#### **ROUX ASSOCIATES**



1855 GATEWAY BOULEVARD SUITE 770 CONCORD, CALIFORNIA 94520 510 602-2333 FAX # 510 687-1258

Transmittal/Memorandum

To:

Ms. Susan Hugo

Alameda County Department of Environmental Health

80 Swan Way, Room 200 Oakland, California 94621

25

From:

Paul Supple

Date:

√July 14\ 1992

Subject:

Underground Storage Tank Removal and Soil Sampling Report

ARCO Facility No. 2169

889 West Grand Avenue, Oakland, California

Job No.:

A133W01

Remarks:

Enclosed is one copy of the subject report for your files.

cc:

Mr. Chris Winsor, ARCO Products Company

Mr. Michael Whelan, ARCO Products Company

Mr. Richard Hiett, Regional Water Quality Control Board

Mr. John Vargas, GeoStrategies Inc.

# UNDERGROUND STORAGE TANK REMOVAL AND SOIL SAMPLING

ARCO Facility No. 2169 889 West Grand Avenue Oakland, California

July 14, 1992

Prepared for:

ARCO Products Company P.O. Box 5811 San Mateo, California

Prepared by:

## **ROUX ASSOCIATES**

1855 Gateway Boulevard, Suite 770 Concord, California 94520 (510) 602-2333 TITLE:

Underground Storage Tank Removal and Soil Sampling

ARCO Facility No. 2169 889 West Grand Avenue Oakland, California

DATE:

July 14, 1992

PROJECT NO:

A133W01

SUBMITTED BY:

Roux Associates

1855 Gateway Boulevard, Suite 770

Concord, California 94520

This work was done under the direction of the undersigned California Registered Geologist.

PREPARED BY:

Paul Supple

Senior Hydrogeologist

Dean A. Richesin, C.E.G.

Certified Engineering Geologist #1055



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 C Soil Disposal Documentation
 D Water Disposal Documentation

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#### 1.0 INTRODUCTION

This report describes the removal and installation of underground storage tanks (USTs) and presents soil sampling analytical data at ARCO Products Company (ARCO) Facility No. 2169 located at 889 West Grand Avenue, Oakland, California (Site). ARCO authorized Roux Associates (Roux) under ARCO Task Order No. 2169-92-1, to:

- Observe the excavation and removal of four USTs and associated product lines,
- Collect and analyze soil samples,
- Supervise the aeration and disposal of soil stockpiles, and
- Prepare this report.

Soil samples were collected from the sidewalls of the former tank cavity, from beneath the removed product lines, from the excavated soil stockpiles, and from the aerated soil stockpiles. Tank removal and installation activities, and associated efforts were conducted between January. 13, 1992 and April 23, 1992. The work performed by Roux was conducted by Roux field personnel under the direction of Mr. Dean A. Richesin, California Certified Engineering Geologist Number 1055.

#### 2.0 SITE DESCRIPTION

ARCO Facility No. 2169 is an operating self-service gasoline station and ARCO AM/PM minimarket located at the southeast corner of the intersection of West Grand Avenue and Market Street in Oakland, California (Figure 1). The Site is a relatively flat asphalt and concrete covered lot, at an elevation of about 15 ft. above mean sea level (USGS, 1980). Topography in the Site area slopes gently (less than 1 percent) toward the west.

The removed tanks included four single-wall USTs (one 12,000-gallon fiberglass UST, one 8,000-gallon steel UST, and two 6,000-gallon steel USTs) formerly located in a common tank cavity south of the ARCO AM/PM building (Figure 2). Currently, Site features include an ARCO AM/PM building, four pump islands, and four newly installed, double-wall 10,000-gallon fiberglass USTs located in a common tank cavity on the northwest corner of the Site.

#### 3.0 GEOLOGY AND HYDROGEOLOGY

The Site is located on the East Bay Plain, an area of generally low relief lying between San Francisco Bay to the west and the hills of the Coast Range to the east. The Site is about 0.5 mile east of San Francisco Bay. The East Bay Plain is underlain by about 1,000 ft. of unconsolidated Quaternary sediments (Hickenbottom and Muir, 1988). Shallow subsurface deposits in the plain generally consist of interbedded clay, silt, and sand with minor gravel. The soils in the vicinity of the Site have been mapped as Quaternary bay mud, which is composed of unconsolidated dark clay and silty clay with abundant organic materials (Helley, et al., 1979).

Native soils encountered in excavations completed at the Site during tank replacement activities and in soil borings previously drilled at the Site consisted predominantly of clay and silt to a depth of 14 ft. below ground surface (bgs), underlain by sand to the total explored depth of 26 ft. bgs. Ground water was encountered at a depth of about 13.5 ft. bgs in a soil boring drilled at the Site in May, 1991 (GeoStrategies, 1991a). Ground water stabilized at a depth of about 13 ft. bgs in both the new and former tank cavities in January, 1992.

#### 4.0 PREVIOUS INVESTIGATIONS

In May, 1991, GeoStrategies, Inc., conducted a preliminary tank replacement assessment (predrill) at the Site (GeoStrategies, 1991a). The purpose of the predrill was to evaluate the extent of hydrocarbons in the subsurface at the existing UST location prior to the planned removal of the tanks. The investigation consisted of drilling and sampling four 15- to 20-foot deep soil borings in the area of the existing USTs and one 15-foot deep boring in the proposed location of the new USTs.

The predrill boreholes encountered unconsolidated sediments consisting predominantly of clay and silt to a depth of 14 ft. bgs. Sand occurred from 14 ft. to the total explored depth of 20 ft. Ground water was encountered at a depth of about 13.5 ft. bgs. Laboratory analyses of soil samples collected from the boreholes drilled adjacent to the existing tanks indicated detectable concentrations of total petroleum hydrocarbons as gasoline, total petroleum hydrocarbons as diesel, and benzene, toluene, ethylbenzene and total xylenes. At the time of the predrill, a well of unknown origin was decommissioned by hydraulically pulling out the pipe, drilling out the hole with 12-inch augers to a depth of 20 feet and backfilling with neat cement to the surface (Alameda County permit No. 91261). Prior to decommissioning, about 20 gals. of water and separate phase product was removed from the well (GeoStrategies, 1991b).

## 5.0 TANK EXCAVATION, REMOVAL AND SAMPLING

This section describes the following activities:

- Tank Removal and Over-Excavation
- Soil Sampling at the Limits of the Former Tank Cavity
- Soil Sampling Below Removed Product Lines
- Excavation of New Tank Cavity and Installation of New USTs
- Laboratory Analyses

A chronological summary of Site environmental activities is provided in Appendix A.

## 5.1 Tank Removal and Over-Excavation

Golden West Environmental Services of Brentwood, California (Golden West) began the excavations needed to remove the old gasoline tanks on January 13, 1991. The pavement overlying the old tanks was cut and removed, and the fill material in the tank cavity was excavated to the tops of the USTs. The pea gravel surrounding the fiberglass UST and the sand surrounding the steel USTs were removed from the cavity and stockpiled on-site.

On the morning of January 16, 1992, Golden West placed dry ice in the four USTs to reduce the possibility of combustion during removal and transportation. Fuel vapors in the tanks were monitored for the presence of explosive conditions by Mr. Tony Gonzalez of Golden West.

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Vapor levels were determined to be within acceptable limits for removal by Ms. Christine Myer of the City of Oakland Fire Prevention Bureau.

Golden West removed each UST by attaching chains to the top of the tank and lifting it with an excavator. After removal, each tank was inspected by Mr. Dennis Byrne of the Alameda County Department of Environmental Health (ACDEH) and Roux. All tanks appeared to be in good condition. There were no visible holes in the tanks, except for a puncture in the diesel tank (T4) caused by the excavator when removing the tank. The four USTs were loaded onto H&H Environmental Service (H&H) trucks and transported from the Site to H&H's facility in San Francisco, California.

Following removal of the USTs, Golden West excavated the fill material and loose soil inside the tank cavity down to the ground water surface at a depth of about 13 ft. bgs. The fill material and soil were stockpiled on-site. Golden West began backfilling the former tank cavity on February 25, 1992. The lower 3 ft. of the tank cavity was backfilled with imported pea gravel. The remainder of the former tank cavity was backfilled to ground surface with imported aggregate base rock.

## 5.2 Soil Sampling at the Limits of the Former Tank Cavity

Soil sampling in the former UST cavity was done immediately after the removal of the tanks on January 16, 1992. Nine soil samples were collected from the sidewalls of the excavation at a depth of 12 ft. bgs, about 1 ft. above the water table. The samples were collected from

locations selected by Mr. Dennis Byrne of the ACDEH (Figure 3). One soil sample was collected from the excavation sidewall at each end of each removed UST, and one additional sample (SW-7) was collected from the western sidewall near the middle of the removed 12,000-gallon fiberglass tank (T1).

Soil from the sidewalls of the excavation was brought up to the surface in the bucket of the excavator. All soil samples were then collected in 2-inch diameter by 4-inch long, clean stainless steel tubes. Six to twelve inches of soil were scraped away from the surface. A stainless steel tube was driven with a rubber mallet into the newly exposed soil surface and filled completely so that no headspace remained in the tube at either end. Immediately after filling, each end of the tube was covered with aluminum foil and a plastic cap, and sealed with duct tape. The samples were labeled with the project name, time, date, sample identification number and sampler's initials, and placed in a plastic bag. All samples were stored on ice in a cooler chest until delivered to the laboratory. Chain-of-Custody documentation was maintained for all samples.

## 5.3 Soil Sampling Below Removed Product Lines

Sampling of the soil beneath the removed product lines took place on February 19, 1992. Roux collected five soil samples from the bottom of the product line trenches at locations selected by Mr. Dennis Byrne of the ACDEH (Figure 3). All of the samples were collected at a depth of about 3 to 4 ft. bgs. The product line samples were collected in stainless steel tubes and

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Following removal of the USTs, Golden West excavated the fill material and loose soil inside the tank cavity down to the ground water surface at a depth of about 13 ft. bgs. The fill material and soil were stockpiled on-site. Golden West began backfilling the former tank cavity on February 25, 1992. The lower 3 ft. of the tank cavity was backfilled with imported pea gravel. The remainder of the former tank cavity was backfilled to ground surface with imported aggregate base rock.

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Soil from the sidewalls of the excavation was brought up to the surface in the bucket of the excavator. All soil samples were then collected in 2-inch diameter by 4-inch long, clean stainless steel tubes. Six to twelve inches of soil were scraped away from the surface. A stainless steel tube was driven with a rubber mallet into the newly exposed soil surface and filled completely so that no headspace remained in the tube at either end. Immediately after filling, each end of the tube was covered with aluminum foil and a plastic cap, and sealed with duct tape. The samples were labeled with the project name, time, date, sample identification number and sampler's initials, and placed in a plastic bag. All samples were stored on ice in a cooler chest until delivered to the laboratory. Chain-of-Custody documentation was maintained for all samples.

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Sampling of the soil beneath the removed product lines took place on February 19, 1992. Roux collected five soil samples from the bottom of the product line trenches at locations selected by Mr. Dennis Byrne of the ACDEH (Figure 3). All of the samples were collected at a depth of about 3 to 4 ft. bgs. The product line samples were collected in stainless steel tubes and

prepared for transport to the laboratory in the same manner utilized when sampling the sidewall of the former tank cavity.

Laboratory analyses of soil sample LINE-4 collected from below the removed product lines adjacent to the diesel pump island indicated total petroleum fuel hydrocarbons as high boiling point hydrocarbons (TPH-D) at a concentration of 460 mg/kg. Mr. Byrne of the ACDEH suggested over-excavation in the vicinity of the diesel pump island to remove soil containing TPH-D. Golden West over-excavated soil from the product line trench in the vicinity of the diesel pump island until further excavation would have endangered the existing canopy structure. Roux collected one additional soil sample (LINE-4A) from the floor of the excavation directly below sample location L4 on March 3, 1992. Sample LINE-4A was collected at a depth of 7 ft. bgs. The sample was collected in a stainless steel tube and prepared for transport to the laboratory in the same manner utilized when the sidewalls of the former tank cavity were sampled.

## 5.4 Excavation of New Tank Cavity and Installation of the New USTs

Beginning on January 16, 1992, Golden West shored the perimeter of the new tank cavity with steel sheet piles. Golden West then excavated all of the soil inside of the shoring to a depth of about 14 ft. bgs. The soil excavated from the new tank cavity was stockpiled on-site. Golden West installed four new, double-wall, 10,000-gallon fiberglass USTs on February 13, 1992. AsBuilt drawings of the new USTs and piping systems will be prepared by Barghausen Consulting

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2.0	SITE DESCRII	PTION				
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## 6.0 EXCAVATED SOIL STOCKPILING, SAMPLING AND DISPOSAL

This section describes the following activities:

- Soil Stockpiling and Sampling
- Aeration and Disposal of Stockpiled Soil
- Disposal of Water

#### 6.1 Soil Stockpiling and Sampling

The pea gravel and sand fill material and native soil excavated from the former UST cavity, from the piping trenches, and from the new UST cavity were stockpiled on-site (Figure 4). Composite samples were collected from the stockpiles to characterize the soil for disposal.

Roux collected four soil samples from each 50 cu. yds. of stockpiled soil. To prepare the soil for sampling, six to twelve inches of soil were scraped away from the surface of the stockpile. Samples were collected from the prepared surface. Stockpile samples were collected in stainless steel tubes and prepared for transport to the laboratory in the same manner utilized when sampling the sidewalls of the former tank cavity were sampled.

The stockpile samples were delivered to Sequoia for chemical analyses. Chain-of-Custody documentation was maintained for all samples. Sequoia combined each set of four stockpile samples into one composite sample for analysis. A total of 36 composite samples were analyzed for TPH-G and TPH-D by USEPA Method 8015 and BTEX by USEPA Method 8020.

Table 2 summarizes the laboratory analytical data for the former tank cavity and piping trench stockpile samples. Table 3 summarizes the laboratory analytical data for the new tank cavity stockpile samples. Laboratory analytical reports and Chain-of-Custody documentation forms are presented in Appendix B.

## 6.2 Aeration and Disposal of Stockpiled Soil

Disposal options for each soil stockpile were evaluated by Roux and ARCO following receipt of laboratory analytical data. Laboratory analytical data for soil stockpiles containing less than 100 mg/kg TPH-G were provided to the Redwood Landfill in Novato, California (Redwood). Following approval from Redwood, the soil stockpiles containing less than 100 mg/kg TPH-G were removed from the Site beginning on February 10, 1992 by Dillard Trucking of Byron, California (Dillard) and transported to the Redwood landfill.

The soil stockpiles that contained greater than 100 mg/kg TPH-G were aerated at the Site following procedures outlined by the Bay Area Air Quality Management District (BAAQMD) Regulation 8, Rule 40. The BAAQMD was notified of the aeration plans on January 30, 1992. Aeration of the soil stockpiles began on February 10, 1992, and was accomplished by spreading the soil out in a thin layer, breaking the soil apart with a loader or rototiller, and repeatedly turning the soil over to promote evaporation of volatile hydrocarbons. After aeration for varying time periods, each pile of approximately 50 cu. yds. of soil was resampled. A total of 23 composite samples were collected and analyzed in the same manner as the pre-aeration soil stockpiles. Table 4 summarizes the laboratory analytical data for the aerated stockpile samples.

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Laboratory analytical reports and Chain-of-Custody documentation forms are presented in Appendix B.

Once laboratory analyses indicated the TPH-G concentration of an aerated soil stockpile was reduced to less than 100 mg/kg, the laboratory analytical data for the aerated soil stockpiles was provided to Redwood. Following approval from Redwood, the aerated soil stockpiles were removed and transported by Dillard to the Redwood facility. Removal of the soil from the Site was completed on April 23, 1992. A total of 2,196 cubic yards of soil was transported from the Site to the Redwood landfill. Disposal documentation for all soil removed from the Site is included in Appendix C.

### 6.3 Disposal of Water

Construction activities required the removal of water from the former tank cavity on February 25, 1992. Water was pumped from the excavation directly into H&H vacuum trucks. A total of about 10,000 gals. of water was transported by H&H to their facility in San Francisco, California for disposal. Water disposal documentation is given in Appendix D.

#### 7.0 INSTALLATION OF CONDUCTOR CASING, VAULT BOXES AND PVC PIPING

ARCO plans to implement vapor and ground water extraction/treatment systems to remediate the hydrocarbons in the soil and ground water at the Site. To reduce future trenching, vault boxes, horizontal piping and a conductor casing associated with the remediation systems were installed by Golden West concurrently with the installation of the new product tanks and piping (Figure 5). One 12-inch diameter, 13-foot long, slotted PVC conductor casing was installed in the new UST cavity. ARCO plans to drill a soil boring and install a ground water extraction well through the conductor casing. Seven vault boxes were installed at locations where ARCO plans to drill soil borings, install vapor extraction and ground water monitoring wells, or install treatment systems. Assorted horizontal PVC piping was installed in subsurface trenches between the vault boxes in accordance with the engineering design by GeoStrategies, Inc. As-Built drawings showing vault box and piping details are available from GeoStrategies, Inc. This piping will allow for connection of the wells to treatment systems in the future.

#### 8.0 SUMMARY OF RESULTS

The following section summarizes the UST and piping replacement activities, soil stockpile disposal, and the soil sampling analytical data for the Site.

#### 8.1 Tank Replacement

Four single-wall gasoline USTs and associated piping were removed and four double-wall USTs and associated double containment piping were installed at the Site. The new USTs were installed in a new tank cavity on the northern portion of the Site. The former tank cavity was backfilled with pea gravel and aggregate base rock.

## 8.2 Petroleum Hydrocarbons in Soil at the Limits of the Former Tank Cavity

Laboratory analyses of nine soil samples collected from the sidewalls of the former tank cavity at a depth of 12 ft. bgs indicated TPH-G concentrations ranging from 3.0 mg/kg (ppm) to 1,200 mg/kg, TPH-D concentrations from not-detected to 620 mg/kg, and BTEX concentrations from not-detected to 140 mg/kg (Table 1). Soil sample SW-1, collected from the fill end of the removed 6,000-gallon diesel UST, contained the highest concentrations of TPH-G, TPH-D, and BTEX.

prepared for transport to the laboratory in the same manner utilized when sampling the sidewall of the former tank cavity.

Laboratory analyses of soil sample LINE-4 collected from below the removed product lines adjacent to the diesel pump island indicated total petroleum fuel hydrocarbons as high boiling point hydrocarbons (TPH-D) at a concentration of 460 mg/kg. Mr. Byrne of the ACDEH suggested over-excavation in the vicinity of the diesel pump island to remove soil containing TPH-D. Golden West over-excavated soil from the product line trench in the vicinity of the diesel pump island until further excavation would have endangered the existing canopy structure. Roux collected one additional soil sample (LINE-4A) from the floor of the excavation directly below sample location L4 on March 3, 1992. Sample LINE-4A was collected at a depth of 7 ft. bgs. The sample was collected in a stainless steel tube and prepared for transport to the laboratory in the same manner utilized when the sidewalls of the former tank cavity were sampled.

## 5.4 Excavation of New Tank Cavity and Installation of the New USTs

Beginning on January 16, 1992, Golden West shored the perimeter of the new tank cavity with steel sheet piles. Golden West then excavated all of the soil inside of the shoring to a depth of about 14 ft. bgs. The soil excavated from the new tank cavity was stockpiled on-site. Golden West installed four new, double-wall, 10,000-gallon fiberglass USTs on February 13, 1992. As-Built drawings of the new USTs and piping systems will be prepared by Barghausen Consulting

piping. The conductor casing was installed in the new tank cavity to enable drilling, and well installation within the tank cavity. Vault boxes were installed at locations where ARCO plans to drill soil borings and install wells or remedial systems. Assorted PVC piping was installed in subsurface trenches between the vault boxes to allow for connection of the wells to treatment systems.

#### 9.0 REFERENCES

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**TABLES** 

**FIGURES** 

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**SOURCE:** 

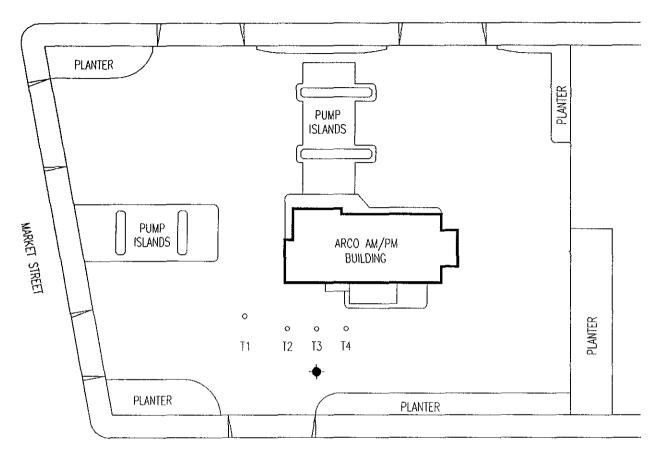
USGS 7.5 MINUTE QUADRANGLE OF OAKLAND WEST, CALIFORNIA, 1980.

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ROUX
ROUX ASSOCIATES, INC.
DHAROMODIAL CONSULTING
& MANAGEMENT

	COMPILED BY:	T.R.	PREPARED FOR:	ARCO PRODUCTS COMPANY	FIGURE	
	PREPARED BY:	RP			!	
	PROJECT MNGR.	P.S	MUE:		}	
^	DATE.	05/92	CITE LOCATION			
٠.	SCALE:	AS SHOWN		SITE LOCATION	!	
	PROJECT NO.	A133W01		ŀ		
	FILE NAME:	2169TOP0		ARCO FACILITY NO. 2169		

#### WEST GRAND AVENUE



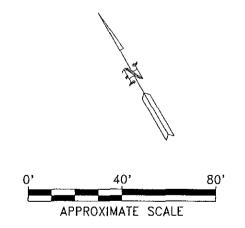
22ND STREET

#### **EXPLANATION:**

- T1 12,000 GALLON UNLEADED GASOLINE TANK
- 12 8,000 GALLON REGULAR GASOLINE TANK
- T3 6,000 GALLON SUPER UNLEADED GASOLINE TANK
- T4 6,000 GALLON DIESEL FUEL TANK
- FILL PORT
- DECOMMISSIONED WELL

#### SOURCE:

MAP MODIFIED FROM PLATE 1 10/91 PROVIDED BY GEOSTRATEGIES INC.

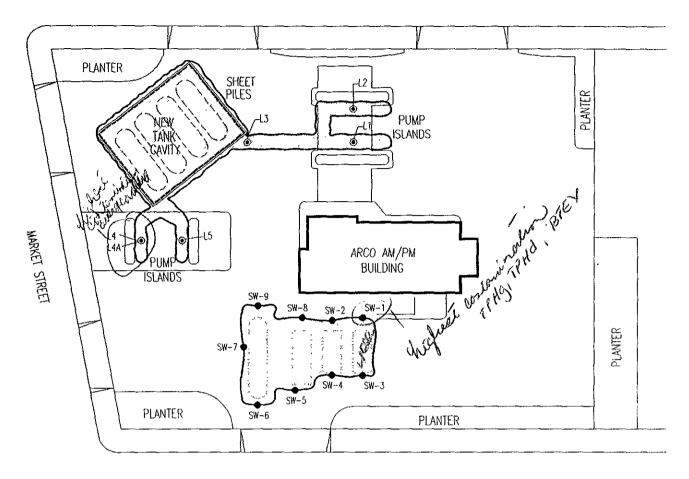


G	ROUX	
XII	ASSOCIATES	

ROUX ASSOCIATES, INC.
EHMROHHEHIAL CONSULTING
& MANAGEMENT

	COMPILED BY:	P.S.	PREPARED FOR:	ARCO PRODUCTS COMPANY	FIGURE
	PREPARED BY:	D.D			
	PROJECT MNGR.	P.S	TITLE:		
	DATE:	01/92	ļ	SITE PLAN	7
	SCALE:	AS SHOWN		One Term	
	PROJECT NO.	A133W01		ARCO FACILITY NO. 2169	
	FILE NAME:	AR2169XX	ANCO FACILITI NO. 2103		

#### WEST GRAND AVENUE



22ND STREET

## **EXPLANATION:**

EXCAVATED AREA

**●** S₩-4

**⊕Li** 

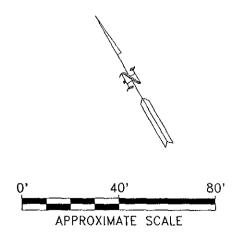
LOCATION AND DESIGNATION OF SOIL SAMPLE

S₩-4 OF

LOCATION AND DESIGNATION OF LINE TRENCH SOIL SAMPLE.

#### SOURCE:

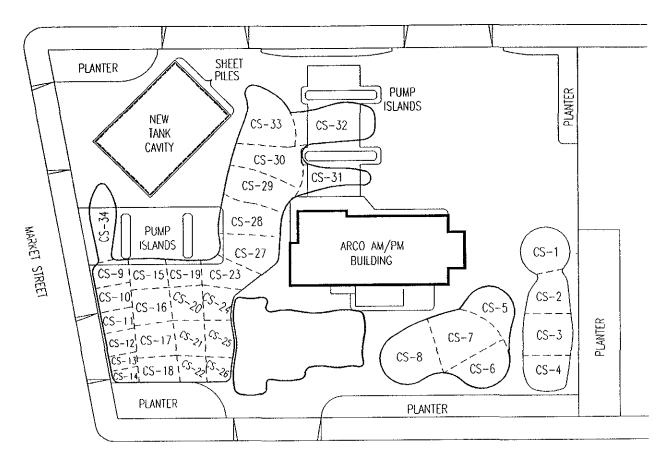
MAP MODIFIED FROM PLATE 1 10/91 PROVIDED BY GEOSTRATEGIES INC.



ROUX
ROUX ASSOCIATES
EMMRONMENTAL CONSULTING & MANAGEMENT

	COMPILED BY:	P.S	PREPARED FOR	ARCO PRODUCTS COMPANY	FIGURE
	PREPARED BY:	0.0			
	PROJECT MNGR.	PS.	TITLE:	LOCATION OF FORMER TANK CAVITY	_
۱ ،	DATE:	06/92			ス
•	SCALE:	AS SHOWN		AND PRODUCT LINE	
	PROJECT NO	A133W01		TRENCH SOIL SAMPLES	
	FILE NAME:	AR2169XX		ARCO FACILITY NO. 2169	

#### WEST CRAND AVENUE



22ND STREET

### **EXPLANATION:**



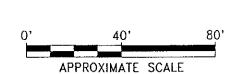
SOIL STOCKPILE LOCATION AND DESIGNATION



EXCAVATED AREA

### SOURCE:

MAP MODIFIED FROM PLATE 1 10/91 PROVIDED BY GEOSTRATEGIES INC



ROUX
ROUX ASSOCIATES, INC.
ENVARONNENTAL CONSULTING & MANAGENENT

	COMPILED BY.	P.S.	PREPARED FOR	ARCO PRODUCTS COMPANY	FIGURE
	PREPARED BY:	D.D	1	Alloo I Robooto Comi Alli	
	PROJECT MNGR	P.S.	TITLE	LOCATION OF SOIL STOCKPILES	, [
~	DATE	01/92		EOCATION OF SOIL STOCKFILES	4 1
٠.	SCALE	AS SHOWN			_r
	PROJECT NO.	A133W01	1	ARCO FACILITY NO. 2169	
	FILE NAME	AR2169XX	1	ANOV PROJECT No. 2100	

Engineers, Inc. of North Highlands, California (Barghausen). Once the As-Built drawings are completed, Barghausen will submit a copy of the drawings to the ACDEH.

### 5.5 <u>Laboratory Analyses</u>

All soil samples collected during this investigation were delivered for chemical analyses to Sequoia Analytical (Sequoia) of Concord and Redwood City, California, a State certified laboratory. The samples collected from the former UST cavity and the product line trenches were analyzed for the following compounds:

- Total petroleum fuel hydrocarbons as low to medium boiling point hydrocarbons (TPH-G) by U.S. Environmental Protection Agency (USEPA) Method 8015,
- Total petroleum fuel hydrocarbons as high boiling point hydrocarbons (TPH-D) by USEPA Method 8015, and
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) by USEPA Method 8020.

Table 1 summarizes the laboratory analytical data for the former UST cavity and the product line trench samples. Laboratory analytical reports and Chain-of-Custody Documentation forms are presented in Appendix B.

#### Petroleum Hydrocarbons in Soil Below the Removed Product Lines 8.3

Laboratory analyses of five soil samples collected from below the removed product lines at depths of 3 to 4 ft. bgs indicated TPH-G concentrations ranging from not-detected to 140 mg/kg. TPH-D concentrations from 6.0 mg/kg to 450 mg/kg, and BTEX concentrations from notdetected to 5.1 mg/kg (Table 1). Soil sample LINE-4, collected adjacent to the diesel pump island contained the highest concentration of TPH-G, TPH-D, and BTEX (except toluene). A second sample (LINE-4A) collected at this location, following over-excavation to a depth of 7 ft. bgs contained 4.6 mg/kg TPH-G, 54 mg/kg TPH-D, and reduced BTEX levels.

#### 8.4 Disposal of Soil and Water

Soil generated during tank replacement activities was stockpiled on-site and sampled. Soil stockpiles containing less than 100 mg/kg TPH-G was transported to the Redwood Landfill in Novato, California for disposal. Soil stockpiles containing greater than 100 mg/kg TPH-G were retained on-site, aerated and resampled. These aerated soil stockpiles were then transported to the Redwood facility for disposal. Water pumped from the tank cavity excavations was transported to the H & H Environmental Services Facility in San Francisco, California for disposal.

#### 8.5 Installation of Conductor Casing, Vault Boxes and PVC Piping

To facilitate further investigation and remediation of the Site, vault boxes, horizontal piping and a conductor casing were installed concurrently with the installation of the new product tanks and

TABLE 1: Summary of Soil Analyses: Former Tank Cavity and Product Line Trenches ARCO Facility No. 2169, Oakland, California

Sample		Depth		_		BTEX D	stinction (1)	·····
Designation	Date	(feet bgs)	TPH-G(1)	TPH-D(1)	Benzene	Toluene	Ethylbenzene	Xylenes
Former Tar	ık Cavity							
SW-1	1/16/92	12	1200	620	6.8	47	22	140
SW-2	1/16/92	12	81	19	0.98	2.9	1.9	9.1
SW-3	1/16/92	12	200	7.1	3.0	10	4.6	25
SW-4	1/16/92	12	170	3.4	3.2	11	3.9	22
SW-5	1/16/92	12	3.0	ND	1.1	0.022	0.21	0.11
SW-6	1/16/92	12	100	2.8	0.88	3.9	2.1	15
SW-7	1/16/92	12	420	10	4.2	16	8.0	53
SW-8	1/16/92	12	180	4.4	2.5	2.7	3.7	23
SW-9	1/16/92	12	200	17	2	4.5	4.7	29
Product Lin	e Trenche	<u>2</u> S						
LINE-1	2/19/92	3	( 120 )	NA	0.36	0.81	0.56	3.8
LINE-2	2/19/92	3	4.7	NA	0.32	0.097	0.088	0.18
LINE-3	2/19/92	4	ND	NA	ND	ND	ND	ND
LINE-4	2/19/92	3	(140)	450	2.2	0.28	2.2	5.1
LINE-5	2/19/92	3	2.8	6.0	0.19	0.005	0.024	0.088
LINE-4A	3/3/92	7	4.6	54	0.054	0.059	0.14	0.64

### **FOOTNOTES**

TPH-G = Total Petroleum Fuel Hydrocarbons As Low/Medium Boiling Point Hydrocarbons (USEPA Method 8015)

TPH-D = Total Petroleum Fuel Hydrocarbons As High Boiling Point Hydrocarbons (USEPA Method 8015)

BTEX Distinction (USEPA Method 8020)

NA = Not Analyzed

ND = None Detected (for detection limits see laboratory reports in Appendix B)

bgs = Below ground surface



<sup>(1) =</sup> Concentrations reported in mg/kg (ppm)

TABLE2: Summary of Soil Analyses: Former Tank Cavity Soil Stockpiles ARCO Facility No. 2169, Oakland, California

Sample			_		BTEX D	istinction(1)	
Designation	Date	TPH-G(1)	TPH-D(1)	Benzene	Toluene	Ethylbenzene	Xylenes
					6		
CS-1 (A-D)	1/15/92	1.50	20	0.51	5.1	0.86	7.6
CS-2(A-D)	1/15/92	82	21	0.086	0.95	7.2	44
CS-3 (A-D)	1/15/92	560	270	0.73	9.3	7.1	54
CS-4 (A-D)	1/15/92	560	380	1.2	9.8	7.7	47
CS-5 (A-D)	1/17/92	110	31	0.21	1.0	0.57	7.5
CS-6 (A-D)	1/17/92	490	380	2.5	15	7.6	75
CS-7(A-D)	1/17/92	470	270	2.4	15	10	63
CS-8 (A-D)	1/17/92	570	320	3.8	21	16	91
CS-45 (A-D)	3/3/92	23	2.0	1,4	2,1	0.21	1.6
CS-46 (A-D)	3/3/92	420	230	0.26	1.1	2.0	20

### **FOOTNOTES**

TPH-G = Total Petroleum Fuel Hydrocarbons As Low/Medium Boiling Point Hydrocarbons (USEPA Method 8015)

TPH-D = Total Petroleum Fuel Hydrocarbons As High Boiling Point Hydrocarbons (USEPA Method 8015)

BTEX Distinction (USEPA Method 8020)

NA = Not Analyzed

ND = Not Detected (for detection limits see laboratory reports in Appendix B)

<sup>(1) =</sup> Concentrations reported in mg/kg (ppm)

**APPENDICES** 

### APPENDIX A

**Summary of Site Environmental Activities** 

# DAILY SITE ENVIRONMENTAL ACTIVITIES ARCO Facility No. 2169

Date	Activity	Ву
10/22/91	Preconstruction meeting.	ARCO, Roux, GW
1/13/92	Began work on tank removal. Cut and removed asphalt and concrete above existing tanks. Installed fence around Site.	GW
1/14/92	Excavated and stockpiled backfill material overlying existing tanks.  Collected samples from the soil stockpiles.	GW Roux
1/16/92	Removed and inspected existing USTs.	GW, Roux, ACDEH,
1/10/72	Removed and inspected existing cors.	OFPB
	Loaded existing USTs onto trucks and hauled from Site.	GW, H&H
	Collected soil samples from sidewalls of former	Roux, ACDEH
	tank cavities.  Began excavation of new tank cavity.	GW
1/17/92	Excavated and stockpiled remaining backfill material from former tank cavity.  Collected samples from the soil stockpiles.	Roux
1/20/92	Excavated and stockpiled soil from new tank	GW
	area. Collected samples from the soil stockpiles.	Roux
1/21/92	Collected samples from the soil stockpiles.	Roux
1/22/92	Faxed sidewall soil sample data to ARCO and ACDEH.	Roux
1/27/92	Received verbal authorization to backfill former tank cavity and install new USTs from ACDEH.	Roux, ACDEH
1/30/92	Notified BAAQMD of aeration plans.	Roux
2/10/92	Hauled new tank cavity soil stockpiles with less than 100 mg/kg TPH-G to Redwood landfill. Began aerating soil.	Dillard, Roux

### Pootnotes:

ARCO Products Company

ROUX Roux Associates

GW Golden West Environmental Services Company
ACDEH Alameda County Department of Environmental Health

OFPB Oakland Fire Prevention Bureau

Dillard Dillard Trucking

H&H Environmental Services

# DAILY SITE ENVIRONMENTAL ACTIVITIES ARCO Facility No. 2169

Date	Activity	Ву
2/11/92	Hauled new tank cavity soil stockpiles with less than 100 mg/kg TPH-G to Redwood landfill.	Dillard, Roux
2/12/92	Hauled four truck loads of new tank cavity soil to Redwood landfill. Moved soil stockpiles.	Dillard
2/13/92	Installed new USTs and conductor casing.	GW
2/18/92	Collected samples from the aerated soil stockpiles.	Roux
2/19/92	Collected samples below removed product lines.	Roux, ACDEH
2/25/92	Pumped water out of former tank cavity.	н&н
	Began backfilling former tank cavity.	GW
3/3/92	Collected product line sample L4A.	Roux, ACDEH, Dillard
	Collected samples from soil stockpiles.	Roux
3/5/92	Collected samples from the aerated soil stockpiles.	Roux
3/18/92	Began installation of remediation system piping.	<b>GW</b>
3/23/92	Collected samples from the aerated soil stockpiles.	Roux
3/27/92	Finished installation of remediation system.	, <b>GW</b>
3/30/92	Collected samples from the aerated soil stockpiles.	Roux
4/1/92	Collected samples from the aerated soil	Roux
	stockpiles. Hauled aerated soil stockpiles to Redwood landfill.	Dillard
4/7/92	Collected samples from the aerated soil stockpiles.	Roux

2 of 3

T.	Of t	1		

ARCO Products Company

ROUX Roux Associates

GW Golden West Environmental Services Company
ACDEH Alameda County Department of Environmental Health

OFPB Oakland Fire Prevention Bureau

Dillard Dillard Trucking

H&H H & H Environmental Services

Doc #AR133W01.1.11

# DAILY SITE ENVIRONMENTAL ACTIVITIES ARCO Facility No. 2169

Date		Activity	Ву	
4/10/9	)2. Hauled ao landfill.	erated soil stockpiles to Redwood	Dillard	
	Collected stockpiles	samples from the aerated soil	Roux	
4/16/9	O2 Collected stockpiles	samples from the aerated soil	Roux	
4/17/	)2	d aeration of the soil stockpiles.	Dillard	
4/20/9	Collected stockpiles	samples from the aerated soil	Roux	
4/23/9	)2	erated soil stockpiles to Redwood	Dillard	

### Footnotes:

ARCO Products Company

ROUX Roux Associates

GW Golden West Environmental Services Company
ACDEH Alameda County Department of Environmental Health

OFPB Oakland Fire Prevention Bureau

Dillard Trucking

H&H H & H Environmental Services 3 of 3 Doc #AR133W01.1.11

### APPENDIX B

Laboratory Analytical Reports and Chain-of-Custody Documentation



Roux Associates 1855 Gateway Blvd, Suite 770

Concord, CA 94520 Attention: Paul Supple Client Project ID:

Arco/ #2169, Oakiand

Sampled:

Jan 16, 1992

Matrix Descript: Analysis Method: Soil EPA 5030/8015/8020 Received: Analyzed: Jan 16, 1992 Jan 16, 1992

First Sample #:

201-0446

Reported:

Jan 22, 1992

### TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample	Sample	Low/Medium B.P.	•		Ethyl		
Number	Description	Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)	
201-0446	SW-5	3.0	1.1	0.022	0.21	0.11	

Detection Limits: 1.0 0.0050 0.0050 0.0050

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Roux Associates
1855 Gateway Blvd. Suite 77

1855 Gateway Blvd, Suite 770 Concord, CA 94520

Attention: Paul Supple

Client Project ID: Matrix Descript: Arco/ #2169, Oakland

Soil

Analysis Method: EPA 5030/8015/8020 First Sample #: 201-0442 Sampled:

Reported:

Jan 16, 1992

Received: Jan 16, 1992 Analyzed: Jan 16, 1992

Jan 16, 1992 Jan 22, 1992

### TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
201-0442	SW-1	1,200	6.8	47	22	140
201-0445	SW-4	170	3.2	11	3.9	22
201-0448	SW-7	420	4.2	16	8.0	53
201-0449	SW-8	180	2.5	2.7	3.7	23

Detection Limits:	100	0.50	0.50	0.50	0.50	
Į.		4				

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

**SEQUOIA ANALYTICAL** 

1855 Gateway Blvd, Suite 770

Concord, CA 94520 Attention: Paul Supple Client Project ID: Arco/#2169, Oakland

Analysis Method:

First Sample #:

Matrix Descript: Soil

EPA 5030/8015/8020

EPA 5030/8015/80 201-0443 Sampled:

Jan 16, 1992

Received:

Jan 16, 1992 Jan 16, 1992

Analyzed: Jan 16, 1992 Reported: Jan 22, 1992

### TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
201-0443	SW-2	81	0.98	2.9	1.9	9.1
201-0444	SW-3	200	3.0	10	4.6	25
201-0447	SW-6	100	0.88	3.9	2.1	15
201-0450	SW-9	200	2.0	4.5	4.7	29

25	0.25 0.25	0.25	0.25	0.25	50	Detection Limits:
----	-----------	------	------	------	----	-------------------

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL



1855 Gateway Blvd, Suite 770

Concord, CA 94520 Attention: Paul Supple Client Project ID: Arco/#2169, Oakland

Matrix Descript: Soil

Analysis Method: EPA 3550/8015 First Sample #: 201-0442

#2169, Oakland Sampled: Jan 16, 1992

Received: Jan 16, 1992 Extracted: Jan 17, 1992

Analyzed: Jan 18, 1992 Reported: Jan 21, 1992

### **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
201-0442	SW-1	620

Detection Limits:

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

10

**SEQUOIA ANALYTICAL** 

Kenneth K.F. Lee Laboratory Manager

2010446.RRR <4>



sociates Client Project ID: Arco/ #2169, Oakland Roux Associates 1855 Gateway Blvd, Suite 770 Concord, CA 94520

Matrix Descript: Soil

Sampled: Jan 16, 1 Jan 16, 1992 Received: Jan 16, 1992

Attention: Paul Supple

Analysis Method: First Sample #:

EPA 3550/8015 201-0444

Extracted: Analyzed:

Jan 17, 1992 Jan 18, 1992

Reported:

Jan 21, 1992

### **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
201-0444	SW-3	7.1

**Detection Limits:** 

1.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard. Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** 



Client Project ID: Arco/ #2169, Oakland

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Paul Supple

QC Sample Group: 2010442-0450

Reported: Jan 21, 1992

### **QUALITY CONTROL DATA REPORT**

ANALYTE			Ethyl-		
	Benzene	Toluene	Benzene	Xylenes	Diesel
	EPA	EPA	EPA	EPA	
Method:	8015/8020	8015/8020	8015/8020	8015/8020	EPA8015
Analyst:	K.N./J.F.	K.N./J.F.	K.N./J.F.	K.N./J.F.	A. Tuzon
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date Analyzed:	Jan 16, 1992	Jan 16, 1992		Jan 16, 1992	Jan 17, 1992
QC Sample #:	Matrix Blank				
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Spike Conc.					
Added:	0.40	0.40	0.40	1.2	10
Conc. Matrix					
Spike:	0.39	0.38	0.41	1.2	9.2
Adadas Outle					
Matrix Spike % Recovery:	98	95	102	100	92
Conc. Matrix	0.37	0.37	0.40	1.2	9.4
Spike Dup.:	0.37	0.01	0.40	1.4	<i>3.</i> ₩
Matrix Spike Duplicate					
% Recovery:	92	92	100	100	94
Deletive					
Relative % Difference:	5.2	2.6	2.4	0.0	2.2

SEQUOIA ANALYTICAL

Kenneth K.F. Lee Laboratory Manager

Conc. of M.S. - Conc. of Sample x 100 % Recovery: Spike Conc. Added Conc. of M.S. - Conc. of M.S.D. x 100 Relative % Difference:

(Conc. of M.S. + Conc. of M.S.D.) / 2

2010446.RRR <6>



## SEQUOIA ANALYTICAL

RECEIVED FEB 1 4 1992

1900 Bates Avenue • Suite LM • Concord, California 94520 (510) 686-9600 • FAX (510) 686-9689

Roux Associates

1855 Gateway Bivd, Suite 770

Concord, CA 94520 Attention: Paul Supple Client Project ID: Matrix Descript:

Arco/ #2169-91-1 Sampled: Soil

EPA 3550/8015 **Analysis Method:** First Sample #: 201-0443

Relogged:

Jan 16, 1992 Jan 28, 1992

Extracted: Analyzed: Jan 29, 1992

Reported:

Feb 8, 1992 rted: Feb 10, 1992

### **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
201-0443	SW-2	19
201-0444	SW-4	3.4
201-0445	SW-5	N.D.
201-0446	SW-6	2.8
201-0447	SW-7	10
201-0448	SW-8	4.4
201-0449	SW-9	17

**Detection Limits:** 1.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard. Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL



Client Project ID: Arco/#2169-91-1

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Paul Supple

QC Sample Group: 2010443-0450

Reported: Feb 10, 1992

#### QUALITY CONTROL DATA REPORT

ANALYTE

Diesel

Method:

**EPA 8015** 

Analyst:

A. Tuzon

Reporting Units: Date Analyzed:

mg/Kg Feb 10, 1992

QC Sample #:

Matrix Blank

Sample Conc.:

N.D.

Spike Conc.

Added:

10

Conc. Matrix

Spike:

8.5

**Matrix Spike** 

% Recovery:

85

Conc. Matrix

Spike Dup.:

8.7

Matrix Spike

Duplicate

% Recovery:

87

Relative

% Difference:

2.3

SEQUOIA ANALYTICAL

Kenneth K.F. Lee

Laboratory Manager

% Recovery:

Conc. of M.S. - Conc. of Sample Spike Conc. Added

x 100

Conc. of M.S. - Conc. of M.S.D.

x 100

Relative % Difference:

(Conc. of M.S. + Conc. of M.S.D.) / 2

2010443,RRR <2>



Roux Associates 1340 Arnold Drive, Suite 231 Martinez, CA 94553 Attention: Paul Supple

Client Project ID: Matrix Descript: Analysis Method:

First Sample #:

#2169-91-1, Arco Soil

EPA 5030/8015/8020 202-2775 Sampled: i Received: i Analyzed: i

Feb 19, 1992 Feb 19, 1992

Analyzed: Feb 20, 1992 Amended: Feb 24, 1992

### **TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)**

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
202-2775	L1	120	0.36	0.81	0.56	3.8
202-2776	L2	4.7	0.32	0.097	0.088	0.18
202-2777	£3	N.D.	N.D.	N.D.	N.D.	N.D.
202-2778	L4	140	2.2	0.28	2.2	5.1
202-2779	L5	2.8	0.19	0.0050	0.024	0.088

Detection Limits:	1.0	0.0050	0.0050	0.0050	0.0050	

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maile A. Springer Project Manager



## SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063 (415) 364-9600 • FAX (415) 364-9233

Roux Associates 1340 Arnold Drive, Suite 231

Martinez, CA 94553
Attention: Paul Supple

Client Project ID: Matrix Descript:

#2169-91-1, Arco

Soil EPA 3550/8015

Analysis Method: EPA 3550 First Sample #: 202-2778 Sampled:

Feb 19, 1992 Feb 19, 1992

Received: Feb 19, 1992 Extracted: Feb 20, 1992

Analyzed: Feb 20, 1992 Reported: Feb 22, 1992

### **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
202-2778	L4	450

**Detection Limits:** 

50

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

**SEQUOIA ANALYTICAL** 

Maile A. Springer Project Manager

2022775.RRR <3>



## SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063 (415) 364-9600 • FAX (415) 364-9233

Roux Associates

1340 Arnold Drive, Suite 231

Martinez, CA 94553 Attention: Paul Supple Client Project ID: Matrix Descript: #2169-91-1, Arco

#2169-91-1, Arc Soil

Analysis Method: First Sample #:

EPA 3550/8015 202-2779 Sampled: Received: Extracted:

Feb 19, 1992 Feb 19, 1992

Extracted: Feb 20, 1992 Analyzed: Feb 20, 1992

Reported: Feb 22, 1992

### **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

Sample Number	Sample Description	High B.P. Hydrocarbons
	·	mg/kg (ppm)
202-2779	<b>L</b> 5	6.0

**Detection Limits:** 

1.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard. Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** 

Maile A. Springer Project Manager

2022775.RRR <4>



Client Project ID: #2169-91-1, Arco

1340 Arnold Drive, Suite 231 Martinez, CA 94553

Attention: Paul Supple

QC Sample Group: 2022775 - 79

Reported:

Feb 21, 1992

### **QUALITY CONTROL DATA REPORT**

ANALYTE	<u></u>		Ethyl-	
	Benzene	Toluene	Benzene	Xylenes
-· · · · · · · · · · · · · · · · · · ·				
Method: Analyst: Reporting Units: Date Analyzed:	EPA 8020 A.Maralit mg/kg Feb 20, 1992			
QC Sample #:	GBLK02092	GBLK02092	GBLK02092	GBLK02092
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Spike Conc.				
Added:	0.20	0.20	0.20	0.60
Conc. Matrix				
Spike:	0.19	0.18	0.18	0.54
Matrix Spike				
% Recovery:	95	90	90	90
Conc. Matrix				
Spike Dup.:	0.22	0.21	0.21	0.62
Matrix Spike				
Duplicate				
% Recovery:	110	105	105	103
Relative				
% Difference:	15	15	15	14

**SEQUOIA ANALYTICAL** 

Conc. of M.S. - Conc. of Sample x 100 % Recovery: Spike Conc. Added Relative % Difference: Conc. of M.S. - Conc. of M.S.D. x 100

(Conc. of M.S. + Conc. of M.S.D.) / 2

Project Manager

2022775.RRR <5>



Client Project ID: #2169-91-1, Arco

1340 Arnold Drive, Suite 231

Martinez, CA 94553

Attention: Paul Supple

QC Sample Group:

Maria Kara-lapan Cara-lai dari apertaran baran karang barang barang barang barang barang barang barang barang b

Reported:

Feb 21, 1992

#### **QUALITY CONTROL DATA REPORT**

ANALYTE	Diesel	 			 
		 	· · · · · · · · · · · · · · · · · · ·	····	 <del></del>
Method: Analyst:	EPA 8015 R.L.				

Date Analyzed: Feb 19, 1992 QC Sample #: DBLK021992

mg/kg

Sample Conc.: N.D.

Spike Conc.

Reporting Units:

Added: 15

Conc. Matrix

Spike: 12

Matrix Spike

% Recovery: 80

Conc. Matrix

Spike Dup.: 12

Matrix Spike Duplicate

% Recovery: 80

Relative

% Difference: 0.0

**SEQUOIA ANALYTICAL** 

% Recovery: Conc. of M.S. - Conc. of Sample x 100
Spike Conc. Added

Relative % Difference: Conc. of M.S. - Conc. of M.S.D. x 100

Maile A. Springer (Conc. of M.S. + Conc. of M.S.D.) / 2
Project Manager

(510) 686-9600 • FAX (510) 686-9689

RECEIVED MAR 1 9 1992

Sampled: Mar 3, 1992 Client Project ID: Arco/#2169-91-1 Roux Associates Received: Sample Descript.: Soil, L4A Mar 3, 1992 1855 Gateway Blvd, Suite 770 Analyzed: Concord, CA 94520 Analysis Method: EPA 5030/8015/8020 Mar 5, 1992 Attention: Paul Supple Lab Number: 203-0097 Reported: Mar 17, 1992

### TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTEX DISTINCTION (EPA 8015/8020)

Analyte	Detection Limit mg/kg (ppm)		Sample Results mg/kg (ppm)
Low to Medium Boiling Point Hydrocarbons	1.0	***************	4.6
Benzene	0.0050		0.054
Toluene	0.0050	***************************************	0.059
Ethyl Benzene	0.0050	***************************************	0.14
Xylenes	0.0000	,	0.64

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Paul Supple

Client Project ID:

Arco/#2169-91-1

Matrix Descript: Soil, L4A

Analysis Method:

EPA 3550/8015

First Sample #:

Sampled: Received: Mar 3, 1992 Mar 3, 1992

Extracted:

Analyzed:

Mar 5, 1992 Mar 11, 1992

Reported:

Mar 17, 1992

### **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

203-0097

Sample Number

Sample Description

High B.P. Hydrocarbons

> mg/kg (ppm)

203-0097

L4A

54

**Detection Limits:** 

1.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard. Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Kenneth K.F. Lee Laboratory Manager

2030097.RRR <2>



Client Project ID: Arco/ #2169-91-1

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Paul Supple

QC Sample Group: 203-0097

Reported: Mar 17, 1992

### **QUALITY CONTROL DATA REPORT**

					····
ANALYTE	<b>n</b>	Taluana	Ethyl- Benzene	Xylenes	Diesel
	Benzene	Toluene	Detizerie	Ayleries	Diesei
	EPA	EPA	EPA	EPA	
Method:	8015/8020	8015/8020	8015/8020	8015/8020	EPA8015
Analyst:	K.E./K.N./J.F.	K.E./K.N./J.F.		K.E./K.N./J.F.	A. Tuzon
Reporting Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Date Analyzed:	Mar 5, 1992	Mar 5, 1992	Mar 5, 1992	Mar 5, 1992	Mar 11, 1992
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank
   Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
	11.5.				
Sailte Cons					
Spike Conc. Added:	0.40	0.40	0.40	1.2	10
Added.	0.40	0.40	0.40	1 - 11	10
Conc. Matrix		0.00	0.44	1.0	7.6
Spike:	0.36	0.38	0.41	1.2	7.6
Matrix Spike					
% Recovery:	90	95	102	100	76
Conc. Matrix					
Spike Dup.:	0.38	0.38	0.39	1.1	7.5
орже вари	0.00	• • • • • • • • • • • • • • • • • • • •			
Matrix Spike					
Duplicate	05	05	00	00	75
% Recovery:	95	95	98	92	75
•					
Relative			= 0	0.7	4.0
% Difference:	5.4	0.0	5.0	8.7	1.3
_					

SEQUOIA ANALYTICAL

Kenneth K.F. Lee Laboratory Manager

Conc. of M.S. - Conc. of Sample x 100 % Recovery: Spike Conc. Added Conc. of M.S. - Conc. of M.S.D. Relative % Difference: x 100

(Conc. of M.S. + Conc. of M.S.D.) / 2

2030097.RRR <3>



Roux Associates Client Project ID: Arco #2169-92-1/ Oakland Sampled: Jan 14, 1992 1855 Gateway Blvd. Suite 770 Matrix Descript: Received: Jan 14, 1992 Soil Analyzed: Jan 14, 1992 Concord, CA 94520 Analysis Method: EPA 5030/8015/8020 Attention: Paul Supple 201-0344 Reported: Jan 17, 1992 First Sample #:

### **TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)**

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
201-0344	CS-1 A-D	150	0.51	5.1	0.86	7.6
201-0345	CS-2 A-D	82	0.086	0.95	7.2	44

Detection Limits:	5.0	0.025	0.025	0.025	0.025	

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

**SEQUOIA ANALYTICAL** 



## SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520 (510) 686-9600 • FAX (510) 686-9689

Roux Associates

1855 Gateway Blvd. Suite 770

Concord, CA 94520 Attention: Paul Supple Client Project ID: Matrix Descript: Arco #2169-92-1/ Oakland

Soil

EPA 3550/8015

Analysis Method: EPA 3550 First Sample #: 201-0344 Sampled:

Jan 14, 1992

Received: Jan 14, 1992 Extracted: Jan 16, 1992

Analyzed: Jan 16, 1992 Reported: Jan 17, 1992

### **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
201-0344	CS-1 A-D	<b>20</b>
201-0345	CS-2 A-D	21

**Detection Limits:** 

1.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard. Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** 



1855 Gateway Blvd. Suite 770

Client Project ID:

Arco #2169-92-1 / Oakland

Sampled: Received: Jan 14, 1992 Jan 14, 1992

Concord, CA 94520

Matrix Descript: Analysis Method:

Soll EPA 5030/8015/8020

Analyzed:

Jan 14, 1992

Attention: Paul Supple

First Sample #:

201-0346

Reported:

Jan 17, 1992

### **TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)**

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	<b>Toluene</b> mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
201-0346	CS-3 A-D	560	0.73	9.3	7.1	54
201-0347	CS-4 A-D	560	1.2	9.8	7.7	47

**Detection Limits:** 25 0.13 0.13 0.13 0.13

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

**SEQUOIA ANALYTICAL** 



### SEQUOIA ANALYTICA

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Roux Associates

1855 Gateway Blvd. Suite 770

Concord, CA 94520 Attention: Paul Supple

Client Project ID:

Arco #2169-92-1/ Oakland

Matrix Descript: Soil

Analysis Method: First Sample #:

EPA 3550/8015 201-0346

Received: Extracted:

Sampled:

Jan 14, 1992 Jan 14, 1992 Jan 16, 1992

Analyzed: Jan 16, 1992 🖁 Reported:

Jan 17, 1992

### TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
201-0346	CS-3 A-D	270
201-0347	CS-4 A-D	380

**Detection Limits:** 

10

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors equired additional sample dilution, detection limits for this sample have been raised.

**SEQUOIA ANALYTICAL** 



Client Project ID: Arco #2169-92-1/ Oakland

1855 Gateway Blvd. Suite 770 Concord, CA 94520

Attention: Paul Supple

QC Sample Group: 2010344-347

Reported: Jan 17, 1992

#### **QUALITY CONTROL DATA REPORT**

ANALYTE			Ethyl-		<u></u>	
MINALI I E	Benzene	Toluene	Benzene	Xylenes	Diesel	STLC Lead
Method: Analyst: Reporting Units: Date Analyzed: QC Sample #:	EPA 8015/8020 K.E. mg/kg Jan 14, 1992 Matrix Blank	EPA8015 A. Tuzon mg/kg Jan 13, 1992 Matrix Blank	EPA 7421 K. Anderson mg/L Jan 17, 1992 201-0228			
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	0.43
Spike Conc. Added:	0.40	0.40	0.40	1.2	10	0.50
Conc. Matrix Spike:	0.38	0.39	0.42	1.3	8.5	0.91
Matrix Spike % Recovery:	95	98	105	108	85	96
Conc. Matrix Spike Dup.:	0.38	0.39	0.42	1.3	8.5	0.90
Matrix Spike Duplicate % Recovery:	95	98	105	108	85	94
Relative % Difference:	0.0	0.0	0.0	0.0	0.0	1.1

Laboratory blank contained the following analytes: None Detected

**SEQUOIA ANALYTICAL** 

% Recovery:

Conc. of M.S. - Conc. of Sample x 100

Spike Conc. Added

Relative % Difference:

Conc. of M.S. - Conc. of M.S.D. x 100

(Conc. of M.S. + Conc. of M.S.D.) / 2



### SEQUOIA ANALYTICAL

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Roux Associates

1855 Gateway Blvd. Suite 770

Concord, CA 94520 Attention: Paul Supple Client Project ID:

Arco #2169-91-1/ Oakland

Sampled: Received: Jan 17, 1992 Jan 17, 1992

Matrix Descript: Analysis Method: First Sample #:

EPA 5030/8015/8020

Analyzed:

Jan 21, 1992

201-0516

Soil

Reported: Jan 21, 1992

### TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
201-0516	CS-5(A-D)	110	0.21	1.0	0.57	7.5
201-0517	CS-6(A-D)	490	2.5	15	7.6	<b>7</b> 5
201-0518	CS-7(A-D)	470	2.4	15	10	63
201-0519	CS-8(A-D)	570	3.8	21	16	91

Detection Limits:	10	0.050	0.050	0.050	0.050	
	 	"				

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Inalytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors equired additional sample dilution, detection limits for this sample have been raised.

**SEQUOIA ANALYTICAL** 



### SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520 (510) 686-9600 • FAX (510) 686-9689

Roux Associates 1855 Gateway Blvd, Suite 770

Concord, CA 94520 Attention: Paul Supple Client Project ID: Matrix Descript:

**Analysis Method:** 

First Sample #:

Arco #2169-91-1/ Oakland Soil

EPA 3550/8015 201-0516

Jan 17, 1992 Sampled: Relogged:

Jan 21, 1992 Extracted: Jan 22, 1992 Analyzed: Jan 22, 1992

Reported: Jan 23, 1992

### **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
201-0516	CS-5(A-D)	31
201-0517	CS-6(A-D)	380
201-0518	CS-7(A-D)	270
201-0519	CS-8(A-D)	320

|--|

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL



Client Project ID: Arco #2169-91-1/ Oakland

1855 Gateway Blvd. Suite 770

Concord, CA 94520 Attention: Paul Supple

QC Sample Group: 2010516-519

Reported: Jan 21, 1992

### **QUALITY CONTROL DATA REPORT**

ANALYTE			Ethyl-		
AIVACTIC	Benzene	Toluene	Benzene	Xylenes	STLC Lead
Method: Analyst: Reporting Units: Date Analyzed: QC Sample #:	EPA 8015/8020 K.N./K.E./J.F. mg/kg Jan 21, 1992 Matrix Blank	EPA 8015/8020 K.N./K.E./J.F. mg/kg Jan 21, 1992 Matrix Blank	mg/kg	EPA 8015/8020 K.N./K.E./J.F. mg/kg Jan 21, 1992 Matrix Blank	EPA 7421 K. Anderson mg/L Jan 21, 1992 112-331
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	0.20
Spike Conc. Added:	0.40	0.40	0.40	1.2	0.50
Conc. Matrix Spike:	0.35	0.38	0.42	1.3	0.57
Matrix Spike % Recovery:	88	95	105	108	74
Conc. Matrix Spike Dup.:	0.36	0.38	0.42	1.3	0.59
Matrix Spike Duplicate % Recovery:	90	95	105	108	78
Relative % Difference:	2.8	0.0	0.0	0.0	3.4

aboratory blank contained the following analytes: None Detected

**SEQUOIA ANALYTICAL** 

% Recovery:	Conc. of M.S Conc. of Sample Spike Conc. Added	x 100
. Relative % Difference:	Conc. of M.S Conc. of M.S.D.	x 100
	(Conc. of M.S. + Conc. of M.S.D.) / 2	•



1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Paul Supple

Client Project ID: Arco #2169-91-1/ Oakland

QC Sample Group: 2010516-519

Reported: Jan 23, 1992

### **QUALITY CONTROL DATA REPORT**

ANALYTE
Diesel

Method:

EPA8015

Analyst:

A. Tuzon

Reporting Units: Date Analyzed:

mg/kg Jan 21, 1992

QC Sample #:

Matrix Blank

Sample Conc.:

N.D.

Spike Conc.

Added:

10

Conc. Matrix

Spike:

9.6

**Matrix Spike** 

% Recovery:

96

Conc. Matrix

Spike Dup.:

9.6

Matrix Spike Duplicate

% Recovery:

96

Relative

% Difference:

0.0

SEQUOIA ANALYTICAL

To.

Kenneth K.F. Lee Laboratory Manager % Recovery: Conc. of M.S. - Conc. of Sample

Relative % Difference:

Spike Conc. Added

Conc. of M.S. - Conc. of M.S.D. (Conc. of M.S. + Conc. of M.S.D.) / 2 x 100

x 100



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Roux Associates

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Paul Supple

Client Project ID:

Arco #2169-91-1/ Oakland

Soil

Matrix Descript: **Analysis Method:** EPA 5030/8015/8020

First Sample #: 201-0526 Sampled:

Jan 20, 1992

Received: Analyzed:

Jan 21, 1992 Jan 21, 1992

Reported:

Jan 24, 1992

### TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample	Sample	Low/Medium B.P			Ethyl	
Number	Description	Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
201-0526	CS9A-D	72	0.18	1.1	7.2	N.D.

Detection Limits:	5.0	0.025	0.025	0.025	0.025	
T						

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

**SEQUOIA ANALYTICAL** 



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Roux Associates

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Client Project ID:

Arco #2169-91-1/ Oakland

.....

Sampled: Jan 20, 1992

) 1

Matrix Descript:

Soil EPA 5030/8015/8020 Received: Analyzed: Jan 21, 1992 Jan 21, 1992

Attention: Paul Supple

Analysis Method: First Sample #:

201-0527

Reported:

Jan 24, 1992

## TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample	Sample	Low/Medium B.P.	•		Ethyl		
Number	<b>Description</b>	Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)	
201-0527	CS10A-D	200	1.2	8.0	5.5	35	

Detection Limits: 10 0.050 0.050 0.050 0.050

Low to Medium Bolling Point Hydrocarbons are quantitated against a gasoline standard.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

**SEQUOIA ANALYTICAL** 



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Roux Associates

1855 Gateway Blvd, Suite 770

Concord, CA 94520 Attention: Paul Supple Client Project ID: Matrix Descript:

Analysis Method:

First Sample #:

Arco #2169-91-1/ Oakland

Soil

EPA 5030/8015/8020

201-0528

Sampled:

Jan 20, 1992

Received: Jan 21, 1992 Analyzed: Jan 21, 1992

Reported: Jan 24, 1992

## TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample	Sample	Low/Medium B.P.			Ethyl		
Number	Description	Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)	
<b>201-05</b> 28	CS11A-D	25	0.034	0.14	0.17	1.2	-
<b>201</b> -0529	CS12A-D	26	0.22	0.97	0.48	3.0	

0.010 **Detection Limits:** 2.0 0.010 0.010 0.010

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL



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Roux Associates

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Paul Supple

Client Project ID:

Arco #2169-91-1/ Oakland

Matrix Descript:

Soil

EPA 5030/8015/8020

Analysis Method: First Sample #: 201-0530 Sampled:

Jan 20, 1992

Received:

Jan 21, 1992 Jan 21, 1992

Analyzed: Reported:

Jan 24, 1992

## TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
<b>201-</b> 0530	CS13A-D	1.8	0.011	0.027	0.0068	0.075
201-0531	CS14A-D	1.9	0.016	0.046	0.022	0.15

Detection Limits: 1.0 0.0050 0.0050 0.0050 0.0050
---

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** 



819 Striker Avenue, Suite 8 • Sacramento, CA 95834 (916) 921-9600 • FAX (916) 921-0100

Roux Associates

1855 Gateway Blvd, Suite 770

Concord, CA 94520 Attention: Paul Supple

QC Sample Group: 2010526-531

Reported: Jan 24, 1992

#### **QUALITY CONTROL DATA REPORT**

Client Project ID: Arco #2169-91-1/ Oakland

Benzene   Toluene   Benzene   Xylenes	ANALYTE			Ethyl-	
Method: Analyst: Analyst: Analyst: Reporting Units: Mg/kg Date Analyzed: Jan 21, 1992		Benzene	Toluene	Benzene	Xylenes
Method: Analyst: Analyst: Analyst: Reporting Units: Mg/kg Date Analyzed: Jan 21, 1992		EDA	EΡΔ	EDΔ	EΡΔ
Analyst: Reporting Units: mg/kg	Method:				
Reporting Units:         mg/kg         mg/kg         mg/kg         mg/kg         mg/kg         mg/kg         Jan 21, 1992         Matrix Blank		*	•	•	
Date Analyzed: QC Sample #:         Jan 21, 1992 Matrix Blank         Jan 21, 1992 Matrix Blank         Jan 21, 1992 Matrix Blank           Sample Conc.:         N.D.         N.D.         N.D.         N.D.         N.D.           Spike Conc. Added:         0.40         0.40         0.40         1.2           Conc. Matrix Spike:         0.36         0.36         0.36         1.2           Matrix Spike % Recovery:         90         90         90         100           Conc. Matrix Spike Dup.:         0.36         0.36         0.36         1.2           Matrix Spike Duplicate % Recovery:         90         90         90         90         100					
QC Sample #:         Matrix Blank         Matrix Blank<				-, -	•
Sample Conc.:         N.D.         N.D.         N.D.         N.D.           Spike Conc.         0.40         0.40         0.40         1.2           Conc. Matrix         0.36         0.36         0.36         1.2           Matrix Spike % Recovery:         90         90         90         100           Conc. Matrix Spike Dup.:         0.36         0.36         0.36         1.2           Matrix Spike Duplicate % Recovery:         90         90         90         100					-
Spike Conc.         0.40         0.40         0.40         1.2           Conc. Matrix         0.36         0.36         0.36         1.2           Matrix Spike         90         90         90         100           Conc. Matrix         Spike Dup.:         0.36         0.36         0.36         1.2           Matrix Spike         Duplicate         90         90         90         100	QC Sample #.	Matrix Blarik	Matrix Blank	маттх ыапк	Matrix Blank
Added:         0.40         0.40         0.40         1.2           Conc. Matrix Spike:         0.36         0.36         0.36         1.2           Matrix Spike:         90         90         90         100           Conc. Matrix Spike Dup.:         0.36         0.36         0.36         1.2           Matrix Spike Duplicate:         90         90         90         100           % Recovery:         90         90         90         100	Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Added:         0.40         0.40         0.40         1.2           Conc. Matrix Spike:         0.36         0.36         0.36         1.2           Matrix Spike:         90         90         90         100           Conc. Matrix Spike Dup.:         0.36         0.36         0.36         1.2           Matrix Spike Duplicate:         90         90         90         100           % Recovery:         90         90         90         100	Snika Cana				
Spike:         0.36         0.36         0.36         1.2           Matrix Spike % Recovery:         90         90         90         100           Conc. Matrix Spike Dup.:         0.36         0.36         0.36         1.2           Matrix Spike Duplicate % Recovery:         90         90         90         100		0.40	0.40	0.40	1.2
Spike:         0.36         0.36         0.36         1.2           Matrix Spike % Recovery:         90         90         90         100           Conc. Matrix Spike Dup.:         0.36         0.36         0.36         1.2           Matrix Spike Duplicate % Recovery:         90         90         90         100					
Matrix Spike % Recovery:         90         90         90         100           Conc. Matrix Spike Dup.:         0.36         0.36         0.36         1.2           Matrix Spike Duplicate % Recovery:         90         90         90         100					
% Recovery:       90       90       90       100         Conc. Matrix Spike Dup.:       0.36       0.36       0.36       1.2         Matrix Spike Duplicate % Recovery:       90       90       90       100	Spike:	0.36	0.36	0.36	1.2
% Recovery:       90       90       90       100         Conc. Matrix Spike Dup.:       0.36       0.36       0.36       1.2         Matrix Spike Duplicate % Recovery:       90       90       90       100	Afateiu Cailea				
Spike Dup.:         0.36         0.36         1.2           Matrix Spike Duplicate         90         90         90         100           % Recovery:         90         90         90         100		90	90	90	100
Spike Dup.:         0.36         0.36         1.2           Matrix Spike Duplicate         90         90         90         100           % Recovery:         90         90         90         100	-				
Matrix Spike Duplicate % Recovery: 90 90 90 100					
Duplicate           % Recovery:         90         90         100	Spike Dup.:	0.36	0.36	0.36	1.2
<b>% Recovery:</b> 90 90 90 100					
		90	90	٩n	100
Polotivo	A Hecovery.	<b>5</b> 0	30	<b>3</b> 0	100
neiauve	Relative				
<b>% Difference:</b> 0.0 0.0 0.0 0.0		0.0	0.0	0.0	0.0

**SEQUOIA ANALYTICAL** 

% Recovery:

Conc. of M.S. - Conc. of Sample Spike Conc. Added x 100

1

Kenneth K.F. Lee Laboratory Manager Relative % Difference:

Conc. of M.S. - Conc. of M.S.D.

x 100

(Conc. of M.S. + Conc. of M.S.D.) / 2

2010526.RRR <6 >



819 Striker Avenue, Suite 8 • Sacramento, CA 95834 (916) 921-9600 • FAX (916) 921-0100

Roux Associates

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Paul Supple

Client Project ID: Arco #2169-91-1/ Oakland

QC Sample Group: 2010526-531

Reported: Jan 24, 1992

### **QUALITY CONTROL DATA REPORT**

ANALYTE			Ethyl-		······································
	Benzene	Toluene	Benzene	Xylenes	Total Lead
	EPA	EPA	EPA	<b>EPA</b>	
Method:	8015/8020	8015/8020	8015/8020	8015/8020	EPA 7421
Analyst:	K. E.	K. E.	K. E.	K.E.	K. Anderson
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date Analyzed:	Jan 22, 1992	Jan 22, 1992	Jan 22, 1992	Jan 22, 1992	
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	201-0527
l `					
<u> </u>					
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	34
•					
Spike Conc.					
Added:	0.40	0.40	0.40	1.2	130
Conc. Matrix					
Spike:	0.36	0.38	0.41	1.2	190
Matrix Spike					
% Recovery:	90	95	102	100	120
Conc. Matrix					
Spike Dup.:	0.35	0.37	0.39	1.2	190
_ Matrix Spike					
Duplicate					
% Recovery:	88	92	98	100	120
<b>.</b>					
Relative					
% Difference:	2.8	2.6	5.0	0.0	0.0

SEQUOIA ANALYTICAL

% Recovery:

Conc. of M.S. - Conc. of Sample Spike Conc. Added

x 100

Relative % Difference:

Conc. of M.S. - Conc. of M.S.D. (Conc. of M.S. + Conc. of M.S.D.) / 2 x 100



1855 Gateway Blvd, Suite 770

Concord, CA 94520

Client Project ID:

Arco #2169-91-1/ Oakland

Sampled:

Jan 21, 1992

Matrix Descript: Analysis Method:

Soil EPA 5030/8015/8020 Received: Analyzed: Jan 22, 1992 Jan 22, 1992

Attention: Paul Supple

First Sample #:

201-0601

Reported:

Jan 24, 1992

## TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
201-0601	CS-15A-D	100	0.52	2.2	1.5	10
201-0614	C\$28A-D	190	0.91	4.2	3.2	16
201-0616	CS30A-D	32	0.11	0.31	0.34	1.9

|--|

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Kenneth K.F. Lee Laboratory Manager

2010601.RRR <1>



1855 Gateway Blvd, Suite 770

к Associates Client Project ID: Matrix Descript:

Arco #2169-91-1/ Oakland Soil

Sampled: Received:

Jan 21, 1992 Jan 22, 1992

Concord, CA 94520

Analysis Method:

EPA 5030/8015/8020

Analyzed:

Jan 22, 1992

Attention: Paul Supple

First Sample #:

201-0602

Reported: Jan 24, 1992

## TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample	Sample	Low/Medium B.P.			Ethyl		
Number	Description	Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)	
<b>201-</b> 0602	CS-16A-D	90	0.22	1.4	1.1	7.1	

0.10 0.10 20 0.10 0.10 **Detection Limits:** 

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL



1855 Gateway Blvd, Suite 770

Concord, CA 94520

Client Project ID:

Arco #2169-91-1/ Oakland

Sampled: Received: Jan 21, 1992

Matrix Descript: **Analysis Method:** 

EPA 5030/8015/8020

Analyzed:

Jan 22, 1992 Jan 22, 1992

Attention: Paul Supple

First Sample #:

201-0603

Reported:

Jan 24, 1992

### TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Soll

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)	
<b>201-0</b> 603	CS-17A-D	27	0.073	0.25	0.26	2.0	
201-0605	CS-19A-D	27	0.032	0.12	0.14	1.1	
201-0606	CS-20A-D	12	0.033	0.12	0.081	0.57	
201-0607	CS-21A-D	48	0.060	0.23	0.31	2.1	
201-0609	CS-23A-D	31	0.056	0.28	0.21	1.5	
201-0610	CS-24A-D	28	0.38	0.20	0.22	1.6	
201-0611	CS25A-D	47	0.099	0.23	0.40	2.7	
201-0612	CS26A-D	27	0.028	0.086	0.042	1.1	
201-0613	CS27A-D	16	0.041	0.11	0.093	0.59	
201-0615	CS29A-D	45	0.025	0.24	0.40	2.1	
Detection Limits:		5.0	0.025	0.025	0.025	0.025	

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

**SEQUOIA ANALYTICAL** 

Kenneth K.F. Lee Laboratory Manager

2010601.RRR <3>



Client Project ID: Arco #2169-91-1/ Oakland Sampled: Jan 21, 1992 Roux Associates Received: 1855 Gateway Blvd, Suite 770 **Matrix Descript:** Soil Jan 22, 1992 Analysis Method: EPA 5030/8015/8020 Analyzed: Concord, CA 94520 Jan 22, 1992 Attention: Paul Supple First Sample #: 201-0604 Reported: Jan 24, 1992

### **TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)**

Sample	Sample	Low/Medium B.P.		Ethyl			
Number	Description	Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)	
201-0604	CS-18A-D	2.9	0.014	0.037	0.017	0.18	

Detection Limits: 2.0 0.010 0.010 0.010 0.010

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

**SEQUOIA ANALYTICAL** 

Kenneth K.F. Lee Laboratory Manager

2010601.RRR <4>

**Roux Associates** 1855 Gateway Blvd, Suite 770

Concord, CA 94520 Attention: Paul Supple Client Project ID:

Arco #2169-91-1/ Oakland

Sampled:

Jan 21, 1992

**Matrix Descript:** 

Soil

Received:

Jan 22, 1992 Jan 22, 1992

Analysis Method: First Sample #:

EPA 5030/8015/8020 201-0608

Analyzed: Reported:

Jan 24, 1992

## TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample	Sample	Low/Medium B.P.	•		Ethyl	
Number	Description	Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
201-0608	C\$-22A-D	4.5	0.014	0.034	0.026	0.21

<b>Detection Limits:</b>	1.0	0.0050	0.0050	0.0050	0.0050	

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL



1855 Gateway Blvd. Suite 770

Concord, CA 94520 Attention: Paul Supple Client Project ID: Arco #2169-91-1/ Oakland

Matrix Descript: Soil

EPA 3550/8015

Analysis Method: First Sample #: 201-0526

ampled: Jan 20, 1992 Sampled:

Jan 31, 1992 Relogged: Extracted: Feb 3, 1992

Analyzed: Feb 4, 1992 Reported: Feb 4, 1992

## **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
201-0526	CS9 (A-D)	2.5
201-0527	CS10 (A-D)	6.5
201-0528	CS11 (A-D)	1.2
201-0529	CS12 (A-D)	1.1

**Detection Limits:** 

1.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard. Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL



1855 Gateway Blvd. Suite 770

Concord, CA 94520 Attention: Paul Supple Client Project ID: Arco #2169-91-1/ Oakland Sampled: Jan 21, 1992

Matrix Descript: Soil

Analysis Method: EPA 3550/8015 First Sample #: 201-0602 Relogged: Feb 3, 1992
Extracted: Feb 4, 1992
Analyzed: Feb 5, 1992

Reported: Feb 5, 1992

## **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
201-0602	CS-16 (A-D)	9.7
201-0605	CS-19 (A-D)	5.0
201-0606	CS-20 (A-D)	16
201-0609	CS-23 (A-D)	25
201-0610	CS-24 (A-D)	15
201-0613	CS27(A-D)	13
201-0615	CS-29 (A-D)	9.4
201-0616	CS-30 (A-D)	20

Detection	Limits:	1.0

High Bolling Point Hydrocarbons are quantitated against a diesel fuel standard.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL



1900 Bates Avenue • Suite LM • Concord, California 94520 (510) 686-9600 • FAX (510) 686-9689

Roux Associates

1855 Gateway Blvd, Suite 770

Concord, CA 94520 Attention: Paul Supple

ates Client Project ID: Matrix Descript:

First Sample #:

Arco/2169-91-1/Relog Soil

Analysis Method: EPA 3550/8015 201-0603

Arco/2169-91-1/Relog Sampled: Jan 21, 199 Relogged:

Jan 21, 1992 Jan 31, 1992

Extracted: Analyzed: Feb 3, 1992 Feb 4, 1992

Reported:

Feb 4, 1992

### **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
201-0603	CS17	1.1
201-0604	CS21	5.8
201-0605	CS25	3.1
201-0606	CS26	20

**Detection Limits:** 1.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard. Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL



Client Project ID: Arco/2169-91-1/Relog

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Paul Supple

ole QC Sample Group: 2010603-0612 Reported: Feb 4, 1992

#### **QUALITY CONTROL DATA REPORT**

ANALYTE

Diesel

Method:

**EPA 8015** 

Analyst: Reporting Units: A. Tuzon

Date Analyzed:

mg/kg Feb 4, 1992

QC Sample #:

Matrix Blank

Sample Conc.:

ND

Spike Conc.

Added:

10

Conc. Matrix

Spike:

8.4

**Matrix Spike** 

% Recovery:

84

Conc. Matrix

Spike Dup.:

9.1

Matrix Spike

**Duplicate** 

% Recovery:

91

Relative

% Difference:

7.6

SEQUOIA ANALYTICAL

% Recovery:

Conc. of M.S. - Conc. of Sample x 100

Spike Conc. Added

Relative % Difference:

Conc. of M.S. - Conc. of M.S.D.

x 100

(Conc. of M.S. + Conc. of M.S.D.) / 2



Client Project ID: Arco #2169-91-1/ Oakland

1855 Gateway Blvd. Suite 770

Concord, CA 94520

Attention: Paul Supple

QC Sample Group: 2010602-616

Reported: Feb 5, 1992

#### **QUALITY CONTROL DATA REPORT**

ANALYTE
Diesei

Method: EPA8015 Analyst: J. Dinsay Reporting Units: mg/kg

Date Analyzed: Feb 5, 1992
QC Sample #: Matrix Blank

Sample Conc.: N.D.

Spike Conc.
Added: 10

Conc. Matrix Spike: 8.6

Matrix Spike % Recovery: 86

Conc. Matrix

Spike Dup.: 9.6

Matrix Spike
Duplicate
% Recovery: 96

Relative
% Difference: 11

SEQUOIA ANALYTICAL

Kenneth K.F. Lee Laboratory Manager % Recovery: Conc. of M.S. - Conc. of Sample x 100
Spike Conc. Added

Relative % Difference: Conc. of M.S. - Conc. of M.S.D. x 100

(Conc. of M.S. + Conc. of M.S.D.) / 2



Client Project ID: Arco #2169-91-1/ Oakland

1855 Gateway Blvd. Suite 770

Concord, CA 94520

Attention: Paul Supple

QC Sample Group: 2010526-529

Reported: Feb 4, 1992

#### **QUALITY CONTROL DATA REPORT**

ANALYTE

Diesel

Method: Analyst: EPA8015 A. Tuzon

Reporting Units: Date Analyzed: QC Sample #: mg/kg Feb 3, 1992 Matrix Blank

Sample Conc.:

N.D.

Spike Conc.

Added:

10

Conc. Matrix

Spike:

8.4

Matrix Spike

% Recovery:

84

Conc. Matrix

Spike Dup.:

Matrix Spike

Duplicate

% Recovery:

91

9.1

Relative

% Difference:

7.6

SEQUOIA ANALYTICAL

Kenneth K.F. Lee Laboratory Manager % Recovery:

Conc. of M.S. - Conc. of Sample Spike Conc. Added x 100

Relative % Difference:

Conc. of M.S. - Conc. of M.S.D.

x 100

(Conc. of M.S. + Conc. of M.S.D.) / 2



Client Project ID: Arco #2169-91-1/ Oakland

1855 Gateway Blvd, Suite 770 Concord, CA 94520

Attention: Paul Supple

QC Sample Group: 2010601-616

Reported: Jan 24, 1992

#### **QUALITY CONTROL DATA REPORT**

ANALYTE			Ethyl-	
	Benzene	Toluene	Benzene	Xylenes
	EPA	EPA	EPA	EPA
Method:	8015/8020	8015/8020	8015/8020	8015/8020
Analyst:	Κ. E.	₭, E.	K. E.	K. E.
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date Analyzed:	Jan 22, 1992	Jan 22, 1992		Jan 22, 1992
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	0.40	0.40	0.40	1.2
Added.	0.40	0.40	0.10	
Conc. Matrix Spike:	0.36	0.38	0.41	1.2
Matrix Spike % Recovery:	90	95	102	100
Conc. Matrix Spike Dup.:	0.35	0.37	0.39	1.2
•				
Matrix Spike Duplicate				
% Recovery:	88	92	98	1009
Relative				
% Difference:	2.8	2.6	5.0	0.0

SEQUOIA ANALYTICAL

Kenneth K F Lee

Kenneth K.F. Lee	
Laboratory Manage	er

% Recovery:

Conc. of M.S. - Conc. of Sample x 100

Spike Conc. Added

Relative % Difference:

Conc. of M.S. - Conc. of M.S.D. x 100

(Conc. of M.S. + Conc. of M.S.D.) / 2



Roux Associates 1855 Gateway Blvd. Suite 770

Concord, CA 94520 Attention: Paul Supple

עג Associates Client Project ID: Arco #2169-91-1 / Oakland Sampled: Jan 21, 1992

Sample Descript: Soll

Analysis Method: California LUFT Manual, 12/87

First Sample #: 201-0612

Jan 21, 1992 Relogged: Jan 30, 1992 🖁

Extracted: Jan 31, 1992 Analyzed: Jan 31, 1992 🖁

Reported: Jan 31, 1992 

#### **ORGANIC LEAD**

Sample Number	Sample Description	Sample Results mg/kg (ppm)
201-0612	CS26 A-D	N.D.

**Detection Limits:** 

Analytes reported as N.D. were not present above the stated limit of detection.

0.050

SEQUOIA ANALYTICAL



Client Project ID: Arco #2169-91-1/ Oakland

1855 Gateway Blvd. Suite 770 Concord, CA 94520

Attention: Paul Supple

QC Sample Group: 201-0612

Reported: Jan 31, 1992 

#### **QUALITY CONTROL DATA REPORT**

ANALYTE

Organic Lead

Method:

LUFT

Analyst:

T. Mascarenas

Reporting Units:

mg/kg

Date Analyzed: QC Sample #: Jan 31, 1992 201-0612

Sample Conc.:

N.D.

Spike Conc.

Added:

2.0

Conc. Matrix

Spike:

2.4

**Matrix Spike** 

% Recovery: 120

Conc. Matrix

Spike Dup.: 2.6

Matrix Spike

**Duplicate** 

% Recovery: 130

Relative

% Difference: 8.0

**SEQUOIA ANALYTICAL** 

Kenneth K.F. Lee Laboratory Manager % Recovery: Conc. of M.S. - Conc. of Sample x 100 Spike Conc. Added

Relative % Difference: Conc. of M.S. - Conc. of M.S.D. x 100 (Conc. of M.S. + Conc. of M.S.D.) / 2



Roux Associates 1855 Gateway Blvd. Suite 770

Concord, CA 94520 Attention: Paul Supple Client Project ID:

Arco #2169-91-1/ Oakland

Sampled: Received:

Jan 21, 1992

Matrix Descript: Analysis Method: Soil EPA 5030/8015/8020

Analyzed:

Jan 22, 1992 Jan 22, 1992

First Sample #:

201-0617

Reported:

Jan 27, 1992 

## TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
201-0617	CS31A-D	2.2	0.017	0.017	0.012	0.053

**Detection Limits:** 2.0 0.010 0.010 0.010 0.010

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

**SEQUOIA ANALYTICAL** 



1855 Gateway Blvd. Suite 770 Concord, CA 94520

Attention: Paul Supple

Client Project ID:

Arco #2169-91-1/ Oakland

Sampled: Jan 21, 1992

Matrix Descript: Soil Analysis Method:

EPA 5030/8015/8020

Received: Analyzed: Jan 22, 1992 Jan 22, 1992

First Sample #:

201-0618

Reported:

Jan 27, 1992

## **TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)**

Sample	Sample	Low/Medium B.P.		Ethyl		
Number	Description	Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
201-0618	CS32A-D	100	0.39	1.8	1.7	10

**Detection Limits:** 10 0.050 0.050 0.050 0.050

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

**SEQUOIA ANALYTICAL** 



1900 Bates Avenue • Suite LM • Concord, California 94520 (510) 686-9600 • FAX (510) 686-9689

Roux Associates

1855 Gateway Bivd. Suite 770

Concord, CA 94520 Attention: Paul Supple

**\*** Client Project ID: Matrix Descript:

Arco #2169-91-1/ Oakland

Soil

EPA 5030/8015/8020 Analysis Method: First Sample #: 201-0619

Sampled: Received:

Jan 21, 1992 Jan 22, 1992

Analyzed:

Jan 22, 1992

Jan 27, 1992 🖁 Reported:

## TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
201-0619	CS33A-D	110	0.30	2.0	2.2	11

0.025 0.025 5.0 0.025 0.025 **Detection Limits:** 

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors equired additional sample dilution, detection limits for this sample have been raised.

**SEQUOIA ANALYTICAL** 



1855 Gateway Blvd. Suite 770 Concord, CA 94520

Attention: Paul Supple

Client Project ID: Matrix Descript:

Analysis Method:

First Sample #:

Arco #2169-91-1/ Oakland

Soil

EPA 5030/8015/8020

201-0620

Sampled:

Jan 21, 1992

Jan 22, 1992 Received: Jan 22, 1992 Analyzed:

Jan 27, 1992 Reported:

## TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
201-0620	CS34A-D	15	0.054	0.21	0.21	1.2

1.0 0.0050 0.0050 0.0050 0.0050 **Detection Limits:** 

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** 



1340 Arnold Drive, Suite 231

Martinez, CA 94553

Attention: Paul Supple

Roux Associates Client Project ID: #2169-91-1, Arco Sample Descript:

Soil Composite, CS-42

Lab Number: 202-2615

Sampled: Feb 18, 1992 Received: Feb 18, 1992

Extracted: Feb 20, 1992 Analyzed: Feb 20, 1992

Reported: Feb 21, 1992

#### LABORATORY ANALYSIS

Analyte **Detection Limit Sample Results** mg/kg mg/kg Organic Lead..... 0.050 N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maile A. Springer Project Manager



Client Project ID: #2169-91-1, Arco

1340 Arnold Drive, Suite 231

Martinez, CA 94553

Attention: Paul Supple QC Sample Group: 2022612 - 17

Reported:

Feb 21, 1992

#### **QUALITY CONTROL DATA REPORT**

ANALYTE			Ethyl-	
	Benzene	Toluene	Benzene	Xylenes
Method: Analyst: Reporting Units: Date Analyzed: QC Sample #:	EPA 8020 A.Maralit mg/kg Feb 19, 1992 BLK021992			
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	0.20	0.20	0.20	0.60
Conc. Matrix Spike:	0.22	0.22	0.22	0.64
Matrix Spike % Recovery:	110	110	110	107
Conc. Matrix Spike Dup.:	0.21	0.20	0.20	0.57
Matrix Spike Duplicate % Recovery:	105	100	100	95
Relative % Difference:	4.7	9.5	9.5	12

SEQUOIA ANALYTICAL

Maile A. Springer Project Manager % Recovery:

Conc. of M.S. - Conc. of Sample x 100

Spike Conc. Added

Relative % Difference:

Conc. of M.S. - Conc. of M.S.D. x 100

(Conc. of M.S. + Conc. of M.S.D.) / 2

2022608.RRR <6>



Client Project ID: #2169-91-1, Arco

1340 Arnold Drive, Suite 231

Martinez, CA 94553

Attention: Paul Supple

QC Sample Group: 2022608 - 11, 13-15

Reported:

Feb 21, 1992

#### **QUALITY CONTROL DATA REPORT**

ANALYTE	<u> </u>		Ethyl-	
	Benzene	Toluene	Benzene	Xylenes
Method: Analyst: Reporting Units: Date Analyzed: QC Sample #:	EPA 8020 C.Donhue mg/kg Feb 19, 1992 GBLK021992			
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	0.20	0.20	0.20	0.60
Conc. Matrix Spike:	0.20	0.20	0.20	0.60
Matrix Spike % Recovery:	100	100	100	100
Conc. Matrix Spike Dup.:	0.20	0.20	0.20	0.60
Matrix Spike Duplicate % Recovery:	100	100	100	100
Relative % Difference:	0.0	0.0	0.0	0.0

SEQUOIA ANALYTICAL

Maile A. Springer Project Manager

% Recovery: Conc. of M.S. - Conc. of Sample x 100 Spike Conc. Added x 100

Relative % Difference: Conc. of M.S. - Conc. of M.S.D.

(Conc. of M.S. + Conc. of M.S.D.) / 2

2022608.RRR <7>



Client Project ID: #2169-91-1, Arco

1340 Arnold Drive, Suite 231 Martinez, CA 94553

Attention: Paul Supple QC Sample Group: 202-2616

Reported:

Feb 21, 1992

#### **QUALITY CONTROL DATA REPORT**

ANALYTE			Ethyl-	
	Benzene	Toluene	Benzene	Xylenes
			•	
Method: Analyst: Reporting Units: Date Analyzed: QC Sample #:	EPA 8020 A.Maralit mg/kg Feb 19, 1992 GBLK021992			
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	0.20	0.20	0.20	0.60
Conc. Matrix Spike:	0.16	0.16	0.17	0.48
Matrix Spike % Recovery:	80	80	88	80
Conc. Matrix Spike Dup.:	0.18	0.18	0.18	0.53
Matrix Spike Duplicate % Recovery:	90	90	90	88
Relative % Difference:	12	12	5.7	10

**SEQUOIA ANALYTICAL** 

Maile A. Springer **Project Manager** 

% Recovery: Conc. of M.S. - Conc. of Sample x 100 Spike Conc. Added Relative % Difference: Conc. of M.S. - Conc. of M.S.D. x 100

(Conc. of M.S. + Conc. of M.S.D.) / 2



Client Project ID: #2169-91-1, Arco

1340 Arnold Drive, Suite 231

Martinez, CA 94553

Attention: Paul Supple

QC Sample Group: 2022608 - 17

Reported: Feb 21, 1992

#### **QUALITY CONTROL DATA REPORT**

ANALYTE Diesel

Method:

EPA 8015

Analyst: Reporting Units:

R.Lee mg/kg

Date Analyzed: QC Sample #:

Feb 19, 1992 DBLK021992

Sample Conc.:

N.D.

Spike Conc.

Added:

15

Conc. Matrix

Spike:

12

**Matrix Spike** 

% Recovery:

80

Conc. Matrix

Spike Dup.:

12

Matrix Spike Duplicate

Duplicate % Recovery:

80

Relative

% Difference:

0.0

**SEQUOIA ANALYTICAL** 

Maile A. Springer

Maile A. Springer Project Manager % Recovery:

Conc. of M.S. - Conc. of Sample x 100

Spike Conc. Added

Relative % Difference:

Conc. of M.S. - Conc. of M.S.D. x 100

(Conc. of M.S. + Conc. of M.S.D.) / 2

2022608.RRR <9>



Client Project ID: #2169-91-1, Arco

1340 Arnold Drive, Suite 231

Martinez, CA 94553

Attention: Paul Supple

QC Sample Group: 2022611 - 15

Reported: Feb 21, 1992

#### **QUALITY CONTROL DATA REPORT**

ANALYTE	Organic		
L	Lead		

Method:

**LUFT** 

Analyst:

S.Chin

**Reporting Units:** 

mg/kg

Date Analyzed:

Feb 20, 1992

QC Sample #:

202-2615

Sample Conc.:

N.D.

Spike Conc.

Added:

0.50

Conc. Matrix

Spike:

0.45

**Matrix Spike** 

% Recovery:

90

Conc. Matrix

Spike Dup.:

0.38

**Matrix Spike** 

Duplicate

% Recovery:

76

Relative

% Difference:

17

SEQUOIA ANALYTICAL

aile A. Springer Project Manager

% Recovery:

Conc. of M.S. - Conc. of Sample

x 100

Spike Conc. Added

Relative % Difference:

Conc. of M.S. - Conc. of M.S.D. (Conc. of M.S. + Conc. of M.S.D.) / 2 x 100

2022608.RRR <10>



RECEIVED cont 0 9 1992

Roux Associates

1855 Gateway Blvd, Suite 770

Concord, CA 94520 Attention: Paul Supple

Client Project ID: Matrix Descript:

Analysis Method:

First Sample #:

Arco/#2169-91-1

Soil

EPA 5030/8015/8020 203-0098

Sampled: Received: Mar 3, 1992 Mar 3, 1992

Analyzed: Reported: Mar 3, 1992 Mar 5, 1992

## TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample	Sample	Low/Medium B.P.	Ethyl				
Number	Description	Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)	
203-0098	CS-45	23	1.4	2.1	0.21	1.6	

**Detection Limits:** 5.0 0.025 0.025 0.025 0.025

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

**SEQUOIA ANALYTICAL** 

Kenneth K.F. Lee Laboratory Manager

2030098.RRR <1>

**Roux Associates** Client Project ID: Arco/#2169-91-1 Sampled: Mar 3, 1992 1855 Gateway Blvd, Suite 770 Matrix Descript: Received: Soil Mar 3, 1992 Concord, CA 94520 **Analysis Method:** EPA 5030/8015/8020 Analyzed: Mar 3, 1992 Attention: Paul Supple First Sample #: 203-0099 Reported: Mar 5, 1992

## **TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)**

Sample	Sample	Low/Medium B.P.	Ethyl				
Number	Description	Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)	
203-0099	CS-46	420	0.26	1.1	2.0	20	

|--|

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL



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Roux Associates Client Project ID: Arco/#2169-91-1 Sampled: 1855 Gateway Blvd, Suite 770 Concord, CA 94520 Attention: Paul Supple

Matrix Descript: Analysis Method:

First Sample #:

Soil EPA 3550/8015 203-0098

Mar 3, 1992 Received: Extracted:

Mar 3, 1992 Mar 4, 1992 Mar 5, 1992

Analyzed: Reported: Mar 5, 1992

## **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
203-0098	CS-45	2.0
203-0099	CS-46	230

**Detection Limits:** 

1.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard. Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Client Project ID: Arco/#2169-91-1

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Paul Supple

QC Sample Group: 2030098-0099

Reported: Mar 5, 1992

#### **QUALITY CONTROL DATA REPORT**

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ANALYTE	Convoca	Toluene	Ethyl- Benzene	Xylenes	Diesel
<u> </u>	Benzene	Toluene	Defizerie	Ayleries	Diesei
	EPA	EPA	EPA	EPA	
Method:	8015/8020	8015/8020	8015/8020	8015/8020	EPA8015
Analyst:	K.E./K.N./J.F.	K.E./K.N./J.F.	K.E./K.N./J.F.	K.E./K.N./J.F.	A. Tuzon
Reporting Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Date Analyzed:	Mar 3, 1992	Mar 3, 1992	Mar 3, 1992	Mar 3, 1992	Mar 5, 1992
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank
Cample Cons.	N.D.	N.D.	N.D.	N.D.	N.D.
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	W.D.
0.22.0					
Spike Conc.					
Added:	0.40	0.40	0.40	1.2	
Conc. Matrix	0.40	0.50	0.50		
Spike:	0.48	0.52	0.52	1.4	
Matrix Spike					
% Recovery:	120	130	130	120	
Conc. Matrix					
Spike Dup.:	0.41	0.48	0.46	1.3	
Matrix Spike					
Duplicate 8/ Bassyony	102	120	120	108	
% Recovery:	103	120	120	100	
Relative					
% Difference:	16	8.0	12	7.4	

SEQUOIA ANALYTICAL

% Recovery: Conc. of M.S. - Conc. of Sample x 100
Spike Conc. Added

Relative % Difference:

Conc. of M.S. - Conc. of M.S.D. (Conc. of M.S. + Conc. of M.S.D.) / 2

x 100



Roux Associates 1340 Arnold Drive, Suite 231 Martinez, CA 94553 Attention: Paul Supple

Client Project ID: Arco, 2169 Matrix Descript: Analysis Method:

First Sample #:

Soil EPA 5030/8015/8020

203-0982

Sampled: Received:

Mar 5, 1992 Mar 5, 1992 Mar 6, 1992

Analyzed: Reported: Mar 10, 1992

## TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
203-0982	CS-47A-D	N.D.	N.D.	N.D.	N.D.	N.D.
203-0983	CS-48A-D	13	0.031	11	0.14	0.75

Detection Limits: 1.0 0.0050 0.0050 0.0050 0.0050
---

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** 

Maile A. Springer Project Manager

2030982.RRR <1>



680 Chesapeake Drive • Redwood City, CA 94063 (415) 364-9600 • FAX (415) 364-9233

Roux Associates 1340 Arnold Drive, Suite 231

Client Project ID: Matrix Descript:

Arco, 2169 Soil Sampled: Mar 5, 1992 Received: Mar 5, 1992

Martinez, CA 94553
Attention: Paul Supple

Analysis Method: First Sample #:

EPA 3550/8015 203-0982 Extracted: Mar 5, 1992 Analyzed: Mar 5, 1992

Reported: Mar 10, 1992

### **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
203-0982	CS-47A-D	5.3
203-0983	CS-48A-D	29

**Detection Limits:** 

1.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard. Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** 

Maile A. Springer Project Manager

2030982,RRR <2>



Client Project ID: Arco, 2169

1340 Arnold Drive, Suite 231

Martinez, CA 94553

Attention: Paul Supple

QC Sample Group: 203-0983

Reported:

Mar 10, 1992

#### **QUALITY CONTROL DATA REPORT**

ANALYTE			Ethyl-	
	Benzene	Toluene	Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	C.Donohue	C.Donohue	C.Donohue	C.Donohue
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date Analyzed:	Mar 6, 1992	Mar 6, 1992	Mar 6, 1992	Mar 6, 1992
QC Sample #:	GBLK030692	GBLK030692	GBLK030692	GBLK030692
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
oumpio comon	11.5.		11.5.	11.5.
Spike Conc.				
Added:	0.20	0.20	0.20	0.60
Conc. Matrix	0.40	0.40	0.40	0.50
Spike:	0.19	0.19	0.19	0.56
Matrix Calles				
Matrix Spike % Recovery:	95	95	95	93
,.			~~	
Conc. Matrix				
Spike Dup.:	0.19	0.19	0.20	0.58
Matrix Spike				
Duplicate				
% Recovery:	95	95	100	97
Relative % Difference:	0.0	0.0	5.1	3.5
% Difference:	Ų.Ū	U.U	۱ ، כ	ა.უ

**SEQUOIA ANALYTICAL** 

Maile A. Springer Project Manager % Recovery: Conc. of M.S. - Conc. of Sample x 100
Spike Conc. Added

Relative % Difference:

Conc. of M.S. - Conc. of M.S.D. (Conc. of M.S. + Conc. of M.S.D.) / 2

2030982.RRR <3>

x 100



Client Project ID: Arco, 2169

1340 Arnold Drive, Suite 231

Martinez, CA 94553

Attention: Paul Supple

QC Sample Group: 203-0982

Reported:

Mar 10, 1992

### **QUALITY CONTROL DATA REPORT**

ANALYTE			Ethyl-	
PRICE I L	Benzene	Toluene	Benzene	Xylenes
<u> </u>				
Method: Analyst: Reporting Units: Date Analyzed: QC Sample #:	EPA 8020 A.Maralit mg/kg Mar 6, 1992 BLK030692			
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	0.20	0.20	0.20	0.60
Conc. Matrix Spike:	0.23	0.22	0.22	0.72
Matrix Spike % Recovery:	115	110	110	120
Conc. Matrix Spike Dup.:	0.24	0.23	0.23	0.77
Matrix Spike Duplicate % Recovery:	120	115	115	128
Relative % Difference:	4.2	4.3	4.4	6.7

**SEQUOIA ANALYTICAL** 

Maile A. Springer Project Manager % Recovery:

Conc. of M.S. - Conc. of Sample x 100

Spike Conc. Added

Relative % Difference:

Conc. of M.S. - Conc. of M.S.D. (Conc. of M.S. + Conc. of M.S.D.) / 2 x 100

2030982.RRR <4>



Client Project ID: Arco, 2169

1340 Arnold Drive, Suite 231

Martinez, CA 94553

Attention: Paul Supple

QC Sample Group: 2030987 - 83

Reported: Mar 10, 1992

#### **QUALITY CONTROL DATA REPORT**

ANALYTE	Diesel

Method:

EPA 8015

Analyst:

M.T.

Reporting Units:

mg/kg

Date Analyzed: QC Sample #:

Mar 3, 1992 DBLK030392

Sample Conc.:

N.D.

Spike Conc.

Added:

15

Conc. Matrix

Spike:

11

**Matrix Spike** 

% Recovery:

73

Conc. Matrix

Spike Dup.:

14

Matrix Spike

Duplicate % Recovery:

93

Relative

% Difference:

24

**SEQUOIA ANALYTICAL** 

Maile A. Springer
Project Manager

% Recovery:

Conc. of M.S. - Conc. of Sample

x 100

Spike Conc. Added

Relative % Difference:

Conc. of M.S. - Conc. of M.S.D. (Conc. of M.S. + Conc. of M.S.D.) / 2 x 100

2030982.RRR <5>



680 Chesapeake Drive • Redwood City, CA 94063 (415) 364-9600 • FAX (415) 364-9233

Roux Associates 1855 Gateway Blvd. Concord, CA 94520 Attention: Paul Supple Client Project ID: Matrix Descript: Analysis Method:

First Sample #:

Arco, #2169 Soil

Soil EPA 5030/8015/8020 Sampled: Received: Mar 23, 1992 Mar 23, 1992

Analyzed: Mar 24, 1992 Reported: Mar 26, 1992

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# **TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)**

203-3762

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)	
203-3762	CS-49	6.4	N.D.	N.D.	0.010	0.0060	
203-3763	CS-50	21	N.D.	N.D.	0.033	0.060	

1.0 0.0050 0.0050 0.0050 0.0050		tection Limits:
---------------------------------	--	-----------------

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** 

Maile A. Springer Project Manager



680 Chesapeake Drive • Redwood City, CA 94063 (415) 364-9600 • FAX (415) 364-9233

Arco, #2169 Client Project ID: **Roux Associates** Sampled: Mar 23, 1992 1855 Gateway Blvd. Matrix Descript: Soil Received: Mar 23, 1992 Concord, CA 94520 **Analysis Method:** Extracted: EPA 3550/8015 Mar 24, 1992 First Sample #: Attention: Paul Supple 203-3762 Analyzed: Mar 24, 1992 Reported: Mar 26, 1992 

## **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
203-3762	CS-49	79
203-3763	CS-50	130

Detection Limits:	10

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

**SEQUOIA ANALYTICAL** 

Maile A. Springer Project Manager



680 Chesapeake Drive • Redwood City, CA 94063 (415) 364-9600 • FAX (415) 364-9233

Roux Associates 1855 Gateway Blvd. Client Project ID:

Arco, #2169 Soil

Sampled:

Mar 23, 1992

Concord, CA 94520

Sample Descript: **Analysis Method:** 

California LUFT Manual, 12/87

Received:

Mar 23, 1992

Attention: Paul Supple

First Sample #:

203-3762

Analyzed: Reported: Mar 25, 1992. Mar 26, 1992

**ORGANIC LEAD** 

Sample Number

Sample Description Sample Results

mg/kg (ppm)

203-3762

CS-49

N.D.

**Detection Limits:** 

0.050

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maile A. Springer Project Manager

2033762.RRR <3>



Client Project ID: Arco, #2169

1855 Gateway Blvd. Concord, CA 94520

Attention: Paul Supple QC Sample Group: 2033762 - 63 Reported: Mar 26, 1992

### **QUALITY CONTROL DATA REPORT**

ANALYTE	Benzene	Toluene	Ethyl- Benzene	Xylenes	Diesel	Organic Lead	
Method: Analyst: Reporting Units: Date Analyzed: QC Sample #:	EPA 8020 C.Donohue mg/kg Mar 24, 1992 GBLK032492	EPA 8015 R.Lee mg/kg Mar 20, 1992 DBLK032092	LUFT S.Chin mg/kg Feb 25, 1992 203-2561				
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
Spike Conc. Added:	0.20	0.20	0.20	0.60	15	0.12	
Conc. Matrix Spike:	0.22	0.20	0.21	0.60	13	0.11	
Matrix Spike % Recovery:	110	100	105	100	87	92	
Conc. Matrix Spike Dup.:	0.22	0.21	0.21	0.62	13	0.11	
Matrix Spike Duplicate % Recovery:	110	105	105	103	87	92	
Relative % Difference:	0.0	4.9	0.0	3.3	0.0	0.0	

**SEQUOIA ANALYTICAL** 

Maile A. Springer

Project Manager

% Recovery: Conc. of M.S. - Conc. of Sample x 100 Spike Conc. Added

Relative % Difference: Conc. of M.S. - Conc. of M.S.D. x 100 (Conc. of M.S. + Conc. of M.S.D.) / 2

2033762.RRR <4>



Roux Associates 1855 Gateway Blvd. Suite 770 Concord, CA 94520 Attention: Paul Supple Client Project ID:

Arco #2169-91-1A/ Oakland Soil Sampled: Received: Mar 30, 1992 Mar 30, 1992

Matrix Descript: Analysis Method: First Sample #:

EPA 5030/8015/8020

Analyzed: Reported: Mar 30, 1992 Apr 1, 1992

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

203-1430

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	<b>Toluene</b> mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
203-1430	CS-51 (A-D)	44	0.026	0.063	0.027	0.097
203-1431	CS-52 (A-D)	8.9	0.019	0.029	0.013	0.031

Detection Limits: 2.0 0.010 0.010 0.010 0.010

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Roux Associates 1855 Gateway Blvd. Suite 770 Concord, CA 94520 Attention: Paul Supple Client Project ID: Arco #2169-91-1A/ Oakland

Sample Descript: Soil

Analysis Method: California LUFT Manual, 12/87

First Sample #: 203-1430

Sampled: Mar 30, 1992 Received: Mar 30, 1992

Received: Mar 30, 1992 Extracted: Mar 31, 1992 Analyzed: Apr 1, 1992

Reported: Apr 1, 1992

### **ORGANIC LEAD**

Sample Number	Sample Description	Sample Results mg/kg (ppm	
203-1430	CS-51 (A-D)	N.D.	

Detection Limits: 0.050

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Client Project ID: Arco #2169-91-1A/ Oakland

1855 Gateway Blvd. Suite 770 Concord, CA 94520

Attention: Paul Supple

QC Sample Group: 2031430-31

Reported: Apr 1, 1992

### **QUALITY CONTROL DATA REPORT**

	,		F4L. J		
ANALYTE	Benzene	Toluene	Ethyl- Benzene	Xylenes	Organic Lead
Method: Analyst: Reporting Units: Date Analyzed: QC Sample #:	EPA 8015/8020 K.N. mg/Kg Mar 30, 1992 Matrix Blank	LUFT K. Anderson mg/Kg Apr 1, 1992 Matrix Blank			
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	0.40	0.40	0.40	1.2	20
Conc. Matrix Spike:	0.37	0.37	0.40	1.2	16
Matrix Spike % Recovery:	93	93	100	100	80
Conc. Matrix Spike Dup.:	0.37	0.37	0.41	1.2	15
Matrix Spike Duplicate % Recovery:	93	93	103	100	75
Relative % Difference:	0.0	0.0	2.5	0.0	6.4

**SEQUOIA ANALYTICAL** 

% Recovery:	Conc. of M.S Conc. of Sample	x 100	
_	Spike Conc. Added		
Relative % Difference:	Conc. of M.S Conc. of M.S.D.	x 100	
_	(Conc. of M.S. + Conc. of M.S.D.) / 2		_





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Sampled: Arco #2169-91-1A/ Oakland Client Project ID: Mar 30, 1992 Roux Associates Relogged: 1855 Gateway Blvd. Sulte 770 Matrix Descript: Soil Apr 3, 1992 Extracted: Analysis Method: EPA 3550/8015 Apr 6, 1992 Concord, CA 94520 Analyzed: Apr 7, 1992 Attention: Paul Supple First Sample #: 203-1430 Apr 7, 1992 Reported:

# TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)	
203-1430	CS-51(A-D)	200	

Detection Limits:

10

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOJA ANALYTICAL



Client Project ID: Arco #2169-91-1A/ Oakland Sampled: Roux Associates Mar 30, 1992 Relogged: 1855 Gateway Blvd. Suite 770 Matrix Descript: Soil Apr 3, 1992 Concord, CA 94520 Extracted: Analysis Method: EPA 3550/8015 Apr 6, 1992 Analyzed: Apr 7, 1992 Attention: Paul Supple First Sample #: 303-1431 Apr 7, 1992 Reported:

# **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)		
303-1431	CS-52(A-D)	14		

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** 

Client Project ID: Arco #2169-91-1A/ Oakland

1855 Gateway Blvd. Suite 770

Concord, CA 94520 Attention: Paul Supple

QC Sample Group: 2031430-1431

Reported: Apr 7, 1992

### **QUALITY CONTROL DATA REPORT**

ANALYTE	····
	Diesel
Method:	EPA8015
Analyst:	A. Tuzon
Reporting Units:	mg/Kg
Date Analyzed:	Apr 7, 1992
QC Sample #:	Matrix Blank
Camula Cana	N.D.
Sample Conc.:	N.D.
0.4.0	
Spike Conc. Added:	10
Added:	10
Come Matrice	
Conc. Matrix Spike:	8.1
Spike.	0.1
Matrix Spike	
% Recovery:	81
	•
Conc. Matrix	
Spike Dup.:	7.9
-	
Matrix Spike	
Duplicate	<b>W</b> A
% Recovery:	79
Relative	
% Difference:	2.6

**SEQUOIA ANALYTICAL** 

% Recovery: Conc. of M.S. - Conc. of Sample x 100

Spike Conc. Added

Conc. of M.S. - Conc. of M.S.D. Belative % Difference: x 100

(Conc. of M.S. + Conc. of M.S.D.) / 2



Arco #2169-92-1A/ Oakland Sampled: Roux Associates Client Project ID: Apr 1, 1992 1855 Gateway Blvd. Suite 770 Sample Descript.: Soil, CS-53 (A-D) Received: Apr 1, 1992 Concord, CA 94520 Analysis Method: EPA 5030/8015/8020 Analyzed: Apr 1, 1992 Lab Number: 204-0018 Reported: Attention: Paul Supple Apr 7, 1992

## **TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTEX DISTINCTION (EPA 8015/8020)**

Analyte	Detection Limit mg/kg (ppm)		Sample Results mg/kg (ppm)
Low to Medium Boiling Point Hydrocarbons	1.0	***************************************	2.1
Benzene	0.0050		0.0020
Toluene	0.0050	***************************************	0.0062
Ethyl Benzene	0.0050	***************************************	0.0091
Xylenes	0.0050		0.084

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** 

Client Project ID: Arco #2169-92-1A/ Oakland

1855 Gateway Blvd. Suite 770

Concord, CA 94520

Attention: Paul Supple

QC Sample Group: 204-0018

Reported: Apr 7, 1992

## **QUALITY CONTROL DATA REPORT**

ANALYTE	_	<b>.</b>	Ethyl-	
	Benzene	Toluene	Benzene	Xylenes
	EPA	EPA	EPA	EPA
Method:	8015/8020	8015/8020	8015/8020	8015/8020
Analyst:	K.N.	K.N.	K.N.	K.N.
Reporting Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Date Analyzed:	Apr 1, 1992	Apr 1, 1992	Apr 1, 1992	Apr 1, 1992
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank
QO Campio	Manin Diaini			
Commis Comp (	N.D.	N.D.	N.D.	N.D.
Sample Conc.:	N.D.	IN.U.	N.D.	N.D.
Spike Conc.				
Added:	0.40	0.40	0.40	1.2
Conc. Matrix				
Spike:	0.36	0.36	0.40	1.2
<b></b>		-		
M. 4.1 . O - 11-4				
Matrix Spike	00	00	400	100
% Recovery:	90	90	100	100
Conc. Matrix				
Spike Dup.:	0.35	0.35	0.39	1.1
Matrix Spike				
Duplicate	00	00	00	00
% Recovery:	88	88	98	92
Relative				
% Difference:	2.8	2.8	2.5	8.7

**SEQUOIA ANALYTICAL** 

Kenneth K.F. Lee Laboratory Manager % Recovery:

Conc. of M.S. - Conc. of Sample x 100

Spike Conc. Added

Relative % Difference:

Conc. of M.S. - Conc. of M.S.D. x 100

(Conc. of M.S. + Conc. of M.S.D.) / 2



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Roux Associates

1855 Gateway Blvd. Suite 770

Concord, CA 94520 Attention: Paul Supple Client Project ID: Matrix Descript: Analysis Method:

First Sample #:

Arco #2169-92-1A/ Oakland Soil

EPA 3550/8015 #2040018

Sampled: Apr 1, 1992 Relogged: Extracted:

Apr 3, 1992 Apr 6, 1992 Apr 7, 1992

Analyzed: Reported: Apr 7, 1992

# **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
204-0018	CD-53 (A-D)	8.6

**Detection Limits:** 

1.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard. Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** 

Associates Client Project ID: Arco #2169-91-1/ Oakland

1855 Gateway Blvd. Suite 770

Concord, CA 94520

Attention: Paul Supple

QC Sample Group: 2010617-20

Reported: Jan 27, 1992

## **QUALITY CONTROL DATA REPORT**

ANALYTE			Ethyl-	<u></u>	<u> </u>		
	Benzene	Toluene	Benzene	Xylenes	TTLC Lead	STLC Lead	
Method: Analyst: Reporting Units: Date Analyzed: QC Sample #:	EPA 8015/8020 K.E. mg/kg Jan 22, 1992 Matrix Blank	EPA 8015/8020 K.E. mg/kg Jan 22, 1992 Matrix Blank	EPA 8015/8020 K.E. mg/kg Jan 22, 1992 Matrix Blank	K.E. mg/kg	EPA 7421 K. Anderson mg/kg Jan 27, 1992 201-0620	EPA 7421 K. Anderson mg/kg Jan 27, 1992 201-0620	
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	38	1.2	
Spike Conc. Added:	0.40	0.40	0.40	1.2	120	2.5	
Conc. Matrix Spike:	0.36	0.38	0.41	1.2	180	3.6	
Matrix Spike % Recovery:	90	95	102	100	118	96	
Conc. Matrix Spike Dup.:	0.35	0.37	0.39	1.2	180	3.8	
Matrix Spike Duplicate % Recovery:	88	92	98	100	118	104	
Relative % Difference:	2.8	2.6	5.0	0.0	0.0	5.4	

SEQUOIA ANALYTICAL

% Recovery:	Conc. of M.S Conc. of Sample Spike Conc. Added	x 100	
Relative % Difference:	Conc. of M.S Conc. of M.S.D. (Conc. of M.S. + Conc. of M.S.D.) / 2	x 100	

1340 Arnold Drive, Suite 231

Martinez, CA 94553 Attention: Paul Supple

Client Project ID: Matrix Descript:

Analysis Method:

First Sample #:

#2169-91-1, Arco

Soil EPA 5030/8015/8020

202-2608

Sampled:

Feb 18, 1992

Received: Feb 18, 1992 Analyzed: Feb 19, 1992

Reported: Feb 21, 1992

# TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	<b>Toluene</b> mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
<b>20</b> 2-2608	CS-35, A-D	2.0	N.D.	0.0070	0.0070	0.012
202-2609	CS-36, A-D	N.D.	N.D.	N.D.	N.D.	N.D.
202-2610	CS-37, A-D	N.D.	N.D.	N.D.	N.D.	N.D.
202-2611	CS-38, A-D	N.D.	N.D.	N.D.	N.D.	N.D.
202-2612	CS-39, A-D	N.D.	N.D.	N.D.	N.D.	N.D.
202-2613	CS-40, A-D	120	0.25	1.9	1.5	7.8
202-2614	CS-41, A-D	N.D.	N.D.	N.D.	N.D.	N.D.
202-2615	CS-42, A-D	N.D.	N.D.	N.D.	N.D.	N.D.
202-2616	CS-43, A-D	N.D.	N.D.	N.D.	N.D.	N.D.

Detection Limits:	1.0	0.0050	0.0050	0.0050	0.0050

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** 

Maile A. Springer Project Manager



**Roux Associates** 1340 Arnold Drive, Suite 231 Martinez, CA 94553 Attention: Paul Supple

Client Project ID: Matrix Descript: Analysis Method:

First Sample #:

#2169-91-1, Arco Soil

EPA 5030/8015/8020 202-2617

Sampled: Received:

Feb 18, 1992 Feb 18, 1992

Analyzed: Feb 19, 1992 Reported:

Feb 21, 1992

# TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample	Sample	Low/Medium B.P.	Ethyl			
Number	Description	Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
202-2617	CS-44, A-D	1.1	N.D.	N.D.	N.D.	N.D.

Detection Limits:	1.0	0.0050	0.0050	0.0050	0.0050	

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maile A. Springer Project Manager



Sample

Roux Associates

Sample

1340 Arnold Drive, Suite 231

Martinez, CA 94553 Attention: Paul Supple Client Project ID: Matrix Descript: #2169-91-1, Arco

Soil

Analysis Method: EPA 3550/8015

First Sample #:

High B.P.

202-2608

Sampled:

Feb 18, 1992

Received: Feb 18, 1992

Analyzed:

Feb 19, 1992

Reported: Feb 21, 1992

# **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

202-2608       CS-35, A-D       8.6         202-2609       CS-36, A-D       4.2         202-2610       CS-37, A-D       3.4         202-2611       CS-38, A-D       12         202-2612       CS-39, A-D       2.0         202-2613       CS-40, A-D       20         202-2614       CS-41, A-D       3.0         202-2615       CS-42, A-D       3.8         202-2616       CS-43, A-D       19         202-2617       CS-44, A-D       17	Number	Description	Hydrocarbons mg/kg (ppm)	
202-2610       CS-37, A-D       3.4         202-2611       CS-38, A-D       12         202-2612       CS-39, A-D       2.0         202-2613       CS-40, A-D       20         202-2614       CS-41, A-D       3.0         202-2615       CS-42, A-D       3.8         202-2616       CS-43, A-D       19	202-2608	CS-35, A-D	8.6	
202-2611       CS-38, A-D       12         202-2612       CS-39, A-D       2.0         202-2613       CS-40, A-D       20         202-2614       CS-41, A-D       3.0         202-2615       CS-42, A-D       3.8         202-2616       CS-43, A-D       19	202-2609	CS-36, A-D	4.2	
202-2612       CS-39, A-D       2.0         202-2613       CS-40, A-D       20         202-2614       CS-41, A-D       3.0         202-2615       CS-42, A-D       3.8         202-2616       CS-43, A-D       19	202-2610	CS-37, A-D	3.4	
202-2613       CS-40, A-D       20         202-2614       CS-41, A-D       3.0         202-2615       CS-42, A-D       3.8         202-2616       CS-43, A-D       19	202-2611	CS-38, A-D	12	
202-2614 CS-41, A-D 3.0 202-2615 CS-42, A-D 3.8 202-2616 CS-43, A-D 19	202-2612	CS-39, A-D	2.0	
202-2615 CS-42, A-D 3.8 202-2616 CS-43, A-D 19	202-2613	CS-40, A-D	20	
202-2616 CS-43, A-D 19	202-2614	CS-41, A-D	3.0	
	202-2615	CS-42, A-D	3.8	
202-2617 CS-44, A-D 17	202-2616	CS-43, A-D	19	
	202-2617	CS-44, A-D	17	

Detection Limits: 1.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard. Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** 

-Maile A. Springer Project Manager



Roux Associates 1340 Amold Drive, Suite 231

Martinez, CA 94553

Attention: Paul Supple

Client Project ID: Sample Descript: #2169-91-1, Arco

Soil Composite, CS-38

Lab Number: 202-2611

Sampled: Received:

Feb 18, 1992 Feb 18, 1992

Extracted: Feb 20, 1992

Analyzed: Feb 20, 1992 Reported: Feb 21, 1992

### **LABORATORY ANALYSIS**

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maile A. Springer Project Manager



Client Project ID: Arco #2169-92-1A/ Oakland

1855 Gateway Blvd. Suite 770

Concord, CA 94520

Attention: Paul Supple

QC Sample Group: 204-0018

Reported: Apr 7, 1992

### **QUALITY CONTROL DATA REPORT**

NALYTE

Diesel

Method:

EPA8015

Analyst:

A. Tuzon

Reporting Units: Date Analyzed:

mg/Kg Apr 7, 1992

QC Sample #:

Matrix Blank

Sample Conc.:

N.D.

Spike Conc.

Added:

10

Conc. Matrix

Spike:

8.1

Matrix Spike

% Recovery:

81

Conc. Matrix

Spike Dup.:

7.9

Matrix Spike **Duplicate** 

% Recovery:

79

Relative

% Difference:

2.6

**SEQUOIA ANALYTICAL** 

% Recovery:

Conc. of M.S. - Conc. of Sample

x 100

Spike Conc. Added

Relative % Difference:

Conc. of M.S. - Conc. of M.S.D. (Conc. of M.S. + Conc. of M.S.D.) / 2 x 100

# RECEIVED APR 1 3 1992

Apr 7, 1992

Apr 7, 1992

Apr 7, 1992

Apr 9, 1992

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Arco #2169-92-1A/ Oakland Sampled: Client Project ID: Roux Associates Received: Soll 1855 Gateway Blvd. Suite 770 Matrix Descript: Analyzed: Analysis Method: EPA 5030/8015/8020 Concord, CA 94520 Attention: Paul Supple First Sample #: 204-0199 Reported:

## TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
204-0199	CS-54 (A-D)	37	N.D.	0.022	0.028	0.097
204-0200	CS-55 (A-D)	14	N.D.	0.012	N.D.	0.024

Detection Limits: 2.0 0.010 0.010 0.010 0.010

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

**SEQUOIA ANALYTICAL** 

Roux Associates 1855 Gateway Blvd. Suite 770 Concord, CA 94520 Attention: Paul Supple Client Project ID: Arco #2169-92-1A/ Oakland

Matrix Descript: Soil

Analysis Method: EPA 3550/8015 First Sample #: 204-0199 Sampled: Apr 7, 1992 Received: Apr 7, 1992 Extracted: Apr 8, 1992 Analyzed: Apr 9, 1992

Reported: Apr 9, 1992

# TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
204-0199	CS-54 (A-D)	160
204-0200	CS-55 (A-D)	61

Detection Limits: 10
----------------------

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Client Project ID: Arco #2169-92-1A/ Oakland Roux Associates Sampled: 1855 Gateway Blvd. Suite 770 Sample Descript: Soil Received: Concord, CA 94520 Analysis Method: California LUFT Manual, 12/87 Extracted: Attention: Paul Supple First Sample #: 204-0199 Analyzed: Reported:

### **ORGANIC LEAD**

Sample Number	Sample Description	Sample Results mg/kg (ppm)
204-0199	CS-54 (A-D)	N.D.
204-0200	CS-55 (A-D)	N.D.

Detection Limits: 0.050

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** 

Kenneth K.F. Lee Laboratory Manager Apr 7, 1992

Apr 7, 1992

Apr 9, 1992

Apr 9, 1992

Apr 9, 1992



Client Project ID: Arco #2169-92-1A/ Oakland

1855 Gateway Blvd. Suite 770

Concord, CA 94520 Attention: Paul Supple

QC Sample Group: 2040199-200

Reported: Apr 9, 1992

## **QUALITY CONTROL DATA REPORT**

ANALYTE			Ethyl-			
····	Benzene	Toluene	Benzene	Xylenes	Diesel	Organic Lead
Method: Analyst: Reporting Units: Date Analyzed: QC Sample #:	EPA 8015/8020 K.N. mg/Kg Apr 7, 1992 Matrix Blank	EPA8015 A. Tuzon mg/Kg Apr 8, 1992 Matrix Blank	LUFT] T.Mascarenas mg/Kg Apr 9, 1992 Matrix Blank			
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	0.40	0.40	0.40	1.2	10	4.0
Conc. Matrix Spike:	0.36	0.36	0.39	1.2	8.7	4.0
Matrix Spike % Recovery:	90	90	98	92	87	100
Conc. Matrix Spike Dup.:	0.37	0.36	0.39	1.2	7.3	4.0
Matrix Spike Duplicate % Recovery:	93	90	98	100	73	100
Relative % Difference:	2.7	0.0	0.0	8.7	19	0.0

**SEQUOIA ANALYTICAL** 

% Recovery:	Conc. of M.S Conc. of Sample	x 100	
	Spike Conc. Added		
Relative % Difference:	Conc. of M.S Conc. of M.S.D.	x 100	
<u>-</u>	(Conc. of M.S. + Conc. of M.S.D.) / 2		

1900 Bates Avenue • Suite LM • Concord, California 94520 (510) 686-9600 • FAX (510) 686-9689

Client Project ID: Arco #2169/Oakland Sampled: Roux Associates Apr 10, 1992 Sample Descript.: Soil, CS-56 (A-D) Received: **1855 Gateway Bivd. Suite 770** Apr 10, 1992 Concord, CA 94520 Analysis Method: EPA 5030/8015/8020 Analyzed: Apr 11, 1992 Lab Number: Attention: Paul Supple 204-0412 Reported: Apr 15, 1992 

# **TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTEX DISTINCTION (EPA 8015/8020)**

Analyte	Detection Limit mg/kg (ppm)		Sample Results mg/kg (ppm)
Low to Medium Boiling Point Hydrocarbons	1.0	***********	10
Benzene	0.0050	****************************	0.010
Toluene	0.0050	************	0.018
Ethyl Benzene	0.0050	*************************	0.031
, Xylenes	0.0050	***********	0.27

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL



1855 Gateway Blvd. Suite 770

Concord, CA 94520 Attention: Paul Supple Client Project ID: Arco #2169/Oakland

Matrix Descript: Soil

Analysis Method: EPA 3550/8015 First Sample #: 204-0412 Sampled: Apr 10, 1992 Received: Apr 10, 1992 Extracted: Apr 13, 1992

Analyzed: Apr 14, 1992 Reported: Apr 15, 1992

## **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

Sample Number	Sample Description	High B.P. Hydrocarbons
	•	mg/kg (ppm)
204-0412	CS-56 (A-D)	150

Detection	Limits:	50
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High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

**SEQUOIA ANALYTICAL** 

Roux Associates 1855 Gateway Blvd. Suite 770

Concord, CA 94520 Attention: Paul Supple Client Project ID: Arco #2169/Oakland

Sample Descript: Soil

Analysis Method: California LUFT Manual, 12/87

First Sample #: 204-0412

Sampled: Apr 10, 1992 Received: Apr 10, 1992 Extracted: Apr 14, 1992

Extracted: Apr 14, 1992 Analyzed: Apr 14, 1992

Reported: Apr 15, 1992

### **ORGANIC LEAD**

Sample Number	Sample Description	Sample Results mg/kg (ppm)
204-0412	CS-56 (A-D)	N.D.

Detection Limits: 0.050

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** 



1900 Bates Avenue • Suite LM • Concord, California 94520 (510) 686-9600 • FAX (510) 686-9689

Roux Associates

Client Project ID: Arco #2169/Oakland

1855 Gateway Blvd. Suite 770

Concord, CA 94520 Attention: Paul Supple

QC Sample Group: 204-0412

Reported: Apr 15, 1992

## **QUALITY CONTROL DATA REPORT**

ANALYTE	Ethyl-					
	Benzene	Toluene	Benzene	Xylenes	Diesel	Organic Lead
	EPA	<b>E</b> PA	EPA	EPA		
Method:	8015/8020	8015/8020	8015/8020	8015/8020	EPA8015	LUFT
Analyst:	K.E.	K.E.	K.E.	K.E.	A. Tuzon	K. Anderson
Reporting Units:	mg/kg	<b>mg/</b> kg	mg/kg	mg/kg	mg/kg	mg/kg
Date Analyzed:	Apr 10, 1992	Apr 10, 1992	•	Apr 10, 1992	Apr 16, 1992	Apr 14, 1992
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	204-0412
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	0.40	0.40	0.40	1,2	10	25
Added:	0.40	0.40	0.40	1,2	10	20
Conc. Matrix						
Spike:	0.43	0.44	0.46	1.4	8.0	27
Matrix Spike						
% Recovery:	108	110	115	117	80	108
Conc. Matrix						
Spike Dup.:	0.43	0.44	0.46	1.4	7.9	25
Matrix Spike						
Duplicate % Recovery:	108	110	115	117	79	100
,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	100					
Relative	_	<b>.</b> -			4 -	
% Difference:	0.0	0.0	0.0	0.0	1.3	7.7

SEQUOIA ANALYTICAL

% Recovery:	Conc. of M.S Conc. of Sample Spike Conc. Added	x 100	
Relative % Difference:	Conc. of M.S Conc. of M.S.D.	x 100	



Roux Associates Client Project ID: Arco #2169-91-1 Sampled: Apr 16, 1992 1855 Gateway Blvd. Suite 770 Matrix Descript: Soil Received: Apr 16, 1992 Apr 16, 1992 Analysis Method: EPA 5030/8015/8020 Analyzed: Concord, CA 94520 Attention: Paul Supple First Sample #: 204-0668 Reported: Apr 20, 1992 8

### TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
204-0668	CS-57(A-D)	15	N.D.	0.030	0.012	0.076

Detection Limits: 2.0 0.010 0.010 0.010 0.010

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

ISEQUOIA ANALYTICAL



1900 Bates Avenue • Suite LM • Concord, California 94520 (510) 686-9600 • FAX (510) 686-9689

Roux Associates 1855 Gateway Blvd. Suite 770 Client Project ID: Matrix Descript:

Sampled: Received:

Apr 16, 1992

Concord, CA 94520

Analysis Method:

EPA 5030/8015/8020

Arco #2169-91-1

Analyzed:

Apr 16, 1992 § Apr 16, 1992

Attention: Paul Supple

First Sample #:

Reported: 204-0669

Apr 20, 1992 3

# TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Soil

Sample	Sample	Low/Medium B.P.		Ethyl		
n		Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
204-0669	CS-58(A-D)	14	N.D.	0.0090	N.D.	0.020

)
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ow to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL



1900 Bates Avenue • Suite LM • Concord, California 94520 (510) 686-9600 • FAX (510) 686-9689

Roux Associates 1855 Gateway Blvd. Suite 770 Concord, CA 94520 Attention: Paul Supple

Client Project ID: Arco #2169-91-1 Matrix Descript: Soil

Analysis Method: EPA 3550/8015 First Sample #: 204-0668

Received: Apr 16, 1992 Extracted: Apr 17, 1992 Analyzed: Apr 20, 1992

Sampled:

Reported: Apr 20, 1992

Apr 16, 1992

## **TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)**

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)		
204-0668	CS-57(A-D)	150		
204-0669	CS-58(A-D)	61		

Detection Limits:	10
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High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL



1900 Bates Avenue • Suite LM • Concord, California 94520 (510) 686-9600 • FAX (510) 686-9689

Roux Associates

204-0668

1855 Gateway Blvd. Suite 770

Concord, CA 94520 Attention: Paul Supple Client Project ID:

Arco #2169-91-1

Sample Descript: Soil

Analysis Method: California LUFT Manual, 12/87

First Sample #: 204-0668 Sampled:

Apr 16, 1992

Received: Apr 16, 1992 Extracted:

Apr 17, 1992 Analyzed: Apr 17, 1992

Reported: Apr 20, 1992

### **ORGANIC LEAD**

Sample Sample Sample Description Results Number mg/kg (ppm) N.D.

CS-57(A-D)

**Detection Limits:** 

0.050

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL



Client Project ID: Arco #2169-91-1

1855 Gateway Blvd. Suite 770

Concord, CA 94520

Attention: Paul Supple

QC Sample Group: 2040668-669

Reported: Apr 20, 1992

### **QUALITY CONTROL DATA REPORT**

ANALYTE			Ethyl-		····	<del></del>
	Benzene	Toluene	Benzene	Xylenes	Diesel	Organic Lead
Method:	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA8015	LUFT .
Analyst:	K.E.	K.E.	K.E.	K.E.	A. Tuzon	T.Mascarenas
Reporting Units: Date Analyzed:	mg/Kg Apr 16, 1992	mg/Kg Apr 16, 1992	mg/Kg Anr 16 1992	mg/Kg Apr 16, 1992	mg/Kg Apr 19, 1992	mg/Kg Apr 17 1992
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	0.40	0.40	0.40	1.2	10	4.0
Conc. Matrix Spike:	0.27	0.31	0.36	1.1	8.8	3.9
Matrix Spike % Recovery:	68	78	90	92	88	98
Conc. Matrix Spike Dup.:	0.28	0.32	0.37	1.1	8.9	4.3
Matrix Spike Duplicate % Recovery:	70	80	93	92	89	108
Relative % Difference:	3.6	3.2	2.7	0.0	1.1	9.8

SEQUOIA ANALYTICAL

% Recovery:

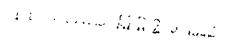
Conc. of M.S. - Conc. of Sample x 100 Spike Conc. Added

Relative % Difference:

Conc. of M.S. - Conc. of M.S.D. (Conc. of M.S. + Conc. of M.S.D.) / 2 x 100

Kenneth K.F. Lee Laboratory Manager

2040668.ROU <5>





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Roux Associates

1855 Gateway Blvd. Suite 770 Concord, CA 94520

Attention: Paul Supple 

Client Project ID:

Arco #2169/Oakland Sample Descript.: Soil, CS-59 (A-D)

EPA 5030/8015/8020 Analysis Method: 204-0820 Lab Number:

Sampled:

Apr 20, 1992

Received: Analyzed:

Apr 20, 1992 Apr 20, 1992

Apr 21, 1992 Reported:

# TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTEX DISTINCTION (EPA 8015/8020)

Analyte	Detection Limit mg/kg (ppm)	Sample Results mg/kg (ppm)
Low to Medium Boiling Point Hydrocarbons	1.0 0.0050	 4.1 N.D.
Toluene Ethyl Benzene Xylenes	0.0050 0.0050 0.0050	 N.D. N.D. 0.017

ow to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. nalytes reported as N.D. were not present above the stated limit of detection.

BEQUOIA ANALYTICAL

Kenneth K.F. Lee aboratory Manager 2040820.ROU <1>



## SEQUOIA ANALYTICAL

First Sample #:

1900 Bates Avenue • Suite LM • Concord, California 94520 (510) 686-9600 • FAX (510) 686-9689

Roux Associates
1855 Gateway Blvd. Suite 770
Concord, CA 94520
Attention: Paul Supple

Client Project ID: Arco #2169/Oakland

Matrix Descript: Soil
Analysis Method: EPA 3550/8015

Sampled: Apr 20, 1992
Received: Apr 20, 1992
Extracted: Apr 20, 1992
Analyzed: Apr 21, 1992
Reported: Apr 21, 1992

### TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

204-0820

Sample Number	Sample Description	<b>High B.P. Hydrocarbons</b> mg/kg (ppm)
204-0820	CS-59 (A-D)	25

Detection Limits: 1.0

High Bolling Point Hydrocarbons are quantitated against a diesel fuel standard.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Kenneth K.F. Lee Laboratory Manager 2040820.ROU <2>



# **SEQUOIA ANALYTICAL**

1900 Bates Avenue • Suite LM • Concord, California 94520 (510) 686-9600 • FAX (510) 686-9689

Roux Associates

Client Project ID: Arco #2169/Oakland

855 Gateway Blvd. Suite 770

Concord, CA 94520 Attention: Paul Supple

ttention: Paul Supple QC Sample Group: 204-0820 Reported: Apr 21, 1992

#### QUALITY CONTROL DATA REPORT

ANALYTE			Ethyl-	<del></del>		
ANALYIE	Benzene	Toluene	Benzene	Xylenes	Diesel	
Method: Analyst: Reporting Units: Date Analyzed: QC Sample #:	EPA 8015/8020 K.E. mg/Kg Apr 20, 1992 Matrix Blank	EPA8015 A. Tuzon mg/Kg Apr 21, 1992 Matrix Blank				
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	
Spike Conc. Added:	0.40	0.40	0.40	1.2	10	
Conc. Matrix Spike:	0.31	0.39	0.41	1.2	8.9	
Matrix Spike % Recovery:	78	98	102	100	89	
Conc. Matrix Spike Dup.:	0.31	0.40	0.43	1.3	9.1	
Matrix Spike Duplicate % Recovery:	78	100	108	108	91	
Relative % Difference:	0.0	2.5	4.8	8.0	2.0	

**SEQUOIA ANALYTICAL** 

Kenneth K.F. Lee

aboratory Manager

6 Recovery:	Conc. of M.S Conc. of Sample	x 100	·
-	Spike Conc. Added		
Relative % Difference:	Conc. of M.S Conc. of M.S.D.	x 100	
	(Conc. of M.S. + Conc. of M.S.D.) / 2		
			2040820.ROU <3>

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Su-4		1	× × 1/1491 1315 X												<del></del> -	145						Special QA/QC
SW-5		1	×			7		1/16/91	1320		X			1	<del></del>	144						
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Su-8		1	×			*		1/14/91	1335		×					149						Remarks
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Sample I.D.	Lab no.	Container no.	Soil	Water	Other	lce	Acid	Sampling date	Sampling time	BTEX 602/EPA 8020	BTEXTPH EPA M602/8020/8015	TPH Modified 8015 Gas Dieser					EPA 625/8270	TCLP Semi Metats □ VOA □ VOA □	CAM Melais EPA 60	Lead Org./OHS C		Hond Delivered Special detection	
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AnCO		ol Atlanti	Conn cRichfield	Jany ( Company	7			Task Or	der No.			2	16	₹ <b>-</b>	<b>9</b> 1	_		·				Ch	ain of Custo	dy
ARCO Facili	ty no.	216	9	City (Fa	/ cility)	CAI	c Lx			Project (Consul	manag tanti	let.	PAL	7 - 23'	S	PA	) / E	<del>-</del>					aboratory name	•
ARCO engin	eer		sele	Cas	w.	\$	Telephon (ARCO)	е по.		Telepho (Consul	ne no.	14	77~	23	3 <b>3</b>	Fax	no.	11)	_		· · · · · · · · · · · · · · · · · · ·		Sequel or	
Consultant n	ame	R	ه در		Ms.	sc.	10	Address (Consulta		(001:00:						1100	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						ontraol number	
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Sample 1.D.	Lab no.	Container no.	Soil	Water	Other	lce	Acid	Sampling date	Sampling time	BTEX 602/EPA 8020	ВТЕХ/ТРН - С- ЕРА М602/8020/8015	TPH Modified 8015 Gas Diesel	Oil and Grease 413.1 🔲 413.2 🗅	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Semi Metals □ VOA □ VOA	CAM Metals EPA 6 TTLC STLC	Lead Org /DHS Clead EPA	STLC LCAD			
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<u>Cs-7</u>	(A-0	) 4	*			*		1/17/92	H467	<u> </u>	K					8 B	<u>'</u>				×			
<u>Cs-8</u>	(A-1	4	*			×		1/17/90	1445L		æ			$\mathcal{V}$		9 0	(C)					Sı	pecial QA/QC	
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Relipquished	by						Date		Time	Recei	ved by	laborat		<u> </u>			ate	170		Time	}>;		Standard O Business Days	

ARCO	Brod	ucts	Cam	any				Task Or	der No.	154	<b>₩</b> ₽:		9		1_ =							irain Licus
ARCO Facilit	y no	169				Dakl	and			Project (Consul	manag tant)	er Pa	<u>ul (</u>	٤ '	upp	el						Laboratory name
AHCO engini	er	Chur	:\< (	CAYM			Telephon (ARCO)	10 no. 571	-2469	Telepho (Consul	one no. Itant)	570	7-60	12-6	5 <del>5</del> 5	₹ Fa	k no. Onsultar	11)				Contract number
Consultant n	ame //	uder	Do	n/1	ROUX	AS		Address (Consulta	nt) /85	5				n D	vd		Con		L			
	<u>.,</u>			Matrix	<u> </u>	Preser								Ж				Semi VOA	§		2	Method of shipment
Sample I.D.	Lab no.	Container no.	Soil	Water	Other	Ice	Acid	Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH EPA M602/8020/8015	TPH Modified 8015 Gas X Diesel	Oil and Grease 413.1 U 413.2 U	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Semi Metals □ VOA □ VOA □	CAM Metals EPA 6010/7000	Lead Org.10HS Clead EPA	245 600	
CS9A-20			X			1		112992	1406	X		Х		20		52	6A(	<u> </u>				Special detection Limit/reporting
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																						Remarks  Lab number  Turnaround time  Priority Rush
Condition of Relinquished Relinquished	by san		<u> </u>				Date	8	Time		orature ived by ived by	las	ed:	am	ba	de		· · · · · · · · · · · · · · · · · · ·				 Rush Business Days Business Days Expedited S Business Days
Relinquished	i by			<del></del> ,	<u>, , , , , , , , , , , , , , , , , , , </u>	<u> </u>	Date		Time	Rece	ived by	labora	lory				Date			Time		 Standard 10 Business Days

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ARCO Facility (		2169			y icility)	Dal	iland	•		Project (Consu	manag	ger P	aul	Su	noe	P						Laboratory name
ARCO engineer		huc		Carr	t	N	Telephon (ABCO)	10 no.571	-2469	Telepho (Consul	one no.	510-	607	7) 3	133	Fa:	x no. onsultar	nt)				Contract number
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		7,000	1	Matrix	<del> </del>	i	rvation						8					Ş∰ Ş∰	0007/0			Method of shipment
Sample L.D.	Lab no.	Container no.	Soil	Water	Other	Ice	Acid	Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH EPA M602/8020/8015	TPH Modified 8015 Gas 2 Diesel 🗆	Oil and Grease	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Metals □ VOA □ VOA □	CAM Melals EPA 60	Lead Org./DHS C Lead EPA 7420/7421 C		
CS-15A-710		4	<del>\</del>			X		THIM	1140	X		X				60						Special detection Limit/reporting
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517 A-71)		4	<u> </u>			X		11/192	1200	X		X				603	AD					
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526A-7D		4	7			X		1/21/17	1320	X		X				612	AD					
SZTA-7D		4	X			X		112/19)	1330	X		7				613	AD					Lab number
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ARCO Facili	•	216	1_	Cit (Fi	y scility)	-0	aXIW	iel-s		Projec (Consu	l manag itant)	•	Div	1.	1 WAN	il	力で半						Laboratory name	
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Consultant n	ame ]	Bow		455.	1 .	nder	Don	Address (Consulta		55		rieu	as		vel	<b>4</b> 7			100	W.	<del></del>		Contract number -	•
	-			Matrix	/	Prese	rvation						U		1			i≣\$	0000		9		Method of shipment	
Sample I.D.	Lab no.	Container no.	Soil	Water	Other	tce	Acid	Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH EPA M602/8020/8015	TPH Modified 8015	Oil and Grease 413.1 🗀 413.2 🗀	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Semi Metals □ VOA □ VOA □	CAM Metals EPA 601	Lead Org./DHS TAZO/7421 C	10001 71LS			
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Relinquished							Date		Time	Receiv	red by	aborato	ory				)ale	z/9	7	Time	40	>	Standard 10 Business Days	

ARCO	Produ	ucts of Atlantic	Comp	ompany	<b>\$</b>			Task Or	rder No.	21	69	~ 9	1-1									C	hain of Custo	сy
ARCO Facilit	y no.	216	9	City	y cility) C	O AKLA	و بہ			Project (Consul	manag lanti	ger p	AU L	ર્વ	7 PL	ξ/ <u>-</u>	20	∠ر 	2	7 /	,		Laboratory name	
ARCO engine	er MP	Chi	20b	<u>۱۱٬۵</u>	~ ,		Telephor	ne no. 571 -	2434	Telepho	ne no.	600		. 7.5	₹	Eax	79((		۲	$\forall$	1		SEQUOI'A	
Consultant n	eme R	.00×		Socia			T(MNCO)		10t) 1855											c <sub>A</sub>	945	20	Contract number	
				Matrix		Prese	rvation		_		015	rolot.	רו	<u></u>				NOA 🗆	010/7000	nen			Method of shipment よろ~り	
Sample I.D.	Lab no.	Container no.	Soil	Water	Other	ice	Acid	Sampling date	Sampling time	BTEX 602/EPA 8020	BTEXTPH EPA M602/8020/8015	TPH Modified 8015 Gas Diesel 52	Oil and Grease 413.1 C 413.2 C	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Sem Metals □ VOA □ VOA	CAM Metals EPA 6010/7000 TTLC ☐ STLC ☐	Lead Org /OHS 25 Lead EPA 7420/7421			DELIVERED  Special detection	
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cs-37A-0			*			×		2/18/92	15:25		*	*								5dc		10		
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ARCO	Pro:	ducts	Com cRichfield	pany Company	<b>\$</b>			Task O	rder No.	2	KG.	-91	-									Ch	ain of Custody	
ARCO Facili		2169		Cit (Fa	ly aclilty)	OAKU	₩D	-		Project (Consu	manaç	ger	PAU		مبركم	UF						La	boratory name	_
ARCO engir	100	Cluck	CA				Telephor (ARCO)	ne no.	<del></del>	Telepho (Consu		100	-23	<del>-</del>		Fo	x no.	nt) C\$	7-1	7 < 8			REQUOIA	
Consultant r	ame .	Pour	Ass	OCIA	र १८५		1000)	Address (Consulta	ant) 185	75 E					<u>*</u> #77			Jeve		<u> </u>		<b>→</b>  °	ontract number .	
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		ا و			<u> </u>	<del> </del>	$\overline{}$	ate	98		0/8015	8 E	20	88				S O	<b>\$</b> 0		1		<b>CIM</b> H	
Sample I.D,	Lab no.	Container no.	Soil	Water	Other	ice	Acid	Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH EPA M602/8020/8015	TPH Modified 8015 Gas LX Diesel (X	Oil and Grease 413.1  413.2	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Semi	CAM Negals EPA 6010/7000	Lead Org./DHS ☐ Lead EPA 7420/7421 ☐				
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ARCO Facilit		1180			y scility)	∩ <sub>A</sub>	KlANO			Project (Consul	manag tant)	ег	P	101	_\$	UPS	olc_					Laboratory name	
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				Matrix		Presei	vation											Semi JVOA	50107000			Method of shipment	
Sample I.D.	Lab no.	Container no.	Soil	Water	Other	îce	Acid	Sampling date	Sampling time	8TEX 602/EPA 8020	BTEX/TPH EPA M602/8020/8015	TPH Modified 8015 Gas Diesel D	Oil and Grease 413.1 ☐ 413.2 ☐	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270		CAM Metals EPA TTLC C STLC	Lead Org./DHS CLead EPA		Special detection	
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ARCO I	Proc	lucts (	Comp	pany Company	<b>*</b>			Task Or	der No.		(16'	9-1	91-	- 1	sup.							Chain of Custody
ARCO Facilit		216			ty acility)	CAL	CLANC		1	Project	manag	er & A	اں		مرى	PLE						Laboratory name
ARCO engine	er	Chuc				<u> </u>	Telephor	10 no. 415 57	1 3112 11	Telepho	one 70.	1.3)	<u></u>		2 27	l Fax	no.					SECODIA
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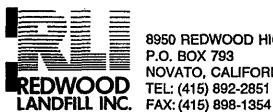
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### APPENDIX C

Soil Disposal Documentation



8950 REDWOOD HIGHWAY P.O. BOX 793 **NOVATO, CALIFORNIA 94948** TEL: (415) 892-2851

- PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.
- CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
- NO RUMMAGING IN DUMP AREA.
- NO SMOKING ON DUMP SITE.
- PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

VEHICLE: DILLARD

RIVER'S SIGNATURE

RECEIVED BY DILLARD TRUCKING CUSTOMER:

TIME:

YARDS:

2345 ACCOUNT NUMBER: JOB NUMBER: DAKLAND

DESC: **GRAND AVE** 

DATE: 2/10/92

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COMMODITY: O.C./P.C. DIRT/PLAST

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P.O. BOX 793

**NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851 FAX: (415) 898-1354  PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

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· NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER:

2345

DILLARD TRUCKING CUSTOMER:

DESC: OAKLAND

TIME: 12: 9:35

DATE: 2/10/92

COMMODITY: O.C./P.C. DIRT/PLAST

JOB NUMBER: OAKLAND

VEHICLE: DILLARD

YARDS:

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RECEIVED BY

LOAD # : 139

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TOTAL 252.00



8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 TEL: (415) 892-2851

FAX: (415) 898-1354

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CHILDREN AND PETS ARE NOT ALLOWED OUT

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NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

PERSONS USING THESE PREMISES DO SO AT

DRIVER'S SIGNATURE

RECÈTVED BY

ACCOUNT NUMBER: JOB NUMBER: GRAND AVE

VEHICLE: DILLARD

2345

CUSTOMER: DILLARD TRUCKING

DAKLAND DESC:

TIME: 9:25:13

DATE: 2/10/92

COMMODITY: O.C./P.C. DIRT/PLAST

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8950 REDWOOD HIGHWAY P.O. BOX 793

**NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851 FAX: (415) 898-1354 • PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

**CHILDREN AND PETS ARE NOT ALLOWED OUT** OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

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PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

RIVER'S SIGNATURE

ACCOUNT NUMBER:

VEHICLE: DILLARD

2345 JOB NUMBER: DAKLAND

CUSTOMER: DILLARD TRUCKING

DESC: GRAND AVE

TIME: 12:42:42

DATE: 2/10/92

COMMODITY: O.C./P.C. DIRT/PLAST

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TOTAL 252.00 INVOICE: 30404



REDWOOD LANDFILL INC. 8950 REDWOOD HIGHWAY

P.O. BOX 793

**NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851

FAX: (415) 898-1354

 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

. NO RUMMAGING IN DUMP AREA.

. NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER:

VEHICLE: DILLARD

JOB NUMBER:

2345

CUSTOMER: DILLARD TRUCKING

DESC: GRAND AVE

TIME: 9:20:37

DATE: 2/10/92

COMMODITY: O.C./P.C. DIRT/PLAST.

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8950 REDWOOD HIGHWAY P.O. BOX 793

**NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851 FAX: (415) 898-1354  PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER: 2345 CUSTOMER: DILLARD TRUCKING

DESC: DAKLAND

JOB NUMBER: GRAND AVE VEHICLE: DILLARD TIME: 12:12:36

DATE: 2/10/92

COMMODITY: O.C./P.C. DIRT/PLAST

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8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 TEL: (415) 892-2851 FAX: (415) 898-1354

 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

ACCOUNT NUMBER:

VEHICLE: DILLARD

JOB NUMBER:

2345

DAKLAND

DILLARD TRUCKING CUSTOMER:

GRAND AVE. DESC:

TIME: 9:35:26 DATE: 2/10/92

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YARDS: 18.00 LOAD # 84 COMMODITY: O.C./P.C. DIRT/PLAST

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TOTAL 252.00 INVOICE: 30368 \*\*\* CHARGEOWER COPY B2/S2-2



8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 TEL: (415) 892-2851 FAX: (415) 898-1354

- PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.
- CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
- NO RUMMAGING IN DUMP AREA.
- NO SMOKING ON DUMP SITE.
- PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

RECEIVED BY

ACCOUNT NUMBER: JOB NUMBER: GRAND

VEHICLE: DILLARD

2345

DILLARD TRUCKING CUSTOMER:

DESC: DAKLAND

TIME: 12:49:47

DATE: 2/10/92

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8950 REDWOOD HIGHWAY P.O. BOX 793

**NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851

FAX: (415) 898-1354

 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

RIVER'S SIGNATURE

RECEIVED BY

ACCOUNT NUMBER: DAKLAND

2345

CUSTOMER:

DILLARD TRUCKING

VEHICLE: DILLARD

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NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851 FAX: (415) 898-1354

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NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

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VEHICLE: DILLARD

DILLARD PRUCKING CUSTOMER:

GRAND AVE DESC:

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2/10/92 DATE:

COMMODITY: O.C./P.C. DIRT/PLAST

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REDWOOD HIGHWAY
P.O. BOX 793
NOVATO, CALIFORNIA 94948
TEL: (415) 892-2851
LANDFILL INC. FAX: (415) 898-1354

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

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VEHICLE: DILLARD

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CUSTOMER: DILLARD TRUCKING

DESC: DAKLAND

TIME: 10:39: 0

DATE: 2/10/92

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8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 TEL: (415) 892-2851

PERSONS USING THESE PREMISES DO'SO AT THEIR OWN RISK. CHILDREN AND PETS ARE NOT ALLOWED OUT

OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

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VEHICLE: BRODSKY

ACCOUNT NUMBER: 2345 JOB NUMBER: DAKLAND

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**NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851 FAX: (415) 898-1354 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.
PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

ACCOUNT NUMBER: 2345 JOB NUMBER:

VEHICLE: DILLARD

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CUSTOMER: DILLARD TRUCKING

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P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851

FAX: (415) 898-1354

PERSONS USING THESE PREMISES DO SO ANTHEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

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PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

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ACCOUNT NUMBER: 2345

JOB NUMBER: OAKLAND

VEHICLE: L&L

CUSTOMER: DILLARD TRUCKING

DESC: GRAND AVE

TIME: 13: 9:47

DATE: 2/10/92

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REDWOOD LANDFILL INC. 8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 TEL: (415) 892-2851 FAX: (415) 898-1354  PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

• CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER:

VEHICLE: DILLARD

JOB NUMBER: OAKLAND

2345

CUSTOMER: DILLARD TRUCKING

DESC: GRAND AVE

TIME: 10:26:40

DATE: 2/10/92

COMMODITY: O.C./P.C. DIRT/PLAST

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LANDFILL INC.

8950 REDWOOD HIGHWAY P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851

FAX: (415) 898-1354

 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT

OF VEHICLES. NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

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ACCOUNT NUMBER: JOB NUMBER: OAKLAND

VEHICLE: DILLARD

2345

CUSTOMER: DILLARD TRUCKING

DESC: GRAND AVE

TIME: 13:54:24

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8950 REDWOOD HIGHWAY P.O. BOX 793 **NOVATO, CALIFORNIA 94948** TEL: (415) 892-2851

FAX: (415) 898-1354

 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

RECEIVED BY

ACCOUNT NUMBER: 2345 JOB NUMBER: OAKLAND

CUSTOMER: DILLARD TRUCKING DESC: GRAND AVE

DATE: 2/10/92

VEHICLE: DILLARD

TIME: 10:36: 9

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INVOICE: 30382

ANDFILL INC

8950 REDWOOD HIGHWAY P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851 FAX: (415) 898-1354 PERSONS USING THESE PREMISES DO SO AT

THEIR OWN RISK.
CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

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ACCOUNT NUMBER:

2345

CUSTOMER: DILLARD TRUCKING

JOB NUMBER: DAKLAND VEHICLE: FERREIRO

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GRAND AVE TIME: 14:19:32

DATE: 2/10/92

COMMODITY: O.C./P.C. DIRT/PLAST

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8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 TEL: (415) 892-2851 FAX: (415) 898-1354

- PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.
- CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
- NO RUMMAGING IN DUMP AREA.
- NO SMOKING ON DUMP SITE.
- PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

RIVER'S SIGNATURE

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ACCOUNT NUMBER: 2.
JOB NUMBER: OAKLAND

VEHICLE: DILLARD

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CUSTOMER: DILL

DILLARD TRUCKING

DESC:

: GRAND AVE

TIME: 10:32:40

DATE: 2/10/92

COMMODITY: O.C./P.C. DIRT/PLAST

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8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 TEL: (415) 892-2851

**EDVVOOD** TEL: (415) 892-2851 **ANDFILL INC.** FAX: (415) 898-1354

- PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.
- CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
- NO RUMMAGING IN DUMP AREA.
- NO SMOKING ON DUMP SITE.

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PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE D-10,93

ACCOUNT NUMBER:

JOB NUMBER: OAKLAND

VEHICLE: REDINGER

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CUSTOMER: DILLARD TRUCKING

DESC: GRAND AVE

TIME: 14: 2:32

DATE: 2/10/92

COMMODITY: O.C./P.C. DIRT/PLAST

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8950 REDWOOD HIGHWAY

P.O. BOX 793

**NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851 FAX: (415) 898-1354  PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

RESERVED BY

ACCOUNT NUMBER: 2345
JOB NUMBER: GRAND AVE

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CUSTOMER: DILLARD TRUCKING

DESC: OAKLAND

VEHICLE: DILLARD

TIME: 10:44:18

DATE: 2/10/92

COMMODITY: O.C./P.C. DIRT/PLAST

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8950 REDWOOD HIGHWAY P.O. BOX 793

**NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851 FAX: (415) 898,1354 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

2345

CUSTOMER:

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ACCOUNT NUMBER: DESC: OAKLAND

VEHICLE: DILLARD

TIME: 13:59:55

DILLARD TRUCKING

DATE: 2/10/92

COMMODITY: O.C./P.C. DIRT/PLAST

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TO THE STATE OF TH

252.00 TOTAL INVOICE: 30412 REDWOOD LANDFILL INC.

8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851 FAX: (415) 898-1354  PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

. NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

RIVER'S SIGNATURE

RECEIVED BY

ACCOUNT NUMBER: 2345 CUSTOMER: DILLARD TRUCKING

JOB NUMBER: OAKLAND DESC: GRAND AVE

VEHICLE: DILLARD TIME: 11:45:32 DATE: 2/10/92

COMMODITY: O.C./P.C. DIRT/PLAST YARDS: <18.00 LOAD # : 132

PER YARD 14.00 FEE 252.00

TOTAL 252.00 B1/S1-1 \*\*\* CHARGEO\*\*\*\* COPY INVOICE: 30394



8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 TEL: (415) 892-2851 FAX: (415) 898-1354

- PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.
- CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
- NO RUMMAGING IN DUMP AREA.
- · NO SMOKING ON DUMP SITE.
- . PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER: 2345
JOB NUMBER: OAKLAND

VEHICLE: DILLARD.

RECEIVED BY
CUSTOMER: DILLARD TRUCKING

DESC: GRAND AVE

TIME: 11: 8:58

DATE: 2/10/92

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS:

18.00

LOAD # : 116

PER YARD

A CONTRACTOR OF THE PROPERTY O

14.00

FEE

252.00

-- -- -- --

B1/S1-1

\*\*\* CHORGEO\*\*\* CC

TOTAL 252.00 INVOICE: 30387



REDWOOD LANDFILL INC. 8950 REDWOOD HIGHWAY

P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851 FAX: (415) 898-1354  PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

. NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER: 2: JOB NUMBER: OAKLAND

VEHICLE: DILLARD

2345

CUSTOMER: DILLARD TRUCKING

DESC: GRAND

TIME: 14:42:44

DATE: 2/10/92

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS:

18.00

LOAD # : 175

PER YARD

14.00

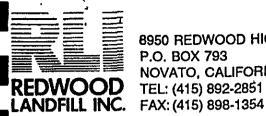
FEE

252.00

B2/S2-2

\*\*\* CHARGEONES COPY

TOTAL 252.00 INVOICE: 30421



8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 TEL: (415) 892-2851

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVÉR'S SIGNATURE

2345 ACCOUNT NUMBER:

DAKLAND JOB NUMBER:

VEHICLE: DUARTE

TRUCKING DILLARD CUSTOMÉR:

GRAND AVE. DESC:

TIME: 11:26:53

DATE: 2/10/92

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS:

18.00

RECEIVED BY

LOAD # 123

PER YARD

14.00

FEE ·

252.00

\*\*\* CHARGEOMER COPY

252.00 TOTAL INVOICE: 30390



8950 REDWOOD HIGHWAY

P.O. BOX 793

**NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851

FAX: (415) 898-1354

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

**DRIVER'S SIGNATURE** 

2345

DILLARD TRUCKING CUSTOMER:

GRAND DESC:

JOB NUMBER: DAKLAND VEHICLE: DUARTE

ACCOUNT NUMBER:

TIME: 14:35:47

DATE: 2/10/92

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS:

18.00

RECEIVED BY

LOAD.# 173

PER YARD

14.00

FEE

<sup>252.00</sup>

B1/S1-1

CHARGEOMER COPY

The state of the s

TOTAL 252.00

INVOICE: 30419



8950 REDWOOD HIGHWAY

P.O. BOX 793

**NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851 FAX: (415) 898-1354 NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT

PERSONS USING THESE PREMISES DO SO AT

CHILDREN AND PETS ARE NOT ALLOWED OUT

DRIVER'S SIGNATURE

RECEIVED BY

THEIR OWN RISK.

OF VEHICLES.

ACCOUNT NUMBER: 2345
JOB NUMBER: GRAND AVE

CUSTOMER: DILLARD TRUCKING DESC: OAKLAND

VEHICLE: DILLARD

TIME: 11:21: 7

DATE: 2/10/92

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS: 1

18.00

LOAD # : 119

PER YARD

14.00

FEE .

252.00

BO/SO-0

CUSTOMER COPY

TOTAL 252.00 INVOICE: 30389



REDWOOD LANDFILL INC. 8950 REDWOOD HIGHWAY

P.O. BOX 793

**NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851

FAX: (415) 898-1354

 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER:

VALAND

JOB NUMBER: OAKLAND

VEHICLE: HEIN

2345 CUSTOMER: DILLARD TRUCKING

DESC: GRANDE AVE

TIME: 14: 6: 7

DATE: 2/10/92

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS:

18.00

RECEIVED BY

LOAD # : 166

PER YARD

14.00

FEE

252.00

B1/S1-1

\*\*\* CHARGE ONMER COPY

THE STATE OF THE PROPERTY OF T

TOTAL 252.00 INVOICE: 30414

ACCOUNT NUMBER: JOB NUMBER: OAKLAND VEHICLE: D.J. COMMODITY: O.C./P.C. DIRT/PLAST

8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 TEL: (415) 892-2851 FAX: (415) 898-1354

2345

THEIR OWN RISK. CHILDREN AND PETS ARE NOT ALLOWED OUT

OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

WED BY

DILLARD TRUCKING CUSTOMER:

DESC: GRAND AVE. TIME: 7:40:39 DATE: 2/11/92

YARDS: 18.00 LOAD #

PER YARD

252.00 FEE

TOTAL INVOICE: 30483

\*\*\* CHORGEOMER COPY

0/50-0

THEIR OWN RISK. 8950.REDWOOD HIGHWAY P.O. BOX 793 OF VEHICLES 2.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE:

PLEASE NOTIFY OFFICE OF ANY COMPLAINT. NOVATO, CALIFORNIA 94948 **OOD** TEL (415) 892-2851 IDFILL\*INC. FAX: (415) 898-1354 RECEIVED BY CUSTOMER: DILLARD TRUCKING ACCOUNT NUMBER: 2345 JOB NUMBER: OAKLAND DESC: GRAND AVE TIME: 11:17: 9 DATE: 2/11/92 VEHICLE: D.J. COMMODITY: O.C./P.C. DIRT/PLAST YARDS: 18.00 LOAD # : 136 PER YARD 14.00 FEE 252.00 TOTAL 252.00 INVOICE: 30535 \*\*\* CHARGEOMER COPY 1/51-1



8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 TEL: (415) 892-2851

FAX: (415) 898-1354

VER'S SIGNATURE and the

ACCOUNT NUMBER: \* 2345 JOB NUMBER: CAKLAND

VEHICLE: BRODSKY

CUSTOMER: DILLARD TRUCKING ...

DESC: GRAND AVE

TIME: 8:23:58 DAT

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS: 18.00 LOAD # :

PER YARD 14.00 FEE

PERSONS USING THESE PREMISES DO SO.
THEIR OWN RISK.
CHILDREN AND PETS ARE NOT ALLOWED OUT

NO SMOKING ON DUMP SITE

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

OF VEHICLES.
NO RUMMAGING IN DUMP AREA.

 PERSONS USING THESE PREMISES DO SO AT 8950 REDWOOD HIGHWAY THEIR OWN RISK CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA. NOVATO, CALIFORNIA 94948 DWOOD TEL (415) 892-2851 . NO SMOKING ON DUMP SITE. FILL INC. FAX: (415) 898-1354 PLEASE NOTIFY OFFICE OF ANY COMPLAINT. IVER'S SIGNATURE RECEIVED BY ACCOUNT NUMBER: 2345 CUSTOMER: DILLARD TRUCKING
JOB NUMBER: DAKLAND DESC: GRAND AVE
VEHICLE: BRODSKY TIME: 11:42:38 DATE: 2/11/92 VEHICLE DINDERS PARTIES THE STATE OF THE STA

COMMODITY: 0.C./P. C. DIRT YARDS: 18.00 LOAD #: 147
PER YARD 10.00 FEE 180.00



8950 REDWOOD HIGHWAY

P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851 🔆

FAX: (415) 898-1354

PERSONS USING THESE PREMISES DO SO THEIR OWN RISK

- CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
- NO RUMMAGING IN DUMP AREA. NO SMOKING ON DUMP SITE.

PIVER'S SIGNATURE

ACCOUNT NUMBER

. JOB NUMBER: DAKLAND

VEHICLE: BROSKY

CUSTOMER: DILLARD TRUCKING

DESC: - GRAND AVE

TIME: 14:59:57

YARDS: 🖓 🔻

18.00



8950 REDWOOD HIGHWAY

P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851 FAX: (415) 898-1354

OF VEHICLES. NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

THEIR OWN RISK.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

PERSONS USING THESE PREMISES DO SO AT

CHILDREN AND PETS ARE NOT ALLOWED OUT

ACCOUNT NUMBER: 2345 JOB NUMBER: OAKLAND

VEHICLE: L&L

CUSTOMER: DILLARD TRUCKING

DESC: GRANT AVE

TIME: 11: 2:40

DATE: 2/11/92

COMMODITY: O.C./P.C. DIRT/PLAST YARDS:

18.00

LOAD # : 125

PER YARD

14.00

FEE

252.00

1/51-1

\*\*\* CHARGE ON COPY

252.00 TOTAL INVOICE: 30531



8950: REDWOOD HIGHWAY

P.O. BOX 793

**NOVATO, CALIFORNIA 94948** 

. PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

11.54,

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

• NO RUMMAGING IN DUMP AREA.

. NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

BIVER'S SIGNATURE

RECEIVED BY

ACCOUNT NUMBER:

VEHICLE: L&L

2345 JOB NUMBER: DAKLAND

DILLARD TRUCKING CUSTOMER:

DESC: GRAND AVE

TIME: 8:11: 2

DATE: 2/11/92

COMMODITY: O.C./P.C. DIRT/PLAST

, YARDS:

18.00

LOAD # : 67

PER YARD

14.00

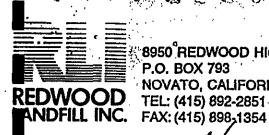
FEE

252.00

82/52-2

\*\*\* CHARGE ON COPY

TOTAL 252.00 INVOICE: 30490



'8950<sup>°</sup>REDWOOD HIGHWAY 🎊

P.O. BOX 793

**NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851

VER'S SIGNATURE

PERSONS USING THESE PREMISES DO SO AT
THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

**ACCOUNT NUMBER:** 2345 JOB NUMBER: OAKLAND

VEHICLE: BOTTI

CUSTOMER: DILLARD TRUCKING

DESC: GRAND AVE.

7 TIME: 13:42:23

DATE:

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS:

18.00

LOAD # 172

PER YARD

14.00

FEE

252.00

2/52-2

TOTAL 252.00 INVOICE: 30563



8950 REDWOOD HIGHWAY P.O. BOX 793

NOVATO, CALIFORNIA 94948

REDWOOD TEL: (415) 892-2851 ANDFILL INC. FAX: (415) 898-1354

ACCOUNT NUMBER: 2345

JOB NUMBER: OAKLAND

DRIVER'S SIGNATURE

RECEIVED BY

DILLARD TRUCKING

CUSTOMER: GRAND AVE DESC:

DATE: 2/11/92 TIME: 11: 2:11

THEIR OWN RISK Server

OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PERSONS USING THESE PREMISES DO SO AT

CHILDREN AND PETS ARE NOT ALLOWED OUT

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

VEHICLE: BOTTI 125 COMMODITY: O.C./P.C. DIRT/PLAST , YARDS: LOAD # : 18.00

PER YARD 252.00 FEE 14.00

> 252.00 TOTAL INVOICE: 30530

BO/50-0



8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851 FAX: (415) 898-1354 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

RIVER'S SIGNATURE

ACCOUNT NUMBER:

VEHICLE: BOTTI

JOB NUMBER: OAKLAND

2345

RECEIVED BY CUSTOMER: DILLARD TRUCKING

DESC: GRAND AVE

TIME: 8:11:37

DATE: 2/11/92

COMMODITY: O.C./P.C. DIRT/PLAST

VORDS.

18.00

LOAD # :

67

PER YARD

14.00

FEE

252.00

BO/50-0

\*\*\* CHORGE MER COPY

TOTAL 252.00 INVDICE: 30491



8950 REDWOOD HIGHWAY

P.O. BOX 793

**NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851 FAX: (415) 898-1354 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK. A SAME CARROLL

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

VER'S SIGNATURE

IDFILL INC.

VEHICLE: HEIM

RECEIVED BY ACCOUNT NUMBER: 2345 CUSTOMER: DILLARD TRUCKING
JOB NUMBER: OAKLAND DESC: GRAND AVE

DESC: GRAND AVE.

TIME: 13:43:15

DATE: 2/11/92

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS

18.00

LOAD # : 173

PER YARD

14.00

252.00 To the second

BO/S1-1

\*\*\* CHOOSFOMER COPY

TOTAL 252.00 INVOICE: 30564

三百年 美国人



8950 REDWOOD HIGHWAY P.O. BOX 793 **NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851 FAX: (415) 898-1354 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

ER'S SIGNATURE

ACCOUNT NUMBER: 1 2345

JOB NUMBER: OAKLAND

i manife ...

VEHICLE: HEIM

DILLARD TRUCKING CUSTOMER:

DESC: GRAND AVE

TIME: 11:24:22

DATE:

COMMODITY: O.C./P.C. DIRT/PLAST

18.00

14.00

FEE

/52-2

TOTAL

INVOICE: 30538



8950 REDWOOD HIGHWAY

P.O. BOX 793

**NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851 FAX: (415) 898-1354 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE. PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

ER'S GIGNATURE

ACCOUNT NUMBER: JOB NUMBER:

VEHICLE: HEIN

2345 DAKLAND

RECEIVED BY CUSTOMER: DILLARD TRUCKING,

DESC: GRAND AVE

> TIME: 8:27: 2

DATE: 2/11/92

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS:

18.00

13 LOAD #

PER YARD

14.00

FEE

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AND THE PARTY OF T TOTAL 252.00 INVOICE: 30497



RIVER'S SIGNATURE

VEHICLE: DENBESTW

ACCOUNT NUMBER: 2345

JOB NUMBER: OAKLAND

VEHTCLE: DENBEST!

COMMODITY: O.C./P. C. DIRT

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT
OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

RECEIVED BY

CUSTOMER: \* DILLARD TRUCKING >>

DESC: GRAND AVE

TIME: 14:57:55

YARDS: 10.00 FEE 180.00

\*\*\* CHARGE OMER COPY

6 TOTAL 180.00 "INVOICE: 30573



DFILL\*INC.\*\*FAX: (415) 898-1354

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES NO RUMMAGING IN DUMP AREA NO SMOKING ON DUMP SITE

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER: 2345

CUSTOMER: DILLARD TRUCKING

JOB NUMBER: OAKLAND DESC: GRAND AVE
VEHICLE: DENBESTE TIME: 12:12:58 DATE: 2/11/92

COMMODITY: O.C./P. C. DIRT YARDS: 18.00 LOAD #: 152

PER YARD 10.00 FEE 180.00

RESELVED BY

B1/S1-1

\*\*\*\* CHGRGEOMER COPY

人 国营知道差别 八

8950 REDWOOD HIGHWAY P.O. BOX 793

P.O. BOX 793

NOVATO, CALIFORNIA 94948

REDWOOD, TEL: (415) 892-2851

LANDFILL INC. FAX: (415) 898-1354 DRIVER'S SIGNATURE

PERSONS USING THESE PREMISES DO SO AT

HORSE CONTRACTOR OF THE PROPERTY OF THE PROPER

THEIR OWN RISK.
CHILDREN AND PETS ARE NOT ALLOWED OUT
OF VEHICLES.

NO RUMMAGING IN DUMP AREA

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

ACCOUNT NUMBER: JOB NUMBER: GAKLAND WARREN

VEHICLE: DEBBESTE

RECEIVED BY DILLARD TRUCKING . CUSTOMER:

DESC: GRAND AVE

YARDS:

TIME: 9: 4:44

> 85 18.00 LOAD #

DATE:

PER YARD 10.00

INVOICE: 30505



8950 REDWOOD HIGHWAY P.O. BOX 793 **NOVATO, CALIFORNIA 94948** TEL: (415) 892-2851 FAX: (415) 898-1354

OF VEHICLES. 3-NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

THEIR OWN PRISK.

PLEASE NOTHEY OFFICE OF ANY COMPLAINT.

PERSONS USING THESE PREMISES DO SO AT

CHILDREN AND PETS ARE NOT ALLOWED OUT

ER'S SIGNATURE

ACCOUNT NUMBER: JOB NUMBER: OAKLAND

VEHICLE: BRODSKY

RECEIVED BY CUSTOMER: DILLARD TRUCKING

DESC: GRAND AVE

TIME: 10:46: 5

\*DATE:

COMMODITY: O.C. /P.C. DIRT/PLAST

YARDS:

18.00

DON

LOAD #

PER YARD

14.00

252.00

FEE

TOTAL 252.00



8950 REDWOOD HIGHWAY P.O. BOX 793 **NOVATO, CALIFORNIA 94948** TEL: (415) 892-2851 FAX (415) 898-1354

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER: JOB NUMBER: DAKLAND

VEHICLE: WHEELER

2345

CUSTOMER:

<u>PA.RK</u> RECEIVED BY

DILLARD RUCKING DESC: GRAND AVE

TIME: 13:11:28

DATE: 3/ 2/92

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS:

18.00

LOAD # : 234

PER YARD

14,00

FEE

The state of the s

252.00

2/S2-2

\*\*\* CHARGEOMER CC

252.00 TOTAL INVOICE: 32735



8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 TEL: (415) 892-2851 FAX3(415) 898-1354

2345

1.00

 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

· NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER:

VEHICLE: WHEELER

JOB NUMBER: DAKLAND

LZ DA RK

RECEIVED BY

The same of the sa

CUSTOMER: 1
DESC: GRA

GRAND AVE. TIME: 10:23: 8

DATE: 3/ 2/92

COMMODITY: O.C./P. C. DIRT

YARDS:

LOAD # :

AD # : 128

PER YARD

10.00

18.00

FEE'

180.00

BO/SO-0

\*\*\* CHARGE: \*\*\*COPY

TOTAL 180.00 INVOICE: 32681



8950 REDWOOD HIGHWAY P.O. BOX 793 **NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851 FAX: (415) 898-1354 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT

OF VEHICLES. NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

2345

ACCOUNT NUMBER: JOB NUMBER: OAKLAND

Single San And Control of the Contro

VEHICLE: WHEELER

COMMODITY: O.C./P. C. DIRT

CUSTOMER: DILLARD TRUCKING

GRAND AVE DESC:

> TIME: 7:45:10

DATE: 3/ 2/92

YARDS: 18.00

LOAD #: 62

PER YARD

10.00

FEE

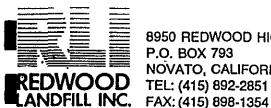
180.00

1/51-1

\*\*\* CHORGEO\*\*\*

TOTAL 180.00

INVOICE: 32644



8950 REDWOOD HIGHWAY P.O. BOX 793 **NOVATO, CALIFORNIA 94948** TEL: (415) 892-2851

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER: 2345

JOB NUMBER: OAKLAND

VEHICLE: WHEELER

COMMODITY: O.C./P. C. DIRT

RECEIVED BY DILLARD TRUCKING

DA. RK

CUSTOMER:

DESC: GRAND AVE

TIME: 12:44:49

DATE: 3/ 2/92

YARDS: 18.00 LOAD # : 222

PER YARD

10.00

· 1800 Carl Colored Co

FEE

180.00

B2/S2-2

\*\*\* CHARBE;;\*\*\* :

TOTAL 180.00 INVOICE: 32729



8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 TEL: (415) 892-2851 FAX: (415) 898-1354

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

DA. RK

The same of the sa

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER: 2345

VEHICLE: WHEELER

The stronger of the contraction 
JOB NUMBER: DAKLAND

COMMODITY: O.C./P. C. DIRT

RECEIVED BY CUSTOMER: DILLARD TRUCKING

DESC: GRAND AVE.

TIME: 10: 5:40

DATE: 3/ 2/92

LOAD # :

PER YARD

YARDS:

10.00

18,00

FEE

180,00

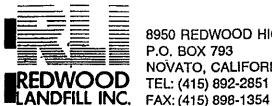
120

B1/S1-1

\*\*\* CHORGE \*\*

TOTAL 180.00

INVOICE: 32677



8950 REDWOOD HIGHWAY P.O. BOX 793 **NOVATO, CALIFORNIA 94948** TEL: (415) 892-2851

THEIR OWN RISK. CHILDREN AND PETS ARE NOT ALLOWED OUT

OF VEHICLES.

PERSONS USING THESE PREMISES DO SO AT

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

ACCOUNT NUMBER:

VEHICLE: WHELLER

strakenski, njedanja sa vete vete vete komenterije i objektion

JOB NUMBER: OAKLAND

DRIVER'S SIGNATURE

RECEIVED CUSTOMER: DILLARD TRUCKING 2345

> DESC: **GRAND LAKE**

> > TIME: 7:31:43 DATE: 3/ 2/92

COMMODITY: O.C./P. C. DIRT YARDS: 18.00 LOAD # 56

> PER YARD 10.00 FEE 180.00

and in the second secon

RK. LZ.

TOTAL 180.00 CHARGEN\*\*\*CO BO/SO-0 INVOICE: 32639

- 4450 CONT.



8950 REDWOOD HIGHWAY

P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851

FAX: (415) 898-1354

ACCOUNT NUMBER:

DAKLAND

NUMBER: VEHICLE: GOODWIN 2345

CUSTOMER:

DILLARD TRUCKING

DESC: GRAND AVW

TIME: 13:46:12

DATE: 3/ 2/92

PERSONS USING THESE PREMISES DO SO AT

CHILDREN AND PETS ARE NOT ALLOWED OUT.

· PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

· NO RUMMAGING IN DUMP AREA.

. NO SMOKING ON DUMP SITE.

THEIR OWN RISK.

OF VEHICLES.

DA. RK RECEIVED BY

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS:

18.00

LOAD # : 248

PER YARD

14.00

FEE

252.00

B0/S0+0

\*\*\* CHARGEO\*\*\*CO. 5

TOTAL 252.00 INVOICE: 32743



8950 REDWOOD HIGHWAY

P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851

FAX: (415) 898-1354

 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

. NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER:

VEHICLE: GOODWIN

2345

DILLARD TRUCKING CUSTOMER:

JOB NUMBER: DAKLAND

DESC: GRAND AVE. TIME: 11:13:36

DATE: 3/ 2/92

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS:

18.00

REPEIVED BY

LOAD # : 163

14.00

FEE

TOTAL

252,00

252.00 INVOICE: 32705

\*\*\* CHARGEOM\*\* COPY

PER YARD

B1/S2-2



8950 REDWOOD HIGHWAY P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851 FAX: (415) 898-1354  PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT. OF VEHICLES.

. NO RUMMAGING IN DUMP AREA.

· NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

ACCOUNT NUMBER:

JO\$ NUMBER: DAKLAND

WEHICLE: GOODWIN

2345

CUSTOMER:

BECEIVED BY DILLARD TRUCKING

DESC: GRAND AVE

TIME: 8:27:47

DATE: 3/ 2/92

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS:

18.00

LOAD # : 74

PER YARD

14.00

FEE

252.00

. B1/S1-1

\*\*\* CHUBBEEOMER COPY

TOTAL

252.00

INVOICE: 32651



LANDFILL INC.

8950 REDWOOD HIGHWAY

P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851 FAX: (415) 898-1354  PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

. NO RUMMAGING IN DUMP AREA.

. NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER: 2345 JOB NUMBER: DAKLAND

CUSTOMER: DILLARD TRUCKING

DESC: GRAND

VEHICLE: PAT OBRI

TIME: 13:25:12

DOTE: 37 1792

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS:

18.00

LOAD # : 238

PER YARD

14.00

FEE

252.00

\*\*\* CHARREONT NO.

TOTAL 252.00 INVOTCE: 32730



TEL: (415) 892-2851 LANDFILL INC. FAX: (415) 898-1354  PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

. NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

. 2345 ACCOUNT NUMBER: DAKLAND

JOB NUMBER: VEHICLE: WHEELER

COMMODITY: O.C./P. C. DIRT

DILLARD TRUCKING CUSTOMER:

CONTROL OF THE PROPERTY OF THE

GRAND AVE. DESC:

DATE: 3/ 3/92 TIME: 10:26:36

LOAD # : 14= 18.00 YARDS:

RECEIVED BY

180.00 FEE 10.00 PER YARD

> 180,00 TOTAL INVOICE: 32867

\*\*\* CHRRIFO\*\*\*

B2/S2-2



8950 REDWOOD HIGHWAY

P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851

FAX: (415) 898-1354

· PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT. OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

. NO SMOKING ON DUMP SITE.

· PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

JOB NUMBER: OAKLAND

VEHICLE: WHEELER

ACCOUNT NUMBER:

2345

CUSTOMER: DILLARD TRUCKING

DESC: GRAND

TIME: 12:35:32

DATE: 3/ 2/92

COMMODITY: O.C. /P. C. DIRT

YARDS:

18, 00

B15 : # GAO.L

PER YARD

10.00

FEE

180,00

B2/92-2

\*\*\* CHARGE \*\*\*

TOTAL 180,00 INVOICE: 32724

TEL: (415) 892-2851 ANDFILL INC. FAX: (415) 898-1354

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

· NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

RIVER'S SIGNATURE

2345 ACCOUNT NUMBER: DAKLAND JOB NUMBER:

VEHICLE: WHEELER

COMMODITY: O.C./P. C. DIRT

RECEIVED BY

DILLARD TRUCKING CUSTOMER:

GRAND DESC:

3/ 3/92 DATE: 8: 2:46 TIME:

LOAD # : 72 18.00 YARDS:

180.00 FEE 10.00 PER YARD

\*\*\* CHARGE(\*\*\*. (\*\*)

180.00 TOTAL INVOICE: 32826

BO/S1-1



8950 REDWOOD HIGHWAY P.O. BOX 793

NOVATO, CALIFORNIA 94948

2345

TEL: (415) 892-2851 FAX: (415) 898-1354  PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

. NO SMOKING ON DUMP SITE.

· PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

A'S SIGNATURE

ACCOUNT NUMBER:

VEHICLE: KINSEY

JOB NUMBER: OAKLAND

\_\_DON\_\_\_\_ RECEIVED BY

CUSTOMER: DILLARD TRUCKING

DESC: WEST GRAND AVE

AND THE PROPERTY OF THE PROPER

TIME: 9:56:33 DATE: 3/11/92

COMMODITY: O.C./P. C. DIRT YARDS: 18.00 LOAD #: 129

PER YARD 10.00 FEE 180.00

\*\*\* CHARGEO#\*\* CCF: 180.00

\*\*\* CHARGEO#\*\*

. 82**/52-**2



2345

TEL: (415) 892-2851 FAX: (415) 898-1354

- PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.
- CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
- NO RUMMAGING IN DUMP AREA.
- NO SMOKING ON DUMP SITE.
- PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER:

VEHICLE: KINSEY

JOB NUMBER: OAKLAND

COMMODITY: O.C./P. C. DIRT

RECEIVED BY DILLARD TRUCKING

CUSTOMER: WEST GRAND AVE

DESC:

3/11/92 DATE: TIME: 12:31:14

199 LOAD # : 18.00 YARDS:

DON\_

180.00 10.00 FEE PER YARD

B2/S2-2

\*\*\* CHARGE \*\*\*

180.00 TOTAL INVOICE: 33764



PERSONS USING THESE PREMISES DO S THEIR OWN RISK.

**CHILDREN AND PETS ARE NOT ALLOWED** OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPL

DRIVER'S SIGNATURE

DON RECEIVED BY

ACCOUNT NUMBER: JOB NUMBER: OAKLAND

DILLARD TRUCKING CUSTOMER: 2345

THE RESIDENCE OF THE PROPERTY 
DESC: WEST GRAND AVE

DATE: 3/11/92

VEHICLE: CONRAD

TIME: 14:30:26

COMMODITY: O.C./P.C. DIRT/PLAST

18.00 YARDS:

LOAD # 245

PER YARD

14.00

FEE 252.00

TOTAL 252.00 INVOICE: 33770

\*\*\* CHARGE ONE'S COPY

B2/S1-1



8950 REDWOOD HIGHWAY P.O. BOX 793 **NOVATO, CALIFORNIA 94948** TEL: (415) 892-2851

NO RUMMAGING IN DUMP AREA.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

PERSONS USING THESE PREMISES DO SO AT

**QBIVER'S SIGNATURE** 

DON

RECEIVED BY

THEIR OWN RISK.

ACCOUNT NUMBER: JOB NUMBER:

2345 DAKLAND

CUSTOMER: DILLARD TRUCKING

DESC: WEST GRAND AVE TIME: 11:42: 1

DATE: 3/11/92

VEHICLE: CONRAD COMMODITY: O.C./P.C. DIRT/PLAST

YARDS:

AND THE PROPERTY OF THE PROPER

18.00

LOAD # : 179

PER YARD

14.00

FEE

252.00

**P2/S2-2** 

\*\*\* CHARGEO\*\*\*

TOTAL 252.00 INVOICE: 33755



8950 REDWOOD HIGHWAY

P.O. BOX 793

**NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851 FAX: (415) 898-1354 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATUR

DON

RECEIVED BY

ACCOUNT NUMBER: 2345 JOB NUMBER: DAKLAND.

COMMODITY: O.C./P. C. DIRT

" VEHICLE: CONRAD

CUSTOMER: DILLARD TRUCKING

DESC: WEST GRAND AVE

TIME: 9: 5:37

DATE: 3/11/92

YARDS:

18.00

LOAD # : 103

PER YARD

AND THE RESIDENCE OF THE PARTY 
10.00

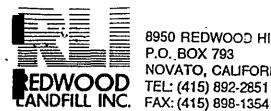
FEE

180.00

B1/S1-1

CHÉBBEOWER COPY

TOTAL 180.00 INVOICE: 33721



8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94943 TEL: (415) 892-2851

- PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.
- CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
- NO RUMMAGING IN DUMP AREA.
- NO SMOKING ON DUMP SITE.
  PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

DON RECEIVED BY

ACCOUNT NUMBER: 2345 JOB NUMBER: DAKLAND

COMMODITY: O.C./P. C. DIRT

CUSTOMER: DILLARD TRUCKING DESC: WEST GRAND AVE

YARDS:

DATE:

VEHICLE: FARRELL

TIME: 9:54:27

3/11/92

PER YARD

10.00

18.00

FEE

LOAD # :

180.00

127

B2/S2-2

\*\*\* CHARGE \*\*\*

TOTAL 180.00 INVOICE: 33737



LENGTHO COMO THESE FREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

**VER'S SIGNATURE** 

DON

RECEIVED BY

ACCOUNT NUMBER: 2345 JOB NUMBER:

DAKLAND VEHICLE: FARRELL

CUSTOMER: DILLARD TRUCKING

DESC: WEST GRAND AVE

TIME: 12:29:35

DATE: 3/11/92

COMMODITY: O.C./P. C. DIRT

YARDS:

16.00

LOAD # : 198

PER YARD

10.00

FEE

160.00

CHARGE \*\* CCP

TOTAL 160.00 **INVOICE: 33763** 

NOVATO, CALIFORNIA 94948 477 100 4 460 100 4 100

780# 1001/86

PERSONS USING THESE PREMISES DO SO AT

THEIR OWN RISK.

RECEIVED BY

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATUR

ACCOUNT NUMBER:

JOB NUMBER: DAKLAND

VEH (CLE: BOTT)

2345

DILLARD TRUCKING CUSTOMER:

WEST GRAND DESC:

TIME: 11:19:26

4/ 1/92 DHTE:

COMMODITY: O.C./P.C. DIRI/FLAST

YARDS:

Approved By

18,00

LCAD # : 189

DER YARD

14, QO

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\*\*\* CHAPOL /首作性

258,00 TOTES. , 807(1) (12) (13) (17) (24)



 PERSONS USING THESE PREMISES DO SO ATERIOR THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OU OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.
 PLEASE NOTIFY OFFICE OF ANY COMPLAIN

DATE:

DRIVER'S SIGNATURE

.ACCOUNT .NUMBER: .2345

JOB NUMBER: DAKLAND VEHICLE: WHEELER

COMMODITY: O.C. /P. C. DIRT

DILLARD TRUCKING CUSTOMER:

MEARTHUR W. GRAND DESC:

8:34:15 TIME:

RECIENTARD BY

LOAD # : YARDS: 18,00 88

PER YORD 10,00 FIFE 1,80,00

\*\*\* CHARGE OF

TOTAL 180.00 IMMODICE SCOSE

4/ 1/92

kt/61-1



8950 REDWOOD HIGHWAY P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851 FAX: (415) 898-1354  PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

. NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

PRIVER'S SIGNATURE

ACCOUNT NUMBER: 8345

JOB NUMBER: DAKLAND

VEHICLE: WHELEER

COMMODITY: U.C. /P. C. DIRT

CUSTOMER: DILLARD TRUCKING

DESC: W. GRAND

M" RHUD

TIME: 11: 9:59 PATE: 4/ 1/92

**保み DE** 

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YAKDS: 18.00 LOAD # : 179

PER YARD 10.00 FEE 180.00

141、133·1

10TAL 180.00 1NVOTCE: 36096



8950 REDWOOD HIGHWAY P.O. BOX 793

NOVATO, CALIFORNIA 94948436 (\*\*

TEL: (415) 892-2851

FAX: (415) 898-1354

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.
PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

PRIVER'S SIGNATURE

ACCOUNT NUMBER: 2345

DAKLAND JOB NUMBER:

VEHICLE: MANCUSO

COMMODITY: O.C. /P. C. DIRT

RECEIVED BY DILLARD TRUCKING CUSTOMER:

WEST GRAND DESC:

PER YARD

TIME:

9:21:36

4/ 1/98 DATE:

18.00 YARDS:

10.00

FEE

LOAD # ;

1 50.00

118

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%

TOTAL 180.00 ENUMBER RECORD



TEL: (415) 892-2851 FAX: (415) 898-1354  PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.
PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

RIVER'S SIGNATURE

ACCOUNT NUMBER: 2345 JOB NUMBER: DAKLAND

VEHICLE: M3

COMMODITY: O.C. /P. C. DIRT

RECEIVED BY

CUSTOMER: DILLARD TRUCKING

DESC: W GRAND

TIME: 11:56:82

DATE: 4/ 1/92

YARDS:

18,00

1.00D # : 205

LIEB AUBD 10,00 FET 180.00

1791-1

\*\*\* CHAROEVER

TUTAL 186,00 . MYD106: 36109



PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

NVER'S SIGNATURE

ACCOUNT NUMBER: 2345

JOB NUMBER: DAKLAND

VEHICLE: REDINGER

CUSTOMER:

RECEIVED BY DILLARD TRUCKING

DESC: WEST GRAND

TIME: 11:34:16

DATE: 4/ 1/92

COMMODITY: O.C./P. C. DIRT

YARDST

18.00

LOAD # : 196

falk Yaku

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FEU

180,00

1/8/-/

\*\*\* CHOPGE AND

TUTAL 180,00 INVOICE: 36:05



8950 REDWOOD HIGHWAY P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851 ANDFILL INC. FAX: (415) 898-1354  PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

- CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
- NO RUMMAGING IN DUMP AREA.
- NO SMOKING ON DUMP SITE.
- PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

OCCOUNT NUMBER: 21/15

JOB NUMBER: ORKLAND

VEHTCLE: UHLELLR

CUSTOMER: DILLARD THUCKING

MEASUR, W GREWS DEGC:

១៩ ឆ្ន TIME:

THATE ! IN THE

COMMODITY: O C. M. D. BIRT

YARIN

18. O.E.

RECEIVED BY

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A CO. O. LATER CO.

Part Contra · . . .



8950 REDWOOD HIGHWAY

P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851

FAX: (415) 898-1354

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER: 2345

JOB NUMBER: DAKLAND

VEHICLE: WHEFLER

COMMODITY: O.C. 7P. C. DIRT

RECEIVED BY CUSTOMER: DILLARD TRUCKING

DESC: WEST GRAND

TIME: 11:30:47

DATE: 4: 1/92

YARDS: 16.00

LOAD # ; 194

PER YORD

10, QO

FEE

180 QQ

B1/81-1

\*\*\* CHARGE MAKE

7 (1'14L - BO. OU INVOICE, BCIOA



PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

RIV**ER**'S SIGNATURE

ACCOUNT NUMBER: "

JOB NUMBER: COAKLAND

VEHICLE: L L

2345

CUSTOMER:

EINED BA DILLARD TRUCKING

DESC: WT. GRAND

TIME: 7:49:58

DATE: 4/10/92

COMMODITY: O.C./P.C. DIRT/PLAST

YERDS:

6.00

LOAD # :

PER YORD - FALOO

开作民

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ÖZtar-ti

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TOTAL amen ou INVOICE - -7033



PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

RECEIVED BY

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

VER'S SIGNATURE

JOB NUMBER:

ACCOUNT NUMBER:

VEHICLE: REDINGER

2345

CUSTOMER:

DILLARD TRUCKING

DESC:

WST GRAND

7:53:34

DATE: 4/10/92

COMMODITY: O.C. /P.C. DIRT/PLAST

DAKLAND

YARDS:

TIME:

18.00

LOAD # :

59

CSPAA 4:1-3

14.00

I-FE

252.06

1781 1

\*\*\* U.H.A.R.G.L. \*\*\*\*

FOTAL ಷಟ್ಟು ೧೦ [NV0]UF: 37034



- PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.
- CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
- NO RUMMAGING IN DUMP AREA.
- NO SMOKING ON DUMP SITE.
- PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

RIVER'S SIGNATURE

B17S1-1

ACCOUNT NUMBER:

JOB NUMBER: DAKLAND

VEHICLE: JENSEN

2345

CUSTOMER:

DILLARD TRUCKING

WEST GRAND DESC:

TIME: 8: 2:46

4/10/98 DATE:

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS:

18.00

RECEINED BY

LOAD # :

PER YARD

14. On

FEE

258. QQ

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未来来 CHARGE 老养养

TOTAL

252,00

INVOICE: 37035



- PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.
- CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
- NO RUMMAGING IN DUMP AREA.
- NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

PRIVER'S SIGNATURE

RECEIVED BY

ACCOUNT NUMBER: /8345 / CUSTOMER: DILLARD TRUCKING

JOB NUMBER: DAKLAND . DESC: GRAND AVE.

VEHICLE: L L TIME: 10:44:13 DATE: 4/10/92

COMMODITY: O.C./F.C. DIRT/FLAST YARDS: 18.00 LOAD # : 144

PER YARD 14.00 FEE 252.00

##\* CHARGE、光本 INVOICE: 370/7

B2/52-2



TEL: (415) 892-2851 FAX: (415) 898-1354 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

ER'S SIGNATURE

ACCOUNT NUMBER:

2345

CUSTOMER:

RECEIVED BY DILLARD TRUCKING

RK LZ DP

JUB NUMBER: AKAMO

DESC: GRAND ALE

TIME: 11: 4:10

DATE: 4/10/98

VEHICLE: JENSEN

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS:

18.00

LOWD 4 : 150

PER YHRD

14.00

177.1 1 (n)

37<mark>90-</mark>0

中分头 毛田门拉田区 女祖亲

DOM Clarity of the HOVOICE 37000



TEL: (415) 892-2851 **ANDFILL INC.** FAX: (415) 898-1354  PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

RIVER'S SIGNATURE

2345

CUSTOMER:

DILLARD TRUCKING

ACCOUNT NUMBER:

JOB NUMBER: DAKLAND VEHICLE: REDINGER

GRAND AVE DESC:

TIME: 13:42:34

DATE: 4/10/92

COMMODITY: O.C./F.C. DIRT/PLAST

YARDS:

18,00

RECEINED BY

LOAD # : 219

PER YARD

14.00

FEE 252,00

B1/S1 1

\*\*\* CHARGE, \*\*\*

TOTAL 252,00 INVOICE: 3710E



TEL: (415) 892-2851 FAX: (415) 898-1354

- PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.
- CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
- NO RUMMAGING IN DUMP AREA.
- NO SMOKING ON DUMP SITE.

RESELVED BY

• PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER: 2345

JOB NUMBER: DAKLAND

VEHICLE: JENSEN

CUSTOMER: DILLARD TRUCKING

DESC: GRAND AVE

TIME: 13:53:41

DATE: 4/10/92

COMMODITY: O.C./P.C. DIRT/PLAST YARDS:

ARDS: 18.00

LOAD # : 224

FER YARD

14.00

FEE 252.00

B1/S1-1

\*\*\* CHAPGE, AX\*

TOTAL 258.00 INVOICE: 37104



TEL: (415) 892-2851

FAX: (415) 898-1354

 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

- CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
- NO RUMMAGING IN DUMP AREA.
- NO SMOKING ON DUMP SITE.
- PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

<u>DÉIVER'S SIGNATURÉ</u>

2345 ACCOUNT NUMBER:

JOB NUMBER: OAKLAND

VEHICLE: DILLARD

COMMODITY: 0.C./P. C. DIRT

DILLARD TRUCKING CUSTOMER:

WEST GRAND DESC:

TIME:

7:46:35 DATE: 4/10/92

RECEIVED BY

YARDS:

18.00

LOAD # : 55

PER YARD

10,00

FEE 180.00

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\*\*\* CHARGEVORS

TOTAL 180.00INVOICE: 37031



8950 REDWOOD HIGHWAY P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851

FAX: (415) 898-1354

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

ORIVER'S SIGNATURE

ACCOUNT NUMBER: 2343

JOB NUMBER: DAKLAND

VEHICLE: DILLHAD

COMMODITY O.C. /P. C. DIRT

DILLARD TRUCKING CUSTOMER:

GRAND ST. DESC:

TIME: 10:41:55

4/10/98 DATE:

YARDS:

18,00

RECEIVED BY

LOAD # # 141

PER YARD

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8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 TEL: (415) 892-2851

2345

**DVVOOD** TEL: (415) 892-2851 **NDFILL INC.** FAX: (415) 898-1354

 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

LZ DF

RECEIVED BY

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

PRIVER'S SIGNATURE

ACCOUNT NUMBER:

VEHICLE: REDINGER

JOB NUMBER: CAKLAND

(0) 10 TO 10

CUSTOMER: DILLARD TRUCKING

DESC: W. GRAND

TTME: 10:58: 1

DATE: 4/10/92

COMMODITY: O.C./P. C. DIRT

YARDS: 18.

18.00

LOAD # : 147

程序 Y自RD

to, go

FIEL-

180,00

First 1

\*\*\* CHARGE \*\*\*

TOTAL 180.00 INVOICE: 37078



TEL: (415) §92-2851 FAX: (415) 898-1354 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

RECEIVED BY

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

VER'S SIGNATURE

ACCOUNT NUMBER:

2345

JOB NUMBER: DAKLAND

VEHICLE: DILLARD

COMMODITY: O.C./P. C. DIRT

CUSTOMER: DILLARD TRUCKING

YARDS:

DESC: GRAND

TIME: 13:32:18

DATE: 4/10/92

18.00

LOAD # : 213

TIER YORD

10,00

FEL

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1781-1

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TOTAL. 180,00 INVOICE: 07100

8950 REDWOOD HIGHWAY

P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851

IDFILL INC. - FAX: (415) 898-1354

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

VED BY

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

TÉVISICOMER: DILLARD TRUCKING ACCOUNT NUMBER: B245 1

JOB NUMBER: DAKLAND

VEHICLE: L L

DESC: GRAND

TIME: 13:36:43

DATE: 4/10/92

COMMODITY: O.C. (P. C. DIF)

YARDS:

18,00

215

LOAD # :

PER YARD

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8950 REDWOOD HIGHWAY

P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851 FAX: (415) 898-1354  PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

· NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

PRIVER'S SIGNATURE

ACCOUNT NUMBER: 2345
JOR NUMBER: DAKLAND

VEHICLE: FARRELL

COMMODITY: O.C. /P. C. DIRT

RECE (VED BY CUSTOMER: DILLARD TRUCKING

DESC: GRAND AVE

TIME: 9:45:49

DATE: 4/13/98

YARDS:

00.81

RK.DALZ

LOAD # : 113

PER YARD

10,00

FEE

180,00

131781-1

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TETAL 180.00 INVOICE: 37256



8950 REDWOOD HIGHWAY P.O. BOX 793 **NOVATO, CALIFORNIA 94948** TEL: (415) 892-2851 FAX: (415) 898-1354

- PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.
- CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
- NO RUMMAGING IN DUMP AREA.
- NO SMOKING ON DUMP SITE.
   PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

RIVER'S SIGNA

ACCOUNT NUMBER:

2345

RECEIVED, CUSTOMER: DILLARD TRUCKING

DESC:

GRAND

TIME: 7: 7:38 DATE: 4/13/98

COMMODITY: O.C./P.C. DIRT/PLAST

JOB NUMBER: OAKLAND

VEHICLE: OBEIEN

YARDS:

· 18.00

RK. DA.

LOAD #: -44

HER YARD

14.00

FFE

252,00

4/51-1

\*\*\* CHAPGE ##\*

TOTAL 252,00 INVOICE: 37883



8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 TEL: (415) 892-2851 FAX: (415) 898-1354

- PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.
- CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
- NO RUMMAGING IN DUMP AREA.
- NO SMOKING ON DUMP SITE.
  PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

State of the

ER'S SIGNATURE

ACCOUNT NUMBER: 2345 JOB NUMBER: DAKLAND

CUSTOMER: DILLARD TRUCKING

DESC: GRAND

VEHICLE: DILLARD

TIME: 7: 4:37 DATE: 4/13/92

RECEIVED BY

COMMODITY: O.C. /P.C. DIRT/FLOST YARDS: 18.00 LOAD # : 40

DER YARD 24. Ú60 FEI: ed , 00

TOTAL --- LHORUE AND INCOME.



8950 REDWOOD HIGHWAY P.O. BOX 793 **NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851

FAX: (415) 898-1354

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

VER'S SIGNATURE

ACCOUNT NUMBER: 2345

JOB NUMBER: DUKLAND VEHICLE: FARKELL

CUSTOMER:

RECEIVED BY DILLARD TRUCKING

DESC: GRAND

> TIME: 7:13:43

DATE: 4/13/92

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS:

18.00

RK, DA,

1.00D # :

46

PER YERD

14.00

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FCC FAL PERSON

INVESTIGATION BYCEA



8950 REDWOOD HIGHWAY P.O. BOX 793 **NOVATO, CALIFORNIA 94948** 

TEL: (415) 892-2851 FAX: (415) 898-1354 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE. PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

R'S SIGNATURE

2345

ACCOUNT NUMBER:

JOB NUMBER: DAKEAND VEHICLE: DILLARD

CUSTOMER: DILLARD TRUCKING

DESC: GRAND AVE

TIME:

9:17:46 DATE: 4/13/98

COMMODITY: O.C. /P.C. DIRT/PLAST

YARDS:

18.00

RECEIVED BY

LUAD # :

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250.00

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TUTAL 255 LOO INVITOT: 37253



8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 TEL: (415) 892-2851

- PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.
- CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
- NO RUMMAGING IN DUMP AREA.
- NO SMOKING ON DUMP SITE.
  PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER: JOB NUMBER: DAKLAND

VEHICLE: OBRIEN

2345

CUSTOMER:

DILLARD TRUCKING

DESC: GRAND AVE

TIME: 11:59:59

DATE: 4/13/92

COMMODITY: O.C./P.L. DIRT/PLAST

YARDS:

18.00

RK. DA./LZ

RECEIVED

LOAD # : 160

PER YARD

14.00

FEE.

252,00

B1/81-1

\*\*\* CHARGE \*

TUTAL 구발되었다. INVOICE: ALP 4



8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 TEL: (415) 892-2851

**DFILL INC.** FAX: (415) 898-1354

· PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

· NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

ER'S SIGNATURE

ACCOUNT NUMBER: 2345 JUE NUMBER: DAKLAND

VEHICLE: ALVISO

COMMUNICATIVE O.C. VE. C. DIRT

CUSTOMER: DILLARD TRUCKING

DESC: WEST GRAND

TIME: 7:38:21

DATE: 4/17/92

RECEIVED BY

YARDS: 18.00

LOAD # : 68

PETE YARD

Equipment

TUE 180,00

\*\*\* CHAROLIMAN

TOTAL 180.00 INVOICE: 37834



8950 REDWOOD HIGHWAY

P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851

FAX; (415) 898-1354

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.
PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER: 2345

JOB NUMBER: DAKLAND

VEHICLE: ALVISO

CUSTOMER: DILLARD TRUCKING

DESC: WEST GRAND

TIME: 8: 1:21

DATE: 4/17/92

COMMODITY: O.C. /P. C. DIRE

Y台引た:

18,00

RECEIVED

LOAD # : 79

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TO, OC

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180,00

B4751-1

\*\*\* CHARGE \*\*\*

!OTAL \$80,00 INVOILE: 37836



8950 REDWOOD HIGHWAY P.O. BOX 793 **NOVATO, CALIFORNIA 94948** TEL: (415) 892-2851

- PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.
- CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
- NO RUMMAGING IN DUMP AREA.
- NO SMOKING ON DUMP SITE.
- PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

ACCOUNT NUMBER: 2.345

JOB NUMBER: DAKLAND

VEHICLE: ALVISO

COMMODITY: 0.C. /P. C. DIRT

RECEIVED BY CUSTOMER: DILLARD TRUCKING

DESC: WEST GRAND

YARDS:

· TIME:

9:44:20

DATE: 4717/92

18,00

LOAD # : 132

PER YERD

10.00

FEU

180,00

EU / S1 T

\*\*\* CHARGE \*\*\*

TOTAL {₹KQ), UK INVUILE: 3780F

8950 REDWOOD HIGHWAY

P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851

FAX: (415) 898-1354

VER'S SIGNATURE

 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.
PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

RECEIVED BY

ACCOUNT NUMBER: 2345

JOB NUMBER: DAKLAND

VEHICLE: ALVISO

CUSTOMER: DILLARD TRUCKING

DESC: WEST GRAND

TIME: 11:10:51

- DATE: 4/17/92

COMMODITY: O.C./P. C. DIRT

YARDS:

18.00

LOAD # : 192

PER YARD

10.00

4 f.c 180, On

3738 P

\*\*\* CH位民自愿、本\*\*

10fat 180,00 INV0161: 27890



8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 🔊 🐬 TEL: (415) 892-2851 FAX: (415),898-1354

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA. \*

NO SMOKING ON DUMP SITE.
PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

ER'S SIGNATURE

ACCOUNT NUMBER: 2345 CUSTOMER: DILLARD TRUCKING

JOB NUMBER: DAKLAND

VEHICLE: BOTTI

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DESC: WEST GRAND

7:36:59 - DATE: 12 10 1 1

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS:

18.00

LOAD #

PER YARD

14.00

FEE

252.00

BO/SO-0

\*\*\* CHARGEVOTCE

252.00 TOTAL INVOICE: 38511



8950 REDWOOD HIGHWAY. P.O. BOX 793 NOVATO, CALIFORNIA 94948

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TEL: (415) 892-2851 FAX: (415) 898-1354

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK. 1911年 1915年 (本語 44年)

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES:

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

JOB NUMBER: 38 CAKLAND 37

VEHICLE: DAVIS

WEST GRAND

7:49:34

COMMODITY: O.C./P.C. DIRT/PLAST

YARDS:

18.00

LOAD

14.00

252.00

B1/S1-1

252.00 TOTAL



8950 REDWOOD HIGHWAY P.O. BOX 793

NOVATO, CALIFORNIA 94948

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TEL: (415) 892-2851

FAX: (415) 898-1354

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

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CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

ACCOUNT NUMBER: 2345

DILLARD TRUCKING CUSTOMER:

JOB NUMBER: GRAND DESC: WEST GRAND

VEHICLE: HEIN

TIME:

9:28: 6

COMMODITY: O.C./P.C.DIRT/PLAST\_

YARDS:

18.00

LOAD #

PER YARD

14.00

FEE

252.00

B1/S1-1

TOTAL 252.00 INVOICE: 38537



8950 REDWOOD HIGHWAY!

P.O. BOX 793

**NOVÁTO, CALIFORNIA 94948** 

TEL: (415) 892-2851 FAX: (415) 898-1354

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

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NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

- ACCOUNT NUMBER:

2345

CUSTOMER: DILLARD TRUCKING

JOB NUMBER: OAKLAND DESC: GRAND

and the search and th

VEHICLE : HEIM 4/23/92

"COMMODITY: O.C./P.C. DIRT/PLAST

PER YARD

B2/S2-2

CHARGEVOICE

TOTAL INVOICE: 38623



8950 REDWOOD HIGHWAY

P.O. BOX 793

NOVATO, CALIFORNIA 94948

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TEL: (415) 892-2851 FAX: (415) 898-1354

CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

THEIR OWN RISK.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

PERSONS USING THESE PREMISES DO SO AT

ACCOUNT NUMBER:

COMMODITY: O.C. /P. C. DIRT.

ACCOUNT NUMBER: 2345 CUSTOMER: DILLARD TRUCK
JOB NUMBER: DAKLAND DESC: WEST GRAND
VEHICLE: HEIN
TIME: 7:12:53 DILLARD TRUCKING

and the continue of the contin

....YARDS:

18.00 - LOAD # : 15 53 980 13

PER YARD

10.00

FEE

180. oo <sup>%</sup>

32/52-2

TOTAL 180.00 INVOICE: 38502



8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 WOOD TEL (415) 892-2851 DFILL INC. FAX: (415) 898-1354

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 PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

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CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

ACCOUNT NUMBER: 2345 CUSTOMER: DILLARD TRUCKING JOB NUMBER: DAKLAND DESC: GRAND AVE

VEHICLE DAVIS

TIME: 8:14: 2

COMMODITY: O.C./P. C. DIRT

YARDS: (18.00)

LOAD # : 84

PER YARD 10.00

FEE 180.00

TOTAL 180.00 INVOICE: 38519



graph is equipment for in

.8950 REDWOOD HIGHWAY

P.O. BOX 793

**NOVATO, CALIFORNIA 94948** 

**NOOD** (TÉL: (415) 892-2851

**IDFILL INC.** FAX: (415) 898-1354

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK. 👈

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CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.
PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

VER'S SIGNATURE

ACCOUNT NUMBER: 2345

JOB NUMBER: DAKLAND

VEHICLE: BOTTI

CUSTOMER: DILLARD TRUCKING

WEST GRAND TIME: 10: 8:19

COMMODITY: O.C./P. C. DIRT

YARDS:

18. QO 🐩

LOAD # : 154

PER YARD

10.00

FEE 180.00

1/51-1

\*\*\* CHARGEVOICE

TOTAL 180.00 INVOICE: 38552



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Age to be

ACCOUNT NUMBER:

2345 JOB NUMBER: DAKLAND DESC: GRAND AVE VEHICLE: DAVIS

VEHICLE PAVIS

COMMODITY: O.C./P. C. DIRT

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DATE:

18.00 LOAD # YARDS:

10.00 FEE 180.00 PER YARD

RESERVED BY

80/50-0

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TOTAL 180.00 INVOICE: 38558



8950 REDWOOD HIGHWAY P.O. BOX 793 🦤 透镜器 🧐 NOVATO, CALIFORNIA 94948 **EDWOOD** TEL: (415) 892-2851 **ANDFILL INC.** FAX: (415) 898-1354

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  - NO SMOKING ON DUMP SITE.

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PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

ACCOUNT NUMBER:

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CUSTOMER: DILLARD TRUCKING

JOB NUMBER: DAKLAND DESC: GRAND AVE TIME: 10:31:27 ....

DATE: 4/23/92

COMMODITY: O.C./P. C. DIRT

YARDS:

18.00

RECEIVED BY

LOAD # : 170

PER YARD

10.00

FEE

180.00

B2/S2-2

180.00 TOTAL INVOICE: 38559



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Grand State Comment

8950 REDWOOD HIGHWAY

P.O. BOX 793

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FAX: (415) 898-1354

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CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

ACCOUNT NUMBER: 2345 8 . . .

JOB NUMBER: DAKLAND

, VEHICLE: HEIN

CUSTOMER: DILLARD TRUCKING

DESC: GRAND AV.

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TIME: 11:46:20 DATE: 4/23/92

COMMODITY: G.C./P. C. DIRT

YARDS:

18.00

LOAD # : 215

PER YARD

10.00

FEE

180.QQ

B2/S2-2

\*\*\* CHARGEVOICE

TOTAL. 180.00 INVOICE: 38581



8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948 TEL (415) 892-2851

PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

· NO SMOKING ON DUMP SITE.

• PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

DRIVER'S SIGNATURE

RECEIVED BY
ACCOUNT NUMBER: 2345 CUSTOMER: DILLARD TRUCKING

JOB NUMBER: DAKLAND

VEHICLE: BOTTI

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DESC: GRAND AV.

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TIME: 12:13:50 DATE: 4/23/92

COMMODITY: O.C./P. C. DIRT

YARDS: 44 18.00

LOAD # :

PER YARD 10.00

FEE

180.00

BZ/82-2

TOTAL 180.00 'INVOICE: 38585

8950 REDWOOD HIGHWAY P.O. BOX 793 NOVATO, CALIFORNIA 94948

OWOOD TEL: (415) 892-2851 IDFILL INC. FAX: (415) 898-1354

PERSONS USING THESE PREMISES DO SO AT THEIR OWN PISY

 CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.

NO RUMMAGING IN DUMP AREA.

• NO SMOKING ON DUMP SITE.

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

ACCOUNT NUMBER: 2345

JOB NUMBER: DAKLAND

VEHICLE: DAVIS

CUSTOMER: DILLARD TRUCKING DESC: GRAND AV

TIME: 12:38:38 DATE: 4/23/92

RK(LZ) DP RECEVED, BY

San State

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COMMODITY: O.C./P. C. DIRT

YARDS: 18.00

LOAD # :

PER YARD 10.00

FEE

180.00

B1/S1-1

TOTAL 180.00

Commence of Bridge Commence



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  - 'NO SMOKING ON DUMP SITE. 👙
- PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

RECEIVED BY ACCOUNT NUMBER: 124 2345 CUSTOMER: 30 DILLARD TRUCKING 1

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JOB NUMBER: OAKLAND DESC: GRAND AV

TIME: 12:40:52 VEHICLE: DAVIS DATE: 4/23/92

COMMODITY: O.C./P. C. DIRT YARDS: 18.00 LOAD #

PER YARD 10.00 FEE 180.00

> TOTAL 180,00 INVOICE: 38592

30/50-0

## APPENDIX D

Water Disposal Documentation

Catromia—Health and Welfare Agency Department of Health Services See Instructions on back of page 6. Toxic Substances Control Program Form designed for use on elite (12-plich typewriter). Sacramento, California brint or type. 1. Generator's US EPA ID No. Manifest Document No. 2. Page 1 Information in the shaded areas **UNIFORM HAZARDOUS** is not required by Federal law. **WASTE MANIFEST** C | A | L | O | O | O | O | O | S | 6 | 7 8 1 9 1 9 1 9 1 8 of 1 \$ Generator's Name and Mailing Address A Sidle Manifest Document Nami B. State Generators ID P. O. Box 5811, San Mateo. CA 94402 4. Generator's Phone (415 ) 571-2434/571-2478 M ¥1411<u>est 216 t</u> 1611<u>113 to 46 to</u> C. Stole (rorsporters ID. 3440 045) 6. US EPA ID Number 5. Transporter 1 Company Name D. Ironsporters Priorite (14) 14 (14) 15 (15) H & H Ship Service Company 18 10 10 16 14 17 17 11 H 7. Transporter 2 Company Name 8. US EPA ID Number E Stofe Trorraportera ID Fatransporter's Phone 9. Designated Facility Name and Site Address H & H Ship Service Company 220 China Basin Street San Francisco, CA 94167 10. US EPA ID Number G. State Facility's ID C(814)191914 (51) 41 41 (61) H. Facility's Phone · <sup>2</sup> 1<u>A 15 16 16 17 17 11 11 11 </u> 12. Containers 14 Unit 13. Total 11, US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) Type Quantity WI/Vol t Woste Number Stote OTI, AND WATER EPA/Other: HOH-RORA HASARDOUS WASTE LIGHTD N Store: R EPA/Other .... Ā State 0 EPA/Othe d. State .EPA/Other J. Additional Descriptions for Materials Lated Above FUEL: 011 ANI VIEW C. Handling Codes for Wastes Listed Above MORILE NOW. 15. Special Handling Instructions and Additional Information Jef # # 111 4 4 1 J-18 333 8: At W. TATEOR od Hi. Emercen i Contact. H & H # (4) 5 : 545-48 5 APPROPRIATE TROTECTIVE CLOTHING AND RESIDENCES BLE BLE CARE 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, (certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Printed/Typed Name Sianature 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name MAKTIN J. COSTELLO 18. Transporter 2 Acknowledgement of Receipt of Materials Month Printed/Typed Name Signature Year 19. Discrepancy Indication Space C 20. Focility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature Month Year

ote of California—Health and Welfore Agency

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F	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US	EPA ID No. 10 10 10 19 18 15		est Documer		2. Page 1 of 1	k not man	formation in the shaded areas not required by Federal law.		
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	P. O. Box 5611. San Mateo. Ch. 94402 4 Generalors Phone (415.) 571-2434/571-2438									(00 00 to 00 00 to	
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						E. State Transporters ID					
	9. Designated Facility Name and Site Address	10, US EPA ID Number	10. US EPA ID Number			F. fromsporters Phone G. State Pacifitys ID					
	9. Designated Foothly Name and Site Address H. A. H. Shilly Service Company 220 China Basin Street Can Francisco, Ca. 94100		<u> </u>			H. Focility's Prione					
	11. US DOT Description (including Proper Shipping	ss, and ID Number)		12. Conta No.	iners Type	13. Total Quantity	14. Unit Wt/Vol	t Worte N	**************************************		
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	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.										
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	Printed/Typed Name	Signature				Monti	n Day	Year			
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