on the site. Other CAMA camps are known to have used small arms and medium/large caliber weapons. This site was part of CAMA.

B. Pyrotechnics (for munitions not described above): VALUE

Munition (containers) containing White Phosphorus (WP) or other pyrophoric material (i.e., spontaneously flammable)	10
---------------------------------------------------------------------------------------------------------------------	----

Munition containing a flame or incendiary material (i.e., Napalm, Triethylaluminum metal incendiaries)	6
--------------------------------------------------------------------------------------------------------	---

Flares, signals, simulators, screening smokes (other than WP)	4
---------------------------------------------------------------	---

Pyrotechnics (select the single largest value) 0

What evidence do you have regarding pyrotechnics? \_\_\_\_\_

C. Bulk High Explosives (HE) (not an integral part of conventional ordnance; uncontainerized): VALUE

Primary or initiating explosives (Lead Styphnate, Lead Azide, Nitroglycerin, Mercury Azide, Mercury Fulminate, Tetracene, etc.)	10
---------------------------------------------------------------------------------------------------------------------------------	----

Demolition charges	10
--------------------	----

Secondary explosives (PETN, Compositions A, B, C, Tetryl, TNT, RDX, HMX, HBX, Black Powder, etc.)	8
---------------------------------------------------------------------------------------------------	---

Military dynamite	6
Less sensitive explosives (Ammonium Nitrate, Explosive D, etc.)	3
High explosives (select the largest single value)	<u>0</u>

What evidence do you have regarding bulk explosives? \_\_\_\_\_

D. Bulk propellants (not an integral part of rockets, guided missiles, or other conventional ordnance; uncontainerized):

Solid or liquid propellants 6

Propellants 0

What evidence do you have regarding bulk propellants? \_\_\_\_\_

E. Chemical Warfare Materiel (CWM) and Radiological Weapons: VALUE

Toxic chemical agents (choking, nerve, blood, blister) 25

War Gas Identification Sets 20

Radiological 15

Riot Control Agents (vomiting, tear) 5

Chemical and Radiological (select the largest single value) 0

What evidence do you have regarding chemical or radiological? \_\_\_\_\_

TOTAL HAZARD SEVERITY VALUE (Sum of value A through E (maximum of 61)) 10

Apply this value to Table 1 to determine Hazard Severity Category

TABLE 1  
HAZARD SEVERITY\*

<u>DESCRIPTION</u>	<u>CATEGORY</u>	<u>HAZARD SEVERITY VALUE</u>
CATASTROPHIC	I	21 and/or greater
CRITICAL	II	10 to 20
MARGINAL	III	5 to 9
NEGLIGIBLE	IV	1 to 4
**NONE	V	0

\*Apply Hazard Severity Category to Table 3

\*\*If hazard severity value is 0, you do not need to complete Part II of this form. Proceed to Part III and use a RAC score of 5 to determine your appropriate action.

PART II. Hazard Probability. The probability that a hazard has been, or will be, created due to the presence and other rated factors of unexploded ordnance or explosive materials on a formerly used Department of Defense (DoD) site.

AREA, EXTENT, ACCESSIBILITY OF OE HAZARD (Circle all that apply)

A. Locations of OE hazards:	VALUE
On the surface	5
Within tanks, pipes, vessels, or other confined areas	4
Inside walls, ceilings, or other building/structure	3
Subsurface	2

Location (select the single largest value)

What evidence do you have regarding location of OE? Expended bullets are reported to have been discovered at the site. OE hazards have been discovered at other CAMA camps.

B. Distance to nearest inhabited location/structure likely to be at risk from OE hazard (road, park, playground, building, etc.)

VALUE

- Less than 1,250 feet 5
- 1,250 feet to 0.5 mile 4
- 0.5 mile to 1.0 mile 3
- 1.0 mile to 2.0 Miles 2
- Over 2 miles ①

Distance (select the single largest value)

1

What are the nearest inhabited structures/buildings? Nearest structure or building is atleast 3 miles away.

C. Number(s) of building(s) within a 2-mile radius measured from the OE hazard area, not the installation boundary.

VALUE

- 26 and over 5
- 16 to 25 4
- 11 to 15 3
- 6 to 10 2
- 1 to 5 1
- 0 ①

Number of buildings (select the single largest value)

0

Narrative: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

D. Types of Buildings (within a 2 mile radius)

VALUE

- Educational, child care, residential, hospitals hotels, commercial, shopping centers 5
- Industrial, warehouse, etc. 4

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Agricultural, forestry, etc.	3
Detention, correctional	2
No buildings	⑤
Types of buildings (select the single largest value)	<u>0</u>
Describe the types of buildings: _____	

E. Accessibility to site refers to access by humans to ordnance and explosives. Use the following guidance: VALUE

No barrier nor security system	⑤
Barrier is incomplete (e.g., in disrepair or does not completely surround the site). Barrier is intended to deny egress from the site, as for a barbed wire fence for grazing.	4
A barrier (any kind of fence in good repair) but no separate means to control entry. Barrier is intended to deny access to the site.	3
Security Guard, but no barrier	2
Isolated site	1
A 24-hour surveillance system (e.g., television monitoring or surveillance by guards or facility personnel continuously monitors and controls entry; or, an artificial or natural barrier (e.g., fence combined with a cliff) which completely surrounds the area; and, a means to control entry at all times through the gates or other entrances (e.g., an attendant, television monitors, locked entrances, or controlled roadway access to the area).	0

Accessibility (select the single largest value) 5

Describe the site accessibility: No fence or barrier prevents access to the site.

F. Site Dynamics. This deals with site conditions are subject to change in the future, but may be stable at the present. Examples would be excessive soil erosion on beaches or streams, increasing land development that could reduce distances from the site to inhabited areas or otherwise increase accessibility. VALUE

Expected 5  
 None anticipated ①

Site dynamics (select value) ①

Describe the site dynamics: Site is located on BLM property with no plans for changes or modifications in the future. Excessive soil erosion is not expected.

TOTAL HAZARD PROBABILITY VALUE (sum of largest values for A through F (maximum of 30) 11

Apply this value to Hazard Probability Table 2 to determine the Hazard Probability Level.

TABLE 2  
HAZARD PROBABILITY

<u>DESCRIPTION</u>	<u>LEVEL</u>	<u>HAZARD PROBABILITY VALUE</u>
FREQUENT	A	27 or greater
PROBABLE	B	21 to 26
OCCASIONAL	C	15 to 20
REMOTE	① D	① 8 to 14
IMPROBABLE	E	less than 8

\*Apply Hazard Probability Level to Table 3.

Part III. Risk Assessment. The risk assessment value for this site is determined using the following Table. Enter the results of the Hazard Probability and Hazard Severity values.

TABLE 3

PROBABILITY LEVEL	FREQUENT A	PROBABLE B	OCCASIONAL C	REMOTE D	IMPROBABLE E
SEVERITY CATEGORY:					
CATASTROPHIC I	1	1	2	3	4
CRITICAL II	1	2	3	4	5
MARGINABLE III	2	3	4	4	5
NEGLIGIBLE IV	3	4	4	5	5

RISK ASSESSMENT CODE (RAC)

- RAC 1 Expedite INPR, recommending further action by USAESCH-Immediately call USAESCH-OE-S (comm 256-895-1582/1598).
- RAC 2 High priority on completion of INPR-Recommend further action by USAESCH.
- RAC 3 Complete INPR-Recommend further action by USAESCH.
- RAC 4 Complete INPR-Recommend further action by USAESCH.
- RAC 5 Usually indicates that No DOD Action Indicated (NDAI) is necessary, Submit NDAI and RAC to USAESCH.

PART IV. Narrative. Summarize the documented evidence that supports this risk assessment. If no documented evidence was available, explain all the assumptions that you made. \_\_\_\_\_

See attached justification.

RISK ASSESSMENT PROCEDURES FOR  
ORDNANCE AND EXPLOSIVES (OE) SITES  
FOR  
DERP-FUDS PROJECT NO. J09CA718601  
ARMY CAMP - AT RIVERSIDE COUNTY LINE  
(CAMP RICE)  
SITE NO. J09CA718600  
RICE, CALIFORNIA

JUSTIFICATION

The Army Camp at the Riverside County Line, more commonly known as Camp Rice, occupies 1,920 acres, all owned by the Bureau of Land Management. The camp is located approximately 3 miles east of Rice, California, and straddles the San Bernardino/Riverside county line. Highway 62 forms the northern boundary. The structure nearest to the camp consist of an abandoned gasoline station at Rice, California. Rice essentially marks the intersection of Highway 62 and Blythe-Rice Road. Except for Highway 62, the camp site is located in a remote desert area. It is probably visited occasionally by people exploring the desert or by curious travelers attracted to the existing Camp Rice historical marker.

Camp Rice was part of the Desert Training Center/California-Arizona Maneuver Area (DTC/CAMA) and was known to have been occupied by the Army's 5th Armored Division from August to October 1942, in the early stages of the DTC/CAMA development. It is reported to have been occupied briefly by the 6th Armored Division in early 1943 and later by aircraft technicians from the nearby Rice Army Airfield, however, these uses were not confirmed. No official records are available pertaining to the facilities at Camp Rice or to the activities that occurred there. Firing ranges were associated with many CAMA camps and were commonly located adjacent to their southern boundaries. The southern boundaries of such camps typically consisted of a road identified as "Range Road" Ranges at other CAMA camps were established for .30 cal., .45 cal., 60mm and 81mm mortar, and 37mm artillery practice. Since the layout of Camp Rice was typical of other CAMA camps, one or more of these types of ranges may have been present. No ordnance artifacts were observed on the site during the site visit, however, expended bullets are reported to have been found by others. In addition, evidence of ranges or ordnance use was not observed in the area south of the camp. Excessive soil erosion or deposition by wind or flash floods was not noted.

A risk assessment score of 4 has been calculated, based on a Hazard Severity Category of II (critical) and a Hazard Probability Level of D (remote). Although the findings for the site do not appear to present a significant, immediate risk, the findings indicate some potential for the presence of ordnance or explosive materials. Therefore a RAC score of 4 seems appropriate, indicating that the potential threat to personnel be

ARCHAEOLOGICAL RESEARCH UNIT  
(714) 787-3885

RIVERSIDE, CALIFORNIA 92521

June 7, 1983

(ARU #732)

Gerald Hillier, District Manager  
USDI/Bureau of Land Management  
1695 Spruce Street  
Riverside, CA 92507

Dear Mr. Hillier:

On June 1-2, 1983, acting in the capacity of archaeological monitor, Carol Rector, ARU Staff Archaeologist, surveyed the third of several lines proposed for seismic testing for oil and gas exploration. The survey was performed at the request of Consolidated Georex Geophysics, Inc. (CGG), in the vicinity of Needles, California. It is our understanding that the archaeological inspection was required for compliance with the terms of CGG's Limited Use Permit allowing for the testing for oil and gas potential on lands under the administration of the Bureau of Land Management. The ARU holds Federal Antiquities Permit #82-CA-066 which authorizes us to conduct archaeological investigations on the subject federal lands.

Line R-1 is approximately 24 kilometers long and is located in Rice Valley in Riverside and San Bernardino counties, California. A xerox copy of the appropriate portion of the quadrangles showing the location of this line is attached.

CGG had flagged the entire line by placing stakes every 18 meters. Within the designated right-of-way, a corridor 17 meters wide was surveyed for the location of any archaeological or significant historical resources. As no archaeological or significant historical resources were found, no adverse impacts are expected from the proposed project.

Sincerely,

Philip J. Wilke  
Administrator and  
Principal Investigator

CR/kw

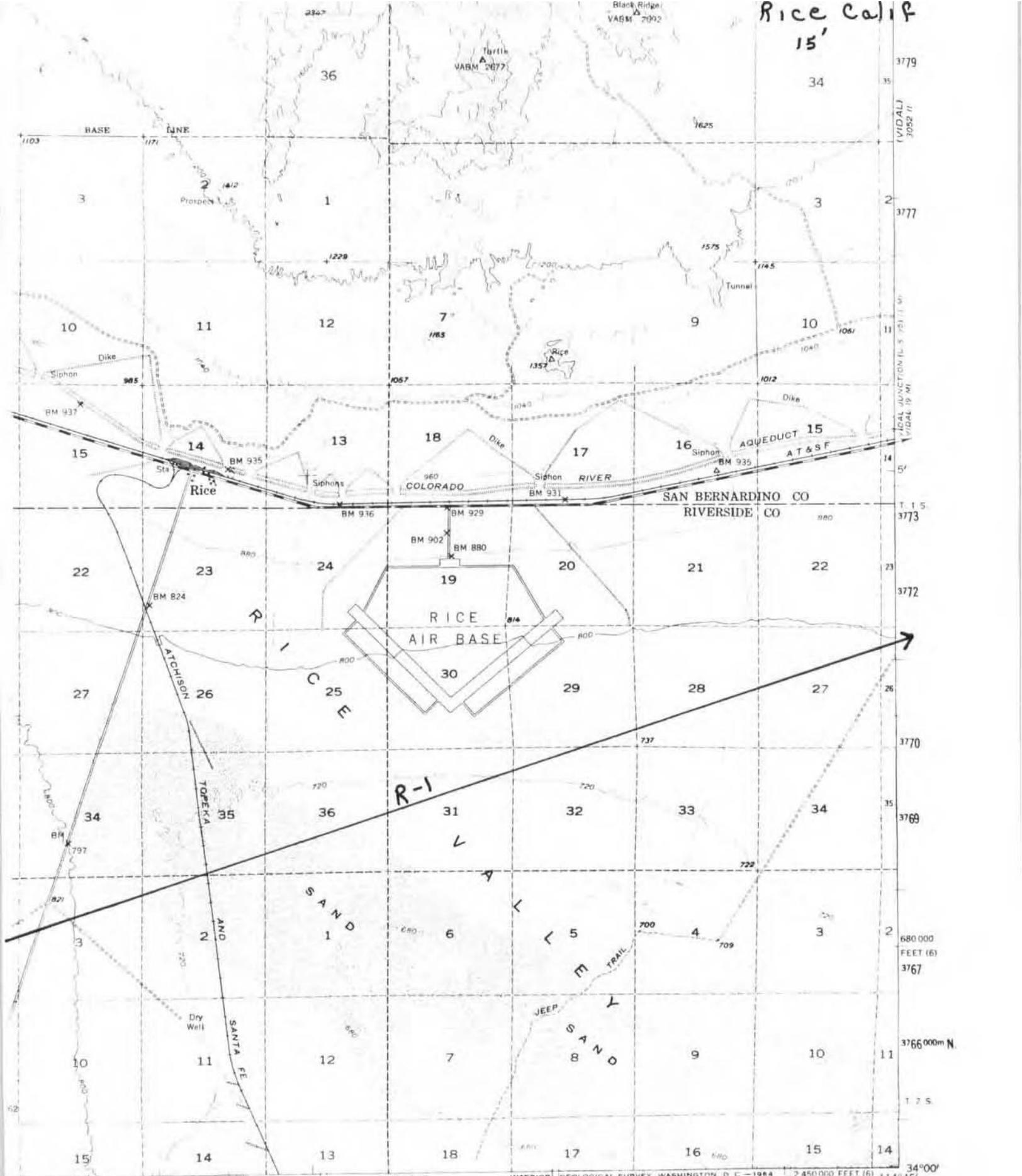
Enclosures

cc: Consolidated Georex Geophysics, Inc.  
Ruth Musser, Needles Resource Area

CASS



Rice Calif  
15'



(LAND) P 2016  
 1 62500  
 0 51 IV  
 698 699 501 701 000m E  
 INTERIOR GEOLOGICAL SURVEY WASHINGTON D C - 1964  
 2 450 000 FEET (6) 114° 45' R 21 E  
 34° 00'

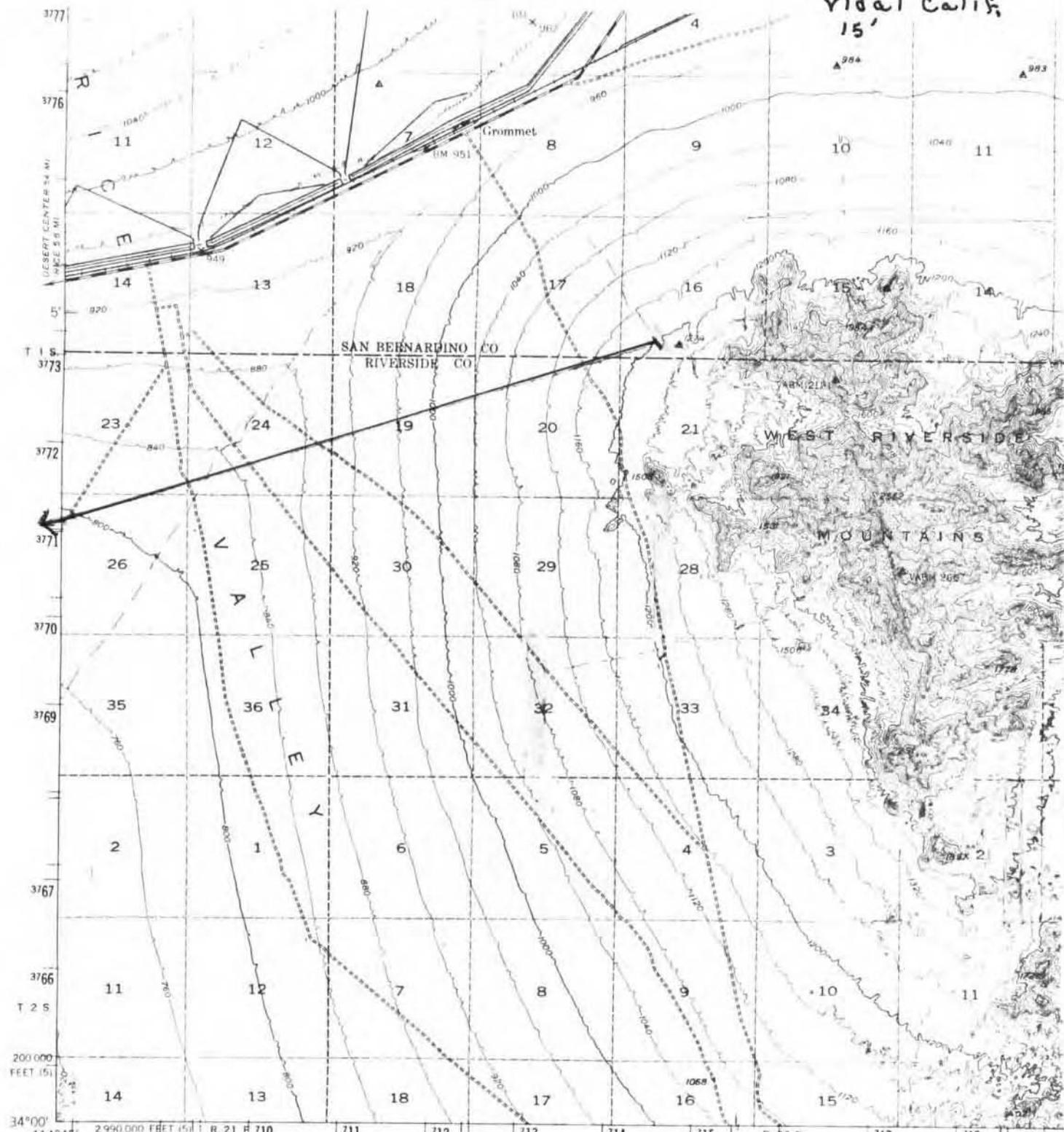
0 1000 2000 3000 4000 5000 FEET  
 2 3 4 5 KILOMETERS

**ROAD CLASSIFICATION**  
 1964  
 Medium duty ——— Light duty ———  
 (Unimproved dirt) - - -

680 000 FEET (6)  
 3767  
 3766 000m N  
 1 1 5  
 34° 00'

(BIG MARIA MTS.)  
 305'

Vidal Calif  
15'



R-1

Grommet 7.5

SCALE



CONTOUR IN  
DATUM IS M

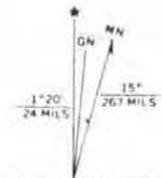
(MIDLAND)  
3051 IV

Mapped, edited, and published by the Geological Survey  
 Control by USGS, USC&GS, and Metropolitan  
 Water District of Southern California  
 Topography from aerial photographs by multiplex methods,  
 and by plane-table surveys 1949  
 Aerial photographs taken 1947

Polyconic projection 1927 North American datum  
 10,000 foot grid based on California coordinate system,  
 zones 5 and 6

Dashed land lines indicate approximate location  
 All mining operations on this map are inactive

1000-meter Universal Transverse Mercator grid ticks,  
 zone 11, shown in blue



UTM GRID AND 1949 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

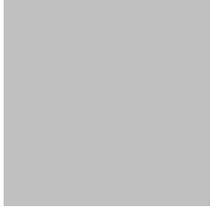
THIS MAP COMPLIES WITH NAT  
 FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER  
 A FOLDER DESCRIBING TOPOGRAPHIC MA

Potential

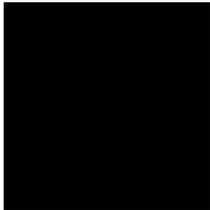
# WATER Production Facility

+/- 3,324 ACRES

± 2.75 Miles of HIGHWAY 62 Frontage



**“Rail Accessible”**  
to the North American Freight Rail System  
*connecting Canada, Mexico and the USA*



- **INDUSTRIAL DISTRIBUTION FACILITY**
- **TRUCKING TRANSPORTATION HUB**
- **RAIL/ TRUCK TERMINALS**
- **STORAGE FACILITIES**
- **SURFACE MINING**
- **AIRPORT**



## **Renewable Energy Site**

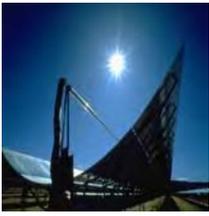
*Potentially one of the largest energy production sites in the USA*



- **HYDROGEN PRODUCTION FACILITY**
- **GEO-THERMAL Power Production**
- **Booster or Conversion Plants**
- **Electrical Power Plants**
- **Bio-Diesel Production**



Resort/ Master Planned Developments, Mobile Home Parks, Farming, Educational/ Correctional Institutions, Recreational Vehicle Parks, Trailer and Boat Storage Facilities.



**Potential**

# WATER PRODUCTION FACILITY



**LOCATION:** RICE, Riverside County CA. - Riverside Thomas Guide page L - 2

Located in the Southeastern Mojave Desert not far from the Southern California and Arizona Metropolitan area workforce Populations; the property encompasses 3,324 acres (5.2 square miles in area) with 2.75 miles of HIGHWAY 62 frontage; ideal for what could be one of the largest Renewable Energy/ Distribution facilities in the country. The property is relatively flat with a slight slope to the southeast

**WATER:**

The owners have just completed two (2) pilot wells, BOTH have water. A recent 24 hour pump test on one of the wells indicates that the well tested could produce +/- 2500 to 3500 gallons per minute OR HIGHER (see pump test results). Water QUALITY Testing results attached; experts are confident that there is sufficient potable underground water available for any type of proposed use.

**THE WATER RIGHTS ARE NOT ADJUDICATED; PRELIMINARY INDICATIONS ARE THAT THERE MAY BE ENOUGH WATER AVAILABLE TO FORM A DISTRICT.**

**RAIL:**

**THE SITE IS RAIL ACCESSIBLE TO THE NORTH AMERICAN FREIGHT RAILWAY SYSTEM THAT CONNECTS CANADA, MEXICO AND THE USA.**

*RAIL AMERICA* would consider installing the tracks and spur system to service the property that would tie into their Midland Road Line and could supply flat bed and tank cars if needed. They have indicated that they have been contacted by companies (*that may be interested in purchasing or leasing portions of the property*); companies that would utilize the site for a Trucking Distribution Access point to the Las Vegas, Riverside, Arizona and Phoenix markets.

**“HYDROGEN PRODUCTION OASIS”:** Chosen by the NATIONAL HYDROGEN ASSOCIATION as the “PREFERRED SITE” for the 2006 H2U Student Design Contest; where innovative design concepts using the newest Hydrogen and fuel cell technologies are used to design a self Sustainable Renewable Energy Production Facility. *“The H2U site selected is a site where new innovative design solutions have the potential to be implemented and possibly replicated in other areas”.*

Ideal for a HYDROGEN PRODUCTION FACILITY; the site is located in the Southeastern Mojave Desert; an area where insolation is among the best available in the United States, with easy Truck access to Interstate Highways, the availability of RAIL, SOLAR power, Wind Energy, WATER and the potential to connect into the *California-Arizona POWER CORRIDOR.*

**SOLAR DATA REFERENCE:** *Location using WGS-84 Data:* Latitude: 34.03’59.11N- Longitude: 114.48’57.78W- Time Zone: Pacific Standard Time. Solar zones outlined on the government’s internet based web sites indicate that the property would be conducive for Solar Power Generation.

**WIND:** A check of the government’s internet web sites will confirm that the area is rated for wind generation.

**ENVIRONMENTAL:** The sellers have been provided a US Army Corps of Engineers UST recommendation for Closure Report. The report indicates the site is clean; tanks, pipes, foundations and related materials associated with the old air base have been removed from the site.

Assessors Parcel Numbers: 801-042-004/ 801-062-012/ 801-070-003 & 004 and 801-100-005 & 006

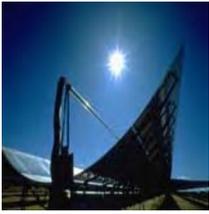
Offering Price: \$17,000,000.00/ +/- \$5,114.32 per acre

Scott Lisk,  
Senior Vice President  
off: 951.346.0805  
cell: 909.953.3824  
[slisk@naicapital.com](mailto:slisk@naicapital.com)



**NAI Capital**

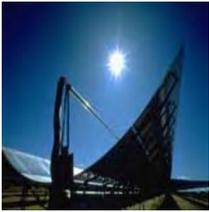
Commercial Real Estate Services, Worldwide.



# WATER

ESTIMATED +/- 2,500 – 3,500 GALLONS PER MINUTE





# WATER

ESTIMATED +/- 2,500 – 3,500 GALLONS PER MINUTE



## *AZCA Drilling & Pump, Inc.*

P.O. Box 570  
520-923-9118 Phone & Fax

AZ Lic. A, 135159, AZ Drilling Lic. 621, CA Lic. A, C57, HAZ - 753077

Ehrenberg, Arizona 85334  
Tucson Phone 520-290-8775

8/22/08

**RICE DEVELOPMENT, LLC  
22 VISTA ENTANTADA  
RANCHO MIRAGE, CA., 92270**

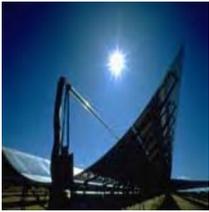
**DEAR MR. & MRS. JABIN:**

Enclosed are the test pump results on the **KENNEDY WELL AT RICE #2**. They show a specific yield of approximately 17gpm per foot of draw down in that 8 inch well which is exceptional in my opinion.

Based upon that information, I feel confident that we should be able to drill a 16 inch well to 1000 feet and produce 2500 to 3500gpm. My design for that well would be drilling a 22 inch diameter hole and installing 700 feet of blank casing and 300 feet of wire wrap screen in the well. The casing size would be 16 inch to accommodate the appropriate pump for the desired gallonage. The wire wrap screen in 16 inch would have over 50 times as much open area as your existing 8 inch slotted casing has. From my experience, I would expect to see specific yields from 25 to 50 gpm per foot of draw down **OR HIGHER** based upon the test pump results of **KWAR#2**.

**SINCERELY YOURS,**

**LARRY J. SIDDALL**



# WATER

ESTIMATED +/- 2,500 – 3,500 GALLONS PER MINUTE



## AZCA Drilling & Pump, Inc.

P.O. Box 570

520-923-9118 Phone & Fax

AZ Lic. A, 135159, AZ Drilling Lic. 621, CA Lic. A, C57, HAZ - 753077

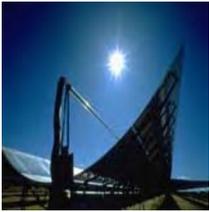
Ehrenberg, Arizona 85334

Tucson Phone 520-290-8775

### KENNEDY WELL AT RICE #2 24 HOUR TEST PUMP RESULTS 8/20/08 THRU 8/21/08

On 8/20/08 AZCA DRILLING & PUMP, INC conducted a pump test on the above listed well. Prior to conducting the test, the static water level was sounded at 364 feet below land surface. The pumping unit installed was a 60hp submersible turbine installed to a depth of approximately 600 feet. Below listed is the relevant information pertaining to this test pumping project.

DATE	TIME	PUMPING LEVEL	GPM	
8/21/08	7:30PM	382 FEET	380	
	8:00PM	383 FEET	380	
	8:30PM	386 FEET	380	
	9:00PM	386 FEET	380	
	9:30PM	386 FEET	380	
	10:00PM	388 FEET	380	
	10:30PM	386 FEET	380	
	11:00PM	384 FEET	380	
	11:30PM	384 FEET	380	
	12:00PM	386 FEET	380	
	8/22/08	12:30AM	385 FEET	380
		1:00AM	386 FEET	380
		1:30AM	384 FEET	380
2:00AM		383 FEET	380	
2:30AM		384 FEET	380	
3:00AM		386 FEET	380	
3:30AM		386 FEET	380	
4:00AM		388 FEET	380	
4:30AM		386 FEET	380	
5:00AM		386 FEET	380	
5:30AM		386 FEET	380	
6:00AM		384 FEET	380	
6:30AM		385 FEET	380	
7:00AM	386 FEET	380		
7:30AM	384 FEET	380		
8:30AM	386 FEET	380		
9:30AM	386 FEET	380		
10:30AM	385 FEET	380		



# WATER

ESTIMATED +/- 2,500 – 3,500 GALLONS PER MINUTE



## AZCA Drilling & Pumps, Inc.

P.O. Box 570  
520-923-9118 Phone & Fax

Ehrenberg, Arizona 85334  
Tucson Phone 520-290-8775

AZ Lic. A, 135159, AZ Drilling Lic. 621, CA Lic. A, C57, HAZ - 753077

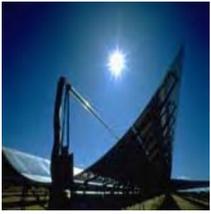
11:30AM	386 FEET	380
12:30PM	388 FEET	380
1:30PM	386 FEET	380
2:30PM	386 FEET	380
3:30PM	386 FEET	380
4:30PM	386 FEET	380
5:30PM	387 FEET	380
6:30PM	388 FEET	380
7:30PM	386 FEET	380

RECOVERY	7:31PM	370 FEET
	7:32PM	368 FEET
	7:33PM	368 FEET
	7:34PM	368 FEET
	7:35PM	368 FEET
	7:40PM	368 FEET
	7:45PM	368 FEET
	7:50PM	368 FEET

According to the meter reading we pumped 567,700 gallons in 24 hours which equates to 390gpm plus. Assuming an initial static level of 364 feet and an average pumping level of 386 feet, we have an average drawdown of 22 feet pump about 390gpm. This equates to a specific yield for that 8 inch well of 17.72 gallons per minute per foot of drawdown.

Respectfully submitted,

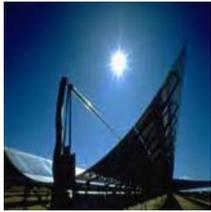
Larry J. Siddall



# ***WATER***

**ESTIMATED +/- 2,500 – 3,500 GALLONS PER MINUTE**





# WATER

ESTIMATED +/- 2,500 – 3,500 GALLONS PER MINUTE



ORIGINAL  
File with DWR

Page 1 of 1

Owner's Well No. Kennedy Well No. Rice #2

No. **1081782**

Date Work Began 8/16/08, Ended 8/14/08

Local Permit Agency Riverside County

Permit No. 34516 Permit Date 8/15/08

## STATE OF CALIFORNIA WELL COMPLETION REPORT

Refer to Instruction Pamphlet

DWR USE ONLY — DO NOT FILL IN

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

### GEOLOGIC LOG

ORIENTATION (±)		DRILLING METHOD	FLUID
<input checked="" type="checkbox"/> VERTICAL	<input type="checkbox"/> HORIZONTAL	<u>Rotary</u>	<u>Water</u>
Describe material, grain size, color, etc.			
DEPTH FROM SURFACE			
Ft. to Ft.			
0-5	top soil		
5-20	sandy gravel		
20-110	gravel with some clay		
110-130	brown clay		
130-140	brown clay with gravel		
140-170	brown clay		
170-310	gravel		
310-350	brown clay with gravel streaks		
350-410	brown clay		
410-460	blue clay		
460-740	brown clay		
740-790	brown clay + gravel		
790-810	blue clay + gravel		
810-850	gravel with brown clay		
850-870	blue clay		
870-890	gravel with clay		
890-920	clay with gravel streaks		
920-1000	gravel with clay		

### WELL OWNER

Name Rice Properties LLC  
Mailing Address 72 Vista Encinitas  
Rancho Mirage CA 92270

Address Highway 62 - 2 Miles E. of Rice  
City Rice  
County Riverside  
APN Book 801 Page 070 Parcel 004  
Township 15 Range 21E Section 20  
Lat \_\_\_\_\_ N Long \_\_\_\_\_ W

### LOCATION SKETCH

See Attached

### ACTIVITY (±)

- NEW WELL
- MODIFICATION/REPAIR
  - Deepen
  - Other (Specify)
- DESTROY (Describe Procedures and Material Under "GEOLOGIC LOG")
- USES (±)
  - WATER SUPPLY
    - Domestic
    - Public
    - Irrigation
    - Industrial
  - MONITORING
  - TEST WELL
  - CATHODIC PROTECTION
  - HEAT EXCHANGE
  - DIRECT PUSH
  - INJECTION
  - VAPOR EXTRACTION
  - SPARGING
  - REMEDIATION
  - OTHER (SPECIFY)

### WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 364 (Ft.) BELOW SURFACE  
DEPTH OF STATIC WATER LEVEL 364 (Ft.) & DATE MEASURED 8/19/08  
ESTIMATED YIELD \_\_\_\_\_ (GPM) & TEST TYPE \_\_\_\_\_  
TEST LENGTH \_\_\_\_\_ (Hrs.) TOTAL DRAWDOWN \_\_\_\_\_ (Ft.)  
\* May not be representative of a well's long-term yield.

DEPTH FROM SURFACE	BORE-HOLE DIA. (Inches)	CASING (S)				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	DEPTH FROM SURFACE	ANNULAR MATERIAL			
		TYPE (±)	BLANK	SCREEN	CON. DOCTOR						CE-MENT (±)	BEN-TONITE (±)	FILL (±)	FILTER PACK (TYPE/SIZE)
0-20	20	X	X			LC5	135	.250		0-20				
0-625	12 1/4	X				11	8	.250		0-400				4x16
625-705	12 1/4	X				11	8	.250	.060	400-415				4x16
705-745	12 1/4	X				11	8	.250	.060	415-985				4x16
745-985	12 1/4	X				11	8	.250						

### ATTACHMENTS (±)

- Geologic Log
  - Well Construction Diagram
  - Geophysical Log(s)
  - Soil/Water Chemical Analyses
  - Other \_\_\_\_\_
- ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

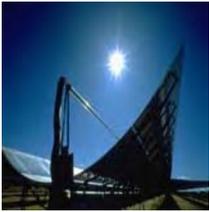
### CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Acce Drilling & Pump, Inc  
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS P.O. Box 570 Enumberg Az 85304  
CITY STATE ZIP

Signed [Signature] 8/20/08 753077  
DATE SIGNED C-57 LICENSE NUMBER



# WATER

ESTIMATED +/- 2,500 – 3,500 GALLONS PER MINUTE



COUNTY OF RIVERSIDE HEALTH SERVICES AGENCY  
DEPARTMENT OF ENVIRONMENTAL HEALTH

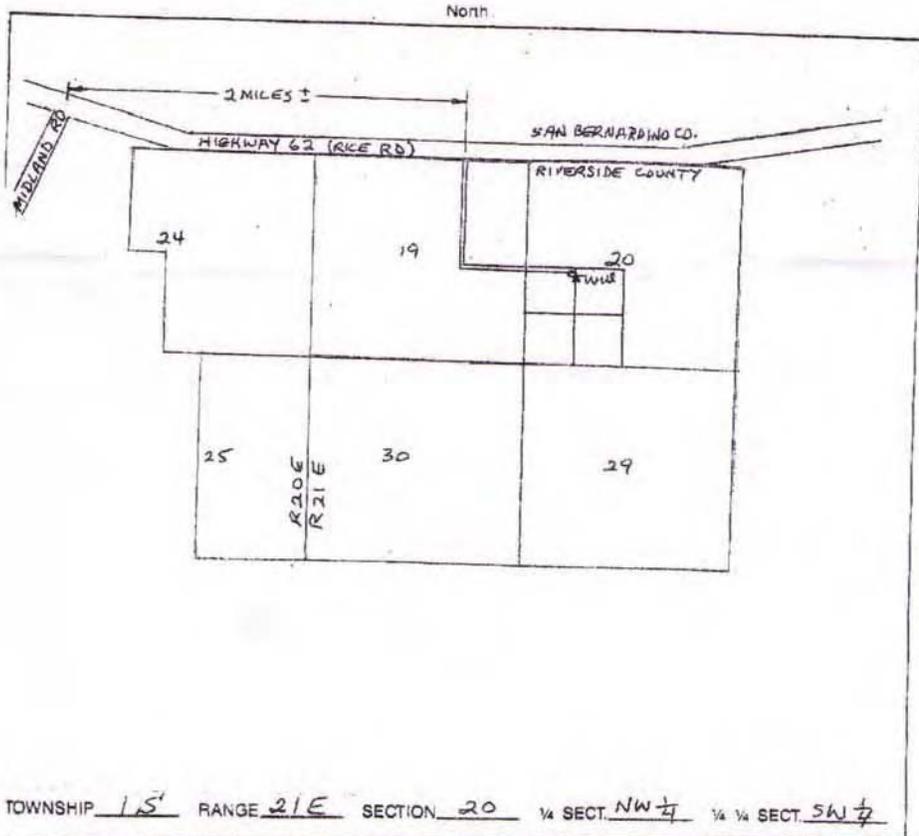
OWNER'S NAME: RICE DEVELOPMENT, LLC

SITE: NW 1/4 OF SW 1/4 OF SECTION 20

CITY: \_\_\_\_\_

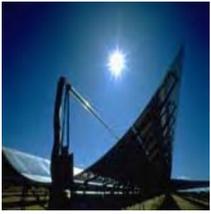
ASSESSOR'S P.M. NO. 801-070-004

Department Use Only  
PERMIT NO. 34516



NOTE: Please see reverse side for information which must be shown on this Plot plan in order to process this permit application.

VICINITY MAP

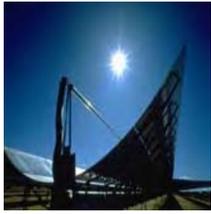


# **WATER**

**ESTIMATED +/- 2,500 – 3,500 GALLONS PER MINUTE**



08/20/2008



# WATER QUALITY TESTING RESULTS

ESTIMATED +/- 2,500 – 3,500 GALLONS PER MINUTE



17631 N. 25th Avenue • Phoenix, AZ 85023  
P (602) 324-6100 • F (602) 324-6101  
4585 S. Palo Verde Rd., Ste. 423 • Tucson, AZ 85714  
P (520) 327-1234 • F (520) 327-0518  
ADHS#0004

Azca Drilling & Pump, Inc. Valued Client P.O. Box 570 Ehrenberg, Arizona 85334	Project: General Testing Project Number: Azca Drilling & Pump, Inc. (8/21/08)	Reported: 09/02/08 14:41
-----------------------------------------------------------------------------------------	----------------------------------------------------------------------------------	-----------------------------

**Well Head (8081696-01) Drinking Water (Grab) Sampled: 08/21/08 08:00 Received: 08/22/08 09:40**

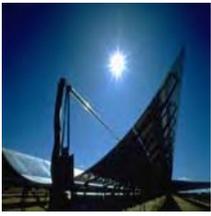
Analyte	Result	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Legend Technical Services of Arizona, Inc.									
<b>Microbiology</b>									
Total Coliforms	Absent		P/A	1	B8H0778	08/22/08 13:00	08/22/08 13:00	SM 9223 B	
E. coli	Absent		P/A	1	B8H0778	08/22/08 13:00	08/22/08 13:00	SM 9223 B	
<b>Total Metals</b>									
Arsenic	0.009	0.002	mg/L	1	B8H0706	08/21/08 11:07	08/24/08 23:59	EPA 200.9	
Copper	<0.010	0.010	mg/L	1	B8H0815	08/25/08 14:50	08/25/08 22:00	EPA 200.7	
Lead	<0.002	0.002	mg/L	1	B8H0960	08/28/08 11:43	08/28/08 12:36	EPA 200.9	
Sodium	333	10	mg/L	10	B8H0815	08/25/08 14:50	08/25/08 21:58	EPA 200.7	
<b>Inorganic Chemistry</b>									
Nitrate as N	1.90	0.20	mg/L	1	[CALC]	08/27/08 12:00	08/27/08 12:00	Calculation	
Nitrate + Nitrite	1.90	0.20	mg/L	1	B8H0922	08/27/08 12:00	08/27/08 12:00	SM 4500 NO3 F	
Nitrite as N	<0.10	0.10	mg/L	1	B8H0792	08/22/08 16:40	08/22/08 16:40	SM 4500 NO2 B	
pH	8.3		pH Units	1	B8H0790	08/22/08 17:00	08/22/08 17:00	SM 4500H B	H5
Temperature	21.6		°C	1	B8H0790	08/22/08 17:00	08/22/08 17:00	pH Temperature	H5
Total Dissolved Solids	880	1	mg/L	1	B8H0867	08/25/08 14:00	08/25/08 14:00	SM 2540 C	

**Case Narrative:**

**Holding Times:** All holding times were met unless otherwise qualified.  
**QA/QC Criteria:** All analyses met method requirements unless otherwise qualified.  
**Comments:** There were no problems encountered during the processing of the samples, unless otherwise noted.  
 Emailed prelim results to Larry Siddall @ Azcadrilling@aol.com on 08/29/08- BF  
 Emailed final PDF to Larry Siddall @ Azcadrilling@aol.com on 09/02/08- BF

**Notes and Definitions**

- M2 Matrix spike recovery was low, the method control sample recovery was acceptable.
- H5 This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.



**WATER**

# QUALITY TESTING RESULTS

ESTIMATED +/- 2,500 – 3,500 GALLONS PER MINUTE



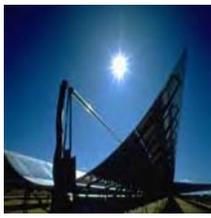
17631 North 25th Avenue • Phoenix, AZ • 85023  
(602) 324-6100 • F (602) 324-6101 • ADHS# AZ0004

4585 S. Palo Verde Road • Ste 423 • Tucson, AZ • 85714  
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Dear Valued Client:

Enclosed you will find your analytical report. If you have to call Legend Technical Services of Arizona (Legend) regarding your results, please have the laboratory number available. You will find this number in the bold, black bar on the analytical results page. It is in parenthesis. The first digit is the year the sample was submitted (i.e. 6 for 2006) and the second two digits is the month your sample was submitted (i.e. 01 for January). Below are definitions of some of the terms referred to on the analytical report. These terms will assist in interpreting the attached results.

- The **Analyte** column is the name of the test performed on the sample. The tests are grouped according to the department or laboratory in which they are performed.
- The **Result** column is the actual result. The **symbol <** is used to designate when a result is "less than" a particular number. If the analyte of interest is not detected in the sample, the result will be expressed as < the RL. Essentially this indicates that the analyte was not present in the sample at measurable levels. Analytical results are rarely expressed as an "zero".
- **RL** stands for Reporting Limit and is the least amount that the analyte can be accurately detected by the required methodology and our instrumentation. Any result detected below this value is not considered accurate.
- The **Units** column is the unit in which the sample was reported. **mg/L** stands for milligrams per Liter. mg/L is equal to parts per million or ppm and is the standard unit in which analytical results are expressed.
- A **Dilution** of the sample must be performed when a sample is analyzed and yields a result higher than what can be detected by the required methodology and our instrumentation. The dilution is automatically applied to the result and is also applied to the Reporting Limit.
- The next four columns are the **Batch** (identifies what group or batch of samples that each sample is analyzed in), **Prepared Date**, **Analyzed Date** and the **Method** that was used to analyze each sample.
- Any items in the **Notes** column are defined on the last page of the report.



# WATER

# QUALITY TESTING RESULTS

ESTIMATED +/- 2,500 – 3,500 GALLONS PER MINUTE



## LEGEND

Technical Services, Inc.

www.legend-group.com

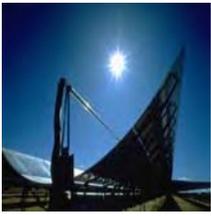
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The EPA establishes **drinking water standards**, which apply to all public water systems across the country. **MCL** stands for **Maximum Contaminant Level**. This is the maximum level of a particular contaminant allowed by the EPA. If your result is less than (<) this limit, the sample is within the acceptable limits allowed for drinking water. There are two types of standards: primary and secondary. Primary Maximum Contaminant Levels (MCLs) are health-based and are enforceable. Secondary MCLs are based on the aesthetic quality of water and are non-enforceable guidelines. The following chart includes some of the more common parameters tested for by private home owners for you to compare your results to.

Primary MCLs	
Antimony	0.006 mg/L
Arsenic	0.01 mg/L
Barium	2.0 mg/L
Cadmium	0.005 mg/L
Chromium	0.1 mg/L
Copper	1.3 mg/L
Cyanide	0.2 mg/L
Fluoride	4.0 mg/L
Lead	0.015 mg/L
Mercury	0.002 mg/L
Nitrate	10 mg/L
Nitrite	1 mg/L
Selenium	0.05 mg/L
Beryllium	0.004 mg/L
Thallium	0.002 mg/L
Secondary MCLs (guidelines)	
Aluminum	0.05 to 0.2 mg/L
Chloride	250 mg/L
Copper	1 mg/L
Fluoride	2.0 mg/L
Iron	0.3 mg/L
Manganese	0.05 mg/L
pH	6.5 to 8.5
Silver	0.10 mg/L
Sulfate	250 mg/L
Total Dissolved Solids (TDS)	500 mg/L
Zinc	5 mg/L
Hardness (Ca + Mg)	> 200 is considered hard water
Odor	3 Threshold Odor #
Color	15 Units
Surfactants (Foaming Agents)	0.5 mg/L

**THESE ARE NOT YOUR RESULTS!**



**WATER**

# QUALITY TESTING RESULTS

ESTIMATED +/- 2,500 – 3,500 GALLONS PER MINUTE



**LEGEND**

Technical Services, Inc.

[www.legend-group.com](http://www.legend-group.com)

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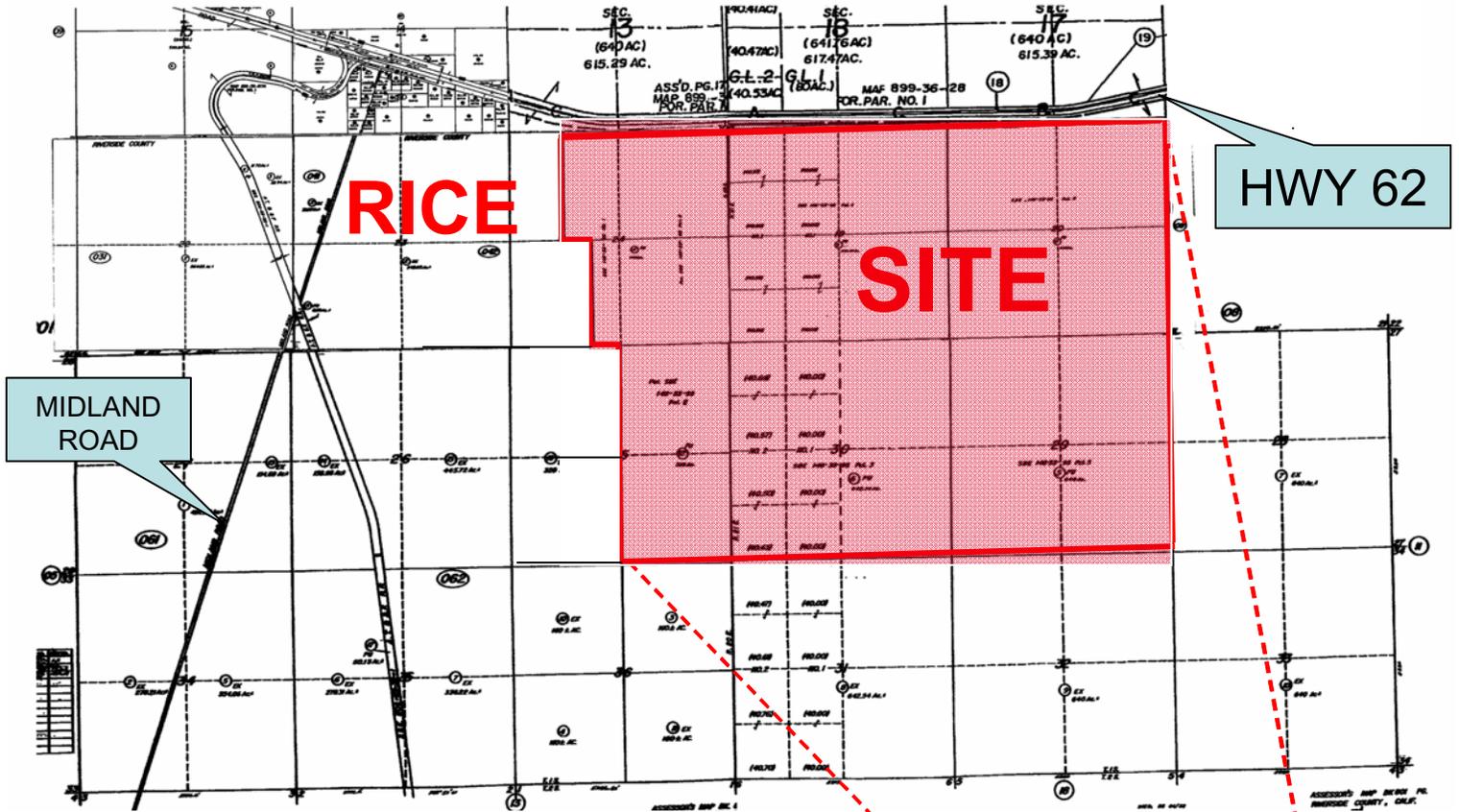
If you should have any other questions about your report, please contact Barb Frank at (602) 324-6149 Monday - Friday, 8:00AM-5:00PM. For information on drinking water problems and ways to resolve them, please call the EPA *Safe Drinking Water Hotline* at **1-800-426-4791** or **1-888-395-1033** for private well owners. You can also find information at the EPA website: [www.epa.gov/safewater](http://www.epa.gov/safewater).

Sincerely,  
**LEGEND TECHNICAL SERVICES OF ARIZONA.**

Barb Frank  
Project Manager

# Rice, California

3,324 acres



South Side of Hwy 62, East of Midland Rd, "Rice"  
Riverside County, CA – Riverside Thomas Guide Pg 391 L1 & L2

## Features:

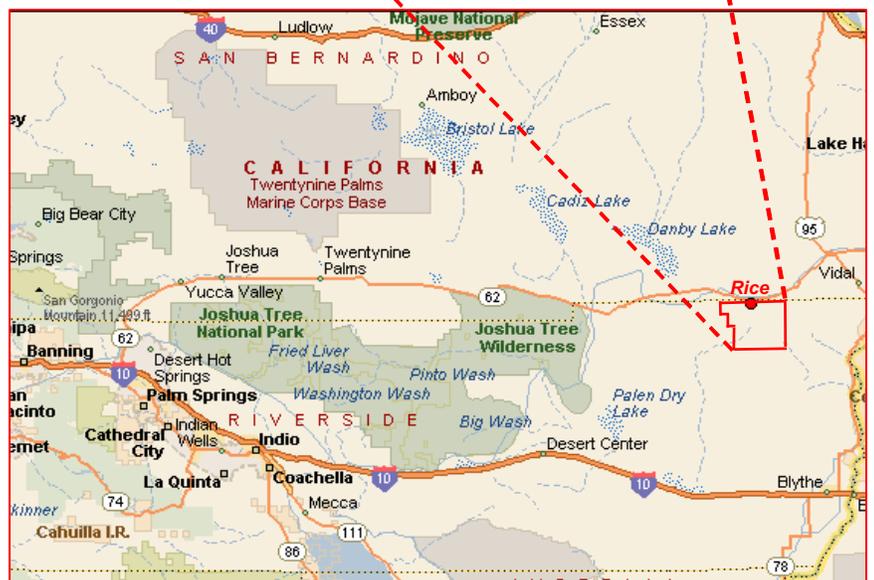
- Hwy 62 Frontage ( $\pm 2 \frac{3}{4}$  Miles)
- Former "Rice Airfield"
- Zoned W-2 (Controlled Development)

## Public Utilities Uses:

Facilities for Development and Transmission of Electrical Power and Gas, Hydroelectric Power Plants, Booster or Conversion Plants, Surface Mining.

## Other Uses Include:

Single Family Dwellings, Mobile Home Parks, Guest Ranches, Educational Institutions, Water Works Facilities, Nurseries, Greenhouses, Orchards, Packaging Plant, Churches, Airports, Mining Operations, Dune Buggy Parks, Recreational Vehicle Parks, Trailer and Boat Storage.



**NAI Capital**

Commercial Real Estate Services, Worldwide.

**Scott Lisk**  
Senior Vice President  
[slisk@naicapital.com](mailto:slisk@naicapital.com)

# Rice, California

3,324 acres

## SOUTHERN CALIFORNIA FREEWAYS



## LOCAL AREA FREEWAYS

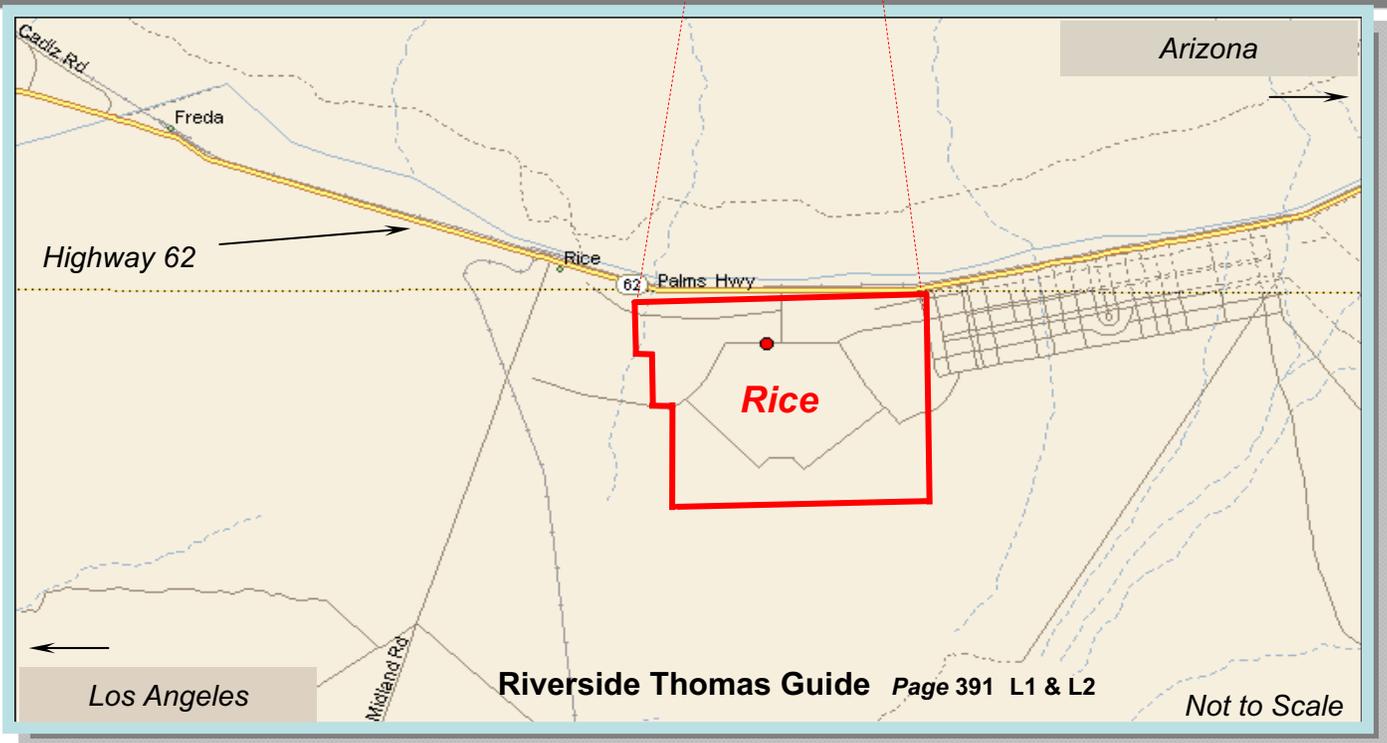
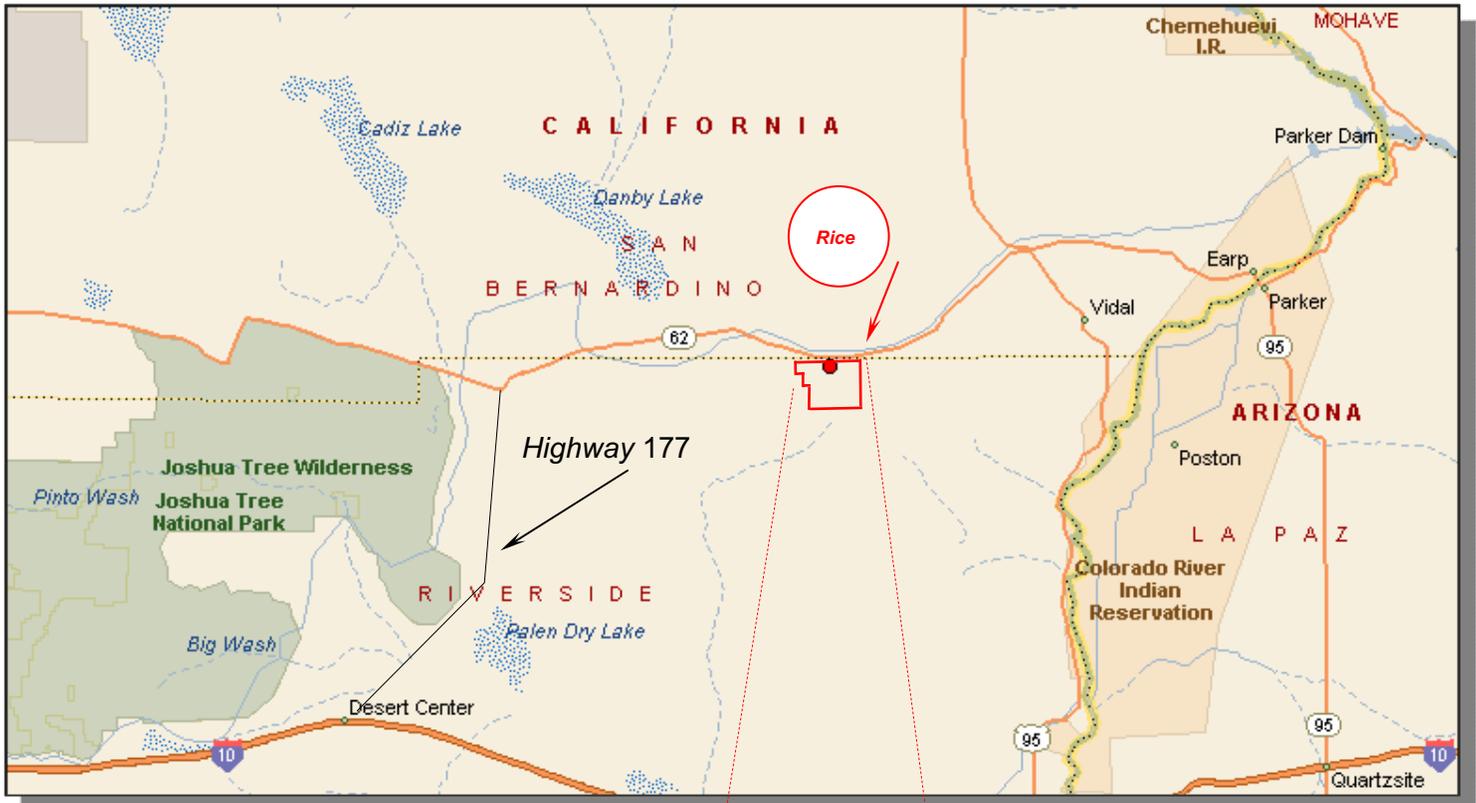
# Solar/ Geo-Thermal Potential

3,324 acres



# Rice, California

3,324 acres



+/- 2.75 Miles **HIGHWAY 62** Frontage

3,324 acres

## Topographical Overlay



Rail Accessible

3,324 acres

## Aerial Overview

Assessors Map Overlay



**Rail America**  
*Rice/ Blythe Tracks*

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## **APPENDIX D**

### **Environmental Database Information**

**Former Rice Airfield**

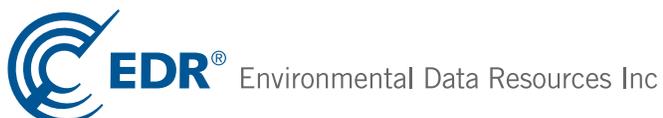
Hwy 62, Mile Marker 109

Rice, CA 92239

Inquiry Number: 2438602.2s

March 11, 2009

**The EDR Radius Map™ Report with GeoCheck®**



440 Wheelers Farms Road  
Milford, CT 06461  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

HWY 62, MILE MARKER 109  
RICE, CA 92239

#### COORDINATES

Latitude (North): 34.065800 - 34° 3' 56.9"  
Longitude (West): 114.810900 - 114° 48' 39.2"  
Universal Transverse Mercator: Zone 11  
UTM X (Meters): 702025.6  
UTM Y (Meters): 3771419.5  
Elevation: 820 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 34114-A7 RICE, CA  
Most Recent Revision: 1983

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2007, 2005

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

### STANDARD ENVIRONMENTAL RECORDS

#### *Federal NPL site list*

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites

## EXECUTIVE SUMMARY

### ***Federal CERCLIS list***

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System

### ***Federal CERCLIS NFRAP site List***

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Transporters, Storage and Disposal

### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators

RCRA-SQG..... RCRA - Small Quantity Generators

RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

### ***Federal institutional controls / engineering controls registries***

US ENG CONTROLS..... Engineering Controls Sites List

US INST CONTROL..... Sites with Institutional Controls

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

### ***State- and tribal - equivalent NPL***

RESPONSE..... State Response Sites

### ***State- and tribal - equivalent CERCLIS***

ENVIROSTOR..... EnviroStor Database

### ***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF..... Solid Waste Information System

### ***State and tribal leaking storage tank lists***

LUST..... Geotracker's Leaking Underground Fuel Tank Report

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

### ***State and tribal registered storage tank lists***

UST..... Active UST Facilities

INDIAN UST..... Underground Storage Tanks on Indian Land

### ***State and tribal voluntary cleanup sites***

VCP..... Voluntary Cleanup Program Properties

## EXECUTIVE SUMMARY

INDIAN VCP..... Voluntary Cleanup Priority Listing

### ADDITIONAL ENVIRONMENTAL RECORDS

#### **Local Brownfield lists**

US BROWNFIELDS..... A Listing of Brownfields Sites

#### **Local Lists of Landfill / Solid Waste Disposal Sites**

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
ODI..... Open Dump Inventory  
WMUDS/SWAT..... Waste Management Unit Database  
SWRCY..... Recycler Database  
HAULERS..... Registered Waste Tire Haulers Listing  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

#### **Local Lists of Hazardous waste / Contaminated Sites**

US CDL..... Clandestine Drug Labs  
HIST Cal-Sites..... Historical Calsites Database  
SCH..... School Property Evaluation Program  
Toxic Pits..... Toxic Pits Cleanup Act Sites  
CDL..... Clandestine Drug Labs

#### **Local Lists of Registered Storage Tanks**

CA FID UST..... Facility Inventory Database  
SWEEPS UST..... SWEEPS UST Listing

#### **Local Land Records**

LIENS 2..... CERCLA Lien Information  
LUCIS..... Land Use Control Information System  
LIENS..... Environmental Liens Listing  
DEED..... Deed Restriction Listing

#### **Records of Emergency Release Reports**

CHMIRS..... California Hazardous Material Incident Report System  
LDS..... Land Disposal Sites Listing  
MCS..... Military Cleanup Sites Listing

#### **Other Ascertainable Records**

RCRA-NonGen..... RCRA - Non Generators  
DOT OPS..... Incident and Accident Data  
DOD..... Department of Defense Sites  
FUDS..... Formerly Used Defense Sites  
UMTRA..... Uranium Mill Tailings Sites  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
SSTS..... Section 7 Tracking Systems  
ICIS..... Integrated Compliance Information System  
RADINFO..... Radiation Information Database

## EXECUTIVE SUMMARY

CA BOND EXP. PLAN..... Bond Expenditure Plan  
CA WDS..... Waste Discharge System  
Cortese..... "Cortese" Hazardous Waste & Substances Sites List  
Notify 65..... Proposition 65 Records  
WIP..... Well Investigation Program Case List  
INDIAN RESERV..... Indian Reservations  
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing

### EDR PROPRIETARY RECORDS

#### *EDR Proprietary Records*

EDR Historical Auto Stations.. EDR Proprietary Historic Gas Stations  
EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

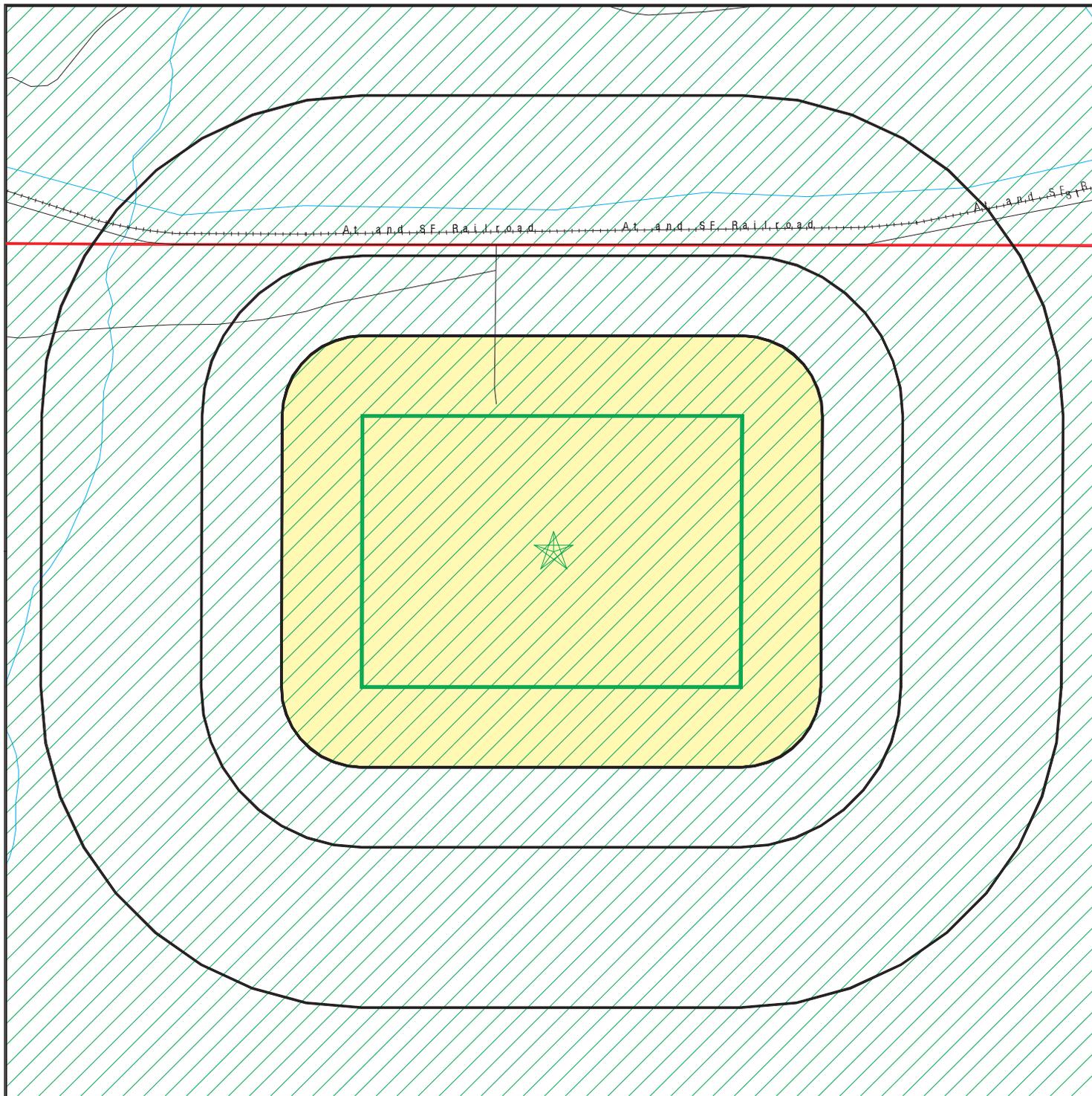
Unmappable (orphan) sites are not considered in the foregoing analysis.

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
EAGLE MTN CLASS III 99-061	WMUDS/SWAT, CA WDS, LDS
DESERT CENTER SANITARY 98-002	WMUDS/SWAT, CA WDS, LDS
MWD/JULIAN HINDS PUMPING PLANT	SWEEPS UST
MWD/EAGLE MOUNTAIN PUMPING PLT	SWEEPS UST
TEXACO DESERT CENTER	SWEEPS UST
EXXON CHUCKWALLA	SWEEPS UST
KAISER EAGLE MOUNTAIN	CERC-NFRAP
CALTRANS DESERT CENTER	LUST
MWD/EAGLE MOUNTAIN PUMPING	UST
MWD/EAGLE MOUNTAIN PUMPING	UST
STANCO	UST
IRON MOUNTAIN PUMPING STN	UST
SOUTHERN CALIFORNIA GAS COMPANY DE	RCRA-SQG
METROPOLITAN WATER DISTRICT OF SOU	RCRA-SQG
EAGLE MOUNTAIN PUMPING PLANT	RCRA-SQG
CAMP RICE (ARMY)	ENVIROSTOR
ARMY CAMP	ENVIROSTOR
ARMY AIRPORT	ENVIROSTOR

# OVERVIEW MAP - 2438602.2s



 Target Property

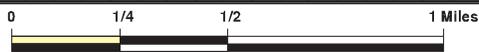
 Sites at elevations higher than or equal to the target property

 Sites at elevations lower than the target property

 Manufactured Gas Plants

 National Priority List Sites

 Dept. Defense Sites



 Indian Reservations BIA

 Areas of Concern

 County Boundary

 Oil & Gas pipelines

 100-year flood zone

 500-year flood zone

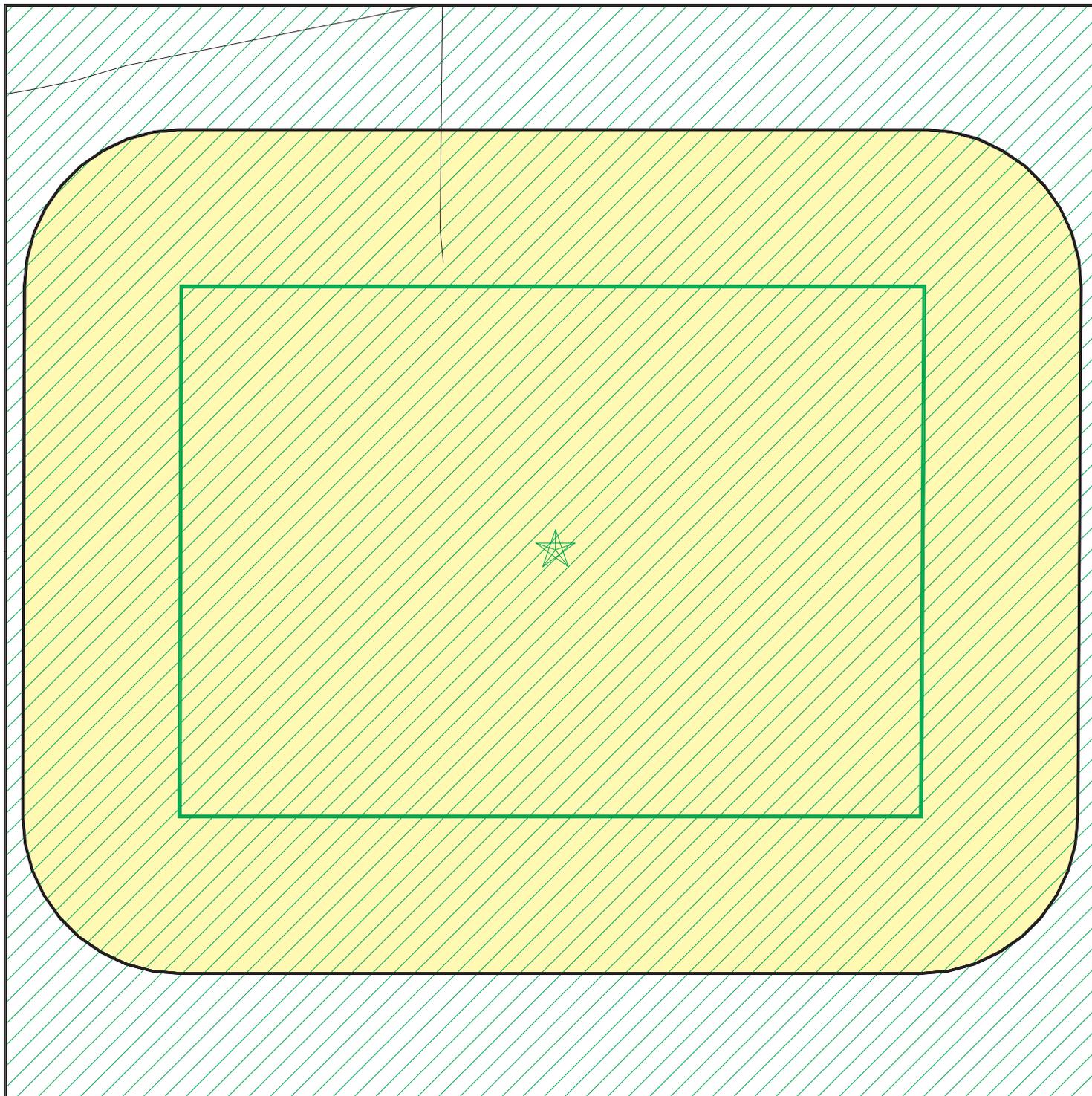


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Former Rice Airfield  
 ADDRESS: Hwy 62, Mile Marker 109  
 Rice CA 92239  
 LAT/LONG: 34.0658 / 114.8109

CLIENT: Terracon  
 CONTACT: jinny park  
 INQUIRY #: 2438602.2s  
 DATE: March 11, 2009 8:47 am

# DETAIL MAP - 2438602.2s



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites



-  Indian Reservations BIA
-  Oil & Gas pipelines
-  100-year flood zone
-  500-year flood zone
-  Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Former Rice Airfield  
 ADDRESS: Hwy 62, Mile Marker 109  
 Rice CA 92239  
 LAT/LONG: 34.0658 / 114.8109

CLIENT: Terracon  
 CONTACT: jinny park  
 INQUIRY #: 2438602.2s  
 DATE: March 11, 2009 8:49 am

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS		0.500	0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS		1.000	0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS		TP	NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL</i></b>								
RESPONSE		1.000	0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
ENVIROSTOR		1.000	0	0	0	0	NR	0
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF		0.500	0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
<b><i>State and tribal registered storage tank lists</i></b>								
UST		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<b><i>State and tribal voluntary cleanup sites</i></b>								
VCP		0.500	0	0	0	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN VCP		0.500	0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS		TP	NR	NR	NR	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		TP	NR	NR	NR	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
HAULERS		TP	NR	NR	NR	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US CDL		TP	NR	NR	NR	NR	NR	0
HIST Cal-Sites		1.000	0	0	0	0	NR	0
SCH		TP	NR	NR	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
CA FID UST		0.250	0	0	NR	NR	NR	0
SWEEPS UST		0.250	0	0	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
LIENS		TP	NR	NR	NR	NR	NR	0
DEED		TP	NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
CHMIRS		1.000	0	0	0	0	NR	0
LDS		TP	NR	NR	NR	NR	NR	0
MCS		TP	NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA-NonGen		TP	NR	NR	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		TP	NR	NR	NR	NR	NR	0
FUDS		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN		1.000	0	0	0	0	NR	0

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA WDS		TP	NR	NR	NR	NR	NR	0
Cortese		1.000	0	0	0	0	NR	0
Notify 65		1.000	0	0	0	0	NR	0
WIP		0.250	0	0	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0

### EDR PROPRIETARY RECORDS

#### *EDR Proprietary Records*

EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NO SITES FOUND

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
DESERT CENTER	S104816282	CAL TRANS DESERT CENTER	129476 HIGHWAY 60	92239	LUST
DESERT CENTER	S106929754	MWD/JULIAN HINDS PUMPING PLANT	DESERT CENTER	92239	SWEEPS UST
DESERT CENTER	S106929753	MWD/EAGLE MOUNTAIN PUMPING PLT	DESERT CENTER	92239	SWEEPS UST
DESERT CENTER	U003802897	MWD/EAGLE MOUNTAIN PUMPING	EAGLE MOUNTAIN RD	92239	UST
DESERT CENTER	1000167580	SOUTHERN CALIFORNIA GAS COMPANY DE	SOUTH FRONTAGE ROAD	92239	RCRA-SQG
DESERT CENTER	1000192462	METROPOLITAN WATER DISTRICT OF SOU	INTERSECTION OF INTERSTATE 10	92239	RCRA-SQG
DESERT CENTER	U003982328	MWD/EAGLE MOUNTAIN PUMPING	15500 KAISER TRUCK RD	92239	UST
DESERT CENTER	1000111574	EAGLE MOUNTAIN PUMPING PLANT	10 MI N OF DESERT CENTER 4 S	92239	RCRA-SQG
DESERT CENTER	1003879899	KAISER EAGLE MOUNTAIN	N OF HWY 10 8M OFF KAISER RD.	92239	CERC-NFRAP
DESERT CENTER	U003666246	STANCO	29560 RAGSDALE RD	92239	UST
DESERT CENTER	S106932871	TEXACO DESERT CENTER	29560 RAGSDALE RD	92239	SWEEPS UST
DESERT CENTER	S106925949	EXXON CHUCKWALLA	27725 RICE RD	92239	SWEEPS UST
DESERT CENTER	S102267013	EAGLE MTN CLASS III 99-061	PO BOX 8	92239	SWEEPS UST
DESERT CENTER	S103341820	DESERT CENTER SANITARY 98-002	17-991 KAISER RD	92239	WMUDS/ISWAT, CA WDS, LDS
DESERT CENTER	U003976906	IRON MOUNTAIN PUMPING STN	6001 IRON MTN PUMPING PLANT RD	92239	WMUDS/ISWAT, CA WDS, LDS
EARP	S107736046	CAMP RICE (ARMY)	(3 MILES EAST OF)		UST
RICE	S107735863	ARMY CAMP	(14 MILES WEST OF)		ENVIROSTOR
RICE	S107735861	ARMY AIRPORT	(1.8 MILES EAST OF)		ENVIROSTOR

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## **STANDARD ENVIRONMENTAL RECORDS**

### ***Federal NPL site list***

#### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 09/29/2008	Source: EPA
Date Data Arrived at EDR: 10/10/2008	Telephone: N/A
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 01/26/2009
Number of Days to Update: 40	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/29/2008	Source: EPA
Date Data Arrived at EDR: 10/10/2008	Telephone: N/A
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 01/26/2009
Number of Days to Update: 40	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: Quarterly

### ***Federal CERCLIS list***

#### **CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System**

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/07/2008  
Date Data Arrived at EDR: 10/16/2008  
Date Made Active in Reports: 12/08/2008  
Number of Days to Update: 53

Source: EPA  
Telephone: 703-412-9810  
Last EDR Contact: 01/30/2009  
Next Scheduled EDR Contact: 04/13/2009  
Data Release Frequency: Quarterly

## ***Federal CERCLIS NFRAP site List***

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007  
Date Data Arrived at EDR: 12/06/2007  
Date Made Active in Reports: 02/20/2008  
Number of Days to Update: 76

Source: EPA  
Telephone: 703-412-9810  
Last EDR Contact: 01/26/2009  
Next Scheduled EDR Contact: 03/16/2009  
Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/11/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 27

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 03/03/2009  
Next Scheduled EDR Contact: 06/01/2009  
Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 02/20/2009  
Next Scheduled EDR Contact: 05/18/2009  
Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 02/20/2009  
Next Scheduled EDR Contact: 05/18/2009  
Data Release Frequency: Quarterly

## RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 02/20/2009  
Next Scheduled EDR Contact: 05/18/2009  
Data Release Frequency: Quarterly

## RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 02/20/2009  
Next Scheduled EDR Contact: 05/18/2009  
Data Release Frequency: Varies

## ***Federal institutional controls / engineering controls registries***

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/06/2008  
Date Data Arrived at EDR: 10/17/2008  
Date Made Active in Reports: 12/08/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-603-0695  
Last EDR Contact: 12/29/2008  
Next Scheduled EDR Contact: 03/30/2009  
Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/06/2008  
Date Data Arrived at EDR: 10/17/2008  
Date Made Active in Reports: 12/08/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-603-0695  
Last EDR Contact: 12/29/2008  
Next Scheduled EDR Contact: 03/30/2009  
Data Release Frequency: Varies

## ***Federal ERNS list***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2007  
Date Data Arrived at EDR: 01/23/2008  
Date Made Active in Reports: 03/17/2008  
Number of Days to Update: 54

Source: National Response Center, United States Coast Guard  
Telephone: 202-267-2180  
Last EDR Contact: 01/30/2009  
Next Scheduled EDR Contact: 04/19/2009  
Data Release Frequency: Annually

### **State- and tribal - equivalent NPL**

#### RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 11/25/2008  
Date Data Arrived at EDR: 11/26/2008  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 62

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 02/24/2009  
Next Scheduled EDR Contact: 05/25/2009  
Data Release Frequency: Quarterly

### **State- and tribal - equivalent CERCLIS**

#### ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 11/25/2008  
Date Data Arrived at EDR: 11/26/2008  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 62

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 02/24/2009  
Next Scheduled EDR Contact: 05/25/2009  
Data Release Frequency: Quarterly

### **State and tribal landfill and/or solid waste disposal site lists**

#### SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/01/2008  
Date Data Arrived at EDR: 12/09/2008  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 49

Source: Integrated Waste Management Board  
Telephone: 916-341-6320  
Last EDR Contact: 03/10/2009  
Next Scheduled EDR Contact: 06/08/2009  
Data Release Frequency: Quarterly

### **State and tribal leaking storage tank lists**

#### LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/01/2001  
Date Data Arrived at EDR: 04/23/2001  
Date Made Active in Reports: 05/21/2001  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-637-5595  
Last EDR Contact: 01/12/2009  
Next Scheduled EDR Contact: 04/13/2009  
Data Release Frequency: No Update Planned

## LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005  
Date Data Arrived at EDR: 02/15/2005  
Date Made Active in Reports: 03/28/2005  
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)  
Telephone: 909-782-4496  
Last EDR Contact: 02/02/2009  
Next Scheduled EDR Contact: 05/04/2009  
Data Release Frequency: Varies

## LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004  
Date Data Arrived at EDR: 02/26/2004  
Date Made Active in Reports: 03/24/2004  
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)  
Telephone: 760-776-8943  
Last EDR Contact: 02/16/2009  
Next Scheduled EDR Contact: 05/18/2009  
Data Release Frequency: No Update Planned

## LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005  
Date Data Arrived at EDR: 06/07/2005  
Date Made Active in Reports: 06/29/2005  
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)  
Telephone: 760-241-7365  
Last EDR Contact: 12/29/2008  
Next Scheduled EDR Contact: 03/30/2009  
Data Release Frequency: No Update Planned

## LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003  
Date Data Arrived at EDR: 09/10/2003  
Date Made Active in Reports: 10/07/2003  
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)  
Telephone: 530-542-5572  
Last EDR Contact: 03/03/2009  
Next Scheduled EDR Contact: 06/01/2009  
Data Release Frequency: No Update Planned

## LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008  
Date Data Arrived at EDR: 07/22/2008  
Date Made Active in Reports: 07/31/2008  
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-4834  
Last EDR Contact: 01/19/2009  
Next Scheduled EDR Contact: 04/19/2009  
Data Release Frequency: Quarterly

## LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/06/2009  
Date Data Arrived at EDR: 01/08/2009  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 19

Source: State Water Resources Control Board  
Telephone: see region list  
Last EDR Contact: 01/08/2009  
Next Scheduled EDR Contact: 04/06/2009  
Data Release Frequency: Quarterly

## LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001  
Date Data Arrived at EDR: 02/28/2001  
Date Made Active in Reports: 03/29/2001  
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)  
Telephone: 707-570-3769  
Last EDR Contact: 02/16/2009  
Next Scheduled EDR Contact: 05/18/2009  
Data Release Frequency: No Update Planned

## LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004  
Date Data Arrived at EDR: 10/20/2004  
Date Made Active in Reports: 11/19/2004  
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-622-2433  
Last EDR Contact: 01/05/2009  
Next Scheduled EDR Contact: 04/06/2009  
Data Release Frequency: Quarterly

## LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003  
Date Data Arrived at EDR: 05/19/2003  
Date Made Active in Reports: 06/02/2003  
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-542-4786  
Last EDR Contact: 02/09/2009  
Next Scheduled EDR Contact: 05/11/2009  
Data Release Frequency: No Update Planned

## LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004  
Date Data Arrived at EDR: 09/07/2004  
Date Made Active in Reports: 10/12/2004  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6710  
Last EDR Contact: 12/23/2008  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: No Update Planned

## INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/18/2008  
Date Data Arrived at EDR: 11/19/2008  
Date Made Active in Reports: 12/23/2008  
Number of Days to Update: 34

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 02/16/2009  
Next Scheduled EDR Contact: 05/18/2009  
Data Release Frequency: Quarterly

## INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 12/02/2008  
Date Data Arrived at EDR: 12/04/2008  
Date Made Active in Reports: 12/23/2008  
Number of Days to Update: 19

Source: EPA Region 8  
Telephone: 303-312-6271  
Last EDR Contact: 02/16/2009  
Next Scheduled EDR Contact: 05/18/2009  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/10/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/10/2008	Telephone: 415-972-3372
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 02/16/2009
Number of Days to Update: 6	Next Scheduled EDR Contact: 05/18/2009
	Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land  
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008	Source: EPA Region 1
Date Data Arrived at EDR: 03/14/2008	Telephone: 617-918-1313
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 02/16/2009
Number of Days to Update: 6	Next Scheduled EDR Contact: 05/18/2009
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 06/06/2008	Source: EPA Region 4
Date Data Arrived at EDR: 10/09/2008	Telephone: 404-562-8677
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 02/16/2009
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/18/2009
	Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/25/2008	Source: EPA Region 6
Date Data Arrived at EDR: 11/26/2008	Telephone: 214-665-6597
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 02/16/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 05/18/2009
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/01/2008	Source: EPA Region 7
Date Data Arrived at EDR: 12/03/2008	Telephone: 913-551-7003
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 02/20/2009
Number of Days to Update: 20	Next Scheduled EDR Contact: 05/18/2009
	Data Release Frequency: Varies

## **State and tribal registered storage tank lists**

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 01/06/2009	Source: SWRCB
Date Data Arrived at EDR: 01/08/2009	Telephone: 916-480-1028
Date Made Active in Reports: 01/30/2009	Last EDR Contact: 01/08/2009
Number of Days to Update: 22	Next Scheduled EDR Contact: 04/06/2009
	Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/12/2008  
Date Data Arrived at EDR: 03/14/2008  
Date Made Active in Reports: 03/20/2008  
Number of Days to Update: 6

Source: EPA, Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 02/16/2009  
Next Scheduled EDR Contact: 05/18/2009  
Data Release Frequency: Varies

## INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 06/06/2008  
Date Data Arrived at EDR: 10/09/2008  
Date Made Active in Reports: 11/19/2008  
Number of Days to Update: 41

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 02/16/2009  
Next Scheduled EDR Contact: 05/18/2009  
Data Release Frequency: Semi-Annually

## INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 09/08/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 27

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 02/16/2009  
Next Scheduled EDR Contact: 05/18/2009  
Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/25/2008  
Date Data Arrived at EDR: 11/26/2008  
Date Made Active in Reports: 12/23/2008  
Number of Days to Update: 27

Source: EPA Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 02/16/2009  
Next Scheduled EDR Contact: 05/18/2009  
Data Release Frequency: Semi-Annually

## INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 06/01/2007  
Date Data Arrived at EDR: 06/14/2007  
Date Made Active in Reports: 07/05/2007  
Number of Days to Update: 21

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 02/20/2009  
Next Scheduled EDR Contact: 05/18/2009  
Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 12/01/2008  
Date Data Arrived at EDR: 12/04/2008  
Date Made Active in Reports: 12/23/2008  
Number of Days to Update: 19

Source: EPA Region 8  
Telephone: 303-312-6137  
Last EDR Contact: 02/16/2009  
Next Scheduled EDR Contact: 05/18/2009  
Data Release Frequency: Quarterly

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/18/2008  
Date Data Arrived at EDR: 11/19/2008  
Date Made Active in Reports: 12/23/2008  
Number of Days to Update: 34

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 02/16/2009  
Next Scheduled EDR Contact: 05/18/2009  
Data Release Frequency: Quarterly

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 09/05/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 27

Source: EPA Region 9  
Telephone: 415-972-3368  
Last EDR Contact: 02/16/2009  
Next Scheduled EDR Contact: 05/18/2009  
Data Release Frequency: Quarterly

## **State and tribal voluntary cleanup sites**

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

Source: EPA, Region 7  
Telephone: 913-551-7365  
Last EDR Contact: 01/19/2009  
Next Scheduled EDR Contact: 04/19/2009  
Data Release Frequency: Varies

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 01/19/2009  
Next Scheduled EDR Contact: 04/19/2009  
Data Release Frequency: Varies

### VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 11/25/2008  
Date Data Arrived at EDR: 11/26/2008  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 62

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 02/24/2009  
Next Scheduled EDR Contact: 05/25/2009  
Data Release Frequency: Quarterly

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### **Local Brownfield lists**

US BROWNFIELDS: A Listing of Brownfields Sites

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 10/01/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/14/2008	Telephone: 202-566-2777
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 02/10/2009
Number of Days to Update: 39	Next Scheduled EDR Contact: 04/13/2009
	Data Release Frequency: Semi-Annually

## **Local Lists of Landfill / Solid Waste Disposal Sites**

### DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 03/25/2008	Source: EPA, Region 9
Date Data Arrived at EDR: 04/17/2008	Telephone: 415-972-3336
Date Made Active in Reports: 05/15/2008	Last EDR Contact: 12/22/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 03/23/2009
	Data Release Frequency: Varies

### ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 03/04/2009
Number of Days to Update: 30	Next Scheduled EDR Contact: 06/01/2009
	Data Release Frequency: Quarterly

### SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 01/05/2009	Source: Department of Conservation
Date Data Arrived at EDR: 01/08/2009	Telephone: 916-323-3836
Date Made Active in Reports: 01/27/2009	Last EDR Contact: 01/08/2009
Number of Days to Update: 19	Next Scheduled EDR Contact: 04/06/2009
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**HAULERS: Registered Waste Tire Haulers Listing**  
A listing of registered waste tire haulers.

Date of Government Version: 12/22/2008	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 12/22/2008	Telephone: 916-341-6422
Date Made Active in Reports: 01/27/2009	Last EDR Contact: 03/09/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: 06/08/2009
	Data Release Frequency: Varies

**INDIAN ODI: Report on the Status of Open Dumps on Indian Lands**  
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 02/23/2009
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: Varies

## **Local Lists of Hazardous waste / Contaminated Sites**

**CDL: Clandestine Drug Labs**

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/01/2008	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 10/31/2008	Telephone: 202-307-1000
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 10/31/2008
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/23/2009
	Data Release Frequency: Quarterly

**HIST CAL-SITES: Calsites Database**

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

**SCH: School Property Evaluation Program**

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 11/25/2008	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/26/2008	Telephone: 916-323-3400
Date Made Active in Reports: 01/27/2009	Last EDR Contact: 02/24/2009
Number of Days to Update: 62	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: Quarterly

**TOXIC PITS: Toxic Pits Cleanup Act Sites**

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/1995  
Date Data Arrived at EDR: 08/30/1995  
Date Made Active in Reports: 09/26/1995  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 916-227-4364  
Last EDR Contact: 01/26/2009  
Next Scheduled EDR Contact: 04/27/2009  
Data Release Frequency: No Update Planned

## CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 09/30/2008  
Date Data Arrived at EDR: 10/06/2008  
Date Made Active in Reports: 10/13/2008  
Number of Days to Update: 7

Source: Department of Toxic Substances Control  
Telephone: 916-255-6504  
Last EDR Contact: 03/03/2009  
Next Scheduled EDR Contact: 04/19/2009  
Data Release Frequency: Varies

## Local Lists of Registered Storage Tanks

### CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994  
Date Data Arrived at EDR: 09/05/1995  
Date Made Active in Reports: 09/29/1995  
Number of Days to Update: 24

Source: California Environmental Protection Agency  
Telephone: 916-341-5851  
Last EDR Contact: 12/28/1998  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/29/2008  
Date Data Arrived at EDR: 12/29/2008  
Date Made Active in Reports: 01/30/2009  
Number of Days to Update: 32

Source: Department of Public Health  
Telephone: 707-463-4466  
Last EDR Contact: 12/22/2008  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: Varies

### SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994  
Date Data Arrived at EDR: 07/07/2005  
Date Made Active in Reports: 08/11/2005  
Number of Days to Update: 35

Source: State Water Resources Control Board  
Telephone: N/A  
Last EDR Contact: 06/03/2005  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## Local Land Records

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 08/19/2008  
Date Data Arrived at EDR: 08/29/2008  
Date Made Active in Reports: 09/09/2008  
Number of Days to Update: 11

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 03/03/2009  
Next Scheduled EDR Contact: 05/18/2009  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 03/09/2009
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/08/2009
	Data Release Frequency: Varies

## LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 11/06/2008	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/07/2008	Telephone: 916-323-3400
Date Made Active in Reports: 11/26/2008	Last EDR Contact: 02/02/2009
Number of Days to Update: 19	Next Scheduled EDR Contact: 05/04/2009
	Data Release Frequency: Varies

## DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 12/30/2008	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 12/30/2008	Telephone: 916-323-3400
Date Made Active in Reports: 01/27/2009	Last EDR Contact: 12/30/2009
Number of Days to Update: 28	Next Scheduled EDR Contact: 03/30/2009
	Data Release Frequency: Semi-Annually

## **Records of Emergency Release Reports**

### CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2007	Source: Office of Emergency Services
Date Data Arrived at EDR: 05/09/2008	Telephone: 916-845-8400
Date Made Active in Reports: 06/20/2008	Last EDR Contact: 02/16/2009
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/18/2009
	Data Release Frequency: Varies

### LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 01/06/2009	Source: State Water Quality Control Board
Date Data Arrived at EDR: 01/08/2009	Telephone: 866-480-1028
Date Made Active in Reports: 01/27/2009	Last EDR Contact: 01/08/2009
Number of Days to Update: 19	Next Scheduled EDR Contact: 04/06/2009
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 01/06/2009	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/08/2009	Telephone: 866-480-1028
Date Made Active in Reports: 01/27/2009	Last EDR Contact: 01/08/2009
Number of Days to Update: 19	Next Scheduled EDR Contact: 04/06/2009
	Data Release Frequency: Quarterly

## Other Ascertainable Records

### RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/10/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/23/2008	Telephone: (415) 495-8895
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 02/20/2009
Number of Days to Update: 23	Next Scheduled EDR Contact: 05/18/2009
	Data Release Frequency: Varies

### DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 05/28/2008	Telephone: 202-366-4595
Date Made Active in Reports: 08/08/2008	Last EDR Contact: 02/24/2009
Number of Days to Update: 72	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: Varies

### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 02/06/2009
Number of Days to Update: 62	Next Scheduled EDR Contact: 05/04/2009
	Data Release Frequency: Semi-Annually

### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2007	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/05/2008	Telephone: 202-528-4285
Date Made Active in Reports: 09/23/2008	Last EDR Contact: 12/29/2008
Number of Days to Update: 18	Next Scheduled EDR Contact: 03/30/2009
	Data Release Frequency: Varies

### UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/13/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/16/2009  
Data Release Frequency: Varies

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2007  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 03/14/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 12/04/2008  
Next Scheduled EDR Contact: 01/12/2009  
Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/31/2008  
Date Data Arrived at EDR: 08/13/2008  
Date Made Active in Reports: 09/09/2008  
Number of Days to Update: 27

Source: Environmental Protection Agency  
Telephone: 202-564-5088  
Last EDR Contact: 01/12/2009  
Next Scheduled EDR Contact: 04/13/2009  
Data Release Frequency: Quarterly

## RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/28/2008  
Date Data Arrived at EDR: 10/29/2008  
Date Made Active in Reports: 12/08/2008  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 01/30/2009  
Next Scheduled EDR Contact: 04/27/2009  
Data Release Frequency: Quarterly

## BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 03/06/2007  
Date Made Active in Reports: 04/13/2007  
Number of Days to Update: 38

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 02/19/2009  
Next Scheduled EDR Contact: 06/08/2009  
Data Release Frequency: Biennially

## CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989  
Date Data Arrived at EDR: 07/27/1994  
Date Made Active in Reports: 08/02/1994  
Number of Days to Update: 6

Source: Department of Health Services  
Telephone: 916-255-2118  
Last EDR Contact: 05/31/1994  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## CA WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007  
Date Data Arrived at EDR: 06/20/2007  
Date Made Active in Reports: 06/29/2007  
Number of Days to Update: 9

Source: State Water Resources Control Board  
Telephone: 916-341-5227  
Last EDR Contact: 12/15/2008  
Next Scheduled EDR Contact: 03/16/2009  
Data Release Frequency: Quarterly

## CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001  
Date Data Arrived at EDR: 05/29/2001  
Date Made Active in Reports: 07/26/2001  
Number of Days to Update: 58

Source: CAL EPA/Office of Emergency Information  
Telephone: 916-323-3400  
Last EDR Contact: 01/22/2009  
Next Scheduled EDR Contact: 04/19/2009  
Data Release Frequency: No Update Planned

## NOTIFY 65: Proposition 65 Records

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993  
Date Data Arrived at EDR: 11/01/1993  
Date Made Active in Reports: 11/19/1993  
Number of Days to Update: 18

Source: State Water Resources Control Board  
Telephone: 916-445-3846  
Last EDR Contact: 01/12/2009  
Next Scheduled EDR Contact: 04/13/2009  
Data Release Frequency: No Update Planned

## WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/31/2008  
Date Data Arrived at EDR: 11/03/2008  
Date Made Active in Reports: 11/26/2008  
Number of Days to Update: 23

Source: Los Angeles Water Quality Control Board  
Telephone: 213-576-6726  
Last EDR Contact: 01/23/2009  
Next Scheduled EDR Contact: 04/19/2009  
Data Release Frequency: Varies

## INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 12/08/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 34

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 02/06/2009  
Next Scheduled EDR Contact: 05/04/2009  
Data Release Frequency: Semi-Annually

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 09/08/2008  
Date Data Arrived at EDR: 09/10/2008  
Date Made Active in Reports: 09/23/2008  
Number of Days to Update: 13

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 03/09/2009  
Next Scheduled EDR Contact: 05/11/2009  
Data Release Frequency: Varies

## FEDLAND: Federal and Indian Lands

Federally and Indian administered lands of the United States. Lands included are administered by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 02/06/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 339

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 02/06/2009  
Next Scheduled EDR Contact: 05/04/2009  
Data Release Frequency: N/A

## EDR PROPRIETARY RECORDS

### *EDR Proprietary Records*

#### EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## COUNTY RECORDS

### ALAMEDA COUNTY:

#### Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 10/28/2008  
Date Data Arrived at EDR: 10/30/2008  
Date Made Active in Reports: 11/26/2008  
Number of Days to Update: 27

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 01/19/2009  
Next Scheduled EDR Contact: 04/19/2009  
Data Release Frequency: Semi-Annually

#### Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/28/2008  
Date Data Arrived at EDR: 10/30/2008  
Date Made Active in Reports: 12/05/2008  
Number of Days to Update: 36

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 01/19/2009  
Next Scheduled EDR Contact: 04/19/2009  
Data Release Frequency: Semi-Annually

### KERN COUNTY:

#### Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 01/06/2009  
Date Data Arrived at EDR: 01/07/2009  
Date Made Active in Reports: 01/30/2009  
Number of Days to Update: 23

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 03/03/2009  
Next Scheduled EDR Contact: 06/01/2009  
Data Release Frequency: Quarterly

### LOS ANGELES COUNTY:

#### San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 07/07/1999  
Date Made Active in Reports: N/A  
Number of Days to Update: 0

Source: EPA Region 9  
Telephone: 415-972-3178  
Last EDR Contact: 02/20/2009  
Next Scheduled EDR Contact: 04/13/2009  
Data Release Frequency: No Update Planned

#### List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 11/10/2008  
Date Data Arrived at EDR: 11/25/2008  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 63

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 02/11/2009  
Next Scheduled EDR Contact: 05/11/2009  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/01/2008	Source: Engineering & Construction Division
Date Data Arrived at EDR: 03/20/2008	Telephone: 213-473-7869
Date Made Active in Reports: 04/14/2008	Last EDR Contact: 03/10/2009
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/08/2009
	Data Release Frequency: Varies

## City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 09/19/2008	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 10/06/2008	Telephone: 310-524-2236
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 02/09/2009
Number of Days to Update: 10	Next Scheduled EDR Contact: 05/11/2009
	Data Release Frequency: Semi-Annually

## City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 10/23/2003	Telephone: 562-570-2563
Date Made Active in Reports: 11/26/2003	Last EDR Contact: 02/20/2009
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/18/2009
	Data Release Frequency: Annually

## City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 12/11/2008	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 12/11/2008	Telephone: 310-618-2973
Date Made Active in Reports: 01/30/2009	Last EDR Contact: 02/23/2009
Number of Days to Update: 50	Next Scheduled EDR Contact: 05/11/2009
	Data Release Frequency: Semi-Annually

## MARIN COUNTY:

### Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 08/04/2008	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 08/29/2008	Telephone: 415-499-6647
Date Made Active in Reports: 09/15/2008	Last EDR Contact: 01/26/2009
Number of Days to Update: 17	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: Semi-Annually

## NAPA COUNTY:

### Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 07/09/2008	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 07/09/2008	Telephone: 707-253-4269
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 12/22/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 03/23/2009
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 01/16/2008	Telephone: 707-253-4269
Date Made Active in Reports: 02/08/2008	Last EDR Contact: 12/22/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 03/23/2009
	Data Release Frequency: Annually

## ORANGE COUNTY:

### List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 12/02/2008	Source: Health Care Agency
Date Data Arrived at EDR: 12/23/2008	Telephone: 714-834-3446
Date Made Active in Reports: 01/27/2009	Last EDR Contact: 03/05/2009
Number of Days to Update: 35	Next Scheduled EDR Contact: 06/01/2009
	Data Release Frequency: Quarterly

### List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 12/02/2008	Source: Health Care Agency
Date Data Arrived at EDR: 12/23/2008	Telephone: 714-834-3446
Date Made Active in Reports: 01/30/2009	Last EDR Contact: 12/02/2009
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/01/2009
	Data Release Frequency: Quarterly

## RIVERSIDE COUNTY:

### Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 11/06/2008	Source: Department of Public Health
Date Data Arrived at EDR: 11/17/2008	Telephone: 951-358-5055
Date Made Active in Reports: 11/26/2008	Last EDR Contact: 03/03/2009
Number of Days to Update: 9	Next Scheduled EDR Contact: 04/13/2009
	Data Release Frequency: Quarterly

### Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 11/12/2008	Source: Health Services Agency
Date Data Arrived at EDR: 11/25/2008	Telephone: 951-358-5055
Date Made Active in Reports: 12/05/2008	Last EDR Contact: 01/26/2009
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/13/2009
	Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### ML - Regulatory Compliance Master List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 09/08/2008	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 10/29/2008	Telephone: 916-875-8406
Date Made Active in Reports: 11/26/2008	Last EDR Contact: 01/30/2009
Number of Days to Update: 28	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: Quarterly

## SAN BERNARDINO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 01/07/2009  
Date Data Arrived at EDR: 01/09/2009  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 18

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 03/03/2009  
Next Scheduled EDR Contact: 06/01/2009  
Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:

### Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 11/01/2008  
Date Data Arrived at EDR: 12/23/2008  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 35

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 02/16/2009  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Varies

### Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 11/05/2008  
Date Data Arrived at EDR: 12/30/2008  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 28

Source: San Diego County Department of Environmental Health  
Telephone: 619-338-2371  
Last EDR Contact: 12/30/2008  
Next Scheduled EDR Contact: 03/30/2009  
Data Release Frequency: Varies

## SAN FRANCISCO COUNTY:

### Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 09/29/2008  
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920  
Last EDR Contact: 03/03/2009  
Next Scheduled EDR Contact: 06/01/2009  
Data Release Frequency: Quarterly

### Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 10/01/2008  
Number of Days to Update: 12

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 03/03/2009  
Next Scheduled EDR Contact: 06/01/2009  
Data Release Frequency: Quarterly

## SAN JOAQUIN COUNTY:

### San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/07/2008  
Date Data Arrived at EDR: 12/03/2008  
Date Made Active in Reports: 01/30/2009  
Number of Days to Update: 58

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 01/12/2009  
Next Scheduled EDR Contact: 04/13/2009  
Data Release Frequency: Semi-Annually

## SAN MATEO COUNTY:

### Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 01/05/2009  
Date Data Arrived at EDR: 01/06/2009  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 21

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 01/05/2009  
Next Scheduled EDR Contact: 04/06/2009  
Data Release Frequency: Semi-Annually

## SANTA CLARA COUNTY:

### HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005  
Date Data Arrived at EDR: 03/30/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 22

Source: Santa Clara Valley Water District  
Telephone: 408-265-2600  
Last EDR Contact: 12/22/2008  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: No Update Planned

### LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 12/29/2008  
Date Data Arrived at EDR: 12/29/2008  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 29

Source: Department of Environmental Health  
Telephone: 408-918-3417  
Last EDR Contact: 12/22/2008  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: Varies

## SOLANO COUNTY:

### Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 09/22/2008  
Date Data Arrived at EDR: 10/06/2008  
Date Made Active in Reports: 10/13/2008  
Number of Days to Update: 7

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 01/05/2009  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: Quarterly

### Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/22/2008  
Date Data Arrived at EDR: 10/17/2008  
Date Made Active in Reports: 12/05/2008  
Number of Days to Update: 49

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 12/22/2008  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/20/2009	Source: Department of Health Services
Date Data Arrived at EDR: 01/21/2009	Telephone: 707-565-6565
Date Made Active in Reports: 01/27/2009	Last EDR Contact: 01/19/2009
Number of Days to Update: 6	Next Scheduled EDR Contact: 04/19/2009
	Data Release Frequency: Quarterly

## SUTTER COUNTY:

### Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 05/04/2007	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 05/04/2007	Telephone: 530-822-7500
Date Made Active in Reports: 05/24/2007	Last EDR Contact: 12/29/2008
Number of Days to Update: 20	Next Scheduled EDR Contact: 03/30/2009
	Data Release Frequency: Semi-Annually

## VENTURA COUNTY:

### Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 09/04/2008	Telephone: 805-654-2813
Date Made Active in Reports: 09/18/2008	Last EDR Contact: 02/16/2009
Number of Days to Update: 14	Next Scheduled EDR Contact: 05/18/2009
	Data Release Frequency: Annually

### Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 06/09/2009
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/08/2009
	Data Release Frequency: Quarterly

### Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 12/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 01/08/2009	Telephone: 805-654-2813
Date Made Active in Reports: 01/30/2009	Last EDR Contact: 01/08/2009
Number of Days to Update: 22	Next Scheduled EDR Contact: 04/06/2009
	Data Release Frequency: Quarterly

## YOLO COUNTY:

### Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 11/13/2008	Source: Yolo County Department of Health
Date Data Arrived at EDR: 12/03/2008	Telephone: 530-666-8646
Date Made Active in Reports: 01/30/2009	Last EDR Contact: 01/12/2009
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/13/2009
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2005	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/15/2007	Telephone: 860-424-3375
Date Made Active in Reports: 08/20/2007	Last EDR Contact: 12/11/2008
Number of Days to Update: 66	Next Scheduled EDR Contact: 03/09/2009
	Data Release Frequency: Annually

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 09/30/2007	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/04/2007	Telephone: N/A
Date Made Active in Reports: 12/31/2007	Last EDR Contact: 02/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 05/04/2009
	Data Release Frequency: Annually

### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/21/2008	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/26/2008	Telephone: 518-402-8651
Date Made Active in Reports: 12/11/2008	Last EDR Contact: 02/25/2009
Number of Days to Update: 15	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: Annually

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007	Source: Department of Environmental Protection
Date Data Arrived at EDR: 09/11/2008	Telephone: N/A
Date Made Active in Reports: 10/02/2008	Last EDR Contact: 03/09/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 06/08/2009
	Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 10/07/2008	Source: Department of Environmental Management
Date Data Arrived at EDR: 10/10/2008	Telephone: 401-222-2797
Date Made Active in Reports: 10/28/2008	Last EDR Contact: 12/15/2008
Number of Days to Update: 18	Next Scheduled EDR Contact: 03/16/2009
	Data Release Frequency: Annually

### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007	Source: Department of Natural Resources
Date Data Arrived at EDR: 08/22/2008	Telephone: N/A
Date Made Active in Reports: 09/08/2008	Last EDR Contact: 01/05/2009
Number of Days to Update: 17	Next Scheduled EDR Contact: 04/06/2009
	Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

### Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## STREET AND ADDRESS INFORMATION

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

FORMER RICE AIRFIELD  
HWY 62, MILE MARKER 109  
RICE, CA 92239

### TARGET PROPERTY COORDINATES

Latitude (North):	34.06580 - 34° 3' 56.9"
Longitude (West):	114.8109 - 114° 48' 39.2"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	702025.6
UTM Y (Meters):	3771419.5
Elevation:	820 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	34114-A7 RICE, CA
Most Recent Revision:	1983

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

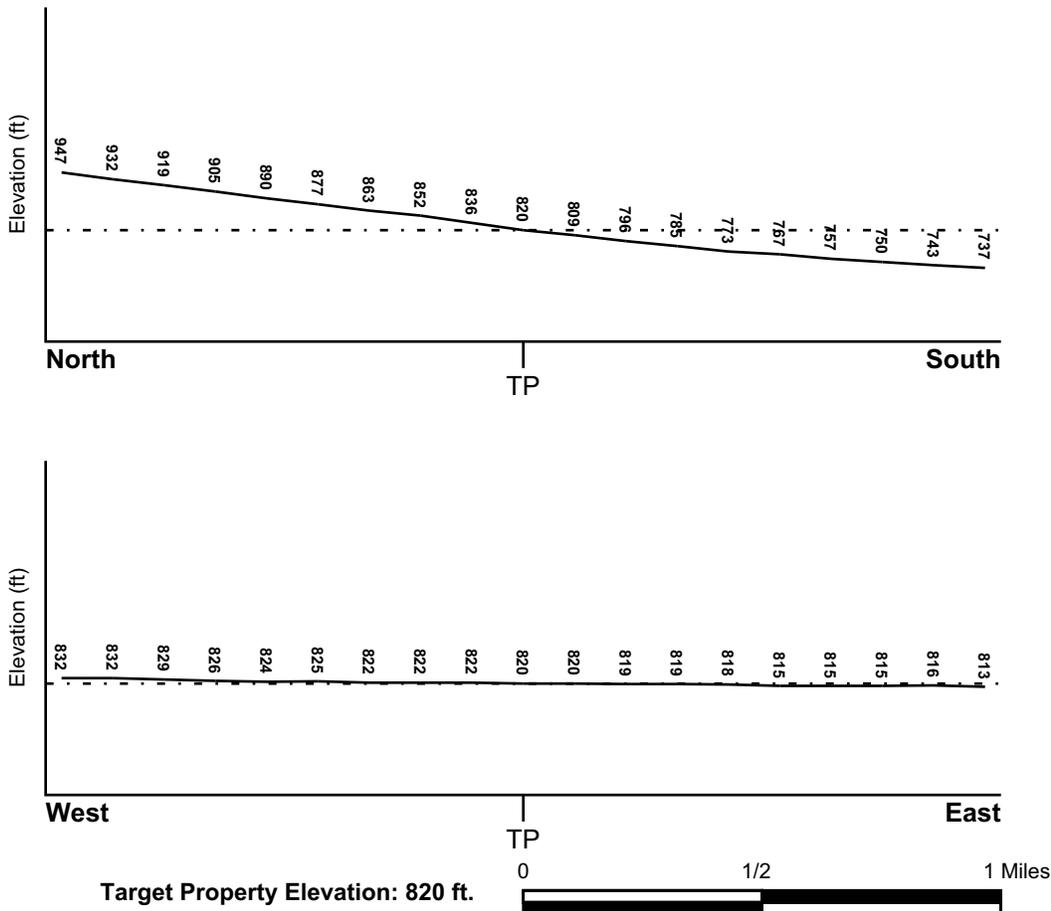
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## **FEMA FLOOD ZONE**

Target Property County  
RIVERSIDE, CA

FEMA Flood  
Electronic Data  
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 0602450575A

Additional Panels in search area: 06071C9200F

## **NATIONAL WETLAND INVENTORY**

NWI Quad at Target Property  
RICE

NWI Electronic  
Data Coverage  
Not Available

## **HYDROGEOLOGIC INFORMATION**

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### ***Site-Specific Hydrogeological Data\*:***

Search Radius: 1.25 miles  
Status: Not found

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### ROCK STRATIGRAPHIC UNIT

Era: Cenozoic  
System: Quaternary  
Series: Quaternary  
Code: Q (*decoded above as Era, System & Series*)

#### GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: CARRIZO

Soil Surface Texture: extremely gravelly - sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively. Soils have very high and high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	10 inches	extremely gravelly - sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 6.00 Min: 2.00	Max: 8.40 Min: 7.90
2	10 inches	60 inches	stratified	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 20.00 Min: 20.00	Max: 8.40 Min: 7.90
3	60 inches	70 inches	stratified	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 20.00 Min: 20.00	Max: 8.40 Min: 7.90

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loamy fine sand  
gravelly - loamy sand  
very gravelly - sand  
loamy coarse sand  
sand  
fine sandy loam  
very gravelly - silt loam  
gravelly - sandy loam  
sandy loam

Surficial Soil Types: loamy fine sand  
gravelly - loamy sand  
very gravelly - sand  
loamy coarse sand  
sand  
fine sandy loam  
very gravelly - silt loam  
gravelly - sandy loam  
sandy loam

Shallow Soil Types: fine sandy loam

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

coarse sandy loam

Deeper Soil Types:    sand  
                               extremely gravelly - coarse sand  
                               very gravelly - loam  
                               loamy fine sand  
                               sandy clay loam  
                               very gravelly - sand  
                               sandy loam  
                               clay  
                               fine sand

**LOCAL / REGIONAL WATER AGENCY RECORDS**

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

**WELL SEARCH DISTANCE INFORMATION**

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

**FEDERAL USGS WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	USGS3087434	1/2 - 1 Mile NNW

**FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

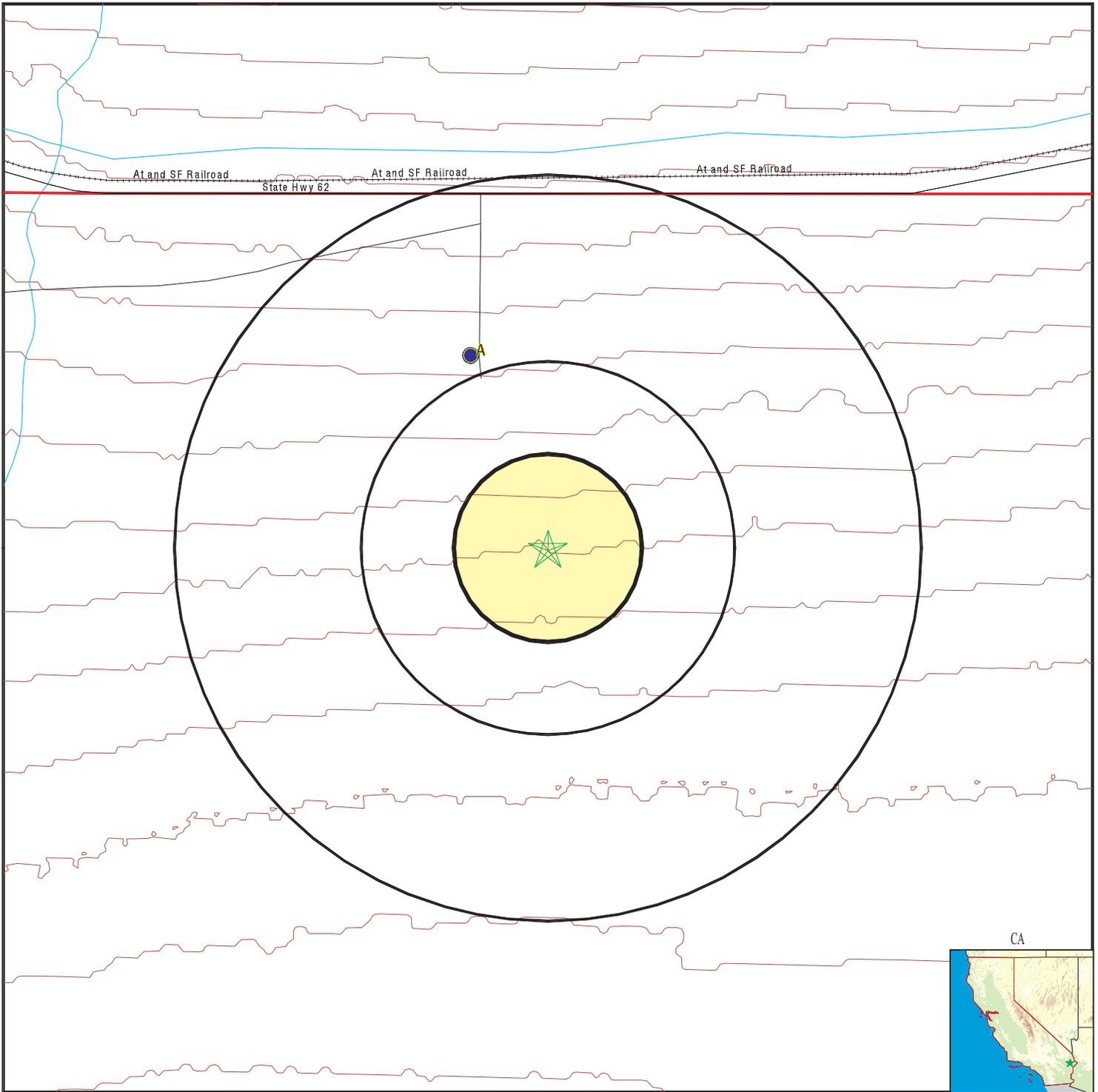
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

**STATE DATABASE WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A2	CADW20000006586	1/2 - 1 Mile NNW

# PHYSICAL SETTING SOURCE MAP - 2438602.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons



- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Former Rice Airfield  
 ADDRESS: Hwy 62, Mile Marker 109  
 Rice CA 92239  
 LAT/LONG: 34.0658 / 114.8109

CLIENT: Terracon  
 CONTACT: jinny park  
 INQUIRY #: 2438602.2s  
 DATE: March 11, 2009 8:49 am

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**A1  
NNW  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS3087434**

Agency cd:	USGS	Site no:	340424114484801
Site name:	001S021E19G001S		
Latitude:	340423.71		
Longitude:	1144847.90	Dec lat:	34.07326719
Dec lon:	-114.81410724	Coor meth:	D
Coor accr:	H	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	04
State:	06	County:	065
Country:	US	Land net:	SESENWS19 T01S R21E S
Location map:	RICE	Map scale:	24000
Altitude:	878.3		
Altitude method:	Differential Global Positioning System (GPS)		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Southern Mojave. California. Area = 8700 sq.mi.		
Topographic:	Alluvial fan		
Site type:	Ground-water other than Spring	Date construction:	1947
Date inventoried:	19620327	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	CHI RCV		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1954-09-17	Ground water data end date:	2001-03-29
Ground water data count:	3		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
------	-----------------------	---------------------	------	-----------------------	---------------------

2001-03-29

Note: An obstruction was encountered in the well above the water surface (no water level recorded).

1992-03-18

Note: An obstruction was encountered in the well above the water surface (no water level recorded).

1954-09-17    312.35

**A2  
NNW  
1/2 - 1 Mile  
Higher**

**CA WELLS      CADW20000006586**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Longitude:	114.8141
Latitude:	34.0733
Stwellno:	01S21E19G001S
Districtco:	3
Welluseco:	Z
Countycode:	33
Gwcode:	700400
Site id:	CADW20000006586

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

### Radon Test Results

Zip	Total Sites	> 4 Pci/L	Pct. > 4 Pci/L
92239	1	0	0.00

Federal EPA Radon Zone for RIVERSIDE County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

---

### Federal Area Radon Information for RIVERSIDE COUNTY, CA

Number of sites tested: 12

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.117 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.450 pCi/L	100%	0%	0%
Basement	1.700 pCi/L	100%	0%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

#### California Drinking Water Quality Database

Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

## OTHER STATE DATABASE INFORMATION

#### California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

### RADON

#### State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### OTHER

Airport Landing Facilities: Private and public use landing facilities  
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater  
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

### STREET AND ADDRESS INFORMATION

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**ARMY AIRPORT**  
(1.8 MILES EAST OF)  
RICE, CA

Inquiry Number:  
March 12, 2009

## EDR Site Report™

# TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of federal, state and local environmental databases. The report is divided into three sections:

**Section 1: Facility Summary . . . . . Page 3**

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

**Section 2: Facility Detail Reports . . . . . Page 4**

All available detailed information from databases where sites are identified.

**Section 3: Databases and Update Information. . . . . Page 5**

Name, source, update dates, contact phone number and description of each of the databases for this report.

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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# SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 ARMY AIRPORT (1.8 MILES EAST OF) RICE, CA EDR ID #S107735861
AREA	
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSD)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	<b>YES - p4</b>
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	1

## SECTION 2: FACILITY DETAIL REPORTS

### MULTIMEDIA

Facility is listed in a county/local unique database

**DATABASE: State/County (LOCAL)**

ARMY AIRPORT  
(1.8 MILES EAST OF)  
RICE, CA  
EDR ID #S107735861

#### ENVIROSTOR:

Site Type: Military Evaluation  
Site Type Detailed: FUDS  
Acres: Not reported  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: Shelia Lowe  
Division Branch: Cypress  
Facility ID: 80000929  
Site Code: Not reported  
Assembly: 80  
Senate: 37  
Special Program: Not reported  
Status: Inactive - Needs Evaluation  
Status Date: 2005-07-01 00:00:00  
Restricted Use: NO  
Funding: DERA  
Latitude: 34.0666666666667  
Longitude: -114.8125  
Alias Name: J09CA7252  
Alias Type: INPR  
Alias Name: 80000929  
Alias Type: Envirostor ID Number  
Alias Name: CA99799FA07500  
Alias Type: FFID

APN: NONE SPECIFIED  
APN Description: Not reported  
Comments: Not reported

#### Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Inventory Project Report (INPR)  
Completed Date: 1999-05-10 00:00:00

Confirmed: NONE SPECIFIED  
Confirmed Description: Not reported  
Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Media Affected: NONE SPECIFIED  
Media Affected Desc: Not reported

#### Management:

Management Required: NONE SPECIFIED  
Management Required Desc: Not reported  
Potential: NONE SPECIFIED  
Potential Description: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported  
PastUse: NONE SPECIFIED

## SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

**Elapsed ASTM days:** Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

### DATABASES FOUND IN THIS REPORT

#### **CA ENVIROSTOR: EnviroStor Database**

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 11/25/2008  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/24/2009  
Date of Next Scheduled Update: 05/25/2009

**CAMP RICE (ARMY)**  
(3 MILES EAST OF)  
RICE, CA

Inquiry Number:  
March 12, 2009

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with any questions or comments.

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# SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 CAMP RICE (ARMY) (3 MILES EAST OF) RICE, CA EDR ID #S107736046
AREA	
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSD)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	<b>YES - p4</b>
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	1

## SECTION 2: FACILITY DETAIL REPORTS

### MULTIMEDIA

Facility is listed in a county/local unique database

**DATABASE: State/County (LOCAL)**

CAMP RICE (ARMY)  
(3 MILES EAST OF)  
RICE, CA  
EDR ID #S107736046

#### ENVIROSTOR:

Site Type: Military Evaluation  
Site Type Detailed: FUDS  
Acres: Not reported  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: Shelia Lowe  
Division Branch: Cypress  
Facility ID: 80001052  
Site Code: Not reported  
Assembly: 80  
Senate: 37  
Special Program: Not reported  
Status: Inactive - Needs Evaluation  
Status Date: 2005-07-01 00:00:00  
Restricted Use: NO  
Funding: DERA  
Latitude: 34.075  
Longitude: -114.7625  
Alias Name: 80001052  
Alias Type: Envirostor ID Number  
Alias Name: J09CA7186  
Alias Type: INPR  
Alias Name: CA99799FA00900  
Alias Type: FFID

APN: NONE SPECIFIED  
APN Description: Not reported  
Comments: Not reported

#### Completed Info:

Completed Area Name: Not reported  
Completed Sub Area Name: Not reported  
Completed Document Type: Not reported  
Completed Date: Not reported

Confirmed: NONE SPECIFIED  
Confirmed Description: Not reported  
Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Media Affected: NONE SPECIFIED  
Media Affected Desc: Not reported

#### Management:

Management Required: NONE SPECIFIED  
Management Required Desc: Not reported  
Potential: NONE SPECIFIED  
Potential Description: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported  
PastUse: NONE SPECIFIED

## SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

**Elapsed ASTM days:** Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

### DATABASES FOUND IN THIS REPORT

#### **CA ENVIROSTOR: EnviroStor Database**

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 11/25/2008  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/24/2009  
Date of Next Scheduled Update: 05/25/2009

**ARMY CAMP**  
(14 MILES WEST OF)  
RICE, CA

Inquiry Number:  
March 12, 2009

## EDR Site Report™

# TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of federal, state and local environmental databases. The report is divided into three sections:

**Section 1: Facility Summary . . . . . Page 3**

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

**Section 2: Facility Detail Reports . . . . . Page 4**

All available detailed information from databases where sites are identified.

**Section 3: Databases and Update Information. . . . . Page 5**

Name, source, update dates, contact phone number and description of each of the databases for this report.

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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# SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 ARMY CAMP (14 MILES WEST OF) RICE, CA EDR ID #S107735863
AREA	
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSD)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	<b>YES - p4</b>
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	1

## SECTION 2: FACILITY DETAIL REPORTS

### MULTIMEDIA

Facility is listed in a county/local unique database

**DATABASE: State/County (LOCAL)**

ARMY CAMP  
(14 MILES WEST OF)  
RICE, CA  
EDR ID #S107735863

#### ENVIROSTOR:

Site Type: Military Evaluation  
Site Type Detailed: FUDS  
Acres: Not reported  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: Shelia Lowe  
Division Branch: Cypress  
Facility ID: 80001051  
Site Code: Not reported  
Assembly: 65  
Senate: 31  
Special Program: Not reported  
Status: Inactive - Needs Evaluation  
Status Date: 2005-07-01 00:00:00  
Restricted Use: NO  
Funding: DERA  
Latitude: 34.1666666666667  
Longitude: -115.083333333333  
Alias Name: 80001051  
Alias Type: Envirostor ID Number  
Alias Name: CA99799FA00800  
Alias Type: FFID  
Alias Name: J09CA7185  
Alias Type: INPR

APN: NONE SPECIFIED  
APN Description: Not reported  
Comments: Not reported

#### Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Inventory Project Report (INPR)  
Completed Date: 1998-07-29 00:00:00

Confirmed: NONE SPECIFIED  
Confirmed Description: Not reported  
Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Media Affected: NONE SPECIFIED  
Media Affected Desc: Not reported

#### Management:

Management Required: NONE SPECIFIED  
Management Required Desc: Not reported  
Potential: NONE SPECIFIED  
Potential Description: Not reported  
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Date of Government Version: 11/25/2008  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/24/2009  
Date of Next Scheduled Update: 05/25/2009

## **APPENDIX E**

### **Site Photographs**



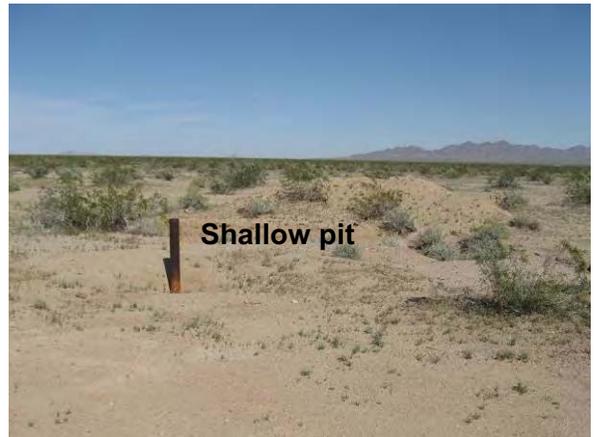
**Photo #1** View of typical survey marker located throughout the site.



**Photo #2** View of former western runway.



**Photo #3** View of mound located east of the eastern runway.



**Photo #4** View of pipe stub and dirt mound appeared to have been excavated from adjacent shallow pit.



**Photo #5** View of pipe stub located south of the apron.



**Photo #6** View of rocks used to mark a location for unknown reasons.



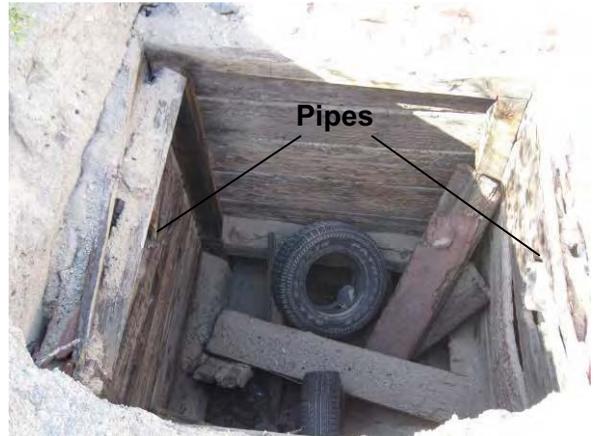
**Photo #7** View of a shallow pit located south of the apron.



**Photo #8** View of a large, shallow pit, located south of the apron.



**Photo #9** View of a deep pit located south of the apron.



**Photo #10** View of a deep pit with 2 pipes leading out, located north of the apron.



**Photo #11** View of well located west of the main access road, north of the apron.



**Photo #12** View of sanitary sewer cover located near a building foundation.



**Photo #13** View of typical rock pit.



**Photo #14** View of wood lined pit with a wooden cover.



**Photo #15** View of a pipe stub located on the northern portion of the property.



**Photo #16** View of a burn area.



**Photo #17** View of the apron.



**Photo #18** View of foundation.



**Photo #19** View of the building slab with drum marks and a drain.

## **APPENDIX F**

### **Credentials**

# CRAIG O'ROURKE, CHMM

## SENIOR CONSULTANT

---

### PROFESSIONAL EXPERIENCE

Mr. O'Rourke is a Senior Consultant within the Southwest Division of Terracon and is based in the Orange County, CA office. He oversees environmental services and resources for environmental assessments, investigations, compliance and remediation work conducted across the Western U.S.

Mr. O'Rourke has over 19 years of diverse environmental experience, including compliance, RCRA, UST, CERCLA and Brownfields projects throughout California and across the west. He has been involved with the investigation, remediation and closure of multiple sites involving soil, groundwater, and soil vapor issues. He has also assisted hazardous waste facilities on regulatory compliance, permitting, and closure projects. He has also conducted many environmental regulatory compliance audits and managed several RCRA corrective action projects. In addition, he has extensive experience in preparation of RODs, action memorandums, proposed plans and response action work plans for USEPA and DTSC and he has overseen implementation of numerous remediation projects conducted under CERCLA authority at Superfund and Federal Facilities sites.

Mr. O'Rourke worked for the California Environmental Protection Agency, where he worked closely with industry representatives on RCRA compliance, permitting, closure plans and RCRA corrective action projects. He also worked on site mitigation and Brownfields sites, and conducted facility environmental regulatory compliance inspections, including Proposition 65 compliance.

### PROJECT EXPERIENCE

- **Facility Assessment and Investigation**

Responsible for conducting or oversight of more than 1,000 site assessments and investigations at all types of facilities from small commercial plots to thousand acre federal facilities. Also conducted multi-media environmental regulatory compliance audits for a number of facilities across various industry sectors.

- **Confidential Church Client - Anaheim, CA**

Assisted the church with evaluation of soil and groundwater contamination data beneath a structure they planned to lease. Conducted multiple rounds of indoor air sampling and prepared an indoor vapor intrusion risk assessment for VOC contaminants emanating from a prior release from a former aerospace tenant on the property.

- **AES Highgrove, RCRA Corrective Action – Grand Terrace, California**

Project Manager for the consent agreement negotiation with DTSC and the RFA aspects of this high profile RCRA Corrective Action project on the location of a former gas-fired power plant, which is in a sensitive location across the street from a proposed high school.

- **Browning UST Site – Irvine, California**

Project Manager for preparation of a Corrective Action Plan to expedite remediation of a former UST site where the tanks had been removed ten years prior and the site was languishing in a long-term groundwater monitoring program without an effective strategy for closure.

### EDUCATION

*Master of Science, Environmental Sciences, 1997, California State University - Fullerton*  
*Bachelor of Arts, Geography, 1985, University of California - Los Angeles*

### CERTIFICATIONS

*Certified Hazardous Materials Manager, No. 5394*

### AFFILIATIONS

*Urban Land Institute*  
*National Association of Industrial and Office Properties*  
*Society of American Military Engineers*

### WORK HISTORY

*Terracon, Senior Consultant for Environmental Services, 2004-present*  
*Tetra Tech, FW, Inc., Regional Environmental Manager, 1998-2004*  
*ARCADIS, Project Manager, 1995-1998*  
*California Environmental Protection Agency, Associate Hazardous Materials Scientist, 1990-1995*

## PROJECT EXPERIENCE (CONTINUED)

- **Lockheed Martin, International Light Metals – Torrance, California**  
Responsible for technical review and oversight for a fast-track RCRA corrective action and closure project at a 67-acre manufacturing facility with over 100 solid waste management units. The project moved under agency oversight from the initial RFA to implementation of interim remedial action within 18-months.
- **Hunters Point Naval Shipyard – San Francisco, California**  
Prepared environmental protection and waste management plans for a \$30 million base closure program involving investigation, analysis, remediation, and disposal of contaminated materials for this NPL site.
- **Former Moffett Federal Airfield – Mountain View, California**  
Completed RODs, action memorandums and proposed plans under CERCLA for several installation restoration sites. Negotiated ARARs and cleanup conditions with the EPA and the state on behalf of the Navy.
- **Long Beach Naval Complex – Long Beach, California**  
Responsible for regulatory oversight of environmental investigation at installation restoration sites throughout the facility.
- **Jet Propulsion Lab – Pasadena, California**  
Performed an ARARs evaluation in support of a feasibility study for a chlorinated solvent and perchlorate impacted groundwater plume.
- **Safety-Kleen, Inc. – Multiple Locations, California**  
Managed several RCRA corrective action investigation and remediation projects for service facilities throughout southern California.
- **Air Force Center of Environmental Excellence – Multiple Locations, Worldwide**  
Responsible for ensuring environmental compliance under various programs, including the CWA, CAA, RCRA and CERCLA. Conducted review of waste site investigations, design and cleanup proposals under multiple task orders at Tyndall, Barksdale, Eielson, Offutt, and McChord Air Force Bases.
- **Army Corp of Engineers, Total Environmental Restoration Contract – Multiple Locations, New Mexico**  
Conducted oversight of environmental compliance and waste management under RCRA for several corrective action implementation projects at Holloman, Kirtland and Cannon Air Force Bases.

## ADDITIONAL COURSES

Commercial and Industrial Development Management, UCI Extension, 10-Course Certificate Program.

Environmental Site Assessment and Remediation, UCI Extension, 8-Course Certificate Program.

## PUBLICATIONS/PRESENTATIONS

O'Rourke, Craig A. *Expediting Hazardous Waste Site Closure in Southern California: A Case History*. May 30, 1997.

O'Rourke, Craig A. & Lawrence Schnapf, Survey and Comparative Analysis of Federal and State Vapor Intrusion Regulations and Guidance, Environmental Banker's Association Conference, June 2005.

# JEFF BRENNER, P.G.

## SENIOR GEOLOGIST / DEPARTMENT MANAGER

---

### PROFESSIONAL EXPERIENCE

Mr. Brenner is a Senior Geologist and Environmental Services Department Manager for Terracon's Irvine, California, office where he manages and directs environmental investigation and remediation projects to ensure that all services are responsive to the client's needs, including meeting the identified scope, schedule, and budget requirements. He has performed numerous environmental investigations ranging from Phase 1 ESAs for due diligence purposes to multi-year CERCLA (Superfund) Remedial Investigation/Feasibility Studies (RI/FS).

Mr. Brenner has over 12 years of experience successfully managing and supporting environmental projects and large tasks associated with subsurface investigations and remedial systems operations and optimization. He has provided direction to geologists, engineers, scientists and a number of different subcontractors/vendors for a wide variety of field activities. In addition, he routinely provides technical assistance and support to clients in the form of formal presentations and meetings with regulatory agencies and the public.

### PROJECT EXPERIENCE

- **Project Manager, RCRA Facility Assessment/RCRA Facility Investigation (RFA/RFI), Grand Terrace, CA**  
Manage large-scale RCRA facility assessment and subsurface investigation of a decommissioned 150 megawatt gas-fired power plant as part of the formal RCRA closure process. Project involved evaluation and assessment of more than 63 site features to establish AOCs and SWMUs. RFI involved collecting samples from over 100 locations (45 AOCs/SWMUs) around the facility to evaluate potential impact from past operations. Work closely with multiple stakeholders and responsible parties to fast-track closure process and minimize regulatory response time. Also provided support to client through presentations at private and public meetings.
- **Project Manager, Remedial Investigation/Remedial Action, former Dry Cleaning Facility, Laguna Beach, CA**  
Manage subsurface investigation and clean up of chlorinated solvents in soil, soil-vapor, and groundwater at a former dry cleaning facility located in a high-profile location in Laguna Beach, California. Designed and performed several soil, soil-vapor, and groundwater investigations leading to the installation of a high-vacuum Dual-Phase Extraction (DPE) system to reduce/remove contaminant source material from soil beneath current building. Project involves coordination with current and previous site owners and their respective legal teams.

### EDUCATION

*Master of Science, Geological Sciences, 1996, California State University, Long Beach*

*Bachelor of Science, Geological Sciences, 1988, Michigan State University*

### REGISTRATIONS

*Professional Geologist, State of California No. 7134*

*40-Hour OSHA 29 CFR 1910.120 HAZWOPER*

*40-Hour Health and Safety Officer*

### WORK HISTORY

*Terracon, Senior Geologist/Dept. Manager, 2006-Present*

*AEM Group, Senior Project Manager, 2006*

*Tetra Tech EC, Inc., Project Manager/Senior Geologist, 1996-2006*

*California State University, Long Beach, Part-Time Lecturer, Geological Sciences 1990-present*

- **Project Manager, Groundwater Recharge Basin Pilot Boring Study, City of Lancaster, CA**  
 Managed pilot project involving the installation of two deep borings in the Antelope Valley to evaluate the potential for a chosen location to serve as a recharge basin for groundwater storage. The borings were advanced using sonic drilling methods that provided continuous sections of soil core for evaluation and analysis. At each location, the soil was characterized and sampled for physical properties including grain-size analysis, porosity, intrinsic permeability, and hydraulic conductivity. The field effort included biologic monitoring to minimize the impacts of the drilling operations on potentially sensitive plant and animal habitats in the project locations.
- **Project Manager, Phase I/Phase II Due-Diligence Investigations, MI and CA**  
 Managed, performed, and reviewed numerous Phase I, Transaction Screen and EPA “All Appropriate Inquiry” ESAs per ATSM standards for fast-track real-estate transactions for commercial and industrial companies, banks, investment companies, and other institutions in Michigan and California.
- **Project Manager, Wastewater Monitoring Program, Marine Corps Logistics Base (MCLB) Barstow, California**  
 Managed large-scale multi-year monitoring project for three wastewater treatment plants at the MCLB Barstow. Responsibilities included all management aspects related to the execution of the monitoring and reporting program, including consistent interaction with multiple clients/stakeholders.
- **Project Manager, Fuel Oil Spill Investigation, MCLB Barstow, CA**  
 Managed all aspects of investigation to characterize the extent of a hydrocarbon plume at the Nebo Main Base, located adjacent to the Mojave River channel. Investigation involved the direct supervision and mentoring of a certified SBA contractor learning to execute DOD environmental contracts. Assisted SBA in successfully completing all phases of the contract including preparation of original proposal, SOW, approach, and budget. Additional roles include development of Work Plan and managing all aspects associated with implementing the Work Plan, including planning, executing, and tracking costs/budgets.
- **Project Manager/Task Manager, O&M of Remedial Actions, MCLB Barstow, CA**  
 Managed all subsurface activities and investigations for a large, ongoing CERCLA remediation project covering two geographically-separate base facilities under the Navy RAC Contract. Responsibilities included planning, implementing, and documenting all subsurface activities. Prepared written interpretations and analyses of lithologic, hydrologic, and geochemical data in the form of formal report deliverables. Responsible for all aspects of long-term quarterly groundwater monitoring program that included a network of over 150 monitoring wells and a large groundwater extraction/treatment system. Prepared technical documents including work plans, sampling plans, and engineering design specifications.

Managed all aspects of quarterly groundwater monitoring program including the planning and execution of several drilling programs to install a variety of different monitoring well types involving numerous drilling techniques. Directed all field and technical activities during drilling programs, including oversight of geologists, engineers, drilling, and construction subcontractors for a multiple-crew, multiple-rig operation.

- **Project Geologist, CERCLA RI/FS - NASA Jet Propulsion Laboratory, Pasadena, CA**  
Responsible for the successful planning and execution of the Long-Term Quarterly Groundwater Monitoring program as part of CERCLA Remedial Investigation/Feasibility Study (RI/FS). Provided technical assistance in preparation of RI and FS documents, including evaluation of analytical, hydrogeologic, and other technical data.

Management responsibilities included budget preparation and tracking, procurement of equipment and subcontractors, scheduling, and communication with client. Technical responsibilities included performing and supervising field operations, training and oversight of field personnel, and preparation of technical reports and correspondences.

- **Project Geologist, Investigation for chlorinated solvents, former industrial site, Van Nuys, CA**  
Provided technical input and assistance for design, procurement, and construction of several deep, multiple-completion monitoring wells drilled and installed at an angle to reach underneath crowded industrial property. The angled wells provided a technically sophisticated and economically feasible solution to several problems that could not be addressed by conventional means. Supervised all drilling/installation efforts using sonic drilling technique.
- **Project Manager, Screening for School Sites, Los Angeles and Chino, CA**  
Managed environmental screening projects for large construction contractor for the construction of new school sites under the jurisdiction of the LAUSD and Chino School Districts. Provided comprehensive environmental screening and technical assistance to evaluate potential borrow sites to be used for construction of new school sites. Performed all aspects of project execution including, but not limited to, implementation, staffing, scheduling, budget/invoice tracking, and communication with client(s).
- **Project Geologist, Former UST Site, Naval Weapons Station, Seal Beach, CA**  
Provided technical assistance for Baseline Survey of former leaking UST site. Performed multiple formal presentations regarding the Baseline Survey work plan, results, and proposed work at several Residential Advisory Board (RAB) meetings involving the Navy, federal and state regulatory agencies, general public, and other stakeholders.

# JINNY PARK

## STAFF ENGINEER

---

### PROFESSIONAL EXPERIENCE

Ms. Park has experience planning and executing numerous phases of geotechnical engineering and environmental projects. Her geotechnical engineering background includes coordinating and performing drilling explorations, soil testing, analysis and design, document preparation, and project management. She has experience with hollow-stem auger, rotary-sonic, air-rotary, direct push, and cone-penetrometer testing drilling.

Ms. Park has also provided services on more than 100 wireless tower and antenna sites. Services include Phase I environmental site assessments (ESAs), transaction screen reports (TSRs), FCC NEPA compliance reports, and geotechnical investigations. Ms. Park is successfully serving as Program Manager for Leap Wireless / cricKet Communications in the San Diego market. She has also provided environmental evaluations for other leading network deployments, such as Cingular Wireless / AT&T Wireless and Verizon Wireless.

### PROJECT EXPERIENCE

- **Field Engineer, UPRR Railway Expansion – Deming, NM**  
Monitored steel pile driving process and performed quality control inspections for Union Pacific Railroad.
- **Project Manager, Cellular Communications Tower – San Luis Obispo, CA**  
Coordinated with drilling contractor to drill two borehole locations for downhole seismic testing of the near surface bedrock for proposed telecommunications tower improvements.
- **Program Manager, Leap Wireless / cricKet Communications – San Diego Market, California**  
Program Manager on CricKet's San Diego Market build-out consisting of 300+ overall tower sites. Completed more than 100 transaction screens, FCC NEPA summary reports and geotechnical investigation reports.
- **Project Manager, Storage Yard – Lakewood, CA**  
Coordinated with drilling contractor and USA personnel, performed geotechnical investigation, provided laboratory testing of soils and authored final report. Project consisted of the construction of a proposed storage yard with paved driveways and parking lots for staging and loading trucks from an existing railroad spur to deliver lumber to commercial stores throughout Southern California.
- **Project Manager, Phase I ESA/Phase II Due Diligence, CA**  
Managed/performed numerous Phase I ESAs per ASTM standards for fast-track real-estate transactions for commercial and industrial companies, banks, investment companies, and law firms.
- **Field Engineer, Groundwater Recharge Basin Pilot Boring Study – Lancaster, CA**  
Performed field work for pilot project involving the installation of two deep (>150 feet) borings in the Antelope Valley to evaluate the potential for a chosen location to serve as a recharge basin for groundwater storage. The borings were advanced using sonic drilling

### EDUCATION

*Bachelor of Science, Civil Engineering, California Polytechnic State University, Pomona*

### CERTIFICATIONS

*State of California Engineer-in-Training*

*OSHA 40-Hour Haz. Waste Site Operations*

### WORK HISTORY

*Terracon, Staff Engineer, 2005–present*

*Metropolitan Water District, Engineering Aide 2003-2004*

methods that provided continuous sections of soil core for evaluation and analysis. At each location, the soil was characterized and sampled for physical properties including grain-size analysis, porosity, intrinsic permeability, and hydraulic conductivity. The field effort included biologic monitoring to minimize the impacts of the drilling operations on potentially sensitive plant and animal habitats in the project locations.

- **Field Engineer, Renewable Transmission Project – Los Angeles and Kern Counties, CA**

Coordinated with drilling contractors, biological and cultural monitors, and USA personnel for all field investigation related work including health and safety training, boring relocation and drilling activities for the geotechnical investigation for over 70 miles of transmission lines. Aided in the mobilization of helicopter access drill crews which required interfacing with United State Forest Service personnel. Performed liquefaction analyses, seismic parameter analyses and wrote the geotechnical reports.

- **Field Engineer, Remedial Investigation/Remedial Action, former Dry Cleaning Facility – Laguna Beach, CA**

Aided in subsurface investigation and clean up of chlorinated solvents in soil, soil-vapor, and groundwater at a former dry cleaning facility located in a high-profile location in Laguna Beach, California. Monitored and performed several soil, soil-vapor, and groundwater investigations leading to the installation of a high-vacuum Dual-Phase Extraction (DPE) system to reduce/remove contaminant source material from soil beneath current building. Project involves coordination with current and previous site owners and their respective legal teams.

# THEODORE ANTHONY WIGHTMAN, CSST

## SENIOR STAFF ENVIRONMENTAL ENGINEER

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### PROFESSIONAL EXPERIENCE

Mr. Wightman is a senior staff engineer in the environmental department in the Irvine, California office. He has experience with various types of environmental assessments and investigations, as well as geotechnical investigations, and construction materials testing. Mr. Wightman has project managed numerous Property Transaction Screens, Phase I Environmental Site Assessments, Phase II Limited Site Investigations, and industrial hygiene-related projects.

Mr. Wightman's experience includes the following: soil, soil vapor, and groundwater sampling; inspection, sampling, and abatement oversight for asbestos, lead-based paint, and mold; moisture vapor emission testing for concrete; pile-driving inspection; soil compaction and moisture testing; and various gas monitoring.

### PROJECT EXPERIENCE

- **Phase I Environmental Site Assessments**  
Assessment of numerous sites throughout California, including processing and manufacturing facilities, automotive-related businesses, various retail and commercial properties, and former oil well and oil refinery properties.
- **Phase II Limited Site Investigations**  
Investigation of various sites throughout California to determine impacted subsurface conditions related to underground storage tanks, drycleaning facilities, and hazardous material releases.
- **Telecommunications Antenna Sites – Southern California**  
Inspection and sampling of suspect asbestos-containing materials and lead-based paint for proposed telecommunication antenna sites. Responsible for development of sampling strategy, appropriate collection of bulk samples, and preparation of reports.
- **Union Pacific Railroad – New Mexico**  
Inspection of piles for railroad wash bridge reconstruction.
- **Groundwater Sampling – Laguna Beach, California**  
Conducted groundwater sampling in conjunction with soil lithology classification following soil boring oversight.
- **Marine Corps Base – Camp Pendleton, California**  
Asbestos survey and light ballast PCB inspection for renovation of living quarters.
- **Former Oil Refinery – Vernon, California**  
Performed Phase I Environmental Site Assessment and subsequent Phase II Limited Site Investigation.
- **Long Beach Unified School District – Long Beach, California**  
Asbestos and lead-based paint abatement monitoring, mold inspection and sampling, and various air sampling.

### EDUCATION

*Bachelor of Science, Engineering  
Technology – Environmental, 2005,  
California State University,  
Long Beach*

### CERTIFICATIONS

*Asbestos Certified Site Surveillance  
Technician, California, 2005,  
No. 05-3893*

*Asbestos Contractor Supervisor,  
California, 2005*

*Asbestos Building Inspector, California,  
2005*

*40-Hour HAZWOPER, 2005*

*Radiation Safety and Use of Nuclear  
Gauges, 2007*

*Confined Space Entry, 2005*

*Lead Awareness, 2005*

*Safety Operations, 2005*

*OSHA Introduction to Safety  
Management, 2005*

*HAZ CAT Identification, 2004*

### WORK HISTORY

*Terracon Consultants, Inc.,  
Irvine, California,  
Senior Staff Engineer, 2009 - Present,  
Environmental Scientist, 2006 - 2009*

*Aspire Environmental Services,  
Huntington Beach, California,  
Industrial Hygiene Technician,  
2005 - 2006*

**ATTACHMENT 1**

**Limited Site Investigation**

**LIMITED SITE INVESTIGATION REPORT**

**FORMER RICE ARMY AIRFIELD  
HIGHWAY 62, MILE MARKER 109  
RIVERSIDE COUNTY, CALIFORNIA**

**Terracon Project No. 60097032  
July 29, 2009**

*Prepared for:*

**Rice Solar Energy, LLC  
2425 Olympic Boulevard, Suite 500 East  
Santa Monica, California 90404**

*Prepared by:*

**Terracon**  
**16662 Millikan Avenue  
Irvine, California 92606**

# Terracon

16662 Millikan Avenue  
Irvine, California 92606  
Tel: 949.660.9718  
Fax: 949.660.9732

July 29, 2009

Ms. Julie Way  
Rice Solar Energy, LLC  
2425 Olympic Boulevard, Suite 500 East  
Santa Monica, California 90404

Telephone: 310-315-2235  
Facsimile: 310-315-2201  
E-mail: julie.way@solar-reserve.com

Re: Phase II Limited Site Investigation  
Former Rice Army Airfield  
Highway 62, Mile Marker 109  
Riverside County, California 92239  
Project No. 60097032

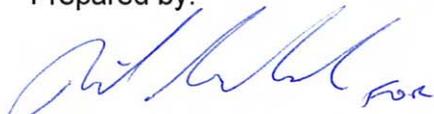
Dear Ms. Way:

Terracon is pleased to submit this Phase II Limited Site Investigation (LSI) report for the above-referenced site in support of the Rice Solar Energy, LLC application for certification (AFC) to the California Energy Commission for development of a 150 MW solar energy facility. This investigation was performed in accordance with Terracon's proposal dated April 21, 2009.

We appreciate the opportunity to perform these services for SolarReserve. Please contact us at 949-660-9718 if you have questions regarding the information provided in the report.

Sincerely,  
**Terracon Consultants, Inc.**

Prepared by:



T. Anthony Wightman  
Senior Staff Environmental Engineer



Jeff Brenner, P.G.  
Environmental Department Manager



Craig O'Rourke, CHMM  
Director of Environmental Services



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# LIMITED SITE INVESTIGATION REPORT

## FORMER RICE ARMY AIRFIELD HIGHWAY 62, MILE MARKER 109 RIVERSIDE COUNTY, CALIFORNIA

Terracon Project No. 60097032  
July 29, 2009

### 1.0 INTRODUCTION

#### 1.1 Site Description

<b>Site Name</b>	Former Rice Army Airfield
<b>Site Location/Address</b>	Highway 62, Mile Marker 109, Riverside County, California 92239
<b>General Site Description</b>	The site consists of an approximate 3,300-acre tract of land that was historically utilized as a military airfield / training camp and, subsequently, a public, civilian airport facility. The site is currently vacant with remnant foundations and features from the past use as an airfield.

Figure 1 presents the general location and topography of the site on portions of the United States Geological Survey (USGS) topographic map of the vicinity. Figure 2 is a site diagram that indicates the approximate boring locations in relation to the general site boundaries.

#### 1.2 Site History and Identification of Environmental Conditions

The site is located south of State Highway 62 at Mile Marker 109 in Riverside County, California. The site consists of an approximate 3,300-acre tract of land that was historically utilized as a military airfield / training camp (Rice Army Air Field) in the mid-1940s. Use of the site as a military airfield ceased after the end of World War II, and the site was subsequently utilized as a public, civilian airport facility (Rice Airfield) in the 1950s. The site is currently vacant; however, remnant features from the former airfield remain. Terracon conducted a Phase I Environmental Site Assessment (ESA) for the site prior to the LSI (Terracon Project No. 60097721). Refer to Section 1.3, below, for a summary of the features/areas at the site that were investigated, based on the findings of a URS report and Terracon's ESA report.

Based on these findings, Terracon recommended additional investigation to evaluate the potential environmental risks associated with these items.

### 1.3 Scope of Work

In order to address the potential environmental concerns identified during the preparation of the Phase I ESA, Terracon collected a total of forty-four (44) soil samples at the site to provide screening-level information upon which to evaluate the identified potential concerns. The features investigated include the following: burn areas, potential USTs, concrete slab with staining, pits, concrete apron, runways, and tie-downs. For several of the features, such as the wood-lined sumps, rock-filled pits, and tie-downs, additional features of the same kind were observed on-site that were not investigated; and the scope of work performed is a screening approach to determine, in general, if activities associated with the features could pose a potential for a release. The rock-filled pits and tie-downs were investigated as a screening to determine if contaminants may have been released from potential waste dumping activities and aircraft maintenance activities, respectively, that may have been conducted in these areas. The soil samples collected from the site were analyzed for the presence of one or more of the following constituents of concern: volatile organic compounds (VOCs) by EPA Method 5035/8260B, semi-volatile organic compounds (SVOCs) by EPA Method 8270C, polychlorinated biphenyls (PCBs) by EPA Method 8082, California Title 22 Metals (CAM-Metals) by EPA Method 6010B/7471A, chlorinated herbicides by EPA Method 8151A, and total petroleum hydrocarbons by carbon chain (TPH-CC) by EPA Method 8015. Boring numbers, features investigated, sampling depths, and analytical criteria are summarized in the following table.

Boring ID	Feature / Area	Depth of Sample Collection (below ground surface)	Constituents Analyzed
B-01	Burn Area	2 feet, 15 feet	VOCs, SVOCs, PCBs
B-02	Potential USTs (UST Site 3)	2 feet, 15 feet	VOCs, PCBs, TPH-CC
B-03	Concrete Slab and Wood-Lined Sump	2 feet, 15 feet	VOCs, PCBs, TPH-CC
B-04	Rock-Filled Pit	2 feet, 15 feet	VOCs, PCBs, TPH-CC
B-05	Rock-Filled Pit	2 feet, 15 feet	VOCs, PCBs, TPH-CC
B-06	Rock-Filled Pit	2 feet, 15 feet	VOCs, PCBs, TPH-CC
B-07	Wood-Lined Pit	5 feet, 10 feet, 1 foot below bottom of pit	VOCs, PCBs, TPH-CC
B-08	Concrete Apron	2 feet, 10 feet	VOCs, CAM-Metals, TPH-CC
B-09	Concrete Apron	2, 10	VOCs, CAM-Metals, TPH-CC
B-10	Deep Pit	10 feet, 1 foot below bottom of pit	VOCs, PCBs, TPH-CC
B-11	Runway	5 feet, 10 feet	VOCs, SVOCs, chlorinated herbicides, TPH-CC

Boring ID	Feature / Area	Depth of Sample Collection (below ground surface)	Constituents Analyzed
B-12/TP	Potential USTs	5 feet	VOCs, PCBs, TPH-CC
B-13	Potential USTs	5 feet, 10 feet	VOCs, PCBs, TPH-CC
B-14	Tie-Down	5 feet, 10 feet	VOCs, TPH-CC
B-15	Tie-Down	5 feet, 7.5 feet	VOCs, TPH-CC
B-16	Runway	5 feet, 10 feet	VOCs, SVOCs, chlorinated herbicides, TPH-CC
B-17	Runway	5 feet, 10 feet	VOCs, CAM-Metals, TPH-CC
B-18	Runway	5 feet, 10 feet	VOCs, SVOCs, chlorinated herbicides, TPH-CC
B-19	Tie-Down	5 feet, 10 feet	VOCs, TPH-CC
B-20	Runway	5 feet, 10 feet	VOCs, SVOCs, chlorinated herbicides, TPH-CC
B-21/TP	Tie-Down	5 feet, 10 feet	VOCs, SVOCs, chlorinated herbicides, TPH-CC
B-22	Boring advanced for geotechnical investigation; not applicable to LSI		
B-23	Boring advanced for geotechnical investigation; not applicable to LSI		
B-24	Burn Area	2 feet, 15 feet	VOCs, SVOCs, PCBs

TP (Test Pit) – soil samples were collected from a test pit that was excavated during the geotechnical investigation at the site.

The soil sampling activities are further discussed in Section 2.0.

#### 1.4 Standard of Care

Terracon’s services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These LSI services were performed in accordance with the scopes of work agreed with you, our client, as reflected in our proposal, and were not restricted by ASTM E1903-97.

#### 1.5 Additional Scope Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of

work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable, or not present during these services; and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this LSI. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments, investigations, or exploratory services; the data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

## **1.6 Reliance**

This LSI report has been prepared for the exclusive use and reliance of SolarReserve and Rice Solar Energy, LLC. Use or reliance by any other party is prohibited without the written authorization of SolarReserve and Terracon. Reliance on the LSI by the client will be subject to the terms, conditions, and limitations stated in the proposal, LSI report, and Terracon's Agreement for Services. The limitation of liability defined in our Agreement for Services with the client is the aggregate limit of Terracon's liability to the client and all relying parties.

## **2.0 FIELD ACTIVITIES**

### **2.1 Pre-Mobilization**

Prior to drilling activities, the boring locations were marked by Terracon personnel for clearance of underground utilities by Underground Service Alert of Southern California. In addition, Spectrum Geophysics, a State of California licensed geophysical contractor, was engaged to survey boring locations using ground-penetrating radar (GPR) and electro-magnetic (EM) methods that are considered to be adequate for unexploded ordnance (UXO) detection.

### **2.2 Soil Boring Activities**

Terracon's field activities were conducted from June 22<sup>nd</sup> through June 25<sup>th</sup>, 2009 by Mr. Anthony Wightman, Senior Staff Environmental Engineer, Ms. Jinny Park, Senior Staff Engineer, and Mr. Michael Riggle, Project Geologist, under the direction of Mr. Jeff Brenner, P.G., a California-licensed Professional Geologist. Drilling services were performed by Jet Drilling, Inc., a State of California C-57 licensed driller. Soil borings were advanced using a truck-mounted CME-75 drill rig utilizing 8-inch diameter hollow-stem augers.

During boring advancement, soil was visually observed to document lithology, color, moisture content, and sensory/visual evidence of impairment. Following completion, all borings were

backfilled with soil cuttings. Groundwater is in excess of 300-feet bgs and was not investigated as part of the scope of work.

### **2.3 Soil Sampling Activities**

For the scope of this LSI, Terracon advanced a total of twenty-four (24) borings at the site (B-01 to B-24), although borings B-22 and B-23 were advanced strictly for the purposes of a geotechnical investigation that was conducted at the site by Terracon in conjunction with the LSI. Therefore, B-22 and B-23 are not further mentioned in this report, as they are not included in the scope of this LSI. However, a separate geotechnical report was submitted to SolarReserve. Borings at the site were generally advanced to approximately ten (10) to fifteen (15) feet below ground surface (bgs) for the purpose of environmental sampling; although, many of the borings were also utilized for the purpose of the geotechnical investigation and were further advanced to a total depth of approximately thirty (30) feet bgs. Soil samples for B-12/TP and B-21/TP were collected from a test pit that was excavated during the geotechnical investigation at the site. As summarized in the table provided in Section 1.3, soil samples collected for laboratory analysis were generally collected from approximately two (2) to fifteen (15) feet bgs.

The soil samples were collected in either laboratory-supplied glassware or clean, stainless steel sleeves, capped with Teflon-coated paper and plastic end caps. In addition, samples for VOC analysis were collected utilizing laboratory-supplied 5035 sample kits. The samples were then sealed within a resealable plastic bag, and immediately placed on ice in a cooler. The sample cooler was transported to SunStar Laboratories, Inc. a State of California certified environmental laboratory, in Lake Forest, California for analyses. All samples were handled and transported under strict chain-of-custody protocols.

### **3.0 SAMPLING RESULTS AND EVALUATION**

Laboratory results for the soil samples are summarized in Table 1. The laboratory data reports and executed chain of custody forms are provided in Appendix A.

#### **3.1 Soil Sampling Results**

As summarized in the table provided in Section 1.3, the soil samples collected from the site were analyzed for the presence of one or more of the following constituents of concern: VOCs by EPA Method 5035/8260B, SVOCs by EPA Method 8270C, PCBs by EPA Method 8082, CAM-Metals by EPA Method 6010B/7471A, chlorinated herbicides by EPA Method 8151A, and TPH-CC by EPA Method 8015.

Based on the laboratory analytical results, the following metals were detected at or above their respective laboratory detection limits in the soil samples collected from the site that were analyzed

for CAM-Metals: arsenic, barium, chromium, cobalt, copper, nickel, vanadium, and zinc. However, with the exception of arsenic, the reported concentrations of constituents in these samples were well below the applicable United States Environmental Protection Agency (US EPA), Region 9 Regional Screening Level (RSL) for industrial soils and/or California EPA / Department of Toxic Substances Control (DTSC) California Human Health Screening Level (CHHSL) for commercial/industrial land use for each respective compound.

In samples B-17@5' and B-17@10', arsenic was detected at concentrations of 28 and 18 milligrams per kilogram (mg/kg), respectively, which are above its applicable RSL for industrial soils of 1.6 mg/kg and the CHHSL for commercial/industrial land use of 0.24 mg/kg. Although arsenic was detected in the soil samples obtained from boring B-17 at levels above the RSL and CHHSL, California soils commonly exhibit arsenic in naturally-occurring concentrations ranging up to and in excess of 20 mg/kg. Based on Terracon's experience, the detected arsenic concentrations are within typical background concentrations in the project area; therefore, the concentration of arsenic detected does not appear to represent a contaminant source or warrant further assessment.

In addition, trace amounts of petroleum hydrocarbons were detected at or above the laboratory detection limit in three (3) of the forty (40) soil samples collected from the site that were analyzed for TPH-CC. Since the site is not located in an area with designated regulatory screening levels for petroleum hydrocarbons in soil, the Maximum Soil Screening Levels designated by the Los Angeles Regional Water Quality Control Board (LA RWQCB) were utilized for comparative reference. Considering the aforementioned, the reported concentrations of petroleum hydrocarbons in these samples were well below the LA RWQCB Maximum Soil Screening Levels, and the concentrations obtained do not indicate a significant release of petroleum hydrocarbons in the areas sampled.

The presence of VOCs, SVOCs, PCBs, and chlorinated herbicides were not detected at or above their respective laboratory detection limits in any of the soil samples collected from the site that were analyzed for these constituents.

#### **4.0 QUALITY ASSURANCE AND QUALITY CONTROL**

The soil samples were collected and maintained under strict chain-of-custody protocols through delivery to the analytical laboratory. Copies of the chain of custody forms are included in Appendix A. All analytical laboratory quality control parameters were in conformance and no data required qualification by the analytical laboratory.

#### **5.0 FINDINGS AND CONCLUSIONS**

The objective of the LSI was to investigate the potential presence of VOCs, SVOCs, PCBs, CAM-

**Former Rice Army Airfield – LSI  
Project No. 60097032  
July 29, 2009**



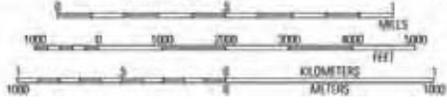
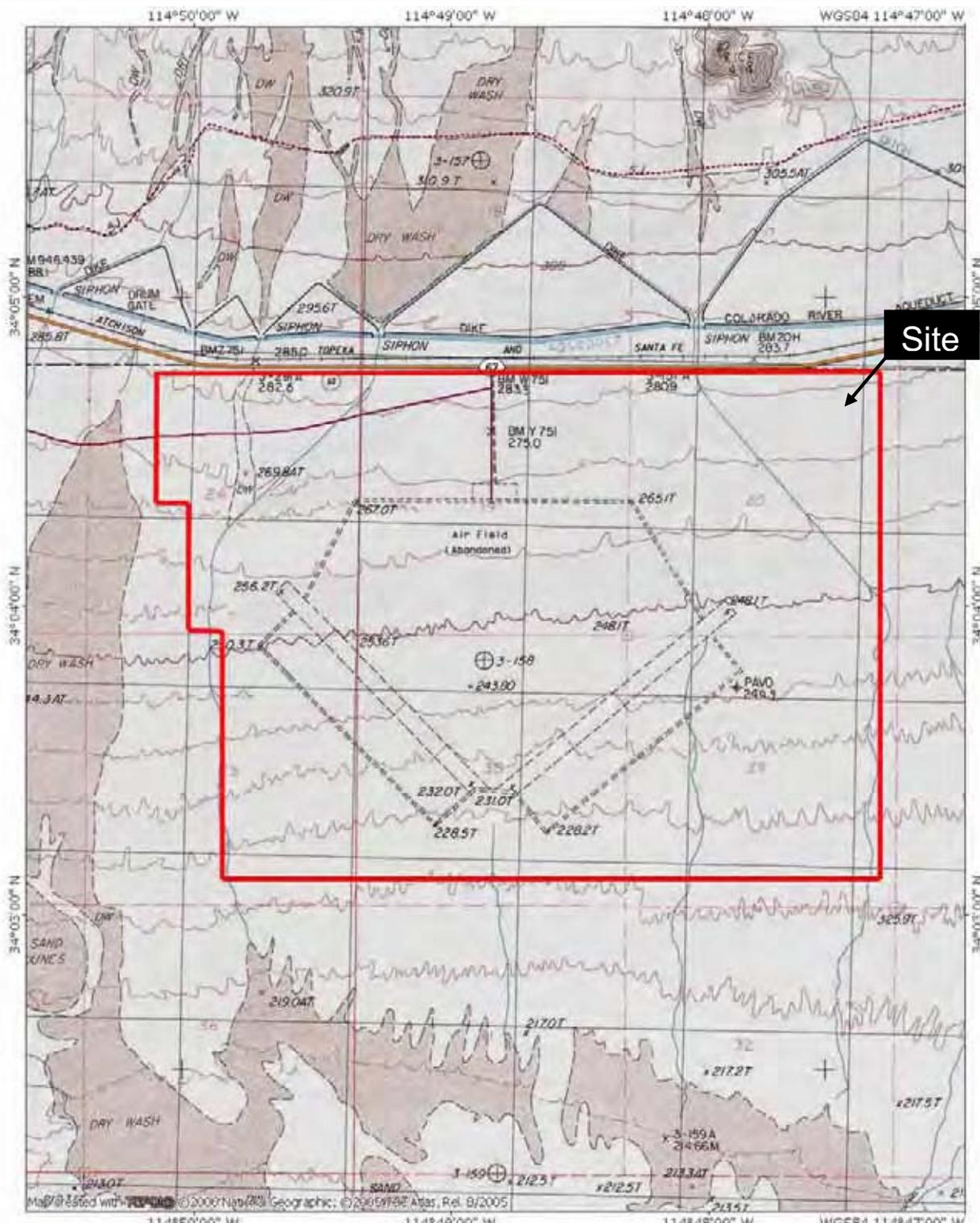
Metals, chlorinated herbicides, and/or TPH-CC in the soil near the features described above. Based on the scope of this investigation, the analytical results obtained during this LSI do not indicate evidence that the soils beneath the site have been significantly impacted with hazardous substances associated with the historic activities at the site.

**FIGURES**

***Figure 1 – Topographic Map***

***Figure 2 – Site Diagram with Sample Locations***

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TN 12V 03/25/09

Reference: USGS Rice, California, 7.5-minute Quadrangle (Photorevised 1983)

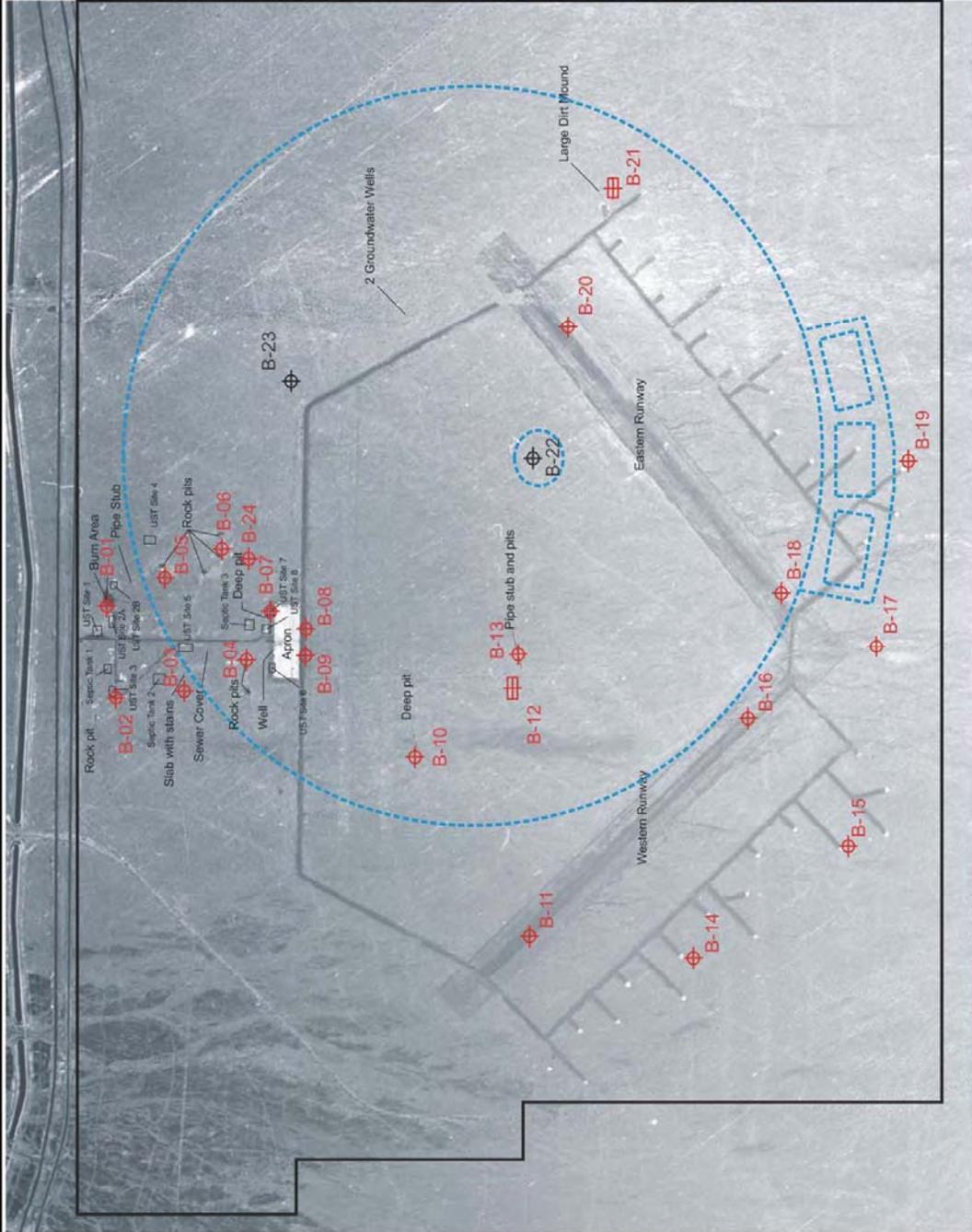


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES.

### TOPOGRAPHIC MAP

Former Rice Army Airfield  
 Highway 62, Mile Marker 109  
 Riverside County, California 92239

Project Mngr:	AW	<p>16662 Millikan Avenue        Irvine, California 92606        949-660-9718 Fax: 949-660-9732</p>	Project No.	60097032
Designed By:	AW		Scale:	See scale
Checked By:	JB		Date:	07/15/2009
Approved By:	CO		Drawn By:	NA
File Name:	60097032-Former Rice Airfield-Figure 1 Topo		Figure No.	1



**LEGEND:**

⊕ B-21  
Approximate Boring Locations

⊕ B-12  
Approximate Test Pit Locations

**NOTE:**  
Borings in black were performed for the Geotechnical Investigation and are provided under separate cover.  
DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES.

SITE DIAGRAM		FORMER RICE ARMY AIRFIELD HIGHWAY 62 MILE MARKER 109 RIVERSIDE COUNTY, CALIFORNIA 92239 Prepared for Rice Solar Energy, LLC.	
Project No:	60097032	Project Mgr:	AW
Scale:	Not to Scale	Designed By:	JP
Date:	7/29/2009	Checked By:	CO
Drawn By:	JP/AW	Approved By:	CO
File Name:	60097032-Former Rice Airfield-Figure 2 Site Diagram	File No.	2



16662 Millikan Avenue  
Irvine, California 92606

**TABLES**

***Table 1 – Summary of Analytical Results for Soil***

---

**Table 1**  
**Summary of Analytical Results for Soil**

**Borings B-01 through B-11**

Analyte	Sample ID:											Regulatory Screening Level												
	B-01 @2'	B-01 @15'	B-02 @5'	B-02 @15'	B-03 @5'	B-03 @15'	B-04 @5'	B-04 @15'	B-05 @5'	B-05 @15'	B-06 @5'	B-06 @15'	B-07 @5'	B-07 @10'	B-07 @P	B-08 @2'	B-08 @10'	B-09 @2'	B-09 @10'	B-10 @10'	B-10 @P	B-11 @5'	B-11 @10'	
<b>VOCs</b>																								
All VOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>SVOCs</b>																								
All SVOCs	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>PCBs</b>																								
All PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CAM-Metals</b>																								
Barium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	80	49	70	46	--	--	--	--	--	190,000
Chromium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.7	13	11	8.1	--	--	--	--	--	63,000
Cobalt	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4	5.3	5.6	4.2	--	--	--	--	--	1,400
Copper	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.2	13	9.7	8.6	--	--	--	--	--	300
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.6	8.5	5.3	5.8	--	--	--	--	--	41,000
Vanadium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	33	41	54	23	--	--	--	--	--	20,000
Zinc	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20	23	21	19	--	--	--	--	--	5,200
All other CAM-Metals	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	310,000
<b>Chlorinated Herbicides</b>																								
All Chlorinated Herbicides	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	CHHSL
<b>TPH-CC</b>																								
C6-C12	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Maximum Soil Screening Level								
C13-C28	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000 (C4-C12)								
C29-C40	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000 (C13-C22)								

**Notes:**  
 µg/kg – micrograms per kilogram  
 mg/kg – milligrams per kilogram  
 ND – Not detected at or above laboratory reporting limit  
 NE – Not established  
 "L", "N" – Not analyzed or not applicable  
 VOCs – Volatile Organic Compounds, analyzed by EPA Method 5035/8260B  
 SVOCs – Semi-Volatile Organic Compounds, analyzed by EPA Method 8270C  
 PCBs – Polychlorinated Biphenyls, analyzed by EPA Method 8082  
 CAM-Metals – California Title 22 Metals, analyzed by EPA Method 6010B/7471A, provided in mg/kg  
 Chlorinated Herbicides – analyzed by EPA Method 8151A  
 TPH-CC – Total Petroleum Hydrocarbons by Carbon Chain, analyzed by EPA Method 8015, provided in mg/kg  
 C13-C28 – United States Environmental Protection Agency (US EPA), Region 9 Regional Screening Level for Industrial Soils (2008, revised 2009), provided in mg/kg  
 CHHSL – California EPA / Department of Toxic Substances Control (DTSC) California Human Health Screening Level for Commercial/Industrial Land Use (2005), provided in mg/kg  
 Maximum Soil Screening Level – Los Angeles Regional Water Quality Control Board (Region 4) screening levels for soils over 150 feet above groundwater (2005), provided in mg/kg (Used for reference only. May not apply to site.)

Table 1 (continued)  
 Summary of Analytical Results for Soil

Borings B-12 through B-21; B-24

Analyte	Sample ID:																Regulatory Screening Level					
	B-12 @5'	B-13 @10'	B-14 @5'	B-14 @10'	B-15 @5'	B-15 @7.5'	B-16 @5'	B-16 @10'	B-17 @5'	B-17 @10'	B-18 @5'	B-18 @10'	B-19 @5'	B-19 @10'	B-20 @5'	B-20 @10'	B-21 @5'	B-21 @10'	B-24 @2'	B-24 @15'		
<b>VOCs</b>																					RSL	
All VOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>SVOCs</b>																					RSL	
All SVOCs	--	--	--	--	--	ND	ND	ND	--	ND	ND	ND	--	--	ND	ND	ND	ND	ND	ND	--	--
<b>PCBs</b>																					CHHSL	
All PCBs	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>CAM-Metals</b>																					RSL	CHHSL
Arsenic	--	--	--	--	--	--	--	--	28	18	--	--	--	--	--	--	--	--	--	--	1.6	0.24
Barium	--	--	--	--	--	--	--	--	1,000	230	--	--	--	--	--	--	--	--	--	--	190,000	63,000
Chromium	--	--	--	--	--	--	--	--	15	16	--	--	--	--	--	--	--	--	--	--	1,400	NE
Cobalt	--	--	--	--	--	--	--	--	4.9	5.9	--	--	--	--	--	--	--	--	--	--	300	3,200
Copper	--	--	--	--	--	--	--	--	12	11	--	--	--	--	--	--	--	--	--	--	41,000	38,000
Nickel	--	--	--	--	--	--	--	--	6.4	8.3	--	--	--	--	--	--	--	--	--	--	20,000	16,000
Vanadium	--	--	--	--	--	--	--	--	77	75	--	--	--	--	--	--	--	--	--	--	5,200	6,700
Zinc	--	--	--	--	--	--	--	--	20	21	--	--	--	--	--	--	--	--	--	--	310,000	100,000
All other CAM-Metals	--	--	--	--	--	--	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--
<b>Chlorinated Herbicides</b>																					CHHSL	
All Chlorinated Herbicides	--	--	--	--	--	--	ND	ND	--	ND	ND	ND	--	--	ND	ND	ND	ND	ND	--	--	--
<b>TPH-CC</b>																					Maximum Soil Screening Level	
C6-C12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	1,000 (C4-C12)	
C13-C28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	10,000 (C13-C22)	
C29-C40	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	--	50,000 (C23-C32)									

**Notes:**  
 µg/kg – micrograms per kilogram  
 mg/kg – milligrams per kilogram  
 ND – Not detected at or above laboratory reporting limit  
 NE – Not established  
 “--” – Not analyzed or not applicable  
**VOCs** – Volatile Organic Compounds, analyzed by EPA Method 5035/8260B  
**SVOCs** – Semi-Volatile Organic Compounds, analyzed by EPA Method 8270C  
**PCBs** – Polychlorinated Biphenyls, analyzed by EPA Method 8082  
**CAM-Metals** – California Title 22 Metals, analyzed by EPA Method 6010B/7471A, provided in mg/kg  
**Chlorinated Herbicides** – analyzed by EPA Method 8151A  
**TPH-CC** – Total Petroleum Hydrocarbons by Carbon Chain, analyzed by EPA Method 8015, provided in mg/kg  
**RSL** – United States Environmental Protection Agency (US EPA), Region 9 Regional Screening Level for Industrial Soils (2008, revised 2009), provided in mg/kg  
**CHHSL** – California EPA / Department of Toxic Substances Control (DTSC) California Human Health Screening Level for Commercial/Industrial Land Use (2005), provided in mg/kg  
**Maximum Soil Screening Level** – Los Angeles Regional Water Quality Control Board (Region 4) screening levels for soils over 150 feet above groundwater (2005), provided in mg/kg (Used for reference only. May not apply to site.)

**APPENDIX A**

***Laboratory Data Reports and Chain of Custody Records***

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25712 Commercentre Drive  
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06 July 2009

Anthony Wightman  
Terracon - Irvine  
16662 Millikan Avenue  
Irvine, CA 92606  
RE: Rice

Enclosed are the results of analyses for samples received by the laboratory on 06/23/09 12:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "John J. Shepler".

John Shepler  
Laboratory Director



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 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

**Reported:**  
 07/06/09 16:44

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-20 @5'	T900573-01	Soil	06/22/09 17:05	06/23/09 12:40
B-20 @10'	T900573-02	Soil	06/22/09 16:05	06/23/09 12:40
B-18 @5'	T900573-03	Soil	06/23/09 08:45	06/23/09 12:40
B-18 @10'	T900573-04	Soil	06/23/09 09:00	06/23/09 12:40
B-15 @5'	T900573-05	Soil	06/23/09 11:15	06/23/09 12:40
B-15 @7.5'	T900573-06	Soil	06/23/09 11:07	06/23/09 12:40
B-21 @5'	T900573-07	Soil	06/23/09 10:50	06/23/09 12:40
B-21 @10'	T900573-08	Soil	06/23/09 10:40	06/23/09 12:40

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-20 @5'**  
**T900573-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062407	06/24/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		105 %	65-135		"	"	"	"	

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	5.00	ug/kg	1	9062401	06/24/09	07/06/09	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	
Chloramben	ND	5.00	"	"	"	"	"	"	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA		20.3 %	35-150		"	"	"	"	S-03

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062408	06/24/09	06/24/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-20 @5'**  
**T900573-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

tert-Butylbenzene	ND	5.0	ug/kg	1	9062408	06/24/09	06/24/09	EPA 8260B	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-20 @5'**  
**T900573-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

n-Propylbenzene	ND	5.0	ug/kg	1	9062408	06/24/09	06/24/09	EPA 8260B	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.5 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		147 %	90-135		"	"	"	"	S-GC
Surrogate: Toluene-d8		106 %	85-115		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	9062402	06/24/09	06/30/09	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-20 @5'**  
**T900573-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Chloro-3-methylphenol	ND	1000	ug/kg	1	9062402	06/24/09	06/30/09	EPA 8270C	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-20 @5'**  
**T900573-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Diethyl phthalate	ND	300	ug/kg	1	9062402	06/24/09	06/30/09	EPA 8270C
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"
Dimethyl phthalate	ND	300	"	"	"	"	"	"
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"
Fluoranthene	ND	300	"	"	"	"	"	"
Fluorene	ND	300	"	"	"	"	"	"
Hexachlorobenzene	ND	1500	"	"	"	"	"	"
Hexachlorobutadiene	ND	300	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"
Hexachloroethane	ND	300	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"
Isophorone	ND	300	"	"	"	"	"	"
2-Methylphenol	ND	1000	"	"	"	"	"	"
4-Methylphenol	ND	1000	"	"	"	"	"	"
Naphthalene	ND	300	"	"	"	"	"	"
2-Nitroaniline	ND	300	"	"	"	"	"	"
3-Nitroaniline	ND	300	"	"	"	"	"	"
4-Nitroaniline	ND	300	"	"	"	"	"	"
Nitrobenzene	ND	1000	"	"	"	"	"	"
2-Nitrophenol	ND	1000	"	"	"	"	"	"
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"
Phenanthrene	ND	300	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"

Surrogate: 2-Fluorophenol

51.3 % 14.3-83.1

Surrogate: Phenol-d6

57.3 % 12-95.6

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John Shepler, Laboratory Director



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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	<b>Reported:</b> 07/06/09 16:44
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**B-20 @5'**  
**T900573-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Surrogate: Nitrobenzene-d5	69.4 %	21.3-119			9062402	06/24/09	06/30/09	EPA 8270C	
Surrogate: 2-Fluorobiphenyl	81.3 %	32.4-102			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	69.3 %	18.1-101			"	"	"	"	
Surrogate: Terphenyl-d14	73.8 %	29.1-130			"	"	"	"	

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/06/09 16:44
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**B-20 @10'**  
**T900573-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062407	06/24/09	06/25/09	EPA 8015C	
<b>C13-C28 (DRO)</b>	<b>11</b>	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>66</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		86.1 %	65-135		"	"	"	"	

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	5.00	ug/kg	1	9062401	06/24/09	07/06/09	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	
Chloramben	ND	5.00	"	"	"	"	"	"	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
<i>Surrogate: 2,4-DCAA</i>		70.4 %	35-150		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062408	06/24/09	06/24/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-20 @10'**  
**T900573-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Carbon tetrachloride	ND	5.0	ug/kg	1	9062408	06/24/09	06/24/09	EPA 8260B	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-20 @10'**  
**T900573-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Styrene	ND	5.0	ug/kg	1	9062408	06/24/09	06/24/09	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		154 %	90-135		"	"	"	"	S-GC
Surrogate: Toluene-d8		104 %	85-115		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	9062402	06/24/09	06/30/09	EPA 8270C	
Aniline	ND	300	"	"	"	"	"	"	
Phenol	ND	1000	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-20 @10'**  
**T900573-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-Methylnaphthalene	ND	300	ug/kg	1	9062402	06/24/09	06/30/09	EPA 8270C	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-20 @10'**  
**T900573-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2,4-Dimethylphenol	ND	1000	ug/kg	1	9062402	06/24/09	06/30/09	EPA 8270C	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol	44.7 %		14.3-83.1		"	"	"	"	
Surrogate: Phenol-d6	52.1 %		12-95.6		"	"	"	"	
Surrogate: Nitrobenzene-d5	65.6 %		21.3-119		"	"	"	"	

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----------------------------------------------------------------	--------------------------------------------------------------------------------	------------------------------------

**B-20 @10'**  
**T900573-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	71.6 %	32.4-102			9062402	06/24/09	06/30/09	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	67.1 %	18.1-101			"	"	"	"	
Surrogate: Terphenyl-dl4	68.1 %	29.1-130			"	"	"	"	

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 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-18 @5'**  
**T900573-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062407	06/24/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		106 %	65-135		"	"	"	"	

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	5.00	ug/kg	1	9062401	06/24/09	07/06/09	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	
Chloramben	ND	5.00	"	"	"	"	"	"	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA		66.8 %	35-150		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062408	06/24/09	06/24/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	

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 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-18 @5'**  
**T900573-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Carbon tetrachloride	ND	5.0	ug/kg	1	9062408	06/24/09	06/24/09	EPA 8260B	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	

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John Shepler, Laboratory Director



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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-18 @5'**  
**T900573-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Styrene	ND	5.0	ug/kg	1	9062408	06/24/09	06/24/09	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		124 %	75.1-121		"	"	"	"	S-GC
Surrogate: Dibromofluoromethane		159 %	90-135		"	"	"	"	S-GC
Surrogate: Toluene-d8		107 %	85-115		"	"	"	"	

**Semivolatle Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	9062402	06/24/09	06/30/09	EPA 8270C	
Aniline	ND	300	"	"	"	"	"	"	
Phenol	ND	1000	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-18 @5'**  
**T900573-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-Methylnaphthalene	ND	300	ug/kg	1	9062402	06/24/09	06/30/09	EPA 8270C	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-18 @5'**  
**T900573-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
2,4-Dimethylphenol	ND	1000	ug/kg	1	9062402	06/24/09	06/30/09	EPA 8270C
Dimethyl phthalate	ND	300	"	"	"	"	"	"
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"
Fluoranthene	ND	300	"	"	"	"	"	"
Fluorene	ND	300	"	"	"	"	"	"
Hexachlorobenzene	ND	1500	"	"	"	"	"	"
Hexachlorobutadiene	ND	300	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"
Hexachloroethane	ND	300	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"
Isophorone	ND	300	"	"	"	"	"	"
2-Methylphenol	ND	1000	"	"	"	"	"	"
4-Methylphenol	ND	1000	"	"	"	"	"	"
Naphthalene	ND	300	"	"	"	"	"	"
2-Nitroaniline	ND	300	"	"	"	"	"	"
3-Nitroaniline	ND	300	"	"	"	"	"	"
4-Nitroaniline	ND	300	"	"	"	"	"	"
Nitrobenzene	ND	1000	"	"	"	"	"	"
2-Nitrophenol	ND	1000	"	"	"	"	"	"
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"
Phenanthrene	ND	300	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"

Surrogate: 2-Fluorophenol	35.7 %	14.3-83.1	"	"	"	"	"	"
Surrogate: Phenol-d6	41.2 %	12-95.6	"	"	"	"	"	"
Surrogate: Nitrobenzene-d5	49.6 %	21.3-119	"	"	"	"	"	"

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**B-18 @5'**  
**T900573-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	59.4 %	32.4-102			9062402	06/24/09	06/30/09	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	45.4 %	18.1-101			"	"	"	"	
Surrogate: Terphenyl-d14	50.1 %	29.1-130			"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-18 @10'**  
**T900573-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062407	06/24/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		85.8 %	65-135		"	"	"	"	

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	5.00	ug/kg	1	9062401	06/24/09	07/06/09	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	
Chloramben	ND	5.00	"	"	"	"	"	"	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
<i>Surrogate: 2,4-DCAA</i>		61.8 %	35-150		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062408	06/24/09	06/24/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	

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 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-18 @10'**  
**T900573-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Carbon tetrachloride	ND	5.0	ug/kg	1	9062408	06/24/09	06/24/09	EPA 8260B	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	

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**B-18 @10'**  
**T900573-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Styrene	ND	5.0	ug/kg	1	9062408	06/24/09	06/24/09	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		151 %	90-135		"	"	"	"	S-GC
Surrogate: Toluene-d8		105 %	85-115		"	"	"	"	

**Semivolatle Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	9062402	06/24/09	06/30/09	EPA 8270C	
Aniline	ND	300	"	"	"	"	"	"	
Phenol	ND	1000	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	

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John Shepler, Laboratory Director



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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-18 @10'**  
**T900573-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1-Methylnaphthalene	ND	300	ug/kg	1	9062402	06/24/09	06/30/09	EPA 8270C	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-18 @10'**  
**T900573-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

2,4-Dimethylphenol	ND	1000	ug/kg	1	9062402	06/24/09	06/30/09	EPA 8270C	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		48.4 %	14.3-83.1	"	"	"	"	"	
Surrogate: Phenol-d6		53.3 %	12-95.6	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		64.8 %	21.3-119	"	"	"	"	"	

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**B-18 @10'**  
**T900573-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	71.1 %	32.4-102			9062402	06/24/09	06/30/09	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	61.3 %	18.1-101			"	"	"	"	
Surrogate: Terphenyl-d14	66.3 %	29.1-130			"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-15 @5'**  
**T900573-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062407	06/24/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		108 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062408	06/24/09	06/24/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-15 @5'**  
**T900573-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	5.0	ug/kg	1	9062408	06/24/09	06/24/09	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	

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**B-15 @5'**  
**T900573-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
o-Xylene	ND	5.0	ug/kg	1	9062408	06/24/09	06/24/09	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	123 %	75.1-121			"	"	"	"	S-GC
Surrogate: Dibromofluoromethane	156 %	90-135			"	"	"	"	S-GC
Surrogate: Toluene-d8	108 %	85-115			"	"	"	"	

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**B-15 @7.5'**  
**T900573-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062407	06/24/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		106 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062408	06/24/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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**B-15 @7.5'**  
**T900573-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	5.0	ug/kg	1	9062408	06/24/09	06/26/09	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	

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**B-15 @7.5'**  
**T900573-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
o-Xylene	ND	5.0	ug/kg	1	9062408	06/24/09	06/26/09	EPA 8260B
Surrogate: 4-Bromofluorobenzene	95.9 %	75.1-121			"	"	"	"
Surrogate: Dibromofluoromethane	123 %	90-135			"	"	"	"
Surrogate: Toluene-d8	97.9 %	85-115			"	"	"	"

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/06/09 16:44
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**B-21 @5'**  
**T900573-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062407	06/24/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		106 %	65-135		"	"	"	"	

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	5.00	ug/kg	1	9062401	06/24/09	07/06/09	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	
Chloramben	ND	5.00	"	"	"	"	"	"	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA		76.2 %	35-150		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062408	06/24/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-21 @5'**  
**T900573-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Carbon tetrachloride	ND	5.0	ug/kg	1	9062408	06/24/09	06/26/09	EPA 8260B	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/06/09 16:44
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**B-21 @5'**  
**T900573-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Styrene	ND	5.0	ug/kg	1	9062408	06/24/09	06/26/09	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.0 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		112 %	90-135		"	"	"	"	
Surrogate: Toluene-d8		102 %	85-115		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	9062402	06/24/09	06/30/09	EPA 8270C	
Aniline	ND	300	"	"	"	"	"	"	
Phenol	ND	1000	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-21 @5'**  
**T900573-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-Methylnaphthalene	ND	300	ug/kg	1	9062402	06/24/09	06/30/09	EPA 8270C	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-21 @5'**  
**T900573-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
2,4-Dimethylphenol	ND	1000	ug/kg	1	9062402	06/24/09	06/30/09	EPA 8270C
Dimethyl phthalate	ND	300	"	"	"	"	"	"
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"
Fluoranthene	ND	300	"	"	"	"	"	"
Fluorene	ND	300	"	"	"	"	"	"
Hexachlorobenzene	ND	1500	"	"	"	"	"	"
Hexachlorobutadiene	ND	300	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"
Hexachloroethane	ND	300	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"
Isophorone	ND	300	"	"	"	"	"	"
2-Methylphenol	ND	1000	"	"	"	"	"	"
4-Methylphenol	ND	1000	"	"	"	"	"	"
Naphthalene	ND	300	"	"	"	"	"	"
2-Nitroaniline	ND	300	"	"	"	"	"	"
3-Nitroaniline	ND	300	"	"	"	"	"	"
4-Nitroaniline	ND	300	"	"	"	"	"	"
Nitrobenzene	ND	1000	"	"	"	"	"	"
2-Nitrophenol	ND	1000	"	"	"	"	"	"
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"
Phenanthrene	ND	300	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"
Surrogate: 2-Fluorophenol	50.3 %		14.3-83.1		"	"	"	"
Surrogate: Phenol-d6	60.9 %		12-95.6		"	"	"	"
Surrogate: Nitrobenzene-d5	72.8 %		21.3-119		"	"	"	"

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**B-21 @5'**  
**T900573-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	88.0 %	32.4-102			9062402	06/24/09	06/30/09	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	69.2 %	18.1-101			"	"	"	"	
Surrogate: Terphenyl-dl4	87.7 %	29.1-130			"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-21 @10'**  
**T900573-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062407	06/24/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		105 %	65-135		"	"	"	"	

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	5.00	ug/kg	1	9062401	06/24/09	07/06/09	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	
Chloramben	ND	5.00	"	"	"	"	"	"	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA		72.6 %	35-150		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062408	06/24/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-21 @10'**  
**T900573-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Carbon tetrachloride	ND	5.0	ug/kg	1	9062408	06/24/09	06/26/09	EPA 8260B	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-21 @10'**  
**T900573-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Styrene	ND	5.0	ug/kg	1	9062408	06/24/09	06/26/09	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		132 %	90-135		"	"	"	"	
Surrogate: Toluene-d8		102 %	85-115		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	9062402	06/24/09	06/30/09	EPA 8270C	
Aniline	ND	300	"	"	"	"	"	"	
Phenol	ND	1000	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-21 @10'**  
**T900573-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-Methylnaphthalene	ND	300	ug/kg	1	9062402	06/24/09	06/30/09	EPA 8270C	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**B-21 @10'**  
**T900573-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2,4-Dimethylphenol	ND	1000	ug/kg	1	9062402	06/24/09	06/30/09	EPA 8270C	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol	48.3 %	14.3-83.1	"	"	"	"	"	"	
Surrogate: Phenol-d6	48.9 %	12-95.6	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5	73.1 %	21.3-119	"	"	"	"	"	"	

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**B-21 @10'**  
**T900573-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	81.0 %	32.4-102			9062402	06/24/09	06/30/09	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	69.3 %	18.1-101			"	"	"	"	
Surrogate: Terphenyl-d14	92.3 %	29.1-130			"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**Extractable Petroleum Hydrocarbons by 8015C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062407 - EPA 3550B GC**

**Blank (9062407-BLK1)**

Prepared: 06/24/09 Analyzed: 06/25/09

C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	106		"	100		106	65-135			

**LCS (9062407-BS1)**

Prepared: 06/24/09 Analyzed: 06/25/09

C13-C28 (DRO)	400	10	mg/kg	500	ND	80.5	75-125			
Surrogate: p-Terphenyl	86.1		"	100		86.1	65-135			

**Matrix Spike (9062407-MS1)**

Source: T900573-03

Prepared: 06/24/09 Analyzed: 06/25/09

C13-C28 (DRO)	450	10	mg/kg	500	ND	90.9	75-125			
Surrogate: p-Terphenyl	107		"	100		107	65-135			

**Matrix Spike Dup (9062407-MSD1)**

Source: T900573-03

Prepared: 06/24/09 Analyzed: 06/25/09

C13-C28 (DRO)	470	10	mg/kg	500	ND	93.3	75-125	2.63	20	
Surrogate: p-Terphenyl	112		"	100		112	65-135			

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**Chlorinated Herbicides by EPA Method 8151A - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062401 - 8151 Prep**

**Blank (9062401-BLK1)**

Prepared: 06/24/09 Analyzed: 07/06/09

2,4,5-T	ND	5.00	ug/kg							
2,4,5-TP (Silvex)	ND	5.00	"							
2,4-D	ND	5.00	"							
2,4-DB	ND	5.00	"							
3,5-Dichlorobenzoic acid	ND	5.00	"							
4-Nitrophenol	ND	5.00	"							
Acifluorfen	ND	5.00	"							
Bentazon	ND	5.00	"							
Chloramben	ND	5.00	"							
Dalapon	ND	30.0	"							
DCPA diacid	ND	5.00	"							
Dicamba	ND	5.00	"							
Dichloroprop	ND	5.00	"							
Dinoseb	ND	5.00	"							
Pentachlorophenol	ND	5.00	"							
Picloram	ND	5.00	"							

Surrogate: 2,4-DCAA

102 " 200 50.9 35-150

**LCS (9062401-BS1)**

Prepared: 06/24/09 Analyzed: 07/06/09

2,4,5-T	66.2	5.00	ug/kg	100		66.2	20-150			
2,4,5-TP (Silvex)	63.2	5.00	"	100		63.2	20-150			
2,4-D	54.4	5.00	"	100		54.4	20-150			

Surrogate: 2,4-DCAA

130 " 200 65.2 35-150

**Matrix Spike (9062401-MS1)**

Source: T900573-01

Prepared: 06/24/09 Analyzed: 07/06/09

2,4,5-T	52.4	5.00	ug/kg	100	ND	52.4	20-150			
2,4,5-TP (Silvex)	58.1	5.00	"	100	ND	58.1	20-150			
2,4-D	58.6	5.00	"	100	ND	58.6	20-150			

Surrogate: 2,4-DCAA

75.4 " 200 37.7 35-150

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

**Reported:**  
 07/06/09 16:44

**Chlorinated Herbicides by EPA Method 8151A - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062401 - 8151 Prep**

<b>Matrix Spike Dup (9062401-MSD1)</b>	<b>Source: T900573-01</b>			<b>Prepared: 06/24/09</b>		<b>Analyzed: 07/06/09</b>				
2,4,5-T	54.1	5.00	ug/kg	100	ND	54.1	20-150	3.13	30	
2,4,5-TP (Silvex)	57.5	5.00	"	100	ND	57.5	20-150	0.987	30	
2,4-D	58.7	5.00	"	100	ND	58.7	20-150	0.187	30	
<i>Surrogate: 2,4-DCAA</i>	96.8		"	200		48.4	35-150			

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062408 - EPA 5035 GCMS**

**Blank (9062408-BLK1)**

Prepared & Analyzed: 06/24/09

Benzene	ND	5.0	ug/kg							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Tert-amyl methyl ether	ND	20	"							
Tert-butyl alcohol	ND	50	"							
Di-isopropyl ether	ND	20	"							
Ethyl tert-butyl ether	ND	20	"							
Methyl tert-butyl ether	ND	20	"							
Ethanol	ND	500	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	35.8		"	40.0		89.4	75.1-121			
<i>Surrogate: Dibromofluoromethane</i>	39.8		"	40.0		99.6	90-135			
<i>Surrogate: Toluene-d8</i>	39.4		"	40.0		98.5	85-115			

**LCS (9062408-BS1)**

Prepared: 06/24/09 Analyzed: 06/26/09

Benzene	97.1	5.0	ug/kg	100		97.1	75-125			
Toluene	100	5.0	"	100		100	75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	44.1		"	40.0		110	75.1-121			
<i>Surrogate: Dibromofluoromethane</i>	43.8		"	40.0		110	90-135			
<i>Surrogate: Toluene-d8</i>	41.9		"	40.0		105	85-115			

**LCS Dup (9062408-BSD1)**

Prepared: 06/24/09 Analyzed: 06/26/09

Benzene	105	5.0	ug/kg	100		105	75-125	7.48	20	
Toluene	104	5.0	"	100		104	75-125	4.20	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	42.2		"	40.0		106	75.1-121			
<i>Surrogate: Dibromofluoromethane</i>	41.8		"	40.0		105	90-135			
<i>Surrogate: Toluene-d8</i>	43.3		"	40.0		108	85-115			

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 Project Manager: Anthony Wightman

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**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062402 - EPA 3550 ECD/GCMS**

**Blank (9062402-BLK1)**

Prepared: 06/24/09 Analyzed: 06/30/09

Carbazole	ND	300	ug/kg							
Aniline	ND	300	"							
Phenol	ND	1000	"							
2-Chlorophenol	ND	1000	"							
1,4-Dichlorobenzene	ND	300	"							
N-Nitrosodi-n-propylamine	ND	300	"							
1,2,4-Trichlorobenzene	ND	300	"							
4-Chloro-3-methylphenol	ND	1000	"							
1-Methylnaphthalene	ND	300	"							
2-Methylnaphthalene	ND	300	"							
Acenaphthene	ND	300	"							
4-Nitrophenol	ND	1000	"							
2,4-Dinitrotoluene	ND	300	"							
Pentachlorophenol	ND	1000	"							
Pyrene	ND	300	"							
Acenaphthylene	ND	300	"							
Anthracene	ND	300	"							
Benzo (a) anthracene	ND	300	"							
Benzo (b) fluoranthene	ND	300	"							
Benzo (k) fluoranthene	ND	300	"							
Benzo (g,h,i) perylene	ND	1000	"							
Benzo (a) pyrene	ND	300	"							
Benzyl alcohol	ND	300	"							
Bis(2-chloroethoxy)methane	ND	300	"							
Bis(2-chloroethyl)ether	ND	300	"							
Bis(2-chloroisopropyl)ether	ND	300	"							
Bis(2-ethylhexyl)phthalate	ND	300	"							
4-Bromophenyl phenyl ether	ND	300	"							
Butyl benzyl phthalate	ND	300	"							
4-Chloroaniline	ND	300	"							
2-Chloronaphthalene	ND	300	"							
4-Chlorophenyl phenyl ether	ND	300	"							
Chrysene	ND	300	"							
Dibenz (a,h) anthracene	ND	300	"							
Dibenzofuran	ND	300	"							
Di-n-butyl phthalate	ND	300	"							

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062402 - EPA 3550 ECD/GCMS**

**Blank (9062402-BLK1)**

Prepared: 06/24/09 Analyzed: 06/30/09

1,2-Dichlorobenzene	ND	300	ug/kg							
1,3-Dichlorobenzene	ND	300	"							
2,4-Dichlorophenol	ND	1000	"							
Diethyl phthalate	ND	300	"							
2,4-Dimethylphenol	ND	1000	"							
Dimethyl phthalate	ND	300	"							
4,6-Dinitro-2-methylphenol	ND	1000	"							
2,4-Dinitrophenol	ND	1000	"							
2,6-Dinitrotoluene	ND	1000	"							
Di-n-octyl phthalate	ND	300	"							
Fluoranthene	ND	300	"							
Fluorene	ND	300	"							
Hexachlorobenzene	ND	1500	"							
Hexachlorobutadiene	ND	300	"							
Hexachlorocyclopentadiene	ND	1000	"							
Hexachloroethane	ND	300	"							
Indeno (1,2,3-cd) pyrene	ND	300	"							
Isophorone	ND	300	"							
2-Methylphenol	ND	1000	"							
4-Methylphenol	ND	1000	"							
Naphthalene	ND	300	"							
2-Nitroaniline	ND	300	"							
3-Nitroaniline	ND	300	"							
4-Nitroaniline	ND	300	"							
Nitrobenzene	ND	1000	"							
2-Nitrophenol	ND	1000	"							
N-Nitrosodimethylamine	ND	300	"							
N-Nitrosodiphenylamine	ND	300	"							
2,3,5,6-Tetrachlorophenol	ND	300	"							
2,3,4,6-Tetrachlorophenol	ND	300	"							
Phenanthrene	ND	300	"							
2,4,5-Trichlorophenol	ND	1000	"							
2,4,6-Trichlorophenol	ND	1000	"							
Surrogate: 2-Fluorophenol	704		"	1670		42.2	14.3-83.1			
Surrogate: Phenol-d6	907		"	1670		54.4	12-95.6			

SunStar Laboratories, Inc.

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062402 - EPA 3550 ECD/GCMS**

**Blank (9062402-BLK1)**

Prepared: 06/24/09 Analyzed: 06/30/09

Surrogate: Nitrobenzene-d5	1180		ug/kg	1670		70.8	21.3-119			
Surrogate: 2-Fluorobiphenyl	1420		"	1670		85.2	32.4-102			
Surrogate: 2,4,6-Tribromophenol	1260		"	1670		75.7	18.1-101			
Surrogate: Terphenyl-d14	1460		"	1670		87.7	29.1-130			

**LCS (9062402-BS1)**

Prepared: 06/24/09 Analyzed: 06/30/09

Phenol	1420	1000	ug/kg	1670		84.9	25.9-102			
2-Chlorophenol	1300	1000	"	1670		77.9	37.1-110			
1,4-Dichlorobenzene	1250	300	"	1670		75.0	36-97			
N-Nitrosodi-n-propylamine	1430	300	"	1670		85.8	30.8-81.8			QM-Hi
1,2,4-Trichlorobenzene	1310	300	"	1670		78.7	39-98			
4-Chloro-3-methylphenol	1450	1000	"	1670		86.9	33.1-109			
Acenaphthene	1390	300	"	1670		83.3	38.9-79.4			QM-Hi
4-Nitrophenol	1310	1000	"	1670		78.8	14-103			
2,4-Dinitrotoluene	1120	300	"	1670		67.2	24-96			
Pentachlorophenol	1390	1000	"	1670		83.4	8.05-120			
Pyrene	1640	300	"	1670		98.5	25-85.2			QM-Hi
Surrogate: 2-Fluorophenol	1010		"	1670		60.5	14.3-83.1			
Surrogate: Phenol-d6	1250		"	1670		74.8	12-95.6			
Surrogate: Nitrobenzene-d5	1310		"	1670		78.6	21.3-119			
Surrogate: 2-Fluorobiphenyl	1410		"	1670		84.6	32.4-102			
Surrogate: 2,4,6-Tribromophenol	1340		"	1670		80.7	18.1-101			
Surrogate: Terphenyl-d14	1470		"	1670		88.1	29.1-130			

**Matrix Spike (9062402-MS1)**

Source: T900573-02

Prepared: 06/24/09 Analyzed: 06/30/09

Phenol	1150	1000	ug/kg	1670	ND	68.8	24.4-110			
2-Chlorophenol	1140	1000	"	1670	ND	68.5	34.7-112			
1,4-Dichlorobenzene	1070	300	"	1670	ND	63.9	36-97			
N-Nitrosodi-n-propylamine	1220	300	"	1670	ND	73.3	34.9-71.8			QM-Hi
1,2,4-Trichlorobenzene	1300	300	"	1670	ND	78.0	30.5-84			
4-Chloro-3-methylphenol	1420	1000	"	1670	ND	85.1	25.1-111			
Acenaphthene	1330	300	"	1670	ND	79.8	33.8-76.1			QM-Hi
4-Nitrophenol	1140	1000	"	1670	ND	68.3	9.07-113			
2,4-Dinitrotoluene	974	300	"	1670	ND	58.5	11.2-71.8			
Pentachlorophenol	1260	1000	"	1670	ND	75.8	9-103			
Pyrene	1540	300	"	1670	ND	92.6	24.5-100			

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:44

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062402 - EPA 3550 ECD/GCMS**

**Matrix Spike (9062402-MS1)**

Source: T900573-02

Prepared: 06/24/09 Analyzed: 06/30/09

Surrogate: 2-Fluorophenol	900		ug/kg	1670		54.0	14.3-83.1			
Surrogate: Phenol-d6	1130		"	1670		68.0	12-95.6			
Surrogate: Nitrobenzene-d5	1420		"	1670		85.4	21.3-119			
Surrogate: 2-Fluorobiphenyl	1500		"	1670		89.7	32.4-102			
Surrogate: 2,4,6-Tribromophenol	1450		"	1670		86.8	18.1-101			
Surrogate: Terphenyl-dl4	1510		"	1670		90.7	29.1-130			

**Matrix Spike Dup (9062402-MSD1)**

Source: T900573-02

Prepared: 06/24/09 Analyzed: 06/30/09

Phenol	1040	1000	ug/kg	1670	ND	62.7	24.4-110	9.28	42	
2-Chlorophenol	907	1000	"	1670	ND	54.4	34.7-112	22.9	40	
1,4-Dichlorobenzene	1070	300	"	1670	ND	64.4	36-97	0.748	28	
N-Nitrosodi-n-propylamine	1150	300	"	1670	ND	69.0	34.9-71.8	5.96	38	
1,2,4-Trichlorobenzene	1290	300	"	1670	ND	77.5	30.5-84	0.618	28	
4-Chloro-3-methylphenol	1340	1000	"	1670	ND	80.6	25.1-111	5.41	42	
Acenaphthene	1270	300	"	1670	ND	76.0	33.8-76.1	4.83	31	
4-Nitrophenol	1100	1000	"	1670	ND	66.2	9.07-113	3.03	50	
2,4-Dinitrotoluene	1040	300	"	1670	ND	62.6	11.2-71.8	6.81	38	
Pentachlorophenol	1180	1000	"	1670	ND	70.9	9-103	6.65	50	
Pyrene	1510	300	"	1670	ND	90.7	24.5-100	2.03	31	
Surrogate: 2-Fluorophenol	825		"	1670		49.5	14.3-83.1			
Surrogate: Phenol-d6	892		"	1670		53.5	12-95.6			
Surrogate: Nitrobenzene-d5	1390		"	1670		83.4	21.3-119			
Surrogate: 2-Fluorobiphenyl	1480		"	1670		88.9	32.4-102			
Surrogate: 2,4,6-Tribromophenol	1350		"	1670		81.2	18.1-101			
Surrogate: Terphenyl-dl4	1560		"	1670		93.6	29.1-130			

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Irvine CA, 92606

Project: Rice  
Project Number: 60097032  
Project Manager: Anthony Wightman

**Reported:**  
07/06/09 16:44

### Notes and Definitions

- S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- S-03 The surrogate recovery was below acceptance criteria in the sample because of a possible matrix effect. The surrogate recovery was within acceptance criteria in the method blank and LCS.
- QM-Hi Spike recovery was high for specified analyte. Data was accepted because samples associated with batch were non detect for analyte in question.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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John Shepler, Laboratory Director

SunStar Laboratories, Inc.  
 3002 Dow Ave, Suite 212  
 Tustin, CA 92780  
 714-505-4010

### Chain of Custody Record

Client: TERRAcom Date: 06/23/09 Page: 1 Of 1  
 Address: 16662 MILLIKAN AVE, IRVINE 92606  
 Phone: 949-660-9718 Fax: 949-660-9732  
 Project Manager: ANTHONY WIGHTMAN  
TAWIGHTMAN@TERRAcom  
 Project Name: RICE Client Project #: 60097032  
 Collector: TAM/JP/MAR Batch #: 7900873  
 COC 81767

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	8015M (TRH-CC)	8151 (CHLORINATED HYDROCARBONS)	Total # of containers	Chain of Custody seals Y/N/NA	Seals intact? Y/N/NA	Received good condition/cold	Notes
B-20 @ 5'	06/22/09	1705	SOIL	SARVAIS	X		X						X	X	01				
B-20 @ 10'		1605			X		X						X	X	02				
B-18 @ 5'	06/23/09	0845			X		X						X	X	03				
B-18 @ 10'		0900			X		X						X	X	04				
B-15 @ 5'		1115			X								X	X	05				
B-15 @ 7.5'		1107			X								X	X	06				
B-21 @ 5'		1050			X		X						X	X	07				
B-21 @ 10'		1040			X		X						X	X	08				
TAM																			
Relinquished by: (signature)					Date / Time					Received by: (signature)					Date / Time				
T.A. V					06/23/09 1230					[Signature]					6/23/09 1240				
Relinquished by: (signature)					Date / Time					Received by: (signature)					Date / Time				
[Signature]										[Signature]									
Relinquished by: (signature)					Date / Time					Received by: (signature)					Date / Time				
[Signature]										[Signature]									
Sample disposal instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____																			
Turn around time: <u>STANDARD</u>																			



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01 July 2009

Anthony Wightman  
Terracon - Irvine  
16662 Millikan Avenue  
Irvine, CA 92606  
RE: Rice

Enclosed are the results of analyses for samples received by the laboratory on 06/24/09 11:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "John J. Shepler".

John Shepler  
Laboratory Director



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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

**Reported:**  
 07/01/09 15:35

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-17 @5'	T900580-01	Soil	06/23/09 15:45	06/24/09 11:45
B-17 @10'	T900580-02	Soil	06/23/09 15:55	06/24/09 11:45
B-12 @5'	T900580-03	Soil	06/23/09 13:35	06/24/09 11:45
B-07 @5'	T900580-04	Soil	06/24/09 07:10	06/24/09 11:45
B-07 @10'	T900580-05	Soil	06/24/09 07:20	06/24/09 11:45
B-07 @P	T900580-06	Soil	06/24/09 08:20	06/24/09 11:45
B-04 @5'	T900580-07	Soil	06/24/09 08:50	06/24/09 11:45
B-04 @15'	T900580-08	Soil	06/24/09 09:00	06/24/09 11:45
B-03 @5'	T900580-09	Soil	06/24/09 09:40	06/24/09 11:45
B-03 @15'	T900580-10	Soil	06/24/09 09:45	06/24/09 11:45
B-02 @5'	T900580-11	Soil	06/24/09 10:10	06/24/09 11:45
B-02 @15'	T900580-12	Soil	06/24/09 10:20	06/24/09 11:45
B-01 @2'	T900580-13	Soil	06/24/09 11:00	06/24/09 11:45
B-01 @15'	T900580-14	Soil	06/24/09 11:15	06/24/09 11:45

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/01/09 15:35
----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-17 @5'**  
**T900580-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062504	06/25/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		86.9 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	9062502	06/25/09	06/26/09	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
<b>Arsenic</b>	<b>28</b>	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>1000</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>15</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>4.9</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>12</b>	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>6.4</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>77</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>20</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	9062503	06/25/09	06/26/09	EPA 7471A Soil	
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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-17 @5'**  
**T900580-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-17 @5'**  
**T900580-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

cis-1,3-Dichloropropene	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.8 %		75.1-121	"	"	"	"	
Surrogate: Dibromofluoromethane		241 %		90-135	"	"	"	"	S-GC
Surrogate: Toluene-d8		106 %		85-115	"	"	"	"	

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/01/09 15:35
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**B-17 @10'**  
**T900580-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062504	06/25/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>110 %</i>	<i>65-135</i>						

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	9062502	06/25/09	06/26/09	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
<b>Arsenic</b>	<b>18</b>	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>230</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>16</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>5.9</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>11</b>	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>8.3</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>75</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>21</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	9062503	06/25/09	06/26/09	EPA 7471A Soil	
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**B-17 @10'**  
**T900580-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-17 @10'**  
**T900580-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

cis-1,3-Dichloropropene	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.5 %		75.1-121	"	"	"	"	
Surrogate: Dibromofluoromethane		117 %		90-135	"	"	"	"	
Surrogate: Toluene-d8		94.4 %		85-115	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-12 @5'**  
**T900580-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062504	06/25/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		105 %	65-135		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062505	06/25/09	07/01/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro- <i>meta</i> -xylene		57.2 %	35-140		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	

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 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-12 @5'**  
**T900580-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	

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**B-12 @5'**  
**T900580-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Trichlorofluoromethane	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.0 %		75.1-121	"	"	"	"	
Surrogate: Dibromofluoromethane		101 %		90-135	"	"	"	"	
Surrogate: Toluene-d8		89.4 %		85-115	"	"	"	"	

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**B-07 @5'**  
**T900580-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062504	06/25/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		104 %	65-135		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062505	06/25/09	07/01/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		62.0 %	35-140		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-07 @5'**  
**T900580-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/01/09 15:35
----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-07 @5'**  
**T900580-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Trichlorofluoromethane	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		80.1 %		75.1-121	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		110 %		90-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		94.0 %		85-115	"	"	"	"	

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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-07 @10'**  
**T900580-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062504	06/25/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		103 %	65-135		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062505	06/25/09	07/01/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro- <i>meta</i> -xylene		64.3 %	35-140		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-07 @10'**  
**T900580-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	

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**B-07 @10'**  
**T900580-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Trichlorofluoromethane	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		79.6 %		75.1-121	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		121 %		90-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92.0 %		85-115	"	"	"	"	

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**B-07 @P**  
**T900580-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062504	06/25/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>31</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		97.5 %	65-135		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062505	06/25/09	07/01/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		57.0 %	35-140		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine  
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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-07 @P**  
**T900580-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	

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----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-07 @P**  
**T900580-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Trichlorofluoromethane	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		73.9 %		75.1-121	"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>		128 %		90-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		85.9 %		85-115	"	"	"	"	

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----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-04 @5'**  
**T900580-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062504	06/25/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p-Terphenyl</i>		105 %	65-135		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062505	06/25/09	07/01/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: <i>Tetrachloro-meta-xylene</i>		56.3 %	35-140		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	

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John Shepler, Laboratory Director



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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-04 @5'**  
**T900580-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/01/09 15:35
----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-04 @5'**  
**T900580-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Trichlorofluoromethane	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.1 %		75.1-121	"	"	"	"	
Surrogate: Dibromofluoromethane		110 %		90-135	"	"	"	"	
Surrogate: Toluene-d8		92.4 %		85-115	"	"	"	"	

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----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-04 @15'**  
**T900580-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062504	06/25/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p-Terphenyl</i>		105 %	65-135		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062505	06/25/09	07/01/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: <i>Tetrachloro-meta-xylene</i>		40.9 %	35-140		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-04 @15'**  
**T900580-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

**Reported:**  
 07/01/09 15:35

**B-04 @15'**  
**T900580-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Trichlorofluoromethane	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		80.3 %		75.1-121	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		112 %		90-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		89.6 %		85-115	"	"	"	"	

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/01/09 15:35
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**B-03 @5'**  
**T900580-09 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062504	06/25/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p-Terphenyl</i>		104 %	65-135		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062505	06/25/09	07/01/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: <i>Tetrachloro-meta-xylene</i>		53.3 %	35-140		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	

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 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-03 @5'**  
**T900580-09 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-03 @5'**  
**T900580-09 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Trichlorofluoromethane	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.8 %		75.1-121	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		110 %		90-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92.3 %		85-115	"	"	"	"	

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John Shepler, Laboratory Director



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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/01/09 15:35
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**B-03 @15'**  
**T900580-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062504	06/25/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		107 %		65-135	"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062505	06/25/09	07/01/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		54.3 %		35-140	"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-03 @15'**  
**T900580-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	

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----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-03 @15'**  
**T900580-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Trichlorofluoromethane	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.9 %		75.1-121	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		118 %		90-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		93.7 %		85-115	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-02 @5'**  
**T900580-11 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062504	06/25/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		84.7 %	65-135		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062505	06/25/09	07/01/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		66.2 %	35-140		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	

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**B-02 @5'**  
**T900580-11 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	

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**B-02 @5'**  
**T900580-11 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Trichlorofluoromethane	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		77.0 %		75.1-121	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		110 %		90-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		85.6 %		85-115	"	"	"	"	

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 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-02 @15'**  
**T900580-12 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062504	06/25/09	06/25/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		106 %	65-135		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062505	06/25/09	07/01/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro- <i>meta</i> -xylene		41.1 %	35-140		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	

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 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-02 @15'**  
**T900580-12 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/01/09 15:35
----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-02 @15'**  
**T900580-12 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Trichlorofluoromethane	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		74.9 %		75.1-121	"	"	"	"	S-GC
Surrogate: Dibromofluoromethane		110 %		90-135	"	"	"	"	
Surrogate: Toluene-d8		88.6 %		85-115	"	"	"	"	

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Terracon - Irvine  
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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-01 @2'**  
**T900580-13 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062505	06/25/09	07/01/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		55.5 %	35-140	"	"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-01 @2'**  
**T900580-13 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Dichlorodifluoromethane	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-01 @2'**  
**T900580-13 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.8 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		124 %	90-135		"	"	"	"	
Surrogate: Toluene-d8		95.1 %	85-115		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	9062501	06/25/09	06/30/09	EPA 8270C	
Aniline	ND	300	"	"	"	"	"	"	
Phenol	ND	1000	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-01 @2'**  
**T900580-13 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzyl alcohol	ND	300	ug/kg	1	9062501	06/25/09	06/30/09	EPA 8270C	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-01 @2'**  
**T900580-13 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-Methylphenol	ND	1000	ug/kg	1	9062501	06/25/09	06/30/09	EPA 8270C	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		54.2 %	14.3-83.1		"	"	"	"	
Surrogate: Phenol-d6		64.0 %	12-95.6		"	"	"	"	
Surrogate: Nitrobenzene-d5		81.1 %	21.3-119		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		84.2 %	32.4-102		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		81.2 %	18.1-101		"	"	"	"	
Surrogate: Terphenyl-d14		90.6 %	29.1-130		"	"	"	"	

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----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-01 @15'**  
**T900580-14 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062505	06/25/09	07/01/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		46.8 %	35-140		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-01 @15'**  
**T900580-14 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Dichlorodifluoromethane	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**B-01 @15'**  
**T900580-14 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	5.0	ug/kg	1	9062506	06/25/09	06/26/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		64.4 %	75.1-121		"	"	"	"	S-GC
Surrogate: Dibromofluoromethane		105 %	90-135		"	"	"	"	
Surrogate: Toluene-d8		83.9 %	85-115		"	"	"	"	S-GC

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	9062501	06/25/09	06/30/09	EPA 8270C	
Aniline	ND	300	"	"	"	"	"	"	
Phenol	ND	1000	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

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**B-01 @15'**  
**T900580-14 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzyl alcohol	ND	300	ug/kg	1	9062501	06/25/09	06/30/09	EPA 8270C	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	

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 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
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**B-01 @15'**  
**T900580-14 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-Methylphenol	ND	1000	ug/kg	1	9062501	06/25/09	06/30/09	EPA 8270C	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		54.3 %	14.3-83.1		"	"	"	"	
Surrogate: Phenol-d6		59.2 %	12-95.6		"	"	"	"	
Surrogate: Nitrobenzene-d5		69.5 %	21.3-119		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		71.9 %	32.4-102		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		68.4 %	18.1-101		"	"	"	"	
Surrogate: Terphenyl-d14		75.3 %	29.1-130		"	"	"	"	

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 Project Number: 60097032  
 Project Manager: Anthony Wightman

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**Extractable Petroleum Hydrocarbons by 8015C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062504 - EPA 3550B GC**

**Blank (9062504-BLK1)**

Prepared & Analyzed: 06/25/09

C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	83.5		"	100		83.5	65-135			

**LCS (9062504-BS1)**

Prepared & Analyzed: 06/25/09

C13-C28 (DRO)	490	10	mg/kg	500	ND	98.2	75-125			
Surrogate: p-Terphenyl	105		"	100		105	65-135			

**Matrix Spike (9062504-MS1)**

Source: T900580-05

Prepared & Analyzed: 06/25/09

C13-C28 (DRO)	520	10	mg/kg	500	ND	104	75-125			
Surrogate: p-Terphenyl	106		"	100		106	65-135			

**Matrix Spike Dup (9062504-MSD1)**

Source: T900580-05

Prepared & Analyzed: 06/25/09

C13-C28 (DRO)	440	10	mg/kg	500	ND	87.9	75-125	16.8	20	
Surrogate: p-Terphenyl	84.4		"	100		84.4	65-135			

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 Project Number: 60097032  
 Project Manager: Anthony Wightman

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**Metals by EPA 6010B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062502 - EPA 3051**

**Blank (9062502-BLK1)**

Prepared: 06/25/09 Analyzed: 06/26/09

Antimony	ND	3.0	mg/kg							
Silver	ND	2.0	"							
Arsenic	ND	5.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	3.0	"							
Molybdenum	ND	1.0	"							
Nickel	ND	2.0	"							
Selenium	ND	5.0	"							
Thallium	ND	2.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	1.0	"							

**LCS (9062502-BS1)**

Prepared: 06/25/09 Analyzed: 06/26/09

Arsenic	99.7	5.0	mg/kg	100		99.7	75-125			
Barium	99.2	1.0	"	100		99.2	75-125			
Cadmium	96.6	2.0	"	100		96.6	75-125			
Chromium	98.7	2.0	"	100		98.7	75-125			
Lead	97.7	3.0	"	100		97.7	75-125			

**Matrix Spike (9062502-MS1)**

Source: T900580-01

Prepared: 06/25/09 Analyzed: 06/26/09

Arsenic	123	5.0	mg/kg	100	27.8	94.7	75-125			
Barium	1010	1.0	"	100	1000	9.70	75-125			QM-07
Cadmium	93.1	2.0	"	100	0.463	92.7	75-125			
Chromium	108	2.0	"	100	14.9	93.4	75-125			
Lead	94.4	3.0	"	100	2.83	91.6	75-125			

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 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**Metals by EPA 6010B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062502 - EPA 3051**

Matrix Spike Dup (9062502-MSD1)	Source: T900580-01			Prepared: 06/25/09	Analyzed: 06/26/09					
Arsenic	125	5.0	mg/kg	100	27.8	97.6	75-125	2.34	20	
Barium	865	1.0	"	100	1000	NR	75-125	15.4	20	QM-07
Cadmium	95.2	2.0	"	100	0.463	94.8	75-125	2.22	20	
Chromium	112	2.0	"	100	14.9	97.4	75-125	3.63	20	
Lead	97.9	3.0	"	100	2.83	95.0	75-125	3.60	20	

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 Project Manager: Anthony Wightman

**Reported:**  
 07/01/09 15:35

**Cold Vapor Extraction EPA 7470/7471 - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062503 - EPA 7471A Soil**

**Blank (9062503-BLK1)**

Prepared: 06/25/09 Analyzed: 06/26/09

Mercury ND 0.10 mg/kg

**LCS (9062503-BS1)**

Prepared: 06/25/09 Analyzed: 06/26/09

Mercury 0.377 0.10 mg/kg 0.417 90.4 80-120

**Matrix Spike (9062503-MS1)**

Source: T900580-01

Prepared: 06/25/09 Analyzed: 06/26/09

Mercury 0.373 0.10 mg/kg 0.417 ND 89.5 75-125

**Matrix Spike Dup (9062503-MSD1)**

Source: T900580-01

Prepared: 06/25/09 Analyzed: 06/26/09

Mercury 0.375 0.10 mg/kg 0.417 ND 90.1 75-125 0.674 20

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 Project Manager: Anthony Wightman

**Reported:**  
 07/01/09 15:35

**Polychlorinated Biphenyls by EPA Method 8082 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062505 - EPA 3550 ECD/GCMS**

**Blank (9062505-BLK1)**

Prepared: 06/25/09 Analyzed: 07/01/09

PCB-1016	ND	10	ug/kg							
PCB-1221	ND	10	"							
PCB-1232	ND	10	"							
PCB-1242	ND	10	"							
PCB-1248	ND	10	"							
PCB-1254	ND	10	"							
PCB-1260	ND	10	"							

Surrogate: Tetrachloro-meta-xylene

6.59 " 10.0 65.9 35-140

**LCS (9062505-BS1)**

Prepared: 06/25/09 Analyzed: 07/01/09

PCB-1016	74.2	10	ug/kg	100		74.2	40-130			
PCB-1260	65.7	10	"	100		65.7	40-130			

Surrogate: Tetrachloro-meta-xylene

6.24 " 10.0 62.4 35-140

**Matrix Spike (9062505-MS1)**

Source: T900580-05

Prepared: 06/25/09 Analyzed: 07/01/09

PCB-1016	86.0	10	ug/kg	100	ND	86.0	40-130			
PCB-1260	80.3	10	"	100	ND	80.3	40-130			

Surrogate: Tetrachloro-meta-xylene

5.07 " 10.0 50.7 35-140

**Matrix Spike Dup (9062505-MSD1)**

Source: T900580-05

Prepared: 06/25/09 Analyzed: 07/01/09

PCB-1016	84.4	10	ug/kg	100	ND	84.4	40-130	1.78	30	
PCB-1260	96.5	10	"	100	ND	96.5	40-130	18.4	30	

Surrogate: Tetrachloro-meta-xylene

5.94 " 10.0 59.4 35-140

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 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062506 - EPA 5035 GCMS**

**Blank (9062506-BLK1)**

Prepared: 06/25/09 Analyzed: 06/26/09

Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	"
Bromodichloromethane	ND	5.0	"
Bromoform	ND	5.0	"
Bromomethane	ND	5.0	"
n-Butylbenzene	ND	5.0	"
sec-Butylbenzene	ND	5.0	"
tert-Butylbenzene	ND	5.0	"
Carbon tetrachloride	ND	5.0	"
Chlorobenzene	ND	5.0	"
Chloroethane	ND	5.0	"
Chloroform	ND	5.0	"
Chloromethane	ND	5.0	"
2-Chlorotoluene	ND	5.0	"
4-Chlorotoluene	ND	5.0	"
Dibromochloromethane	ND	5.0	"
1,2-Dibromo-3-chloropropane	ND	5.0	"
1,2-Dibromoethane (EDB)	ND	5.0	"
Dibromomethane	ND	5.0	"
1,2-Dichlorobenzene	ND	5.0	"
1,3-Dichlorobenzene	ND	5.0	"
1,4-Dichlorobenzene	ND	5.0	"
Dichlorodifluoromethane	ND	5.0	"
1,1-Dichloroethane	ND	5.0	"
1,2-Dichloroethane	ND	5.0	"
1,1-Dichloroethene	ND	5.0	"
cis-1,2-Dichloroethene	ND	5.0	"
trans-1,2-Dichloroethene	ND	5.0	"
1,2-Dichloropropane	ND	5.0	"
1,3-Dichloropropane	ND	5.0	"
2,2-Dichloropropane	ND	5.0	"
1,1-Dichloropropene	ND	5.0	"
cis-1,3-Dichloropropene	ND	5.0	"
trans-1,3-Dichloropropene	ND	5.0	"
Hexachlorobutadiene	ND	5.0	"
Isopropylbenzene	ND	5.0	"

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John Shepler, Laboratory Director



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062506 - EPA 5035 GCMS**

**Blank (9062506-BLK1)**

Prepared: 06/25/09 Analyzed: 06/26/09

p-Isopropyltoluene	ND	5.0	ug/kg							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Surrogate: 4-Bromofluorobenzene	38.0		"	40.0		94.9	75.1-121			
Surrogate: Dibromofluoromethane	43.8		"	40.0		109	90-135			
Surrogate: Toluene-d8	41.4		"	40.0		104	85-115			

**LCS (9062506-BS1)**

Prepared: 06/25/09 Analyzed: 06/26/09

Chlorobenzene	102	5.0	ug/kg	100		102	75-125			
1,1-Dichloroethene	109	5.0	"	100		109	75-125			
Trichloroethene	89.6	5.0	"	100		89.6	75-125			
Benzene	107	5.0	"	100		107	75-125			
Toluene	103	5.0	"	100		103	75-125			
Surrogate: 4-Bromofluorobenzene	40.0		"	40.0		100	75.1-121			
Surrogate: Dibromofluoromethane	41.1		"	40.0		103	90-135			
Surrogate: Toluene-d8	42.6		"	40.0		106	85-115			

SunStar Laboratories, Inc.

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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062506 - EPA 5035 GCMS**

**LCS Dup (9062506-BSD1)**

Prepared: 06/25/09 Analyzed: 06/26/09

Chlorobenzene	105	5.0	ug/kg	100	105	75-125	2.42	20		
1,1-Dichloroethene	122	5.0	"	100	122	75-125	10.8	20		
Trichloroethene	90.4	5.0	"	100	90.4	75-125	0.889	20		
Benzene	108	5.0	"	100	108	75-125	1.11	20		
Toluene	103	5.0	"	100	103	75-125	0.0969	20		
Surrogate: 4-Bromofluorobenzene	45.1		"	40.0	113	75.1-121				
Surrogate: Dibromofluoromethane	42.4		"	40.0	106	90-135				
Surrogate: Toluene-d8	42.8		"	40.0	107	85-115				

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062501 - EPA 3550 ECD/GCMS**

**Blank (9062501-BLK1)**

Prepared: 06/25/09 Analyzed: 06/29/09

Carbazole	ND	300	ug/kg							
Aniline	ND	300	"							
Phenol	ND	1000	"							
2-Chlorophenol	ND	1000	"							
1,4-Dichlorobenzene	ND	300	"							
N-Nitrosodi-n-propylamine	ND	300	"							
1,2,4-Trichlorobenzene	ND	300	"							
4-Chloro-3-methylphenol	ND	1000	"							
1-Methylnaphthalene	ND	300	"							
2-Methylnaphthalene	ND	300	"							
Acenaphthene	ND	300	"							
4-Nitrophenol	ND	1000	"							
2,4-Dinitrotoluene	ND	300	"							
Pentachlorophenol	ND	1000	"							
Pyrene	ND	300	"							
Acenaphthylene	ND	300	"							
Anthracene	ND	300	"							
Benzo (a) anthracene	ND	300	"							
Benzo (b) fluoranthene	ND	300	"							
Benzo (k) fluoranthene	ND	300	"							
Benzo (g,h,i) perylene	ND	1000	"							
Benzo (a) pyrene	ND	300	"							
Benzyl alcohol	ND	300	"							
Bis(2-chloroethoxy)methane	ND	300	"							
Bis(2-chloroethyl)ether	ND	300	"							
Bis(2-chloroisopropyl)ether	ND	300	"							
Bis(2-ethylhexyl)phthalate	ND	300	"							
4-Bromophenyl phenyl ether	ND	300	"							
Butyl benzyl phthalate	ND	300	"							
4-Chloroaniline	ND	300	"							
2-Chloronaphthalene	ND	300	"							
4-Chlorophenyl phenyl ether	ND	300	"							
Chrysene	ND	300	"							
Dibenz (a,h) anthracene	ND	300	"							
Dibenzofuran	ND	300	"							
Di-n-butyl phthalate	ND	300	"							

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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062501 - EPA 3550 ECD/GCMS**

**Blank (9062501-BLK1)**

Prepared: 06/25/09 Analyzed: 06/29/09

1,2-Dichlorobenzene	ND	300	ug/kg							
1,3-Dichlorobenzene	ND	300	"							
2,4-Dichlorophenol	ND	1000	"							
Diethyl phthalate	ND	300	"							
2,4-Dimethylphenol	ND	1000	"							
Dimethyl phthalate	ND	300	"							
4,6-Dinitro-2-methylphenol	ND	1000	"							
2,4-Dinitrophenol	ND	1000	"							
2,6-Dinitrotoluene	ND	1000	"							
Di-n-octyl phthalate	ND	300	"							
Fluoranthene	ND	300	"							
Fluorene	ND	300	"							
Hexachlorobenzene	ND	1500	"							
Hexachlorobutadiene	ND	300	"							
Hexachlorocyclopentadiene	ND	1000	"							
Hexachloroethane	ND	300	"							
Indeno (1,2,3-cd) pyrene	ND	300	"							
Isophorone	ND	300	"							
2-Methylphenol	ND	1000	"							
4-Methylphenol	ND	1000	"							
Naphthalene	ND	300	"							
2-Nitroaniline	ND	300	"							
3-Nitroaniline	ND	300	"							
4-Nitroaniline	ND	300	"							
Nitrobenzene	ND	1000	"							
2-Nitrophenol	ND	1000	"							
N-Nitrosodimethylamine	ND	300	"							
N-Nitrosodiphenylamine	ND	300	"							
2,3,5,6-Tetrachlorophenol	ND	300	"							
2,3,4,6-Tetrachlorophenol	ND	300	"							
Phenanthrene	ND	300	"							
2,4,5-Trichlorophenol	ND	1000	"							
2,4,6-Trichlorophenol	ND	1000	"							
Surrogate: 2-Fluorophenol	704		"	1670		42.2	14.3-83.1			
Surrogate: Phenol-d6	785		"	1670		47.1	12-95.6			

SunStar Laboratories, Inc.

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 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062501 - EPA 3550 ECD/GCMS**

**Blank (9062501-BLK1)**

Prepared: 06/25/09 Analyzed: 06/29/09

Surrogate: Nitrobenzene-d5	708		ug/kg	1670		42.5	21.3-119			
Surrogate: 2-Fluorobiphenyl	781		"	1670		46.9	32.4-102			
Surrogate: 2,4,6-Tribromophenol	1130		"	1670		67.8	18.1-101			
Surrogate: Terphenyl-d14	718		"	1670		43.1	29.1-130			

**LCS (9062501-BS1)**

Prepared: 06/25/09 Analyzed: 06/30/09

Phenol	948	1000	ug/kg	1670		56.9	25.9-102			
2-Chlorophenol	971	1000	"	1670		58.3	37.1-110			
1,4-Dichlorobenzene	909	300	"	1670		54.5	36-97			
N-Nitrosodi-n-propylamine	1080	300	"	1670		64.8	30.8-81.8			
1,2,4-Trichlorobenzene	1140	300	"	1670		68.4	39-98			
4-Chloro-3-methylphenol	1280	1000	"	1670		76.8	33.1-109			
Acenaphthene	1240	300	"	1670		74.2	38.9-79.4			
4-Nitrophenol	1370	1000	"	1670		82.4	14-103			
2,4-Dinitrotoluene	1310	300	"	1670		78.8	24-96			
Pentachlorophenol	1360	1000	"	1670		81.8	8.05-120			
Pyrene	1350	300	"	1670		80.8	25-85.2			
Surrogate: 2-Fluorophenol	790		"	1670		47.4	14.3-83.1			
Surrogate: Phenol-d6	891		"	1670		53.4	12-95.6			
Surrogate: Nitrobenzene-d5	814		"	1670		48.8	21.3-119			
Surrogate: 2-Fluorobiphenyl	857		"	1670		51.4	32.4-102			
Surrogate: 2,4,6-Tribromophenol	1250		"	1670		74.8	18.1-101			
Surrogate: Terphenyl-d14	859		"	1670		51.6	29.1-130			

**Matrix Spike (9062501-MS1)**

Source: T900580-13

Prepared: 06/25/09 Analyzed: 06/30/09

Phenol	802	1000	ug/kg	1670	ND	48.1	24.4-110			
2-Chlorophenol	791	1000	"	1670	ND	47.4	34.7-112			
1,4-Dichlorobenzene	876	300	"	1670	ND	52.6	36-97			
N-Nitrosodi-n-propylamine	1080	300	"	1670	ND	65.0	34.9-71.8			
1,2,4-Trichlorobenzene	1160	300	"	1670	ND	69.4	30.5-84			
4-Chloro-3-methylphenol	1320	1000	"	1670	ND	79.2	25.1-111			
Acenaphthene	1250	300	"	1670	ND	75.1	33.8-76.1			
4-Nitrophenol	1450	1000	"	1670	ND	87.0	9.07-113			
2,4-Dinitrotoluene	1410	300	"	1670	ND	84.4	11.2-71.8			QM-Hi
Pentachlorophenol	1410	1000	"	1670	ND	84.5	9-103			
Pyrene	1440	300	"	1670	ND	86.3	24.5-100			

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/01/09 15:35

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062501 - EPA 3550 ECD/GCMS**

**Matrix Spike (9062501-MS1)**

Source: T900580-13

Prepared: 06/25/09 Analyzed: 06/30/09

Surrogate: 2-Fluorophenol	619		ug/kg	1670		37.1	14.3-83.1			
Surrogate: Phenol-d6	784		"	1670		47.0	12-95.6			
Surrogate: Nitrobenzene-d5	805		"	1670		48.3	21.3-119			
Surrogate: 2-Fluorobiphenyl	846		"	1670		50.8	32.4-102			
Surrogate: 2,4,6-Tribromophenol	1260		"	1670		75.5	18.1-101			
Surrogate: Terphenyl-dl4	809		"	1670		48.5	29.1-130			

**Matrix Spike Dup (9062501-MSD1)**

Source: T900580-13

Prepared: 06/25/09 Analyzed: 06/30/09

Phenol	961	1000	ug/kg	1670	ND	57.7	24.4-110	18.1	42	
2-Chlorophenol	1050	1000	"	1670	ND	63.1	34.7-112	28.4	40	
1,4-Dichlorobenzene	998	300	"	1670	ND	59.9	36-97	13.1	28	
N-Nitrosodi-n-propylamine	1110	300	"	1670	ND	66.4	34.9-71.8	2.25	38	
1,2,4-Trichlorobenzene	1190	300	"	1670	ND	71.6	30.5-84	3.12	28	
4-Chloro-3-methylphenol	1340	1000	"	1670	ND	80.5	25.1-111	1.65	42	
Acenaphthene	1280	300	"	1670	ND	76.7	33.8-76.1	2.11	31	QM-Hi
4-Nitrophenol	1520	1000	"	1670	ND	90.9	9.07-113	4.43	50	
2,4-Dinitrotoluene	1420	300	"	1670	ND	84.9	11.2-71.8	0.662	38	QM-Hi
Pentachlorophenol	1430	1000	"	1670	ND	86.1	9-103	1.78	50	
Pyrene	1430	300	"	1670	ND	86.0	24.5-100	0.441	31	
Surrogate: 2-Fluorophenol	846		"	1670		50.8	14.3-83.1			
Surrogate: Phenol-d6	966		"	1670		58.0	12-95.6			
Surrogate: Nitrobenzene-d5	838		"	1670		50.3	21.3-119			
Surrogate: 2-Fluorobiphenyl	889		"	1670		53.3	32.4-102			
Surrogate: 2,4,6-Tribromophenol	1330		"	1670		79.8	18.1-101			
Surrogate: Terphenyl-dl4	937		"	1670		56.2	29.1-130			

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Terracon - Irvine  
16662 Millikan Avenue  
Irvine CA, 92606

Project: Rice  
Project Number: 60097032  
Project Manager: Anthony Wightman

**Reported:**  
07/01/09 15:35

### Notes and Definitions

- S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- QM-Hi Spike recovery was high for specified analyte. Data was accepted because samples associated with batch were non detect for analyte in question.
- QM-07 The spike recovery and or RPD was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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SunStar Laboratories, Inc.

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John Shepler, Laboratory Director

SunStar Laboratories, Inc.  
 3002 Dow Ave, Suite 212  
 Tustin, CA 92780  
 714-505-4010

### Chain of Custody Record

Client: TERRACON Date: 06/24/09 Page: 1 Of 1  
 Address: 6662 MILLIKAN AVE, IRVINE 92606  
 Phone: 949-660-9718 Fax: 949-660-9732  
 Project Name: RICE  
 Project Manager: ANTHONY WIGHTMAN Collector: TAW/MAR/JP Client Project #: 60097032  
TAW@WIGHTMAN@TERRACON.COM Batch #: 7900580 COC 81839

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext/Carbon Chain	6010/7000 Title 22 Metals	8015M (TRH-CC)	8082 (RCBS)	Laboratory ID #	Comments/Preservative	Total # of containers	Notes
B-17@5'	06/23/09	1545	SOIL	JARQUINS	X						X	X	X		01			
B-17@10'		1555			X						X	X	X		02			
B-12@5'		1335			X						X	X	X		03			
B-07@5'	06/24/09	0710			X						X	X	X		04			
B-07@10'		0720			X						X	X	X		05			
B-07@P		0820			X						X	X	X		06			
B-04@5'		0850		TURBIDIM	X						X	X	X		07			
B-04@15'		0900			X						X	X	X		08			
B-03@5'		0940			X						X	X	X		09			
B-03@15'		0945			X						X	X	X		10			
B-02@5'		1010			X						X	X	X		11			
B-02@15'		1020			X						X	X	X		12			
B-01@2'		1100			X						X	X	X		13			
B-01@15'		1115			X						X	X	X		14			
TAW																		
Relinquished by: (signature)			Date / Time			Received by: (signature)			Date / Time			Total # of containers			Notes			
T.A. Wightman			06/24/09			[Signature]			6/24/09 1145			56			S6			
Relinquished by: (signature)			Date / Time			Received by: (signature)			Date / Time			Chain of Custody seals Y/N/NA			Seals intact? Y/N/NA			
[Signature]						[Signature]						Y			Y			
Relinquished by: (signature)			Date / Time			Received by: (signature)			Date / Time			Received good condition/cold			10.2			
[Signature]						[Signature]						10.2			10.2			

Sample disposal instructions: Disposal @ \$2.00 each \_\_\_\_\_ Return to client \_\_\_\_\_ Pickup \_\_\_\_\_  
 Turn around time: STANDARD



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Lake Forest, California 92630  
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06 July 2009

Anthony Wightman  
Terracon - Irvine  
16662 Millikan Avenue  
Irvine, CA 92606  
RE: Rice

Enclosed are the results of analyses for samples received by the laboratory on 06/25/09 12:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "John J. Shepler".

John Shepler  
Laboratory Director



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

**Reported:**  
 07/06/09 16:48

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-05 @ 5'	T900586-01	Soil	06/24/09 11:40	06/25/09 12:45
B-05 @ 15'	T900586-02	Soil	06/24/09 12:00	06/25/09 12:45
B-24 @ 2'	T900586-03	Soil	06/24/09 12:20	06/25/09 12:45
B-24 @ 15'	T900586-04	Soil	06/24/09 12:30	06/25/09 12:45
B-08 @ 2'	T900586-05	Soil	06/24/09 15:20	06/25/09 12:45
B-08 @ 10'	T900586-06	Soil	06/24/09 15:30	06/25/09 12:45
B-06 @ 5'	T900586-07	Soil	06/24/09 13:20	06/25/09 12:45
B-06 @ 15'	T900586-08	Soil	06/24/09 13:30	06/25/09 12:45
B-09 @ 2'	T900586-09	Soil	06/24/09 15:50	06/25/09 12:45
B-09 @ 10'	T900586-10	Soil	06/24/09 16:00	06/25/09 12:45
B-13 @ 5'	T900586-11	Soil	06/24/09 16:30	06/25/09 12:45
B-13 @ 10'	T900586-12	Soil	06/24/09 16:40	06/25/09 12:45
B-10 @ 10'	T900586-13	Soil	06/25/09 08:50	06/25/09 12:45
B-10 @ P'	T900586-14	Soil	06/25/09 07:10	06/25/09 12:45

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John Shepler, Laboratory Director



25712 Commercentre Drive  
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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/06/09 16:48
----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-05 @ 5'**  
**T900586-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062605	06/26/09	06/26/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		87.0 %	65-135		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062606	06/26/09	07/02/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		65.3 %	35-140		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-05 @ 5'**  
**T900586-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/06/09 16:48
----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-05 @ 5'**  
**T900586-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Trichloroethene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>90.6 %</i>		<i>75.1-121</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
<i>Surrogate: Dibromofluoromethane</i>		<i>108 %</i>		<i>90-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
<i>Surrogate: Toluene-d8</i>		<i>94.0 %</i>		<i>85-115</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>

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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-05 @ 15'**  
**T900586-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062605	06/26/09	06/26/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		85.5 %	65-135		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062606	06/26/09	07/02/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		64.5 %	35-140		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	

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 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-05 @ 15'**  
**T900586-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/06/09 16:48
----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-05 @ 15'**  
**T900586-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Trichlorofluoromethane	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.3 %		75.1-121	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		103 %		90-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.6 %		85-115	"	"	"	"	

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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-24 @ 2'**  
**T900586-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062606	06/26/09	07/02/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		40.1 %	35-140	"	"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-24 @ 2'**  
**T900586-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Dichlorodifluoromethane	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	

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John Shepler, Laboratory Director



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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-24 @ 2'**  
**T900586-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		120 %	90-135		"	"	"	"	
Surrogate: Toluene-d8		100 %	85-115		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	9062601	06/29/09	06/30/09	EPA 8270C	
Aniline	ND	300	"	"	"	"	"	"	
Phenol	ND	1000	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-24 @ 2'**  
**T900586-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzyl alcohol	ND	300	ug/kg	1	9062601	06/29/09	06/30/09	EPA 8270C	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-24 @ 2'**  
**T900586-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-Methylphenol	ND	1000	ug/kg	1	9062601	06/29/09	06/30/09	EPA 8270C	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol	38.5 %	14.3-83.1			"	"	"	"	
Surrogate: Phenol-d6	46.2 %	12-95.6			"	"	"	"	
Surrogate: Nitrobenzene-d5	40.2 %	21.3-119			"	"	"	"	
Surrogate: 2-Fluorobiphenyl	46.0 %	32.4-102			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	58.0 %	18.1-101			"	"	"	"	
Surrogate: Terphenyl-d14	42.6 %	29.1-130			"	"	"	"	

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/06/09 16:48
----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-24 @ 15'**  
**T900586-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062606	06/26/09	07/02/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		51.9 %	35-140	"	"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-24 @ 15'**  
**T900586-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Dichlorodifluoromethane	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	

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 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
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**B-24 @ 15'**  
**T900586-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.1 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		111 %	90-135		"	"	"	"	
Surrogate: Toluene-d8		98.4 %	85-115		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	9062601	06/29/09	06/30/09	EPA 8270C	
Aniline	ND	300	"	"	"	"	"	"	
Phenol	ND	1000	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-24 @ 15'**  
**T900586-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzyl alcohol	ND	300	ug/kg	1	9062601	06/29/09	06/30/09	EPA 8270C	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-24 @ 15'**  
**T900586-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-Methylphenol	ND	1000	ug/kg	1	9062601	06/29/09	06/30/09	EPA 8270C	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		30.0 %	14.3-83.1		"	"	"	"	
Surrogate: Phenol-d6		31.9 %	12-95.6		"	"	"	"	
Surrogate: Nitrobenzene-d5		29.7 %	21.3-119		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		31.2 %	32.4-102		"	"	"	"	S-03
Surrogate: 2,4,6-Tribromophenol		39.8 %	18.1-101		"	"	"	"	
Surrogate: Terphenyl-d14		29.9 %	29.1-130		"	"	"	"	

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/06/09 16:48
----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-08 @ 2'**  
**T900586-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062605	06/26/09	06/26/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		85.2 %		65-135	"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	9062603	06/26/09	06/29/09	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>80</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>7.7</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>4.4</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>8.2</b>	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>4.6</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>33</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>20</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	9062604	06/26/09	06/29/09	EPA 7471A Soil	
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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-08 @ 2'**  
**T900586-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	

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 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-08 @ 2'**  
**T900586-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

cis-1,3-Dichloropropene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.1 %		75.1-121	"	"	"	"	
Surrogate: Dibromofluoromethane		106 %		90-135	"	"	"	"	
Surrogate: Toluene-d8		92.1 %		85-115	"	"	"	"	

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**B-08 @ 10'**  
**T900586-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062605	06/26/09	06/26/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		106 %		65-135	"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	9062603	06/26/09	06/29/09	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>49</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	06/29/09	"	
Cadmium	ND	2.0	"	"	"	"	06/29/09	"	
<b>Chromium</b>	<b>13</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>5.3</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>13</b>	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>8.5</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>41</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>23</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	9062604	06/26/09	06/29/09	EPA 7471A Soil	
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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-08 @ 10'**  
**T900586-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	

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**B-08 @ 10'**  
**T900586-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

cis-1,3-Dichloropropene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.9 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		119 %	90-135		"	"	"	"	
Surrogate: Toluene-d8		99.1 %	85-115		"	"	"	"	

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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-06 @ 5'**  
**T900586-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062605	06/26/09	06/26/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p-Terphenyl</i>		104 %	65-135		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062606	06/26/09	07/02/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: <i>Tetrachloro-meta-xylene</i>		53.7 %	35-140		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-06 @ 5'**  
**T900586-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/06/09 16:48
----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-06 @ 5'**  
**T900586-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Trichlorofluoromethane	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.2 %		75.1-121	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		115 %		90-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %		85-115	"	"	"	"	

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----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-06 @ 15'**  
**T900586-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062605	06/26/09	06/26/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		104 %	65-135		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062606	06/26/09	07/02/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		55.1 %	35-140		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	

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 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-06 @ 15'**  
**T900586-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/06/09 16:48
----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-06 @ 15'**  
**T900586-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Trichlorofluoromethane	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.1 %		75.1-121	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		110 %		90-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.1 %		85-115	"	"	"	"	

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 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-09 @ 2'**  
**T900586-09 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062605	06/26/09	06/26/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>109 %</i>	<i>65-135</i>						

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	9062603	06/26/09	06/29/09	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>70</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>11</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>5.6</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>9.7</b>	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>5.3</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>54</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>21</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	9062604	06/26/09	06/29/09	EPA 7471A Soil	
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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-09 @ 2'**  
**T900586-09 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-09 @ 2'**  
**T900586-09 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

cis-1,3-Dichloropropene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.6 %		75.1-121	"	"	"	"	
Surrogate: Dibromofluoromethane		103 %		90-135	"	"	"	"	
Surrogate: Toluene-d8		101 %		85-115	"	"	"	"	

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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-09 @ 10'**  
**T900586-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062605	06/26/09	06/26/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>105 %</i>	<i>65-135</i>						

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	9062603	06/26/09	06/29/09	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>46</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	06/29/09	"	
Cadmium	ND	2.0	"	"	"	"	06/29/09	"	
<b>Chromium</b>	<b>8.1</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>4.2</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>8.6</b>	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>5.8</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>23</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>19</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	9062604	06/26/09	06/29/09	EPA 7471A Soil	
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John Shepler, Laboratory Director



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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/06/09 16:48
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**B-09 @ 10'**  
**T900586-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-09 @ 10'**  
**T900586-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

cis-1,3-Dichloropropene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.9 %		75.1-121	"	"	"	"	
Surrogate: Dibromofluoromethane		110 %		90-135	"	"	"	"	
Surrogate: Toluene-d8		101 %		85-115	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-13 @ 5'**  
**T900586-11 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062605	06/26/09	06/26/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		83.4 %	65-135		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062606	06/26/09	07/02/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro- <i>meta</i> -xylene		53.9 %	35-140		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-13 @ 5'**  
**T900586-11 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-13 @ 5'**  
**T900586-11 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Trichlorofluoromethane	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		85.9 %		75.1-121	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		106 %		90-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.3 %		85-115	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-13 @ 10'**  
**T900586-12 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062605	06/26/09	06/26/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p-Terphenyl</i>		83.3 %	65-135		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062606	06/26/09	07/02/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: <i>Tetrachloro-meta-xylene</i>		55.6 %	35-140		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-13 @ 10'**  
**T900586-12 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/06/09 16:48
----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-13 @ 10'**  
**T900586-12 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Trichlorofluoromethane	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.8 %		75.1-121	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		105 %		90-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.1 %		85-115	"	"	"	"	

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**B-10 @ 10'**  
**T900586-13 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062605	06/26/09	06/26/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p-Terphenyl</i>		105 %	65-135		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062606	06/26/09	07/02/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: <i>Tetrachloro-meta-xylene</i>		54.3 %	35-140		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-10 @ 10'**  
**T900586-13 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-10 @ 10'**  
**T900586-13 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Trichlorofluoromethane	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.6 %		75.1-121	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		113 %		90-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.5 %		85-115	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**B-10 @ P'**  
**T900586-14 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062605	06/26/09	06/26/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p-Terphenyl</i>		84.0 %	65-135		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	9062606	06/26/09	07/02/09	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: <i>Tetrachloro-meta-xylene</i>		55.5 %	35-140		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
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**B-10 @ P'**  
**T900586-14 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	

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----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**B-10 @ P'**  
**T900586-14 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Trichlorofluoromethane	ND	5.0	ug/kg	1	9062607	06/26/09	06/26/09	EPA 8260B	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.5 %		75.1-121	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		101 %		90-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.1 %		85-115	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**Extractable Petroleum Hydrocarbons by 8015C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062605 - EPA 3550B GC**

**Blank (9062605-BLK1)**

Prepared & Analyzed: 06/26/09

C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
<i>Surrogate: p-Terphenyl</i>	108		"	100		108	65-135			

**LCS (9062605-BS1)**

Prepared & Analyzed: 06/26/09

C13-C28 (DRO)	400	10	mg/kg	500	ND	80.0	75-125			
<i>Surrogate: p-Terphenyl</i>	85.7		"	100		85.7	65-135			

**Matrix Spike (9062605-MS1)**

Source: T900586-02

Prepared: 06/26/09 Analyzed: 06/27/09

C13-C28 (DRO)	420	10	mg/kg	500	ND	84.8	75-125			
<i>Surrogate: p-Terphenyl</i>	83.9		"	100		83.9	65-135			

**Matrix Spike Dup (9062605-MSD1)**

Source: T900586-02

Prepared: 06/26/09 Analyzed: 06/27/09

C13-C28 (DRO)	480	10	mg/kg	500	ND	96.2	75-125	12.5	20	
<i>Surrogate: p-Terphenyl</i>	104		"	100		104	65-135			

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
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**Metals by EPA 6010B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062603 - EPA 3051**

**Blank (9062603-BLK1)**

Prepared: 06/26/09 Analyzed: 06/29/09

Antimony	ND	3.0	mg/kg							
Silver	ND	2.0	"							
Arsenic	ND	5.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	3.0	"							
Molybdenum	ND	1.0	"							
Nickel	ND	2.0	"							
Selenium	ND	5.0	"							
Thallium	ND	2.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	1.0	"							

**LCS (9062603-BS1)**

Prepared: 06/26/09 Analyzed: 06/29/09

Arsenic	105	5.0	mg/kg	100		105	75-125			
Barium	105	1.0	"	100		105	75-125			
Cadmium	102	2.0	"	100		102	75-125			
Chromium	103	2.0	"	100		103	75-125			
Lead	102	3.0	"	100		102	75-125			

**Matrix Spike (9062603-MS1)**

Source: T900586-06

Prepared: 06/26/09 Analyzed: 06/29/09

Arsenic	102	5.0	mg/kg	100	0.672	101	75-125			
Barium	141	1.0	"	100	48.7	92.7	75-125			
Cadmium	97.3	2.0	"	100	0.569	96.7	75-125			
Chromium	109	2.0	"	100	13.1	96.0	75-125			
Lead	99.4	3.0	"	100	2.34	97.1	75-125			

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----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**Metals by EPA 6010B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062603 - EPA 3051**

Matrix Spike Dup (9062603-MSD1)	Source: T900586-06			Prepared: 06/26/09	Analyzed: 06/29/09					
Arsenic	104	5.0	mg/kg	100	0.672	104	75-125	2.17	20	
Barium	191	1.0	"	100	48.7	143	75-125	30.0	20	QM-07
Cadmium	97.4	2.0	"	100	0.569	96.8	75-125	0.104	20	
Chromium	113	2.0	"	100	13.1	100	75-125	3.63	20	
Lead	99.2	3.0	"	100	2.34	96.8	75-125	0.248	20	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

**Reported:**  
 07/06/09 16:48

**Cold Vapor Extraction EPA 7470/7471 - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062604 - EPA 7471A Soil**

**Blank (9062604-BLK1)**

Prepared: 06/26/09 Analyzed: 06/29/09

Mercury ND 0.10 mg/kg

**LCS (9062604-BS1)**

Prepared: 06/26/09 Analyzed: 06/29/09

Mercury 0.404 0.10 mg/kg 0.417 97.1 80-120

**Matrix Spike (9062604-MS1)**

Source: T900586-05

Prepared: 06/26/09 Analyzed: 06/29/09

Mercury 0.402 0.10 mg/kg 0.417 ND 96.4 75-125

**Matrix Spike Dup (9062604-MSD1)**

Source: T900586-05

Prepared: 06/26/09 Analyzed: 06/29/09

Mercury 0.412 0.10 mg/kg 0.417 ND 99.0 75-125 2.68 20

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**Polychlorinated Biphenyls by EPA Method 8082 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062606 - EPA 3550 ECD/GCMS**

<b>Blank (9062606-BLK1)</b>		Prepared: 06/26/09 Analyzed: 07/02/09								
PCB-1016	ND	10	ug/kg							
PCB-1221	ND	10	"							
PCB-1232	ND	10	"							
PCB-1242	ND	10	"							
PCB-1248	ND	10	"							
PCB-1254	ND	10	"							
PCB-1260	ND	10	"							
<i>Surrogate: Tetrachloro-meta-xylene</i>	5.00		"	10.0		50.0	35-140			
<b>LCS (9062606-BS1)</b>		Prepared: 06/26/09 Analyzed: 07/02/09								
PCB-1016	81.8	10	ug/kg	100		81.8	40-130			
PCB-1260	75.6	10	"	100		75.6	40-130			
<i>Surrogate: Tetrachloro-meta-xylene</i>	4.90		"	10.0		49.0	35-140			
<b>Matrix Spike (9062606-MS1)</b>		<b>Source: T900586-01</b>		Prepared: 06/26/09 Analyzed: 07/02/09						
PCB-1016	47.9	10	ug/kg	100	ND	47.9	40-130			
PCB-1260	49.7	10	"	100	ND	49.7	40-130			
<i>Surrogate: Tetrachloro-meta-xylene</i>	4.02		"	10.0		40.2	35-140			
<b>Matrix Spike Dup (9062606-MSD1)</b>		<b>Source: T900586-01</b>		Prepared: 06/26/09 Analyzed: 07/02/09						
PCB-1016	51.1	10	ug/kg	100	ND	51.1	40-130	6.49	30	
PCB-1260	40.4	10	"	100	ND	40.4	40-130	20.7	30	
<i>Surrogate: Tetrachloro-meta-xylene</i>	5.22		"	10.0		52.2	35-140			

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062607 - EPA 5035 GCMS**

**Blank (9062607-BLK1)**

Prepared & Analyzed: 06/26/09

Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	"
Bromodichloromethane	ND	5.0	"
Bromoform	ND	5.0	"
Bromomethane	ND	5.0	"
n-Butylbenzene	ND	5.0	"
sec-Butylbenzene	ND	5.0	"
tert-Butylbenzene	ND	5.0	"
Carbon tetrachloride	ND	5.0	"
Chlorobenzene	ND	5.0	"
Chloroethane	ND	5.0	"
Chloroform	ND	5.0	"
Chloromethane	ND	5.0	"
2-Chlorotoluene	ND	5.0	"
4-Chlorotoluene	ND	5.0	"
Dibromochloromethane	ND	5.0	"
1,2-Dibromo-3-chloropropane	ND	5.0	"
1,2-Dibromoethane (EDB)	ND	5.0	"
Dibromomethane	ND	5.0	"
1,2-Dichlorobenzene	ND	5.0	"
1,3-Dichlorobenzene	ND	5.0	"
1,4-Dichlorobenzene	ND	5.0	"
Dichlorodifluoromethane	ND	5.0	"
1,1-Dichloroethane	ND	5.0	"
1,2-Dichloroethane	ND	5.0	"
1,1-Dichloroethene	ND	5.0	"
cis-1,2-Dichloroethene	ND	5.0	"
trans-1,2-Dichloroethene	ND	5.0	"
1,2-Dichloropropane	ND	5.0	"
1,3-Dichloropropane	ND	5.0	"
2,2-Dichloropropane	ND	5.0	"
1,1-Dichloropropene	ND	5.0	"
cis-1,3-Dichloropropene	ND	5.0	"
trans-1,3-Dichloropropene	ND	5.0	"
Hexachlorobutadiene	ND	5.0	"
Isopropylbenzene	ND	5.0	"

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062607 - EPA 5035 GCMS**

**Blank (9062607-BLK1)**

Prepared & Analyzed: 06/26/09

p-Isopropyltoluene	ND	5.0	ug/kg							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Surrogate: 4-Bromofluorobenzene	39.0		"	40.0		97.5	75.1-121			
Surrogate: Dibromofluoromethane	44.2		"	40.0		110	90-135			
Surrogate: Toluene-d8	39.0		"	40.0		97.4	85-115			

**LCS (9062607-BS1)**

Prepared & Analyzed: 06/26/09

Chlorobenzene	101	5.0	ug/kg	100		101	75-125			
1,1-Dichloroethene	101	5.0	"	100		101	75-125			
Trichloroethene	91.6	5.0	"	100		91.6	75-125			
Benzene	99.4	5.0	"	100		99.4	75-125			
Toluene	99.2	5.0	"	100		99.2	75-125			
Surrogate: 4-Bromofluorobenzene	51.2		"	40.0		128	75.1-121			S-GC
Surrogate: Dibromofluoromethane	40.3		"	40.0		101	90-135			
Surrogate: Toluene-d8	41.4		"	40.0		104	85-115			

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 Project Number: 60097032  
 Project Manager: Anthony Wightman

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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062607 - EPA 5035 GCMS**

**LCS Dup (9062607-BSD1)**

Prepared & Analyzed: 06/26/09

Chlorobenzene	102	5.0	ug/kg	100	102	75-125	1.28	20		
1,1-Dichloroethene	110	5.0	"	100	110	75-125	8.84	20		
Trichloroethene	90.1	5.0	"	100	90.1	75-125	1.60	20		
Benzene	104	5.0	"	100	104	75-125	4.91	20		
Toluene	102	5.0	"	100	102	75-125	2.44	20		
Surrogate: 4-Bromofluorobenzene	46.4		"	40.0	116	75.1-121				
Surrogate: Dibromofluoromethane	40.2		"	40.0	100	90-135				
Surrogate: Toluene-d8	42.9		"	40.0	107	85-115				

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
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**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062601 - EPA 3550 ECD/GCMS**

**Blank (9062601-BLK1)**

Prepared: 06/26/09 Analyzed: 06/30/09

Carbazole	ND	300	ug/kg							
Aniline	ND	300	"							
Phenol	ND	1000	"							
2-Chlorophenol	ND	1000	"							
1,4-Dichlorobenzene	ND	300	"							
N-Nitrosodi-n-propylamine	ND	300	"							
1,2,4-Trichlorobenzene	ND	300	"							
4-Chloro-3-methylphenol	ND	1000	"							
1-Methylnaphthalene	ND	300	"							
2-Methylnaphthalene	ND	300	"							
Acenaphthene	ND	300	"							
4-Nitrophenol	ND	1000	"							
2,4-Dinitrotoluene	ND	300	"							
Pentachlorophenol	ND	1000	"							
Pyrene	ND	300	"							
Acenaphthylene	ND	300	"							
Anthracene	ND	300	"							
Benzo (a) anthracene	ND	300	"							
Benzo (b) fluoranthene	ND	300	"							
Benzo (k) fluoranthene	ND	300	"							
Benzo (g,h,i) perylene	ND	1000	"							
Benzo (a) pyrene	ND	300	"							
Benzyl alcohol	ND	300	"							
Bis(2-chloroethoxy)methane	ND	300	"							
Bis(2-chloroethyl)ether	ND	300	"							
Bis(2-chloroisopropyl)ether	ND	300	"							
Bis(2-ethylhexyl)phthalate	ND	300	"							
4-Bromophenyl phenyl ether	ND	300	"							
Butyl benzyl phthalate	ND	300	"							
4-Chloroaniline	ND	300	"							
2-Chloronaphthalene	ND	300	"							
4-Chlorophenyl phenyl ether	ND	300	"							
Chrysene	ND	300	"							
Dibenz (a,h) anthracene	ND	300	"							
Dibenzofuran	ND	300	"							
Di-n-butyl phthalate	ND	300	"							

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 Project Manager: Anthony Wightman

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**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062601 - EPA 3550 ECD/GCMS**

**Blank (9062601-BLK1)**

Prepared: 06/26/09 Analyzed: 06/30/09

1,2-Dichlorobenzene	ND	300	ug/kg							
1,3-Dichlorobenzene	ND	300	"							
2,4-Dichlorophenol	ND	1000	"							
Diethyl phthalate	ND	300	"							
2,4-Dimethylphenol	ND	1000	"							
Dimethyl phthalate	ND	300	"							
4,6-Dinitro-2-methylphenol	ND	1000	"							
2,4-Dinitrophenol	ND	1000	"							
2,6-Dinitrotoluene	ND	1000	"							
Di-n-octyl phthalate	ND	300	"							
Fluoranthene	ND	300	"							
Fluorene	ND	300	"							
Hexachlorobenzene	ND	1500	"							
Hexachlorobutadiene	ND	300	"							
Hexachlorocyclopentadiene	ND	1000	"							
Hexachloroethane	ND	300	"							
Indeno (1,2,3-cd) pyrene	ND	300	"							
Isophorone	ND	300	"							
2-Methylphenol	ND	1000	"							
4-Methylphenol	ND	1000	"							
Naphthalene	ND	300	"							
2-Nitroaniline	ND	300	"							
3-Nitroaniline	ND	300	"							
4-Nitroaniline	ND	300	"							
Nitrobenzene	ND	1000	"							
2-Nitrophenol	ND	1000	"							
N-Nitrosodimethylamine	ND	300	"							
N-Nitrosodiphenylamine	ND	300	"							
2,3,5,6-Tetrachlorophenol	ND	300	"							
2,3,4,6-Tetrachlorophenol	ND	300	"							
Phenanthrene	ND	300	"							
2,4,5-Trichlorophenol	ND	1000	"							
2,4,6-Trichlorophenol	ND	1000	"							
Surrogate: 2-Fluorophenol	821		"	1670		49.3	14.3-83.1			
Surrogate: Phenol-d6	873		"	1670		52.4	12-95.6			

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

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**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062601 - EPA 3550 ECD/GCMS**

**Blank (9062601-BLK1)**

Prepared: 06/26/09 Analyzed: 06/30/09

Surrogate: Nitrobenzene-d5	747		ug/kg	1670		44.8	21.3-119			
Surrogate: 2-Fluorobiphenyl	820		"	1670		49.2	32.4-102			
Surrogate: 2,4,6-Tribromophenol	993		"	1670		59.6	18.1-101			
Surrogate: Terphenyl-d14	754		"	1670		45.2	29.1-130			

**LCS (9062601-BS1)**

Prepared: 06/26/09 Analyzed: 06/30/09

Phenol	1180	1000	ug/kg	1670		71.1	25.9-102			
2-Chlorophenol	1160	1000	"	1670		69.3	37.1-110			
1,4-Dichlorobenzene	1000	300	"	1670		60.0	36-97			
N-Nitrosodi-n-propylamine	1160	300	"	1670		69.3	30.8-81.8			
1,2,4-Trichlorobenzene	1170	300	"	1670		70.2	39-98			
4-Chloro-3-methylphenol	1280	1000	"	1670		77.1	33.1-109			
Acenaphthene	1220	300	"	1670		73.0	38.9-79.4			
4-Nitrophenol	1040	1000	"	1670		62.6	14-103			
2,4-Dinitrotoluene	891	300	"	1670		53.5	24-96			
Pentachlorophenol	1030	1000	"	1670		61.7	8.05-120			
Pyrene	1330	300	"	1670		79.6	25-85.2			
Surrogate: 2-Fluorophenol	1040		"	1670		62.4	14.3-83.1			
Surrogate: Phenol-d6	1090		"	1670		65.4	12-95.6			
Surrogate: Nitrobenzene-d5	880		"	1670		52.8	21.3-119			
Surrogate: 2-Fluorobiphenyl	916		"	1670		55.0	32.4-102			
Surrogate: 2,4,6-Tribromophenol	1160		"	1670		69.3	18.1-101			
Surrogate: Terphenyl-d14	797		"	1670		47.8	29.1-130			

**Matrix Spike (9062601-MS1)**

Source: T900586-03

Prepared: 06/26/09 Analyzed: 07/01/09

Phenol	1160	1000	ug/kg	1670	ND	69.7	24.4-110			
2-Chlorophenol	963	1000	"	1670	ND	57.8	34.7-112			
1,4-Dichlorobenzene	872	300	"	1670	ND	52.3	36-97			
N-Nitrosodi-n-propylamine	1050	300	"	1670	ND	62.9	34.9-71.8			
1,2,4-Trichlorobenzene	1100	300	"	1670	ND	65.9	30.5-84			
4-Chloro-3-methylphenol	1260	1000	"	1670	ND	75.7	25.1-111			
Acenaphthene	1170	300	"	1670	ND	70.3	33.8-76.1			
4-Nitrophenol	795	1000	"	1670	ND	47.7	9.07-113			
2,4-Dinitrotoluene	915	300	"	1670	ND	54.9	11.2-71.8			
Pentachlorophenol	961	1000	"	1670	ND	57.7	9-103			
Pyrene	1420	300	"	1670	ND	85.1	24.5-100			

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:48

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062601 - EPA 3550 ECD/GCMS**

**Matrix Spike (9062601-MS1)**

Source: T900586-03

Prepared: 06/26/09 Analyzed: 07/01/09

Surrogate: 2-Fluorophenol	921		ug/kg	1670		55.2	14.3-83.1			
Surrogate: Phenol-d6	992		"	1670		59.5	12-95.6			
Surrogate: Nitrobenzene-d5	808		"	1670		48.5	21.3-119			
Surrogate: 2-Fluorobiphenyl	859		"	1670		51.5	32.4-102			
Surrogate: 2,4,6-Tribromophenol	1120		"	1670		67.4	18.1-101			
Surrogate: Terphenyl-dl4	840		"	1670		50.4	29.1-130			

**Matrix Spike Dup (9062601-MSD1)**

Source: T900586-03

Prepared: 06/26/09 Analyzed: 07/01/09

Phenol	699	1000	ug/kg	1670	ND	42.0	24.4-110	49.7	42	QR-03
2-Chlorophenol	701	1000	"	1670	ND	42.1	34.7-112	31.5	40	
1,4-Dichlorobenzene	690	300	"	1670	ND	41.4	36-97	23.4	28	
N-Nitrosodi-n-propylamine	813	300	"	1670	ND	48.8	34.9-71.8	25.3	38	
1,2,4-Trichlorobenzene	879	300	"	1670	ND	52.7	30.5-84	22.2	28	
4-Chloro-3-methylphenol	972	1000	"	1670	ND	58.3	25.1-111	25.9	42	
Acenaphthene	970	300	"	1670	ND	58.2	33.8-76.1	18.9	31	
4-Nitrophenol	500	1000	"	1670	ND	30.0	9.07-113	45.5	50	
2,4-Dinitrotoluene	753	300	"	1670	ND	45.2	11.2-71.8	19.4	38	
Pentachlorophenol	687	1000	"	1670	ND	41.2	9-103	33.3	50	
Pyrene	1200	300	"	1670	ND	72.0	24.5-100	16.6	31	
Surrogate: 2-Fluorophenol	571		"	1670		34.3	14.3-83.1			
Surrogate: Phenol-d6	674		"	1670		40.4	12-95.6			
Surrogate: Nitrobenzene-d5	636		"	1670		38.2	21.3-119			
Surrogate: 2-Fluorobiphenyl	699		"	1670		41.9	32.4-102			
Surrogate: 2,4,6-Tribromophenol	911		"	1670		54.6	18.1-101			
Surrogate: Terphenyl-dl4	710		"	1670		42.6	29.1-130			

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Terracon - Irvine  
16662 Millikan Avenue  
Irvine CA, 92606

Project: Rice  
Project Number: 60097032  
Project Manager: Anthony Wightman

**Reported:**  
07/06/09 16:48

### Notes and Definitions

- S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- S-03 The surrogate recovery was below acceptance criteria in the sample because of a possible matrix effect. The surrogate recovery was within acceptance criteria in the method blank and LCS.
- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery and or RPD was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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SunStar Laboratories, Inc.

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---

John Shepler, Laboratory Director

# Chain of Custody Record

SunStar Laboratories, Inc.  
 3002 Dow Ave, Suite 212  
 Tustin, CA 92780  
 714-505-4010

Client: TERRACON  
 Address: 1662 MILLIKAN AVE, IRVINE 92606  
 Phone: 949-660-9718 Fax: 949-660-9732  
 Project Manager: ANTHONY WIGHTMAN  
TAWLIGHTMAN@TERRACON.COM

Date: 06/25/09 Page: 1 Of 1  
 Project Name: RICE  
 Collector: TAW/MAR Client Project #: 60097032  
 Batch #: 7900586 COC 81766

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	801M (TH-C)	8082 (RCS)	Laboratory ID #	Comments/Preservative	Total # of containers		
B-05 @ 5'	06/24/09	1140	SOIL	TUBE VIAS	X								X	X	01				
B-24 @ 15'		1200			X		X						X	X	02				
B-24 @ 15'		1230			X		X						X	X	03				
B-08 @ 2'		1520			X							X			04				
B-08 @ 10'		1530			X						X				05				
B-06 @ 5'		1320		JAR VIAS	X							X			06				
B-06 @ 15'		1330			X							X			07				
B-09 @ 2'		1550		TUBE VIAS	X							X			08				
B-09 @ 10'		1600			X							X			09				
B-13 @ 5'		1630			X							X			10				
B-13 @ 10'		1640			X							X			11				
B-10 @ 10'	06/25/09	0850		JAR VIAS	X							X			12				
B-10 @ P		0710			X							X			13				
TAW															14				
Relinquished by: (signature) <u>T.A. [Signature]</u>					Received by: (signature) <u>[Signature]</u>					Date / Time <u>06/25/09 1245</u>					Total # of containers <u>56</u>				
Relinquished by: (signature)					Received by: (signature)					Date / Time					Chain of Custody seals Y/N/NA <u>N</u>				
Relinquished by: (signature)					Received by: (signature)					Date / Time					Seals intact? Y/N/NA <u>Y</u>				
Relinquished by: (signature)					Received by: (signature)					Date / Time					Received good condition/cold <u>6.9</u>				
Turn around time: <u>STANDARD</u>																			

Sample disposal Instructions: Disposal @ \$2.00 each \_\_\_\_\_ Return to client \_\_\_\_\_ Pickup \_\_\_\_\_



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06 July 2009

Anthony Wightman  
Terracon - Irvine  
16662 Millikan Avenue  
Irvine, CA 92606  
RE: Rice

Enclosed are the results of analyses for samples received by the laboratory on 06/26/09 10:48. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'John J. Shepler', is written over a light gray rectangular background.

John Shepler  
Laboratory Director



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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

**Reported:**  
 07/06/09 16:51

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-19 @ 5'	T900589-01	Soil	06/25/09 13:45	06/26/09 10:48
B-19 @ 10'	T900589-02	Soil	06/25/09 13:55	06/26/09 10:48
B-16 @ 5'	T900589-03	Soil	06/25/09 14:40	06/26/09 10:48
B-16 @ 10'	T900589-04	Soil	06/25/09 14:50	06/26/09 10:48
B-11 @ 5'	T900589-05	Soil	06/25/09 15:25	06/26/09 10:48
B-11 @ 10'	T900589-06	Soil	06/25/09 15:35	06/26/09 10:48
B-14 @ 5'	T900589-07	Soil	06/25/09 16:10	06/26/09 10:48
B-14 @ 10'	T900589-08	Soil	06/25/09 16:20	06/26/09 10:48

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John Shepler, Laboratory Director



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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-19 @ 5'**  
**T900589-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062701	06/27/09	06/30/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		83.7 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-19 @ 5'**  
**T900589-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

cis-1,2-Dichloroethene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	

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----------------------------------------------------------------	--------------------------------------------------------------------------------	------------------------------------

**B-19 @ 5'**  
**T900589-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
o-Xylene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B
Surrogate: 4-Bromofluorobenzene	79.8 %	75.1-121			"	"	"	"
Surrogate: Dibromofluoromethane	104 %	90-135			"	"	"	"
Surrogate: Toluene-d8	99.6 %	85-115			"	"	"	"

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/06/09 16:51
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**B-19 @ 10'**  
**T900589-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062701	06/27/09	06/30/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		85.2 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-19 @ 10'**  
**T900589-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	<b>Reported:</b> 07/06/09 16:51
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**B-19 @ 10'**  
**T900589-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
o-Xylene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B
Surrogate: 4-Bromofluorobenzene	76.0 %	75.1-121			"	"	"	"
Surrogate: Dibromofluoromethane	108 %	90-135			"	"	"	"
Surrogate: Toluene-d8	90.9 %	85-115			"	"	"	"

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**B-16 @ 5'**  
**T900589-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062701	06/27/09	06/30/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		84.0 %	65-135		"	"	"	"	

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	5.00	ug/kg	1	9062703	06/27/09	07/06/09	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	
Chloramben	ND	5.00	"	"	"	"	"	"	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA		69.5 %	35-150		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine  
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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-16 @ 5'**  
**T900589-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Carbon tetrachloride	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	

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Terracon - Irvine  
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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-16 @ 5'**  
**T900589-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Styrene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		77.0 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		104 %	90-135		"	"	"	"	
Surrogate: Toluene-d8		95.4 %	85-115		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	9062601	06/29/09	06/30/09	EPA 8270C	
Aniline	ND	300	"	"	"	"	"	"	
Phenol	ND	1000	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-16 @ 5'**  
**T900589-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-Methylnaphthalene	ND	300	ug/kg	1	9062601	06/29/09	06/30/09	EPA 8270C	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-16 @ 5'**  
**T900589-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

2,4-Dimethylphenol	ND	1000	ug/kg	1	9062601	06/29/09	06/30/09	EPA 8270C	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		50.1 %	14.3-83.1	"	"	"	"	"	
Surrogate: Phenol-d6		54.0 %	12-95.6	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		42.9 %	21.3-119	"	"	"	"	"	

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**B-16 @ 5'**  
**T900589-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	45.3 %	32.4-102			9062601	06/29/09	06/30/09	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	59.5 %	18.1-101			"	"	"	"	
Surrogate: Terphenyl-dl4	44.6 %	29.1-130			"	"	"	"	

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**B-16 @ 10'**  
**T900589-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062701	06/27/09	06/30/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		84.5 %	65-135		"	"	"	"	

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	5.00	ug/kg	1	9062703	06/27/09	07/06/09	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	
Chloramben	ND	5.00	"	"	"	"	"	"	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA		65.5 %	35-150		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-16 @ 10'**  
**T900589-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Carbon tetrachloride	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	

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John Shepler, Laboratory Director



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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-16 @ 10'**  
**T900589-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Styrene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.4 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		99.9 %	90-135		"	"	"	"	
Surrogate: Toluene-d8		89.6 %	85-115		"	"	"	"	

**Semivolatle Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	9062601	06/29/09	06/30/09	EPA 8270C	
Aniline	ND	300	"	"	"	"	"	"	
Phenol	ND	1000	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-16 @ 10'**  
**T900589-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-Methylnaphthalene	ND	300	ug/kg	1	9062601	06/29/09	06/30/09	EPA 8270C	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-16 @ 10'**  
**T900589-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2,4-Dimethylphenol	ND	1000	ug/kg	1	9062601	06/29/09	06/30/09	EPA 8270C	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol	42.8 %		14.3-83.1	"	"	"	"	"	
Surrogate: Phenol-d6	47.2 %		12-95.6	"	"	"	"	"	
Surrogate: Nitrobenzene-d5	41.1 %		21.3-119	"	"	"	"	"	

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	<b>Reported:</b> 07/06/09 16:51
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**B-16 @ 10'**  
**T900589-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	48.8 %	32.4-102			9062601	06/29/09	06/30/09	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	58.2 %	18.1-101			"	"	"	"	
Surrogate: Terphenyl-dl4	43.0 %	29.1-130			"	"	"	"	

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	Reported: 07/06/09 16:51
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**B-11 @ 5'**  
**T900589-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062701	06/27/09	06/30/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		106 %	65-135		"	"	"	"	

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	5.00	ug/kg	1	9062703	06/27/09	07/06/09	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	
Chloramben	ND	5.00	"	"	"	"	"	"	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA		67.1 %	35-150		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-11 @ 5'**  
**T900589-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Carbon tetrachloride	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	

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Project: Rice  
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 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-11 @ 5'**  
**T900589-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Styrene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		78.6 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		105 %	90-135		"	"	"	"	
Surrogate: Toluene-d8		84.6 %	85-115		"	"	"	"	S-GC

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	9062601	06/29/09	06/30/09	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	

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John Shepler, Laboratory Director



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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-11 @ 5'**  
**T900589-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-Methylnaphthalene	ND	300	ug/kg	1	9062601	06/29/09	06/30/09	EPA 8270C	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-11 @ 5'**  
**T900589-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

2,4-Dimethylphenol	ND	1000	ug/kg	1	9062601	06/29/09	06/30/09	EPA 8270C	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	

Surrogate: 2-Fluorophenol

47.9 % 14.3-83.1

Surrogate: Phenol-d6

49.4 % 12-95.6

Surrogate: Nitrobenzene-d5

39.5 % 21.3-119

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	<b>Reported:</b> 07/06/09 16:51
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**B-11 @ 5'**  
**T900589-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	43.4 %	32.4-102			9062601	06/29/09	06/30/09	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	57.9 %	18.1-101			"	"	"	"	
Surrogate: Terphenyl-dl4	41.4 %	29.1-130			"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-11 @ 10'**  
**T900589-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062701	06/27/09	06/30/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		104 %	65-135		"	"	"	"	

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	5.00	ug/kg	1	9062703	06/27/09	07/06/09	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	
Chloramben	ND	5.00	"	"	"	"	"	"	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA		67.5 %	35-150		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-11 @ 10'**  
**T900589-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Carbon tetrachloride	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-11 @ 10'**  
**T900589-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Styrene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		69.0 %	75.1-121		"	"	"	"	S-GC
Surrogate: Dibromofluoromethane		104 %	90-135		"	"	"	"	
Surrogate: Toluene-d8		86.4 %	85-115		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	9062601	06/29/09	06/30/09	EPA 8270C	
Aniline	ND	300	"	"	"	"	"	"	
Phenol	ND	1000	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-11 @ 10'**  
**T900589-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-Methylnaphthalene	ND	300	ug/kg	1	9062601	06/29/09	06/30/09	EPA 8270C	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-11 @ 10'**  
**T900589-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2,4-Dimethylphenol	ND	1000	ug/kg	1	9062601	06/29/09	06/30/09	EPA 8270C	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol	46.5 %		14.3-83.1		"	"	"	"	
Surrogate: Phenol-d6	48.5 %		12-95.6		"	"	"	"	
Surrogate: Nitrobenzene-d5	44.1 %		21.3-119		"	"	"	"	

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Terracon - Irvine 16662 Millikan Avenue Irvine CA, 92606	Project: Rice Project Number: 60097032 Project Manager: Anthony Wightman	<b>Reported:</b> 07/06/09 16:51
----------------------------------------------------------------	--------------------------------------------------------------------------------	------------------------------------

**B-11 @ 10'**  
**T900589-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	45.2 %	32.4-102			9062601	06/29/09	06/30/09	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	54.7 %	18.1-101			"	"	"	"	
Surrogate: Terphenyl-dl4	46.2 %	29.1-130			"	"	"	"	

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 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-14 @ 5'**  
**T900589-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062701	06/27/09	06/30/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		104 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-14 @ 5'**  
**T900589-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	

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----------------------------------------------------------------	--------------------------------------------------------------------------------	------------------------------------

**B-14 @ 5'**  
**T900589-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

o-Xylene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B
Surrogate: 4-Bromofluorobenzene	79.1 %	75.1-121	"	"	"	"	"	"
Surrogate: Dibromofluoromethane	107 %	90-135	"	"	"	"	"	"
Surrogate: Toluene-d8	87.1 %	85-115	"	"	"	"	"	"

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-14 @ 10'**  
**T900589-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015C**

C6-C12 (GRO)	ND	10	mg/kg	1	9062701	06/27/09	06/30/09	EPA 8015C	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>30</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		104 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**B-14 @ 10'**  
**T900589-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	

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**B-14 @ 10'**  
**T900589-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
o-Xylene	ND	5.0	ug/kg	1	9062615	06/26/09	06/27/09	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	70.8 %	75.1-121			"	"	"	"	S-GC
Surrogate: Dibromofluoromethane	119 %	90-135			"	"	"	"	
Surrogate: Toluene-d8	84.4 %	85-115			"	"	"	"	S-GC

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**Extractable Petroleum Hydrocarbons by 8015C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062701 - EPA 3550B GC**

**Blank (9062701-BLK1)**

Prepared: 06/27/09 Analyzed: 06/30/09

C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	105		"	100		105	65-135			

**LCS (9062701-BS1)**

Prepared: 06/27/09 Analyzed: 06/30/09

C13-C28 (DRO)	500	10	mg/kg	500	ND	100	75-125			
Surrogate: p-Terphenyl	104		"	100		104	65-135			

**Matrix Spike (9062701-MS1)**

Source: T900589-01

Prepared: 06/27/09 Analyzed: 06/30/09

C13-C28 (DRO)	410	10	mg/kg	500	ND	82.3	75-125			
Surrogate: p-Terphenyl	84.0		"	100		84.0	65-135			

**Matrix Spike Dup (9062701-MSD1)**

Source: T900589-01

Prepared: 06/27/09 Analyzed: 06/30/09

C13-C28 (DRO)	480	10	mg/kg	500	ND	95.8	75-125	15.2	20	
Surrogate: p-Terphenyl	104		"	100		104	65-135			

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----------------------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------

**Chlorinated Herbicides by EPA Method 8151A - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062703 - 8151 Prep**

**Blank (9062703-BLK1)**

Prepared: 06/27/09 Analyzed: 07/06/09

2,4,5-T	ND	5.00	ug/kg							
2,4,5-TP (Silvex)	ND	5.00	"							
2,4-D	ND	5.00	"							
2,4-DB	ND	5.00	"							
3,5-Dichlorobenzoic acid	ND	5.00	"							
4-Nitrophenol	ND	5.00	"							
Acifluorfen	ND	5.00	"							
Bentazon	ND	5.00	"							
Chloramben	ND	5.00	"							
Dalapon	ND	30.0	"							
DCPA diacid	ND	5.00	"							
Dicamba	ND	5.00	"							
Dichloroprop	ND	5.00	"							
Dinoseb	ND	5.00	"							
Pentachlorophenol	ND	5.00	"							
Picloram	ND	5.00	"							

Surrogate: 2,4-DCAA

154 " 200 77.1 35-150

**LCS (9062703-BS1)**

Prepared: 06/27/09 Analyzed: 07/06/09

2,4,5-T	63.6	5.00	ug/kg	100		63.6	20-150			
2,4,5-TP (Silvex)	68.7	5.00	"	100		68.7	20-150			
2,4-D	72.5	5.00	"	100		72.5	20-150			

Surrogate: 2,4-DCAA

150 " 200 75.1 35-150

**Matrix Spike (9062703-MS1)**

Source: T900589-05

Prepared: 06/27/09 Analyzed: 07/06/09

2,4,5-T	66.6	5.00	ug/kg	100	ND	66.6	20-150			
2,4,5-TP (Silvex)	65.5	5.00	"	100	ND	65.5	20-150			
2,4-D	66.3	5.00	"	100	ND	66.3	20-150			

Surrogate: 2,4-DCAA

156 " 200 77.9 35-150

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 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

**Reported:**  
 07/06/09 16:51

**Chlorinated Herbicides by EPA Method 8151A - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062703 - 8151 Prep**

<b>Matrix Spike Dup (9062703-MSD1)</b>	<b>Source: T900589-05</b>			<b>Prepared: 06/27/09</b>		<b>Analyzed: 07/06/09</b>				
2,4,5-T	66.9	5.00	ug/kg	100	ND	66.9	20-150	0.579	30	
2,4,5-TP (Silvex)	67.8	5.00	"	100	ND	67.8	20-150	3.35	30	
2,4-D	72.2	5.00	"	100	ND	72.2	20-150	8.57	30	
<i>Surrogate: 2,4-DCAA</i>	<i>145</i>		<i>"</i>	<i>200</i>		<i>72.6</i>	<i>35-150</i>			

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Terracon - Irvine  
 16662 Millikan Avenue  
 Irvine CA, 92606

Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062615 - EPA 5035 GCMS**

**Blank (9062615-BLK1)**

Prepared: 06/26/09 Analyzed: 06/27/09

Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	"
Bromodichloromethane	ND	5.0	"
Bromoform	ND	5.0	"
Bromomethane	ND	5.0	"
n-Butylbenzene	ND	5.0	"
sec-Butylbenzene	ND	5.0	"
tert-Butylbenzene	ND	5.0	"
Carbon tetrachloride	ND	5.0	"
Chlorobenzene	ND	5.0	"
Chloroethane	ND	5.0	"
Chloroform	ND	5.0	"
Chloromethane	ND	5.0	"
2-Chlorotoluene	ND	5.0	"
4-Chlorotoluene	ND	5.0	"
Dibromochloromethane	ND	5.0	"
1,2-Dibromo-3-chloropropane	ND	5.0	"
1,2-Dibromoethane (EDB)	ND	5.0	"
Dibromomethane	ND	5.0	"
1,2-Dichlorobenzene	ND	5.0	"
1,3-Dichlorobenzene	ND	5.0	"
1,4-Dichlorobenzene	ND	5.0	"
Dichlorodifluoromethane	ND	5.0	"
1,1-Dichloroethane	ND	5.0	"
1,2-Dichloroethane	ND	5.0	"
1,1-Dichloroethene	ND	5.0	"
cis-1,2-Dichloroethene	ND	5.0	"
trans-1,2-Dichloroethene	ND	5.0	"
1,2-Dichloropropane	ND	5.0	"
1,3-Dichloropropane	ND	5.0	"
2,2-Dichloropropane	ND	5.0	"
1,1-Dichloropropene	ND	5.0	"
cis-1,3-Dichloropropene	ND	5.0	"
trans-1,3-Dichloropropene	ND	5.0	"
Hexachlorobutadiene	ND	5.0	"
Isopropylbenzene	ND	5.0	"

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062615 - EPA 5035 GCMS**

**Blank (9062615-BLK1)**

Prepared: 06/26/09 Analyzed: 06/27/09

p-Isopropyltoluene	ND	5.0	ug/kg							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Surrogate: 4-Bromofluorobenzene	36.9		"	40.0		92.2	75.1-121			
Surrogate: Dibromofluoromethane	42.8		"	40.0		107	90-135			
Surrogate: Toluene-d8	41.0		"	40.0		102	85-115			

**LCS (9062615-BS1)**

Prepared: 06/26/09 Analyzed: 06/27/09

Chlorobenzene	101	5.0	ug/kg	100		101	75-125			
1,1-Dichloroethene	111	5.0	"	100		111	75-125			
Trichloroethene	97.0	5.0	"	100		97.0	75-125			
Benzene	108	5.0	"	100		108	75-125			
Toluene	104	5.0	"	100		104	75-125			
Surrogate: 4-Bromofluorobenzene	39.7		"	40.0		99.2	75.1-121			
Surrogate: Dibromofluoromethane	44.6		"	40.0		112	90-135			
Surrogate: Toluene-d8	42.0		"	40.0		105	85-115			

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062615 - EPA 5035 GCMS**

**LCS Dup (9062615-BSD1)**

Prepared: 06/26/09 Analyzed: 06/27/09

Chlorobenzene	106	5.0	ug/kg	100	106	75-125	4.63	20		
1,1-Dichloroethene	118	5.0	"	100	118	75-125	5.58	20		
Trichloroethene	97.2	5.0	"	100	97.2	75-125	0.103	20		
Benzene	108	5.0	"	100	108	75-125	0.139	20		
Toluene	108	5.0	"	100	108	75-125	3.66	20		
Surrogate: 4-Bromofluorobenzene	46.4		"	40.0	116	75.1-121				
Surrogate: Dibromofluoromethane	42.6		"	40.0	106	90-135				
Surrogate: Toluene-d8	43.6		"	40.0	109	85-115				

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062601 - EPA 3550 ECD/GCMS**

**Blank (9062601-BLK1)**

Prepared: 06/26/09 Analyzed: 06/30/09

Carbazole	ND	300	ug/kg							
Phenol	ND	1000	"							
Aniline	ND	300	"							
2-Chlorophenol	ND	1000	"							
1,4-Dichlorobenzene	ND	300	"							
N-Nitrosodi-n-propylamine	ND	300	"							
1,2,4-Trichlorobenzene	ND	300	"							
4-Chloro-3-methylphenol	ND	1000	"							
1-Methylnaphthalene	ND	300	"							
2-Methylnaphthalene	ND	300	"							
Acenaphthene	ND	300	"							
4-Nitrophenol	ND	1000	"							
2,4-Dinitrotoluene	ND	300	"							
Pentachlorophenol	ND	1000	"							
Pyrene	ND	300	"							
Acenaphthylene	ND	300	"							
Anthracene	ND	300	"							
Benzo (a) anthracene	ND	300	"							
Benzo (b) fluoranthene	ND	300	"							
Benzo (k) fluoranthene	ND	300	"							
Benzo (g,h,i) perylene	ND	1000	"							
Benzo (a) pyrene	ND	300	"							
Benzyl alcohol	ND	300	"							
Bis(2-chloroethoxy)methane	ND	300	"							
Bis(2-chloroethyl)ether	ND	300	"							
Bis(2-chloroisopropyl)ether	ND	300	"							
Bis(2-ethylhexyl)phthalate	ND	300	"							
4-Bromophenyl phenyl ether	ND	300	"							
Butyl benzyl phthalate	ND	300	"							
4-Chloroaniline	ND	300	"							
2-Chloronaphthalene	ND	300	"							
4-Chlorophenyl phenyl ether	ND	300	"							
Chrysene	ND	300	"							
Dibenz (a,h) anthracene	ND	300	"							
Dibenzofuran	ND	300	"							
Di-n-butyl phthalate	ND	300	"							

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062601 - EPA 3550 ECD/GCMS**

**Blank (9062601-BLK1)**

Prepared: 06/26/09 Analyzed: 06/30/09

1,2-Dichlorobenzene	ND	300	ug/kg							
1,3-Dichlorobenzene	ND	300	"							
2,4-Dichlorophenol	ND	1000	"							
Diethyl phthalate	ND	300	"							
2,4-Dimethylphenol	ND	1000	"							
Dimethyl phthalate	ND	300	"							
4,6-Dinitro-2-methylphenol	ND	1000	"							
2,4-Dinitrophenol	ND	1000	"							
2,6-Dinitrotoluene	ND	1000	"							
Di-n-octyl phthalate	ND	300	"							
Fluoranthene	ND	300	"							
Fluorene	ND	300	"							
Hexachlorobenzene	ND	1500	"							
Hexachlorobutadiene	ND	300	"							
Hexachlorocyclopentadiene	ND	1000	"							
Hexachloroethane	ND	300	"							
Indeno (1,2,3-cd) pyrene	ND	300	"							
Isophorone	ND	300	"							
2-Methylphenol	ND	1000	"							
4-Methylphenol	ND	1000	"							
Naphthalene	ND	300	"							
2-Nitroaniline	ND	300	"							
3-Nitroaniline	ND	300	"							
4-Nitroaniline	ND	300	"							
Nitrobenzene	ND	1000	"							
2-Nitrophenol	ND	1000	"							
N-Nitrosodimethylamine	ND	300	"							
N-Nitrosodiphenylamine	ND	300	"							
2,3,5,6-Tetrachlorophenol	ND	300	"							
2,3,4,6-Tetrachlorophenol	ND	300	"							
Phenanthrene	ND	300	"							
2,4,5-Trichlorophenol	ND	1000	"							
2,4,6-Trichlorophenol	ND	1000	"							
Surrogate: 2-Fluorophenol	821		"	1670		49.3	14.3-83.1			
Surrogate: Phenol-d6	873		"	1670		52.4	12-95.6			

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062601 - EPA 3550 ECD/GCMS**

**Blank (9062601-BLK1)**

Prepared: 06/26/09 Analyzed: 06/30/09

Surrogate: Nitrobenzene-d5	747		ug/kg	1670		44.8	21.3-119			
Surrogate: 2-Fluorobiphenyl	820		"	1670		49.2	32.4-102			
Surrogate: 2,4,6-Tribromophenol	993		"	1670		59.6	18.1-101			
Surrogate: Terphenyl-d14	754		"	1670		45.2	29.1-130			

**LCS (9062601-BS1)**

Prepared: 06/26/09 Analyzed: 06/30/09

Phenol	1180	1000	ug/kg	1670		71.1	25.9-102			
2-Chlorophenol	1160	1000	"	1670		69.3	37.1-110			
1,4-Dichlorobenzene	1000	300	"	1670		60.0	36-97			
N-Nitrosodi-n-propylamine	1160	300	"	1670		69.3	30.8-81.8			
1,2,4-Trichlorobenzene	1170	300	"	1670		70.2	39-98			
4-Chloro-3-methylphenol	1280	1000	"	1670		77.1	33.1-109			
Acenaphthene	1220	300	"	1670		73.0	38.9-79.4			
4-Nitrophenol	1040	1000	"	1670		62.6	14-103			
2,4-Dinitrotoluene	891	300	"	1670		53.5	24-96			
Pentachlorophenol	1030	1000	"	1670		61.7	8.05-120			
Pyrene	1330	300	"	1670		79.6	25-85.2			
Surrogate: 2-Fluorophenol	1040		"	1670		62.4	14.3-83.1			
Surrogate: Phenol-d6	1090		"	1670		65.4	12-95.6			
Surrogate: Nitrobenzene-d5	880		"	1670		52.8	21.3-119			
Surrogate: 2-Fluorobiphenyl	916		"	1670		55.0	32.4-102			
Surrogate: 2,4,6-Tribromophenol	1160		"	1670		69.3	18.1-101			
Surrogate: Terphenyl-d14	797		"	1670		47.8	29.1-130			

**Matrix Spike (9062601-MS1)**

Source: T900586-03

Prepared: 06/26/09 Analyzed: 07/01/09

Phenol	1160	1000	ug/kg	1670	ND	69.7	24.4-110			
2-Chlorophenol	963	1000	"	1670	ND	57.8	34.7-112			
1,4-Dichlorobenzene	872	300	"	1670	ND	52.3	36-97			
N-Nitrosodi-n-propylamine	1050	300	"	1670	ND	62.9	34.9-71.8			
1,2,4-Trichlorobenzene	1100	300	"	1670	ND	65.9	30.5-84			
4-Chloro-3-methylphenol	1260	1000	"	1670	ND	75.7	25.1-111			
Acenaphthene	1170	300	"	1670	ND	70.3	33.8-76.1			
4-Nitrophenol	795	1000	"	1670	ND	47.7	9.07-113			
2,4-Dinitrotoluene	915	300	"	1670	ND	54.9	11.2-71.8			
Pentachlorophenol	961	1000	"	1670	ND	57.7	9-103			
Pyrene	1420	300	"	1670	ND	85.1	24.5-100			

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Project: Rice  
 Project Number: 60097032  
 Project Manager: Anthony Wightman

Reported:  
 07/06/09 16:51

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 9062601 - EPA 3550 ECD/GCMS**

**Matrix Spike (9062601-MS1)**

Source: T900586-03

Prepared: 06/26/09 Analyzed: 07/01/09

Surrogate: 2-Fluorophenol	921		ug/kg	1670		55.2	14.3-83.1			
Surrogate: Phenol-d6	992		"	1670		59.5	12-95.6			
Surrogate: Nitrobenzene-d5	808		"	1670		48.5	21.3-119			
Surrogate: 2-Fluorobiphenyl	859		"	1670		51.5	32.4-102			
Surrogate: 2,4,6-Tribromophenol	1120		"	1670		67.4	18.1-101			
Surrogate: Terphenyl-dl4	840		"	1670		50.4	29.1-130			

**Matrix Spike Dup (9062601-MSD1)**

Source: T900586-03

Prepared: 06/26/09 Analyzed: 07/01/09

Phenol	699	1000	ug/kg	1670	ND	42.0	24.4-110	49.7	42	QR-03
2-Chlorophenol	701	1000	"	1670	ND	42.1	34.7-112	31.5	40	
1,4-Dichlorobenzene	690	300	"	1670	ND	41.4	36-97	23.4	28	
N-Nitrosodi-n-propylamine	813	300	"	1670	ND	48.8	34.9-71.8	25.3	38	
1,2,4-Trichlorobenzene	879	300	"	1670	ND	52.7	30.5-84	22.2	28	
4-Chloro-3-methylphenol	972	1000	"	1670	ND	58.3	25.1-111	25.9	42	
Acenaphthene	970	300	"	1670	ND	58.2	33.8-76.1	18.9	31	
4-Nitrophenol	500	1000	"	1670	ND	30.0	9.07-113	45.5	50	
2,4-Dinitrotoluene	753	300	"	1670	ND	45.2	11.2-71.8	19.4	38	
Pentachlorophenol	687	1000	"	1670	ND	41.2	9-103	33.3	50	
Pyrene	1200	300	"	1670	ND	72.0	24.5-100	16.6	31	
Surrogate: 2-Fluorophenol	571		"	1670		34.3	14.3-83.1			
Surrogate: Phenol-d6	674		"	1670		40.4	12-95.6			
Surrogate: Nitrobenzene-d5	636		"	1670		38.2	21.3-119			
Surrogate: 2-Fluorobiphenyl	699		"	1670		41.9	32.4-102			
Surrogate: 2,4,6-Tribromophenol	911		"	1670		54.6	18.1-101			
Surrogate: Terphenyl-dl4	710		"	1670		42.6	29.1-130			

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Irvine CA, 92606

Project: Rice  
Project Number: 60097032  
Project Manager: Anthony Wightman

**Reported:**  
07/06/09 16:51

### Notes and Definitions

- S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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# Chain of Custody Record

SunStar Laboratories, Inc.  
 3002 Dow Ave, Suite 212  
 Tustin, CA 92780  
 714-505-4010

Client: TERRACON Date: 06/26/09 Page: 1 Of 1  
 Address: 16662 MICHIGAN AVE, IRVINE 92606  
 Phone: 949-660-9718 Fax: 949-660-9732 Project Name: RICE  
 Project Manager: ANTHONY WIGHTMAN Collector: TAN/MAR Client Project #: 60097032  
TAN@GHTMANENTERPRISES.COM Batch #: 7900589 **COC 81769**

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	8015M (TPH-CC)	8151 (CHLORINATED HYDROCARBONS)	Laboratory ID #	Comments/Preservative	Total # of containers
B-19 @ 5'	06/25/09	1345	SOIL	SOIL CORE TUBES	X								X		01		h
B-19 @ 10'		1355			X								X		02		h
B-16 @ 5'		1440			X		X						X		03		h
B-16 @ 10'		1450			X		X						X		04		h
B-11 @ 5'		1525			X		X						X		05		h
B-11 @ 10'		1535			X		X						X		06		h
B-14 @ 5'		1610			X								X		07		h
B-14 @ 10'		1620			X								X		08		h
<b>TAN</b>																	
Relinquished by: (signature) <u>T.A. Wightman</u> Date / Time <u>06/26/09 1045</u> Received by: (signature) <u>[Signature]</u> Date / Time <u>6/26/09 1048</u> Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____ Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____																	
Total # of containers: <u>32</u> Chain of Custody seals Y/N/A: <u>N</u> Seals intact? Y/N/A: <u>Y</u> Received good condition/cold: <u>6.6</u> Turn around time: <u>STANDARD</u>																	

Sample disposal instructions: Disposal @ \$2.00 each \_\_\_\_\_ Return to client \_\_\_\_\_ Pickup \_\_\_\_\_

***APPENDIX B***

***Soil Boring Logs – B-01 through B-21; B-24***

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# LOG OF BORING NO. B-01

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
	POORLY GRADED SAND - brown, dry, loose, fine gravel, weak cementation.  - medium dense	1	SP		SPT	17				
	- moderately cemented	2								
	- very dense, moderately to strongly cemented with caliche.	3	SP		SPT	88/9"				
	-Boring terminated at 16.5 feet bgs. -No groundwater encountered. -Hole backfilled with cuttings. -No staining or odors observed during drilling.	4								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL	<input type="checkbox"/> None <span style="float: right;">▼</span>
WL	<input type="checkbox"/> <span style="float: right;">▼</span>
BORING LOCATION	
See Boring Location Plan	



BORING STARTED	6-24-09
BORING COMPLETED	6-24-09
RIG CME-75	Logged by: TAW
JOB # 60095017	PLATE A-1

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

# LOG OF BORING NO. B-02

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
	POORLY GRADED SAND - brown, dry, dense, fine gravel composed of sub-rounded granitic material.  - dense.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	SP		SPT	49				
	- red gray, very dense, increasing fine gravel, moderately to strongly cemented with caliche visible in white bands and very hard nodules. -Boring terminated at 16.0 feet bgs. -No groundwater encountered. -Hole backfilled with cuttings. -No staining or odors observed during drilling.		SP		SPT	50/4"				

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL	None
WL	
BORING LOCATION	
See Boring Location Plan	



BORING STARTED	6-24-09
BORING COMPLETED	6-24-09
RIG CME-75	Logged by: TAW
JOB # 60095017	PLATE A-2

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

# LOG OF BORING NO. B-03

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
	POORLY GRADED GRAVEL - brown, dry, loose, fine to coarse sub-rounded gravel consisting of granitic material. SILTY SAND - brown, dry, loose, fines to coarse sand.  - light brown, medium dense, some fine sub-rounded gravel consisting of granitic material.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	SM		SPT	28				
	- very dense, with some fine sub-rounded gravel consisting of granitic materials.		SM		SPT	50/5"				
	-Boring terminated at 15.5 feet bgs. -No groundwater encountered. -Hole backfilled with cuttings. -No staining or odors observed during drilling.									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL	None
WL	
BORING LOCATION	
See Boring Location Plan	



BORING STARTED	6-24-09
BORING COMPLETED	6-24-09
RIG CME-75	Logged by: TAW
JOB # 60095017	PLATE <b>A-3</b>

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

# LOG OF BORING NO. B-04

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
	POORLY GRADED GRAVEL - brown, dry, loose, fine to coarse sub-rounded gravel consisting of granitic material.	1								
	POORLY GRADED SAND - brown, dry, medium dense, fine to coarse sand with weak cementation.	2								
	POORLY GRADED SAND - brown, dry, medium dense, fine to coarse sand with weak cementation.	3								
	POORLY GRADED SAND - brown, dry, medium dense, fine to coarse sand with weak cementation.	4								
	POORLY GRADED SAND - brown, dry, medium dense, fine to coarse sand with weak cementation.	5	SP							
	POORLY GRADED SAND - brown, dry, medium dense, fine to coarse sand with weak cementation.	6		SPT		18				
	POORLY GRADED SAND - brown, dry, medium dense, fine to coarse sand with weak cementation.	7								
	POORLY GRADED SAND - brown, dry, medium dense, fine to coarse sand with weak cementation.	8								
	POORLY GRADED SAND - brown, dry, medium dense, fine to coarse sand with weak cementation.	9								
	POORLY GRADED SAND - brown, dry, medium dense, fine to coarse sand with weak cementation.	10								
	SILTY SAND - red gray, dry, very dense, fine to coarse sand with some fine gravel consisting of granitic material, strongly cemented.	11								
	SILTY SAND - red gray, dry, very dense, fine to coarse sand with some fine gravel consisting of granitic material, strongly cemented.	12								
	SILTY SAND - red gray, dry, very dense, fine to coarse sand with some fine gravel consisting of granitic material, strongly cemented.	13								
	SILTY SAND - red gray, dry, very dense, fine to coarse sand with some fine gravel consisting of granitic material, strongly cemented.	14								
	SILTY SAND - red gray, dry, very dense, fine to coarse sand with some fine gravel consisting of granitic material, strongly cemented.	15	SM							
	SILTY SAND - red gray, dry, very dense, fine to coarse sand with some fine gravel consisting of granitic material, strongly cemented.	16		SPT		50/4"				
-Boring terminated at 15.5 feet bgs. -No groundwater encountered. -Hole backfilled with cuttings. -No staining or odors observed during drilling.										

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL	None
WL	
BORING LOCATION	
See Boring Location Plan	

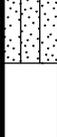


BORING STARTED	6-24-09
BORING COMPLETED	6-24-09
RIG CME-75	Logged by: TAW
JOB # 60095017	PLATE A-4

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

# LOG OF BORING NO. B-05

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
	POORLY GRADED GRAVEL - brown, dry, loose, fine to coarse sub-rounded gravel consisting of granitic material.	1								
	POORLY GRADED SAND - brown, dry, very dense, fine to fine sub-rounded gravel consisting of granitic material, weakly cemented.	2								
	POORLY GRADED SAND - brown, dry, very dense, fine to fine sub-rounded gravel consisting of granitic material, weakly cemented.	3								
	POORLY GRADED SAND - brown, dry, very dense, fine to fine sub-rounded gravel consisting of granitic material, weakly cemented.	4								
	POORLY GRADED SAND - brown, dry, very dense, fine to fine sub-rounded gravel consisting of granitic material, weakly cemented.	5	SP							
	POORLY GRADED SAND - brown, dry, very dense, fine to fine sub-rounded gravel consisting of granitic material, weakly cemented.	6		SPT		51				
	SILTY SAND - light brown, dry, very dense, fine to coarse sand with some fine sub-rounded gravel, strongly cemented.	7								
	SILTY SAND - light brown, dry, very dense, fine to coarse sand with some fine sub-rounded gravel, strongly cemented.	8								
	SILTY SAND - light brown, dry, very dense, fine to coarse sand with some fine sub-rounded gravel, strongly cemented.	9								
	SILTY SAND - light brown, dry, very dense, fine to coarse sand with some fine sub-rounded gravel, strongly cemented.	10								
	SILTY SAND - light brown, dry, very dense, fine to coarse sand with some fine sub-rounded gravel, strongly cemented.	11								
	SILTY SAND - light brown, dry, very dense, fine to coarse sand with some fine sub-rounded gravel, strongly cemented.	12								
	SILTY SAND - light brown, dry, very dense, fine to coarse sand with some fine sub-rounded gravel, strongly cemented.	13								
	SILTY SAND - light brown, dry, very dense, fine to coarse sand with some fine sub-rounded gravel, strongly cemented.	14								
	SILTY SAND - light brown, dry, very dense, fine to coarse sand with some fine sub-rounded gravel, strongly cemented.	15	SM							
	SILTY SAND - light brown, dry, very dense, fine to coarse sand with some fine sub-rounded gravel, strongly cemented.	16		SPT		50/4"				
-Boring terminated at 16.0 feet bgs. -No groundwater encountered. -Hole backfilled with cuttings. -No staining or odors observed during drilling.										

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL  None	
WL	
BORING LOCATION See Boring Location Plan	



BORING STARTED	6-24-09
BORING COMPLETED	6-24-09
RIG CME-75	Logged by: TAW
JOB # 60095017	PLATE A-5

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

# LOG OF BORING NO. B-06

<b>CLIENT</b> <p style="text-align: center;"><b>SolarReserve</b></p>	<b>SITE</b> <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
<b>ELEVATION</b>	<b>PROJECT</b> <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
[Dotted pattern]	SILTY SAND - light brown, dry, loose, with fine gravel consisting of completely decomposed granite with angular quartz and feldspar with some subrounded basaltic material.	1	SM	X	BS					
[Dotted pattern]	POORLY GRADED SAND - light brown, dry, dense, fines to fine gravel, fine gravel consists of completely decomposed granite with angular quartz and feldspar, weakly cemented with caliche and visible by bands of white staining.	3	SP	X	RS		50	2	118	
[Dotted pattern]	WELL GRADED SAND - brown, dry, dense, little fines with an even mixture of fine sand to coarse sand with some fine gravel, weakly cemented with caliche.	5	SW	X	RS		50	2	123	
[Dotted pattern]	POORLY GRADED SAND - red gray, dry, dense, fine sand to coarse sand with some fine gravel, weakly cemented with caliche.	8	SP	X	RS		48	2	112	
[Dotted pattern]	SILTY SAND - brown, dry, very dense, fines to coarse sand, moderately to strongly cemented with caliche with gravel-sized caliche nodules.	10	SM	X	RS		87/11"	4	118	
[Dotted pattern]	- no recovery.	20	SM	X	RS		50/5"			
[Dotted pattern]		25	SM	X	SPT		50/3"			
[Dotted pattern]		30	SM	X	RS		85/11"	5	108	

**Continued Next Page**

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

<b>WATER LEVEL OBSERVATIONS, ft</b>	
WL  None	
WL	
<b>BORING LOCATION</b> See Boring Location Plan	



<b>BORING STARTED</b>		6-24-09
<b>BORING COMPLETED</b>		6-24-09
<b>RIG</b>	CME-75	<b>Logged by:</b> MAR
<b>JOB #</b>	60095017	<b>PLATE</b> <b>A-6a</b>

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

## LOG OF BORING NO. B-06

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
------------------------------------------------------------------	---------------------------------------------------------------------------------------------

ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>
-----------	--------------------------------------------------------------------------------

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	GRAPHICS	TYPE	SAMPLES			TESTS		
						RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf	LABORATORY TESTS
	Total depth of 31.5 feet. No groundwater encountered. Backfilled with soil cuttings.										

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft							
WL	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">∇</td> <td style="width: 70%;">None</td> <td style="width: 20%; text-align: center;">∇</td> </tr> <tr> <td style="text-align: center;">∇</td> <td></td> <td style="text-align: center;">∇</td> </tr> </table>	∇	None	∇	∇		∇
∇	None	∇					
∇		∇					
BORING LOCATION <small style="margin-left: 20px;">See Boring Location Plan</small>							



BORING STARTED	6-24-09
BORING COMPLETED	6-24-09
RIG CME-75	Logged by: MAR
JOB # 60095017	PLATE <b>A-6b</b>

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

# LOG OF BORING NO. B-07

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
	POORLY GRADED SAND - brown, dry, loose, fine to coarse grained sand, some fine gravel consisting of completely decomposed granite.	1	SP		BS					
	SILTY SAND - light brown, dry, loose, fine to coarse grained sand.	3	SM		RS		9	1	117	
	POORLY GRADED SAND - brown, dry, loose, fine to coarse grained sand with some fine gravel.  - medium dense.	6	SP		RS		6	1	112	
		8	SP		RS		13	2	109	
	SILTY SAND - light brown, dry, medium dense, fine to coarse grained sand, weakly cemented with caliche.  - very dense.	11	SM		RS		34	3	109	
		15	SM		RS		50/5"	3	108	
		20	SM		RS		50/4"	4	102	
		25	SM		SPT		50/3"			
		30	SM		RS		50/5"	5	107	

**Continued Next Page**

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
\*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL	None
WL	
BORING LOCATION See Boring Location Plan	



BORING STARTED	6-24-09
BORING COMPLETED	6-24-09
RIG CME-75	Logged by: MAR
JOB # 60095017	PLATE <b>A-7a</b>

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

## LOG OF BORING NO. B-07

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	GRAPHICS	TYPE	SAMPLES			TESTS			
						RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf	LABORATORY TESTS	
	Boring terminated at 31 feet bgs. No groundwater encountered. Hole backfilled with cuttings.											

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL	▾ None ▾
WL	▾ ▾
BORING LOCATION See Boring Location Plan	



BORING STARTED	6-24-09
BORING COMPLETED	6-24-09
RIG CME-75	Logged by: MAR
JOB # 60095017	PLATE <b>A-7b</b>

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

# LOG OF BORING NO. B-08

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
	ASPHALT - from former pavement, severely weathered and eroded.	1								
	POORLY GRADED SAND - brown, dry, loose, fine to coarse grained sand, some gravel, weakly cemented.	2	SP							
		3		SPT		13				
		4								
		5								
		6								
		7								
		8								
		9								
		10	SP							
	- very dense, strongly cemented with caliche.	11		SPT		50/5"				
	-Boring terminated at 10.5 feet bgs. -No groundwater encountered. -Hole backfilled with cuttings. -No staining or odors observed during drilling.									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL  None	
WL 	
BORING LOCATION See Boring Location Plan	



BORING STARTED	6-24-09
BORING COMPLETED	6-24-09
RIG CME-75	Logged by: TAW
JOB # 60095017	PLATE <b>A-8</b>

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

## LOG OF BORING NO. B-09

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
	POORLY GRADED GRAVEL - brown, dry, loose, fine to coarse sub-rounded gravel consisting of granitic material.	1								
	POORLY GRADED SAND - light brown, dry, medium dense, trace fines with fine sand to coarse sand and some fine sub-rounded gravel consisting of granitic material.	2	SP	SPT		13				
	SILTY SAND - light brown, dry, very dense, fine to coarse sand, strongly cemented with caliche.	3								
		4								
		5								
		6								
		7								
		8								
		9								
		10	SM	SPT		50/4"				
	-Boring terminated at 11.0 feet bgs. -No groundwater encountered. -Hole backfilled with cuttings. -No staining or odors observed during drilling.	11								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL  None	
WL 	
BORING LOCATION See Boring Location Plan	



BORING STARTED	6-24-09
BORING COMPLETED	6-24-09
RIG CME-75	Logged by: TAW
JOB # 60095017	PLATE <b>A-9</b>

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

# LOG OF BORING NO. B-10

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
	SILTY SAND - brown, dry, loose, fine to coarse grained sand, some fine gravel.	1	SM		BS					
	POORLY GRADED SAND - brown, dry, very dense, fine to coarse grained sand. Cemented with caliche.	3	SP		RS		68/11"	3	119	
	WELL GRADED SAND with SILT - brown, dry, dense, fine to coarse grained sand with some fine gravel, strongly cemented with caliche.	6	SW SM		RS		78/10"	2	117	
	POORLY GRADED SAND - brown, dry, very dense, fine sand to fine gravel.	8	SP		RS		81	2	122	
	SILTY SAND - brown, dry, very dense, fine to coarse sand, moderately to strongly cemented with caliche.	10	SM		RS		78	2	121	
		15	SM		RS		50/4"			
		20	SM		RS		50/3"			
		26	SM		SPT		50/5"			
		30	SM		RS		50/3"	2	115	

**Continued Next Page**

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL	None
WL	
BORING LOCATION See Boring Location Plan	



BORING STARTED	6-25-09
BORING COMPLETED	6-25-09
RIG CME-75	Logged by: MAR
JOB # 60095017	PLATE A-10a

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

## LOG OF BORING NO. B-10

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
------------------------------------------------------------------	---------------------------------------------------------------------------------------------

ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>
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GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	GRAPHICS	TYPE	SAMPLES			TESTS			
						RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf	LABORATORY TESTS	
	Boring terminated at 31 feet bgs. No groundwater encountered. Hole backfilled with cuttings.											

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft		
WL	<input type="checkbox"/> None	<input type="checkbox"/>
WL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
BORING LOCATION See Boring Location Plan		



BORING STARTED	6-25-09
BORING COMPLETED	6-25-09
RIG CME-75	Logged by: MAR
JOB # 60095017	PLATE <b>A-10b</b>

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

## LOG OF BORING NO. B-11

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
	SILTY SAND - brown, damp, very dense, fine to coarse grained sand, some fine gravel.  - very dense, no recovery.	1 2 3 4 5 6	SM		SPT	85/11"				
	Boring terminated at 6.5 feet bgs. No groundwater encountered. Hole backfilled with cuttings.									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL	▾ None ▾
WL	▾ ▾
BORING LOCATION	
See Boring Location Plan	



BORING STARTED	6-25-09
BORING COMPLETED	6-25-09
RIG CME-75	Logged by: TAW
JOB # 60095017	PLATE A-11

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

## LOG OF TEST PIT NO. B-12

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
	POORLY GRADED SAND - brown, damp, fine grained sand. - moderately to strongly cemented.	1 2	SP		BS					
	POORLY GRADED GRAVEL - brown, damp, with granitic and basaltic cobbles.	3 4								
	SILTY SAND - brown to red brown, damp, hard, medium to coarse grained sand, some fine gravel, increasing caliche.	5 6 7 8 9	SM		BS		1			
		10	SM		BS					
	Total depth of 10 feet. No groundwater encountered. Backfilled with soil cuttings.									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL  None	
WL 	
BORING LOCATION See Boring Location Plan	



BORING STARTED	6-23-09
BORING COMPLETED	6-23-09
RIG CME-75	Logged by: MAR
JOB # 60095017	PLATE A-12

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

# LOG OF BORING NO. B-13

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
	<p>POORLY GRADED GRAVEL - brown, dry, loose, fine to coarse sub-rounded gravel consisting of granitic material.</p> <p>POORLY GRADED SAND - brown, dry, medium dense, fine to coarse grained sand, some fine sub-rounded gravel, weak cementation with caliche.</p> <p style="text-align: center;">- red gray, very dense, fine sand to coarse sand, strongly cemented with caliche.</p>	1 2 3 4 5 6 7 8 9 10 11	SP           SP		SPT           SPT	12           50/4"				
	<ul style="list-style-type: none"> <li>-Boring terminated at 11 feet bgs.</li> <li>-No groundwater encountered.</li> <li>-Hole backfilled with cuttings.</li> <li>-No staining or odors observed during drilling.</li> </ul>									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL  None	
WL	
BORING LOCATION See Boring Location Plan	



BORING STARTED	6-24-09
BORING COMPLETED	6-24-09
RIG CME-75	Logged by: TAW
JOB # 60095017	PLATE <b>A-13</b>

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

## LOG OF BORING NO. B-14

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	GRAPHICS	TYPE	RECOVERY, in.	SAMPLES			TESTS		
							PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf	LABORATORY TESTS	
	POORLY GRADED SAND - yellow brown, damp, dense, fine to coarse grained sand.	1										
		2										
		3										
		4										
	- dense, no recovery	5		SP								
		6				SPT		43				
		7										
		8										
		9										
	- very dense, no recovery	10		SP								
		11				SPT		50/3"				
Boring terminated at 10.5 feet bgs. No groundwater encountered. Hole backfilled with cuttings.												

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

**WATER LEVEL OBSERVATIONS, ft**

WL	▼	None	▼
WL	▼		▼

BORING LOCATION See Boring Location Plan



BORING STARTED	6-25-09
BORING COMPLETED	6-25-09
RIG CME-75	Logged by: TAW
JOB # 60095017	PLATE A-14

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

# LOG OF BORING NO. B-15

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS				
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf	LABORATORY TESTS	
	<p>POORLY GRADED SAND - brown, dry, loose, fines to coarse grained sand, some fine gravel, some completely decomposed granite.</p> <p>- very dense, decreasing fine gravels and increasing fine sand, moderately to strongly cemented with caliche with very hard caliche nodules.</p> <p>- some fine gravel consisting of angular quartz.</p> <p>- light brown, damp, moderately to strongly cemented, stained with white bands of caliche.</p> <p>- brown, dry, fine to coarse grained sand, moderately to strongly cemented with caliche nodules.</p>	1	SP	X	BS							
		2										
		3	SP	X	RS		73	3	124			
		4										
		5	SP	X	RS		81	6	120			
		6										
		7										
		8	SP	X	RS		93/7"	6	110			
		9										
		10	SP	X	RS		50/4"					
		11										
		12										
		13										
		14										
		15	SP	X	RS		96/10"	5	121			
		16										
		17										
		18										
		19										
		20	SP	X	RS		50/3"					
		21										
		22										
		23										
		24										
		25	SP	X	SPT		50/2"	3				
		26										
		27										
		28										
		29										
		30	SP	X	RS		50/2"					
		31										

**Continued Next Page**

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL	None
WL	None
BORING LOCATION See Boring Location Plan	



BORING STARTED	6-23-09
BORING COMPLETED	6-23-09
RIG CME-75	Logged by: MAR
JOB # 60095017	PLATE A-15a

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

## LOG OF BORING NO. B-15

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	GRAPHICS	TYPE	SAMPLES			TESTS			
						RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf	LABORATORY TESTS	
	Boring terminated at 30.5 feet bgs. No groundwater encountered. Hole backfilled with cuttings.											

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft							
WL	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">▼</td> <td style="width: 70%;">None</td> <td style="width: 20%; text-align: center;">▼</td> </tr> <tr> <td style="text-align: center;">▼</td> <td></td> <td style="text-align: center;">▼</td> </tr> </table>	▼	None	▼	▼		▼
▼	None	▼					
▼		▼					
BORING LOCATION <small>See Boring Location Plan</small>							



BORING STARTED	6-23-09
BORING COMPLETED	6-23-09
RIG CME-75	Logged by: MAR
JOB # 60095017	PLATE <b>A-15b</b>

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

## LOG OF BORING NO. B-16

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
	SILTY SAND - light brown, damp, fine to coarse grained, some fine to coarse gravel.  - very dense, no recovery.  - no recovery.	1 2 3 4 5 6 7 8 9 10 11	SM		SPT	50/5"				
	Boring terminated at 10.5 feet bgs. No groundwater encountered. Hole backfilled with cuttings.									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

**WATER LEVEL OBSERVATIONS, ft**

WL	<input type="checkbox"/> None	<input type="checkbox"/>
WL	<input type="checkbox"/>	<input type="checkbox"/>

BORING LOCATION  
 See Boring Location Plan



BORING STARTED	6-25-09
BORING COMPLETED	6-25-09
RIG CME-75	Logged by: TAW
JOB # 60095017	PLATE A-16

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

## LOG OF BORING NO. B-17

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
1	POORLY GRADED GRAVEL - brown, dry, loose, fine to coarse sub-rounded gravel consisting of granitic material.  SILTY SAND - light brown, dry, very dense, fine to coarse grained sand, some fine sub-rounded gravel.  - very dense, strongly cemented with caliche.	1								
2										
3										
4										
5		SM								
6			SPT		89/11"					
7										
8										
9										
10		SM								
11			SPT		50/5"					
-Boring terminated at 10.5 feet bgs. -No groundwater encountered. -Hole backfilled with cuttings.										

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

**WATER LEVEL OBSERVATIONS, ft**

WL	▽ None		
WL	▽		

BORING LOCATION  
 See Boring Location Plan



BORING STARTED	6-23-09
BORING COMPLETED	6-23-09
RIG CME-75	Logged by: TAW
JOB # 60095017	PLATE A-17

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

# LOG OF BORING NO. B-18

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS			
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf	LABORATORY TESTS
	SILTY SAND - brown, dry, loose, fine to coarse grained sand, some fine gravel.  - red gray, very dense, bands of soft yellow brown caliche.  - light brown, dry, very dense, fine to coarse grained sand, moderately to strongly cemented with caliche with nodules.  - red gray, dry, very dense, fine to coarse grained sand.  - very dense, fine to coarse grained sand, moderately to strongly cemented with caliche.	1	SM	X	BS						
	2										
	3	SM	X	RS	93/9"	4	108				
	4										
	5	SM	X	RS	50/5"	4	100				
	6										
	7										
	8	SM	X	RS	78/10"	5	103				
	9										
	10	SM	X	RS	50/6"	5	104				
	11										
	12										
	13										
	14										
	15	SM	X	RS	55/6"	3					
16											
17											
18											
19											
20	SM	X	RS	50/5"	3						
21											
22											
23											
24											
25	SM	X	SPT	92/11"							
26											
27											
28											
29											
30	SM	X	RS	50/1"							
31											

**Continued Next Page**

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL	None
WL	None
BORING LOCATION See Boring Location Plan	



BORING STARTED	6-23-09
BORING COMPLETED	6-23-09
RIG CME-75	Logged by: MAR
JOB # 60095017	PLATE A-18a

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

## LOG OF BORING NO. B-18

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	GRAPHICS	TYPE	SAMPLES			TESTS			
						RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf	LABORATORY TESTS	
	Boring terminated at 30 feet bgs. No groundwater encountered. Hole backfilled with cuttings.											

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL	▾ None ▾
WL	▾ ▾
BORING LOCATION	
See Boring Location Plan	



BORING STARTED	6-23-09
BORING COMPLETED	6-23-09
RIG CME-75	Logged by: MAR
JOB # 60095017	PLATE <b>A-18b</b>

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

## LOG OF BORING NO. B-19

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
0		1								
1	POORLY GRADED GRAVEL - brown, dry, loose, fine to coarse sub-rounded gravel consisting of granitic material.	2								
2	SILTY SAND - red gray, dry, very dense, fines to coarse grained sand, moderately to strongly cemented with caliche visible in white bands and nodules.	3								
3		4								
4		5	SM							
5		6			SPT		50/6"			
6		7								
7		8								
8		9								
9		10	SM							
10	- variably weakly to strongly cemented with caliche.	11			SPT		55			
11										
-Boring terminated at 11.5 feet bgs. -No groundwater encountered. -Hole backfilled with cuttings. -No staining or odors observed during drilling.										

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL	None
WL	None
BORING LOCATION	
See Boring Location Plan	



BORING STARTED	6-25-09
BORING COMPLETED	6-25-09
RIG CME-75	Logged by: TAW
JOB # 60095017	PLATE A-19

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

# LOG OF BORING NO. B-20

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS			
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf	LABORATORY TESTS
	CLAYEY SAND - reddish brown, dry, loose, fine to coarse grained sand, some fine gravel.	1	SC								
	SILTY SAND - red gray, dry, very dense, fine to medium grained sand, moderately cemented with caliche.	2			BS						
		3	SM		RS		88/10"	2	111		
		4									
		5	SM		RS		43				
	- fine to coarse grained sand.	6									
		7									
		8	SM		RS		50/4"	6	105		
		9									
	- fine to medium grained sand.	10	SM		RS		50/5"	6	95		
		11									
		12									
		13									
		14									
		15	SM		RS		50/4"				
		16									
		17									
		18									
		19									
		20	SM		RS		50/3"	4			
	- fine to coarse grained sand.	21									
		22									
		23									
		24									
		25	SM		SPT		50/5"				
		26									
		27									
		28									
		29									
		30	SM		SPT		50/3"				
		31									

**Continued Next Page**

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL	None
WL	
BORING LOCATION See Boring Location Plan	



BORING STARTED	6-22-09
BORING COMPLETED	6-22-09
RIG CME-75	Logged by: JP
JOB # 60095017	PLATE A-20a

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

## LOG OF BORING NO. B-20

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
------------------------------------------------------------------	---------------------------------------------------------------------------------------------

ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>
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GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	GRAPHICS	TYPE	SAMPLES			TESTS			
						RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf	LABORATORY TESTS	
	Boring terminated at 30.5 feet bgs. No groundwater encountered. Hole backfilled with cuttings.											

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft							
WL	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">▼</td> <td style="width: 70%;">None</td> <td style="width: 20%; text-align: center;">▼</td> </tr> <tr> <td style="text-align: center;">▼</td> <td></td> <td style="text-align: center;">▼</td> </tr> </table>	▼	None	▼	▼		▼
▼	None	▼					
▼		▼					
BORING LOCATION <small>See Boring Location Plan</small>							



BORING STARTED	6-22-09
BORING COMPLETED	6-22-09
RIG CME-75	Logged by: JP
JOB # 60095017	PLATE <b>A-20b</b>

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

## LOG OF TEST PIT NO. B-21

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
	SILTY SAND - brown, damp, fine to coarse grained sand. - red brown, increasing caliche nodules.	1	SM	X	BS					
		2	SM	X	BS					
	POORLY GRADED SAND - red brown, damp, fine to coarse grained, some silt and fine gravel.	3	SM	X	BS					
		4	SM	X	BS					
	SILTY SAND - brown, damp, fine to coarse grained sand.  - moderately cemented with caliche.	6	SM	X	BS			4		
		7								
		8	SM	X	BS					
		9	SM	X	BS					
		10	SM	X	BS					
Total depth of 10 feet. No groundwater encountered. Backfilled with soil cuttings.										

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL	None
WL	
BORING LOCATION See Boring Location Plan	



BORING STARTED	6-23-09
BORING COMPLETED	6-23-09
RIG CME-75	Logged by: MAR
JOB # 60095017	PLATE A-21

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

# LOG OF BORING NO. B-22

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS			
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf	LABORATORY TESTS
	SILTY SAND - brown, dry, medium dense to dense, fine to coarse grained sand, some fine gravel.  - medium grained sand to coarse subrounded gravel.  - medium dense.  - light brown, very dense, fine to medium grained sand, moderately to strongly cemented with caliche, caliche noticeable in white banding.	1	SM	X	BS						
	2	SM	X	RS		79	1	115			
	3	SM	X	RS		33	1	110			
	4	SM	X	RS		50/5"	3	113			
	5	SM	X	RS							
	6	SM	X	RS		50/3"	2	111			
	7	SM	X	RS							
	8	SM	X	RS		50/4"	5	103			
	9	SM	X	RS							
	10	SM	X	RS		50/6"	5	101			
	11	SM	X	RS							
	12	SM	X	RS							
	13	SM	X	RS							
	14	SM	X	RS							
	15	SM	X	RS							
16	SM	X	RS								
17	SM	X	RS								
18	SM	X	RS								
19	SM	X	RS								
20	SM	X	RS								
21	SM	X	RS								
22	SM	X	RS								
23	SM	X	RS								
24	SM	X	RS								
25	SM	X	RS								
26	SM	X	RS								
27	SM	X	RS								
28	SM	X	RS								
29	SM	X	RS								
30	SM	X	RS								
31	SM	X	RS								
32	SM	X	RS								

**Continued Next Page**

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL	None
WL	None
BORING LOCATION See Boring Location Plan	



BORING STARTED	6-25-09
BORING COMPLETED	6-25-09
RIG CME-75	Logged by: TAW
JOB # 60095017	PLATE A-22a

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

## LOG OF BORING NO. B-22

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
	SILTY SAND - light brown, fine to coarse grained sand, moderately to strongly cemented with caliche to 40 feet bgs. - trace fine gravel. - red gray.	33								
		34								
		35	SM	▲						
		36			SPT		50/3"			
		37								
		38								
		39								
		40	SM	▲						
	- trace clay, cementing by caliche decreasing with increasing depth.	41			SPT		50/3"			
		42								
		43								
		44								
		45	SM	▲						
	46			SPT		50/4"				
	47									
	48									
	49									
	50	SM	▲							
	51			SPT		50/3"	4			
	52									
	53									
	54									
	55	SM	▲							
	56			SPT		50/2"				
	57									
	58									
	59									
	60	SM	▲							
	61			SPT		50/2"				
	62									
	63									
	64									

**Continued Next Page**

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

**WATER LEVEL OBSERVATIONS, ft**

WL	▽	None	▽
WL	▽		▽

BORING LOCATION See Boring Location Plan



BORING STARTED	6-25-09
BORING COMPLETED	6-25-09
RIG CME-75	Logged by: TAW
JOB # 60095017	PLATE <b>A-22b</b>

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

## LOG OF BORING NO. B-22

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
	SILTY SAND - light brown, fine to coarse grained sand, moderately to strongly cemented with caliche to 40 feet bgs.	66 67 68 69								
	POORLY GRADED SAND - brown, damp, very dense, medium grained sand, caliche not present.  - layer of fine gravel. POORLY GRADED SAND - brown, damp, medium grained sand, some angular coarse gravel composed of granitic material.	70 71 72 73 74 75 76 77 78 79 80 81 82 83 84	SP		RS		50/5"	1	102	
	SILT - brown, dry, hard, slight plasticity.	85 86	ML		SPT		67			
	Boring terminated at 86.5 feet bgs. No groundwater encountered. Hole backfilled with cuttings.									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

**WATER LEVEL OBSERVATIONS, ft**

WL	▽	None	▽
WL	▽		▽

BORING LOCATION  
 See Boring Location Plan



BORING STARTED	6-25-09
BORING COMPLETED	6-25-09
RIG CME-75	Logged by: TAW
JOB # 60095017	PLATE A-22c

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09

# LOG OF BORING NO. B-24

CLIENT <p style="text-align: center;"><b>SolarReserve</b></p>	SITE <p style="text-align: center;"><b>Former Rice Airfield Rice, California</b></p>
ELEVATION	PROJECT <p style="text-align: center;"><b>Rice Solar Energy Project</b></p>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				GRAPHICS	TYPE	RECOVERY, in.	PENETRATION TEST RESULTS BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, tsf
0		1								
1	POORLY GRADED GRAVEL - brown, dry, loose, fine to coarse sub-rounded gravel consisting of granitic material.	2	SP							
2	POORLY GRADED SAND - red gray, dry, very dense, fine to coarse grained sand, some fine sub-rounded gravel.	3		SPT		54				
3		4								
4		5								
5		6								
6		7								
7		8								
8		9								
9		10								
10		11								
11		12								
12		13								
13		14								
14		15								
15	- strongly cemented with caliche.	16	SP		SPT	50/3"				
16										
-Boring terminated at 16.0 feet bgs. -No groundwater encountered. -Hole backfilled with cuttings. -No staining or odors observed during drilling.										

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.  
 \*Tested by pocket penetrometer.

WATER LEVEL OBSERVATIONS, ft	
WL	None
WL	None
BORING LOCATION See Boring Location Plan	



BORING STARTED	6-24-09
BORING COMPLETED	6-24-09
RIG CME-75	Logged by: TAW
JOB # 60095017	PLATE A-24

BOREHOLE SAMPLE BOTTOM BORING LOGS FROM AZ.GPJ TERRACON.GDT 8/6/09