ROUX ASSOCIATES



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Transmittal/Memorandum

To:

Ms. Susan Hugo

Alameda County Health Agency Division of Hazardous Materials Department of Environmental Health

80 Swan Way, Room 200 Oakland, California 94621

From:

Gregory Murphy

Date:

July 10, 1992

Subject:

Underground Storage Tank Removal and Soil Sampling

ARCO Facility No. 771 899 Rincon Avenue Livermore, California

Job No.:

A135W01

Remarks:

Enclosed is a copy of the subject final report for your records.

cc:

Mr. Michael Whelan, ARCO Products Company

Mr. Chris Winsor, ARCO Products Company

Mr. Richard Hiett, Regional Water Quality Control Board

Mr. Joel Coffman, RESNA

UNDERGROUND STORAGE TANK REMOVAL AND SOIL SAMPLING

ARCO Facility No. 771 899 Rincon Avenue Livermore, California

July 1, 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

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A135W01

SUBMITTED BY:

Roux Associates

1855 Gateway Boulevard, Suite 770

Concord, California 94520

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

PREPARED BY:

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CONTENTS

	<u>r</u>	<u>age</u>
1.0	INTRODUCTION	1
2.0	SITE DESCRIPTION	2
3.0	GEOLOGY AND HYDROGEOLOGY	3
4.0	PREVIOUS INVESTIGATIONS	4
5.0	TANK EXCAVATION, REMOVAL AND SAMPLING 5.1 Excavation and Tank Removal 5.2 Soil Sampling Below Removed Tanks 5.3 Removal, Sampling and Excavation of Product Lines 5.4 New UST Installation 5.5 Laboratory Analyses	5 6 7 8
6.0	EXCAVATED SOIL STOCKPILING, SAMPLING AND DISPOSAL 6.1 Soil Stockpiling and Sampling	10 10 11
7.0	INSTALLATION OF CONDUCTOR CASINGS, VAULT BOXES AND PVC PIPING	12
8.0	8.1 Tank Replacement	13 13 13 14 14 14
9.0	REFERENCES	15

CONTENTS

(Continued)

TABLES

- 1 Soil Sample Analytical Results
- 2 Summary of Soil Analyses: Soil Stockpiles

FIGURES

- 1 Site Location Map
- 2 Site Plan
- 3 Location of Tank Cavity and Product Line Trench Soil Samples
- 4 Location of New Tank Excavation and Soil Samples
- 5 Location of Wells, Vault Boxes and PVC Piping

APPENDICES

- A Summary of Site Environmental Activities
- B Laboratory Analytical Reports
- C Chain-of-Custody Documentation
- D Soil Disposal Documentation

1.0 INTRODUCTION

This report describes the replacement of underground storage tanks (USTs) at ARCO Products Company (ARCO) Facility No. 771 located at 899 Rincon Avenue, Livermore, California (Site) and presents the results of soil sampling done in conjunction with the tank removal activities. ARCO retained Roux Associates (Roux) 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.

Roux performed the work under ARCO Task Order Number 771-91-1. Tank removal activities and associated Roux efforts were conducted between December 17, 1991 and March 26, 1992. The work performed by Roux was conducted by Roux geologists under the direction of Mr. Dean A. Richesin, California Certified Engineering Geologist Number 1055.

This report is organized in eight sections. Sections 1.0 through 4.0 provide Site background information including an introduction, a general Site description, the geology and hydrogeology of the Site, and a summary of previous investigations conducted at the Site. Section 5.0 describes tank and product line excavation, removal, soil sampling, tank and product line replacement, and laboratory analyses. Section 6.0 presents a summary of soil stockpile sampling, aeration and disposal activities. Section 7.0 describes the installation of conductor casings, vault boxes and associated piping, and Section 8.0 provides a summary of the tank replacement activities.

2.0 SITE DESCRIPTION

ARCO Facility No. 771 is an operating self-service gasoline station and ARCO AM/PM minimarket located at the southwest corner of the intersection of Rincon Avenue and Pine Street in Livermore, California (Figure 1). The Site is a relatively flat asphalt and concrete covered lot, at an elevation of about 450 ft. above mean sea level (USGS, 1980). Topography in the Site area slopes toward the west.

The removed tanks included four single-wall USTs (one 10,000-gallon fiberglass UST, one 6,000-gallon fiberglass UST, and two 4,000-gallon steel USTs) formerly located in a common tank cavity southeast of the ARCO AM/PM building (Figure 2). Currently, Site features include an ARCO AM/PM building, two pump islands, and four newly installed, double-wall 10,000-gallon fiberglass USTs located at the south end of the Site.

3.0 GEOLOGY AND HYDROGEOLOGY

The Site is located in the Livermore Valley, an east-west trending basin in the Coast Ranges of Northern California. The Valley is drained by several west flowing perennial and intermittent streams. The Site is located about 0.5 miles north of Arroyo Mocho and about 0.5 miles south of Arroyo Las Positas (Figure 1). Shallow subsurface deposits underlying the Site consist of late Pleistocene alluvium composed of poorly consolidated alluvial fan deposits made up mostly of gravel and sand with some silt (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 sandy gravel and clayey gravel interbedded with sandy clay to a depth of 51 ft. below ground surface (bgs) (RESNA, 1991). Shallow ground water measured in monitoring wells at the Site occurs at about 37 ft. bgs, with a flow direction generally toward the west (RESNA, 1991).

4.0 PREVIOUS INVESTIGATIONS

In August 1987, a waste oil tank was removed from the Site (Figure 2). Soil containing petroleum hydrocarbons in the area of the waste oil tank was over-excavated and removed from the Site (Brown and Caldwell, 1987).

Prior to the replacement of the USTs, Applied GeoSystems conducted a preliminary tank replacement assessment in February, 1990. Three soil borings were drilled, and evidence of petroleum hydrocarbons in the soil was discovered. Applied Geosystems carried out additional investigations at the Site in 1990 and 1991. In the course of these investigations, several additional soil borings were drilled and seven ground water monitoring wells were installed on the Site property (Figure 2). Soil borings drilled by RESNA are not indicated on figures contained in this report. The findings of subsurface investigations completed prior to the tank removal activities were summarized by RESNA (1991).

RESNA submitted an Interim Remedial Action Plan to the Alameda County Department of Environmental Health (ACDEH) in January, 1992, outlining plans for the initial phase of remediation at the Site.

5.0 TANK EXCAVATION, REMOVAL AND SAMPLING

This section describes the following activities:

- Excavation and Tank Removal
- Soil Sampling Below Removed Tanks
- Removal, Sampling and Excavation of Product Lines
- Laboratory Analyses

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

5.1 Excavation and Tank Removal

Golden West Environmental Services of Brentwood, California (Golden West) began the excavation needed to remove the old gasoline tanks on December 27, 1991. The pavement overlying the old tanks was cut and removed, and the soil in the tank cavity was excavated down to the tops of the USTs. The pea gravel surrounding the fiberglass USTs and the sand surrounding the steel USTs were removed from the cavity and stockpiled on-site.

On the morning of December 30, 1991, Golden West placed dry ice in the four USTs to prevent hydrocarbon vapor ignition during removal and transportation. Hydrocarbon vapors in the tanks were monitored for the presence of explosive conditions by Golden West. Vapor levels were determined to be within acceptable limits for removal by Ms. Danielle Stefani of the Livermore Fire Department.

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 Ms. Susan Hugo of the ACDEH and Roux. The steel tanks all appeared to be in good condition. The 10,000-gallon fiberglass tank was cracked on the top side apparently during tank removal activities. The four USTs were loaded onto H & H Ship Services Company (H & H)trucks and transported from the Site to H & H's facility in San Francisco, California.

5.2 Soil Sampling Below Removed Tanks

Roux collected samples from the native soil at the base of the tank cavity immediately following the removal of the USTs. Eight samples were collected from below the removed tanks at locations selected by Ms. Susan Hugo of the ACDEH (Figure 3). Two soil samples were collected from below each removed UST at a depth of 14 to 16 ft. bgs which is about 1 to 2 ft. below the contact between the tank backfill and native soil.

Soil from the bottom of the excavation was brought to the surface in the bucket of the excavator. Soil samples were then collected in clean, stainless steel tubes measuring 2-inches in diameter by 4-inches long. Three to twelve inches of loose soil were scraped away from the surface. The steel tube was then driven into the 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, then sealed with duct tape. The samples were labeled with the project name, time, date, sample designation, and sampler's initials and placed

in a plastic bag. The samples were then stored on ice in a closed cooler chest and delivered to the laboratory. Chain-of-Custody documentation was maintained for all samples (Appendix C).

After the samples were collected, Golden West installed steel sheet piles as shoring around the perimeter of the new UST cavity, and removed all of the soil inside the shoring to a depth of about 18 ft. At the request of the ACDEH, Roux collected six additional soil samples from a depth of about 18 ft. bgs in the shored excavation using the same procedures as outlined above. The soil samples were collected on January 21, 1992, at locations selected by Ms. Susan Hugo of ACDEH (Figure 4).

<u>5.3</u> Removal, Sampling and Excavation of Product Lines

Excavation and removal of the product lines and sampling of the soil beneath the removed lines took place on February 7, 1992. Roux collected eight soil samples from the bottom of the product line trenches at locations selected by Ms. Susan Hugo of the ACDEH (Figure 3). One sample was collected in the product line trench between the pump islands and the tank excavation. The remaining seven soil samples were collected from the product line trenches in the pump island area. All of the samples were collected at a depth of about 2 ft. bgs and were prepared for transport to the laboratory in the same manner utilized when sampling below the removed USTs.

Laboratory analyses of two of the eight soil samples collected on February 17, 1992 from below the removed product lines indicated elevated concentrations of petroleum hydrocarbons.

Therefore, on February 18, 1992, Roux collected two additional soil samples below sample locations L2 and L7. Samples L2B and L7B (corresponding to the areas represented by samples L2 and L7, respectively) were collected at a depth of about 5 ft. bgs. Samples were collected and prepared for transport to the laboratory in the same manner utilized when sampling below the removed USTs. With the approval of ACDEH, new product line piping was installed in the trenches after the samples were collected.

<u>5.4</u> New UST Installation

The former tank complex was enlarged and extended to the west to accommodate the new tanks (Figure 4). Golden West installed the new USTs on January 22, 1992. Four new double-walled fiberglass USTs were installed in a common tank complex located immediately south of the station building. A crane was used to place the new USTs in the excavated pit. The tanks were then covered with pea gravel to their tops, and the product lines and associated plumbing and wiring were installed. A concrete slab was installed at the ground surface over the backfilled new tank complex. As-Built drawings of the new USTs and piping systems will be prepared by Barghausen Consulting Engineers, Inc., of North Highlands, California (Barghausen). Barghausen will submit a copy of the As-Built drawings to the ACDEH once they have been completed.

<u>5.5</u> Laboratory Analyses

All soil samples collected during this investigation were delivered for chemical analyses to Sequoia Analytical (Sequoia) of Concord, California, a State certified laboratory. The samples collected from the UST cavities 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, and
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) by USEPA Method 8020.

The samples collected from the new UST cavity and the product line trenches were also analyzed for organic lead by the method described in the California LUFT Manual (12/87).

Table 1 summarizes the laboratory analytical data for the soil samples collected from the UST cavities and the product line trenches. A total of eight soil samples were collected from the former tank cavity, six were collected from the new tank cavity, and ten were collected from the product line trenches. Laboratory analytical reports are presented in Appendix B.

6.0 EXCAVATED SOIL STOCKPILING, SAMPLING AND DISPOSAL

6.1 Soil Stockpiling and Sampling

The pea gravel and sand fill material and native soil excavated from the former UST cavity and product line trenches were stockpiled on the Site. The stockpiles were sampled and analyzed to determine petroleum hydrocarbon concentrations for disposal purposes.

Roux collected four soil samples from each 50 cu. yds. of stockpiled soil. Six to twelve inches of soil were scraped away from the surface of the stockpile to prepare the soil for sampling. Samples were collected from the newly exposed surface. Stockpile samples were collected in stainless steel tubes and prepared for transport to the laboratory in the same manner utilized when sampling below the removed USTs and product lines.

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 samples into one composite sample for analysis. All composite samples were then analyzed for TPH-G by USEPA Method 8015 and BTEX by USEPA Method 8020.

Table 2 summarizes the laboratory analytical data for the stockpile samples. Laboratory analytical reports are presented in Appendix B and Chain-of-Custody documentation is contained in Appendix C.

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. The laboratory analytical data for the former tank cavity soil stockpiles containing less than 160 mg/kg TPH-G were provided to the Browning Perris Industries' Class III landfill in Livermore, California (BFI). Following approval from BFI, the former tank cavity soil stockpiles containing less that 100 mg/kg TPH-G containing less that 100 mg/kg TPH-G containing of Byron, California (Dillard), and transported to the BFI facility.

The former tank cavity 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 2, 1992, and aeration of the soil stockpiles began on January 15, 1992. After aeration for variable time periods, each 50 cu. yds. of soil was resampled. A total of eight composite samples were collected and analyzed in the same manner as the pre-aeration soil stockpile samples. Laboratory analytical reports are contained in Appendix B and Chain-of-Custody documentation forms are in Appendix C.

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 stockpile was provided to BFI. Following landfill approval, the aerated soil stockpiles were removed and transported by Dillard to the BFI facility. Removal of the aerated soil from the Site was completed on February 3, 1992. A total of about 1,100 ca. yds. of soil was disposed of at BFI. Disposal documentation for all soil removed from the Site is given in Appendix D.

7.0 INSTALLATION OF CONDUCTOR CASINGS, VAULT BOXES AND PVC PIPING

To facilitate future investigations and potential remediation measures at the Site, conductor casings, vault boxes, and assorted horizontal piping were installed by Golden West concurrently with the installation of the new USTs and associated piping. Six 12-inch diameter, 18-foot long PVC conductor casings were installed between the new USTs (Figure 5). Currently, ARCO plans to drill soil borings and install vapor extraction wells through two of the conductor casings. The remaining conductor casings will allow access for confirmation soil borings after the soil below the tank cavity has been remediated.

Vault box and PVC piping locations were specified by RESNA as part of a proposed remediation system. Vault boxes were installed over five of the existing monitoring wells and at one location north of MW-7 where ARCO plans to drill soil borings, install vapor extraction and ground water monitoring wells, and install recovery systems. Assorted PVC piping was installed in subsurface trenches between several of the vault boxes. This piping may be used to connect wells to a soil and/or ground water treatment system.

8.0 SUMMARY OF RESULTS

This section is a summary of the results of the UST and piping replacement activities, and the soil sampling analytical data at 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 an area which overlaps and extends west of the former tank cavity.

8.2 Hydrocarbons in Soil Below the Former Tank Cavity

Laboratory analyses of eight soil samples collected from below the removed USTs at a depth of 14 to 16 ft. bgs indicated TPH-G concentrations ranging from not detected (ND) to 4,609 mg/kg, and BTEX concentrations ranging from ND to 1,100 mg/kg (Table 1). Soil sample T4A contains the highest concentrations of TPH-G and BTEX (Figure 3).

Laboratory analyses of the six samples collected from the base of the new UST cavity at a depth of 18 ft. bgs indicated TPH-G concentrations ranging from 1.4 to 830 mg/kg, and BTEX concentrations ranging from ND to 47 mg/kg. The highest concentrations of TPH-G were found in samples TP1 and TP6 (Figure 4), located near the fill ends of the former USTs numbered T2 and T4.

8.3 Hydrocarbons in Soil Below the Removed Product Lines

Concentrations of TPH-G in soil samples collected from below the removed product lines at a depth of two feet bgs ranged from ND to 750 mg/kg, and BTEX ranged from ND to 200 mg/kg. The two areas corresponding to the highest TPH-G concentrations (sample locations L2 and L7) were over-excavated to five feet bgs and resampled. Sample L2B contained 91 mg/kg TPH-G and sample L7B contained no detectable petroleum hydrocarbons (Table 1).

8.4 Disposal of Soil Stockpiles

Soil generated during tank replacement activities was stockpiled on-site and sampled (Table 2). Soil stockpiles containing less than 100 mg/kg TPH-G were transported to the BFI Class III landfill in Livermore, California (BFI) for disposal. Soil stockpiles containing greater than 100 mg/kg TPH-G were aerated on-site until the level of TPH-G was reduced below 100 mg/kg. After aeration, these soil stockpiles were transported to the BFI facility in Livermore, California, for disposal.

8.5 Installation of Conductor Casings, Vault Boxes and PVC Piping

Conductor casings, vault boxes and PVC piping were installed concurrently with the installation of the new USTs and associated piping (Figure 5). Conductor casings were installed between the new USTs to facilitate future drilling, sampling, and well installation within the tank cavity. Vault boxes were installed at locations where ARCO plans to drill soil borings or install wells and/or remedial systems. Assorted PVC piping was installed in subsurface trenches between the vault boxes so that the wells can be connected to remediation systems in the future.

9.0 REFERENCES

- Brown and Caldwell. 1987. Soil Sample Results for Waste Oil Tank Removal, ARCO Station 771. Report No. 17/3456-02/3. September 16, 1987.
- Helley, E.J., K.R. LaJoie, W.E. Spangle, and M.C. Blair. 1979. Flatland Deposits of the San Francisco Bay Region, California Their geologic and engineering properties, and their importance to comprehensive planning. U.S. Geological Survey Professional Paper 943.
- RESNA. 1991. Additional Subsurface Investigation at ARCO Station 771, 899 Rincon Avenue, Livermore, California. October 17, 1991.
- State Water Resources Control Board. 1989. Leaking Underground Fuel Tank (LUFT) Field Manual: Guidelines for Site Assessment, Cleanup, and Underground Storage Tank Closure. October, 1989.
- U.S. Geological Survey. 1980. Livermore, California 71/2-Minute Topographic Quadrangle.

Table 1. Soil Sample Analytical Results
ARCO Facility No. 771, Livermore, California

Sample		Depth			BTEX Dis	tinction (1)		Organic
Designation	Date	(feet bgs)	TPH-G (1)	Benzene	Toluene	Ethylbenzene	Xylenes	Lead (2)
Former Tank	Cavity							
T1A	12/30/91	15	1,500	1.3	28	24	210	NA
T1B	12/30/91	15	1.4	0.019	0.015	0.0089	0.2	NA
T2A	12/30/91	16	1,900	1.3	9.4	8.6	94	NA
T2B	12/30/91	16	ND	ND	ND	ND	ND	NA
ТЗА	12/30/91	14	45	0.089	1.2	0.52	4.7	NA
ТЗВ	12/30/91	14	1.3	0.0097	0.045	0.023	0.24	NA
T4A	12/30/91	14	4,600	28	470	170	1,100	NA
T4B	12/30/91	14	2.4	0.0095	0.050	0.041	0.33	NA
New Tank Ca	vity							
TP-1	1/21/92	18	100	ND	0.059	ND	1.4	ND
TP-2	1/21/92	18	2.6	0.0057	0.012	0.012	0.12	ND
TP-3	1/21/92	18	1.8	0.0058	0.011	0.0071	0.053	ND
TP-4	1/21/92	18	1.4	0.0052	0.02	0.0094	0.092	ND
TP-5	1/21/92	18	1.5	0.0062	0.036	0.016	0.14	ND
TP-6	1/21/92	18	830	ND	2.5	1.5	47	ND
Product Line	Trenches							
L1	2/7/92	1.5	ND	ND	0.035	ND	ND	ND
L2	2/7/92	1.5	750	0.35	30	26	200	ND
L3	2/7/92	0.5	41	0.091	0.28	0.1	0.93	ND
L4	2/7/92	1.5	2.2	0.0093	0.52	0.011	0.061	ND
L5	2/7/92	1.5	ND	ND	ND	ND	ND	ND
I.6	2/7/92	1.5	S. ND	ND	ND	ND	ND	ND
L7	2/7/92	0.5	600	ND	0.21	ND	26	ND
L8	2/7/92	1.5	1.2	ND	0.027	ND	0.0068	ND
L2B	2/18/92	5	91	ND	ND	ND	2.4	NA
L7B	2/18/92	5	ND	ND	ND	ND	ND	NA

FOOTNOTES

TPH-G = Total Petroleum Fuel Hydrocarbons as Low/Medium Boiling Point Hydrocarbons (USEPA Method 8015). BTEX Distinction (USEPA Method 8020).

Organic Lead by method described in California LUFT Manual 12/87.

ND = Not detected.

NA = Not analyzed.

bgs = below ground surface.

^{(1) =} Concentrations reported in mg/kg (= parts per million).

^{(2) =} Concentrations reported in mg/L (= parts per million).

Table 2. Summary of Soil Analyses: Soil Stockpiles ARCO Facility No. 771, Livermore, California

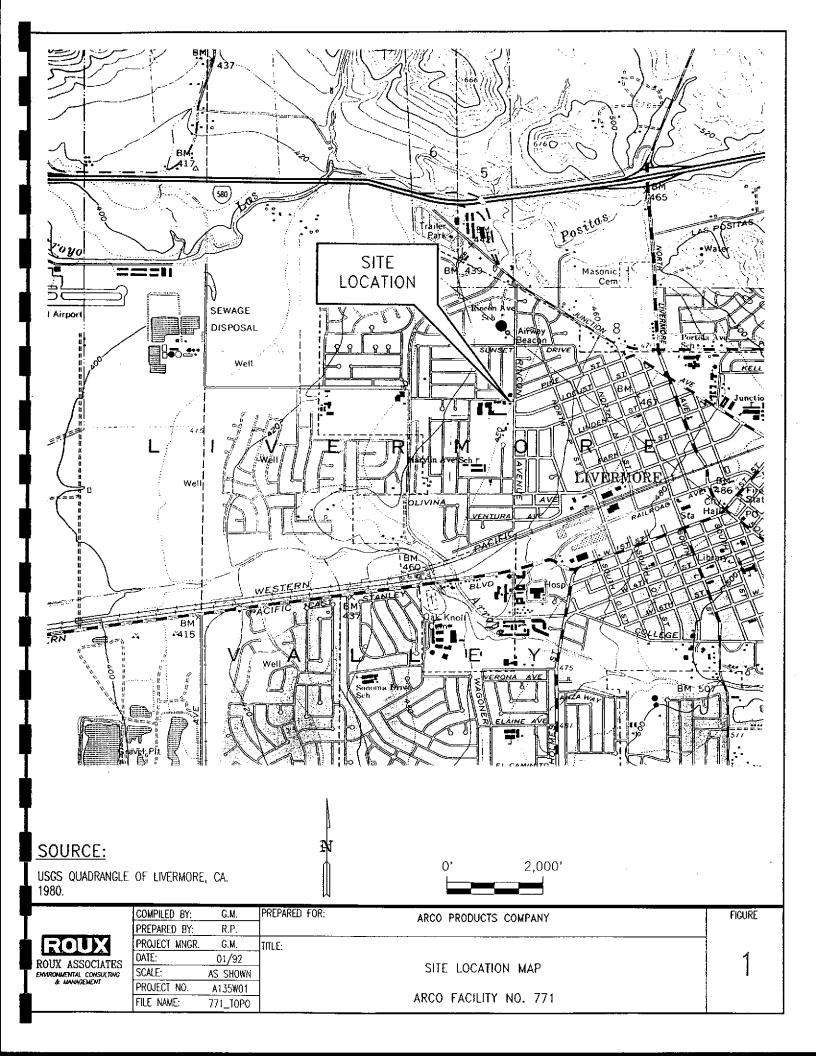
Sample				BTEX Di	stinction (1)	
Designation	Date	TPH-G (1)	Benzene	Toluene	Ethylbenzene	Xylenes
CS-1	12/30/91	40	NID	0.012	0.011	0.45
CS-1 CS-2	12/30/91	42 190	ND	0.012	0.011 0.029	0.45
CS-2 CS-3	12/30/91	190 19	ND	0.1		4.6
CS-4	12/30/91	120	ND	0.042 0.3	0.053	0.99 12
CS-4 CS-5	1/6/92	and the second s	0.047		0.28	
28-6		140	ND	0.052	0.06	4.3
_s-0 CS-7	1/8/92 1/8/92	ND 4.2	ND	ND ND	ND ND	0.017 0.086
28-7 28-8	1/8/92	4.2 5.1	ND		and the second s	
_3-0 CS-9	1/8/92	3.2	ND ND	0.0066	0.0061 ND	0.15 0.095
_S-9 CS-10	1/10/92	3.2 7.2	ND	ND 0.0062	ND ND	0.093
CS-10	1/10/92	9.0	ND ND	0.0082	ND ND	0.041
CS-11	1/10/92	9.0	ND ND	0.022	0.021	0.19
CS-12	1/10/92	7.5	ND ND	0.022	0.021	0.47
CS-13 CS-14	1/10/92	7.3 26	ND ND	0.013	0.052	1.3
CS-14 CS-15	1/10/92	3.3	ND ND	0.041 ND	0.032 ND	0.065
CS-15	1/10/92	3.3 440	ND ND	ND	0.56	25
CS-10 CS-17	1/17/92	960	ND ND	6.4	5.2	73
CS-17 CS-18	1/17/92	72 0	0.49	11	7.1	83
CS-19	1/17/92	650	0.38	9.8	6.2	72
CS-20	1/17/92	11	ND	y.s ND	ND	0.17
ACS-4	1/17/92	20	ND ND	ND ND	ND ND	0.17
CS-21	1/23/92	11	0.032	0.0084	0.016	0.034
CS-21	1/30/92	7.2	0.032 ND	0.0088	0.01	0.042
ACS-17	2/4/92	69	ND ND	0.058	0.052	0.47
CS-23	2/18/92	6.3	0.011	0.014	0.0084	0.082
CSA-18	2/26/92	130	ND	0.014	0.0084	1.2
CSA-16 CSA-19	2/26/92	93	ND ND	0.12 ND	0.072	0.37
CSAA-19 CSAA-18	3/9/92	93 13	ND ND	0.0057	0.042	0.37

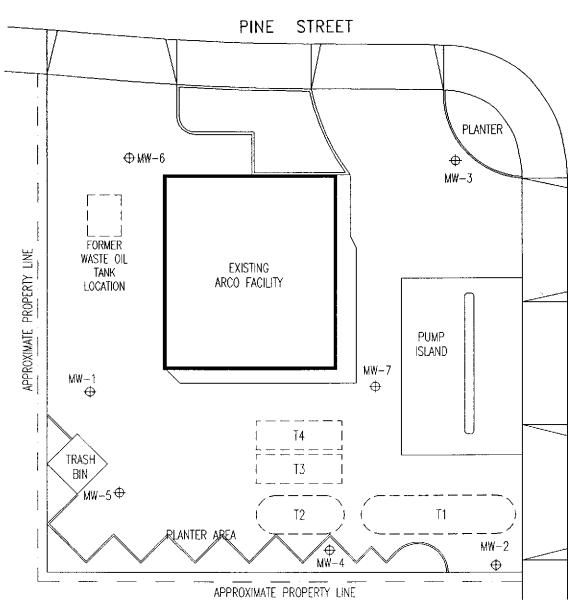
FOOTNOTES:

^{(1) =} Concentrations reported in mg/kg (= parts per million).

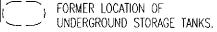
TPH-G = Total Petroleum Fuel Hydrocarbons as Low/Medium Boiling Point Hydrocarbons (USEPA Method 8015). BTEX Distinction (USEPA Method 8020).

ND = Not detected.





⊕MW-5 MONITORING WELL LOCATION AND DESIGNATION



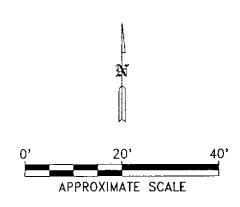
- T1 10,000 GAL. SUPER UNLEADED.
- T2 6,000 GAL. REGULAR.
- T3 4,000 GAL. UNLEADED.
- T4 4,000 GAL. UNLEADED.

SOURCE:

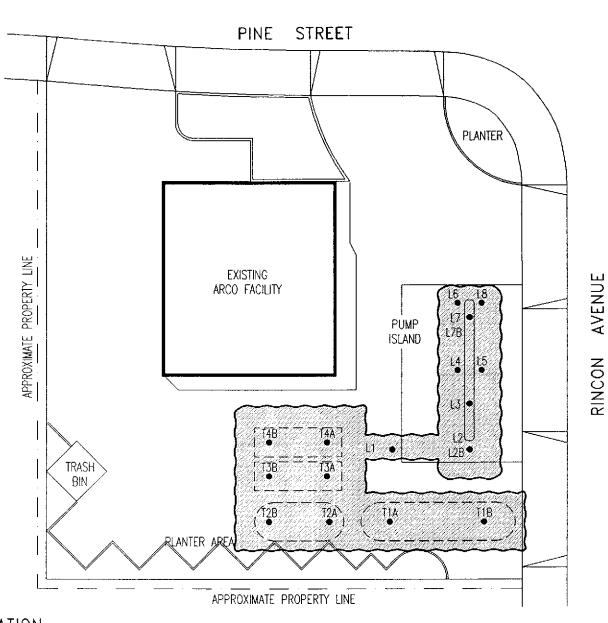
MAP MODIFIED FROM RESNA CONSULTANTS, 1991.



COMPILED BY:	G.M.	PREPARED FOR: ARCO PRODUCTS CON	MPANY FIGURE
PREPARED BY:	R.P.		
PROJECT MNGR.	G.M.	TITLE:	_
DATE:	01/92	CITE DI AM	')
	AS SHOWN	SITE PLAN	
PROJECT NO.	A135W01	ADOO FACILITY NO	771
 FILE NAME:	AR_771XX	ARCO FACILITY NO	. 771



RINCON AVENUE



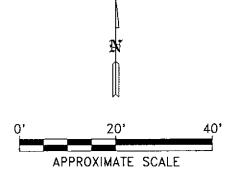
FORMER LOCATION OF UNDERGROUND STORAGE TANKS.



EXCAVATED AREAS.

■ T4A

SOIL SAMPLE LOCATION AND DESIGNATION.

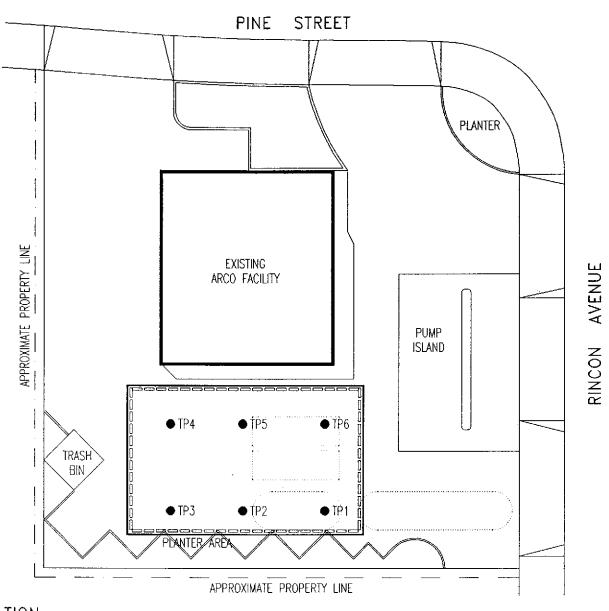


SOURCE:

MAP MODIFIED FROM RESNA CONSULTANTS, 1991.

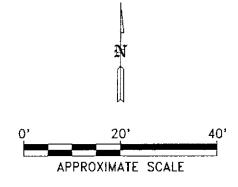
ROUX
ROUX ASSOCIATES EMMRONMENTAL CONSULTING & MANAGEMENT

	COMPILED BY:	T.R.	PREPARED FOR: ARCO PRODUCTS COMPANY	FIGURE
	PREPARED BY:	R.P.		
	PROJECT MNGR.	G.M.	TILE: LOCATION OF TANK CANITY AND DOODING I	AIF _
q	DATE:	04/92	LOCATION OF TANK CAVITY AND PRODUCT L	^{NL} \(\(\)
5	SCALE:	AS SHOWN	TRENCH SOIL SAMPLES	
	PROJECT NO.	A135W01	ADOO FACILITY NO. 774	
	FILE NAME:	AR_771XX	ARCO FACILITY NO. 771	



SHEET PILES AT LIMITS OF NEW TANK EXCAVATION.

● TP4 SOIL SAMPLE LOCATION AND DESIGNATION.

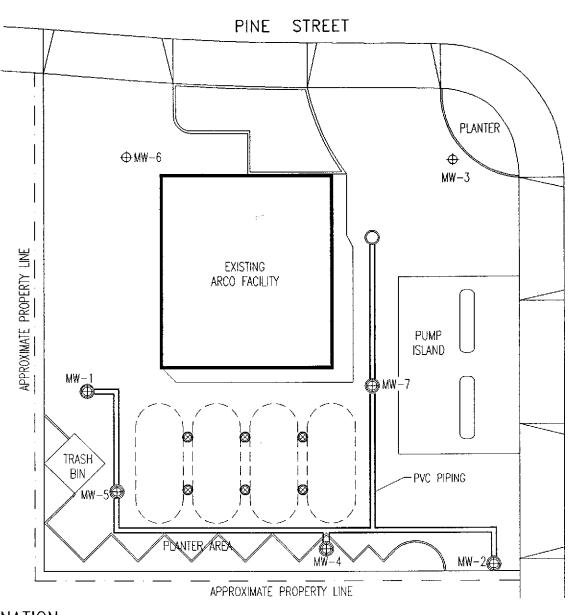


SOURCE:

MAP MODIFIED FROM RESNA CONSULTANTS, 1991.

	0	J ₂	Z	
ROUX				
ENVIRONI &	WENTAL WANAG			VC.

	COMPILED BY:	G,M.	PREPARED FOR: ARCO PRODUCTS COMPANY	FIGURE
	PREPARED BY:	R.P.		
	PROJECT MNGR.	G.M.	TITLE:	
C C	DATE:	01/92	LOCATION OF HEW TANK EVOLUTION AND COLL CANDLES	Λ
;	SCALE:	AS SHOWN	LOCATION OF NEW TANK EXCAVATION AND SOIL SAMPLES	4
	PROJECT NO.	A135W01	1000 F10UTY NO. 774	
	FILE NAME:	AR_771XX	ARCO FACILITY NO. 771	



♦ MW-5 MONITORING WELL LOCATION AND DESIGNATION

() LOCATION

LOCATION OF NEW UNDERGROUND STORAGE TANKS.

0

LOCATION OF VAULT BOX.

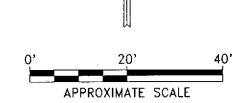
Ø

LOCATION OF CONDUCTOR CASING.

PVC PIPING.

SOURCE:

MAP MODIFIED FROM RESNA CONSULTANTS, 1991.



RINCON AVENUE

ROUX
ROUX ASSOCIATES ENVIRONMENTAL CONSULTING & MANAGEMENT

	COMPILED BY:	G.M.	PREPARED FOR: ARCO PRODUCTS COMPANY	FIGURE
	PREPARED BY:	R.P.		
	PROJECT MNGR.	G.M.	TMLE:	i _
9	DATE:	01/92	LACATION OF WELLS WALKET DOVES AND DVS DIDING	5
G	SCALE:	AS SHOWN	LOCATION OF WELLS, VAULT BOXES, AND PVC PIPING	J
	PROJECT NO.	A135W01	ARCO FACILITY NO. 771	
	FILE NAME:	AR_771XX	ARCO FACILITI NO. 771	

APPENDIX A

Summary of Site Environmental Activities

SUMMARY OF SITE ACTIVITIES

ARCO Facility No. 771 899 Rincon Avenue Livermore, California

Activity

12/17/91 Preconstruction meeting. ARCO, GW, Roux 12/27/91 Began tank pit excavation. GW 12/30/91 Removed USTs, inspected for explosive conditions, leaks. Removed tanks from Site. Collected samples beneath tanks. H&H Roux 12/31/91 Started shoring excavation. GW 1/8/92 Completed excavation shoring. Excavated soil from within shoring. Collected stockpile soil samples. 1/9/2 Excavated and stockpiles oil from new excavation. Collected soil samples from stockpiles. 1/14/92 Hauled stockpiled soil to Class III landfill. GW, Dillard, Roux 1/15/92 Hauled stockpiled soil to Class III landfill. Dillard 1/17/92 Meeting of RWQCB, ACDEH and ARCO. Authorization given to set tanks in excavation. Additional sampling at base of excavation required. 1/21/92 Collected six soil samples from base of excavation. Roux, ACDEH 1/22/92 Installed new USTs and conductor casings. GW, Roux 1/27/92 Removed shoring GW 1/28/92 Hauled stockpiled soil to Class III landfill. Dillard 2/7/92 Collected soil samples below product lines and pump islands. 2/14/92 Received approval to over-excavate lines and collect soil samples. Received authorization to install new lines and backfill trenches.	Date	Activity	Бу
12/27/91 Began tank pit excavation. 12/30/91 Removed USTs, inspected for explosive conditions, leaks. Removed tanks from Site. Collected samples beneath tanks. 12/31/91 Started shoring excavation. 12/8/92 Completed excavation shoring. Excavated soil from within shoring. Collected stockpile soil samples. 1/9/2 Excavated and stockpiles oil from new excavation. Collected soil samples from stockpiles. 1/14/92 Hauled stockpiled soil to Class III landfill. 1/15/92 Hauled stockpiled soil to Class III landfill. 1/17/92 Meeting of RWQCB, ACDEH and ARCO. Authorization given to set tanks in excavation. Additional sampling at base of excavation. Additional sampling at base of excavation. 1/21/92 Collected six soil samples from base of excavation. 1/22/92 Installed new USTs and conductor casings. 1/28/92 Hauled stockpiled soil to Class III landfill. 2/7/92 Collected six soil samples below product lines and pump islands. 2/14/92 Received approval to over-excavate lines and collect soil samples. Received authorization to install new lines and			
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soil samples. Received authorization to install new lines and	2/7/92		Roux, ACDEH
	2/14/92	soil samples. Received authorization to install new lines and	Roux, ACDEH

TA TANK	
N1 1	1 5

NOTES: ARCO Products Company

GW Golden West Environmental Services

Roux Roux Associate

Date

ACDEH Alameda County Department of Environmental Health, Susan Hugo, Field Representative

Livermore Fire Department LFD H&H H & H Environmental Services RWQCB Region Water Quality Control Board

Dillard Dillard Trucking

By

SUMMARY OF SITE ACTIVITIES

ARCO Facility No. 771 899 Rincon Avenue Livermore, California

Date	Activity	Ву
2/18/92	Collected soil samples below product lines and from stockpiles. Installed new product lines.	Roux, GW
2/24/92	Hauled stockpiled soil to Class III landfill.	Dillard
2/26/92	Excavated remediation system trenches near pump islands.	GW
2/28/92	Hauled stockpiled soil to Class III landfill.	Dillard
3/13/92	Removed last soil stockpiles from Site.	GW, Dillard
3/26/92	Post construction meeting. Inspected remediation system piping and vault boxes.	Roux, RESNA, GW

NOTES:

ARCO Products Company

GW Golden West Environmental Services

Roux Roux Associate

ACDEH Alameda County Department of Environmental Health, Susan Hugo, Field Representative

LFD Livermore Fire Department
H&H & H Environmental Services
RWQCB Region Water Quality Control Board

Dillard Dillard Trucking

APPENDIX B

Laboratory Analytical Reports



SEQUOIA ANALYTICAL

RECL. - JAN 0 3 1011

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:

Arco/#771-91-1

Sampled:

Dec 30, 1991

Concord, CA 94520

Matrix Descript: Analysis Method:

Soil EPA 5030/8015/8020 Received: Analyzed:

Dec 30, 1991 Dec 30, 1991

Attention: Gregory Murphy

First Sample #:

112-1101

Reported:

Dec 31, 1991

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)	Ethyi Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
112-1101	CS-1(A-D)	42	N.D.	0.012	0.011	0.45
112-1103	CS-3(A-D)	19	N.D.	0.042	0.053	0.99
112-1106	T1B	1.4	0.019	0.015	0.0089	0.20
112-1108	T2B	N.D.	N.D.	N.D.	N.D.	N.D.
112-1110	тзв	1.3	0.0097	0.045	0.023	0.24
112-1112	T48	2.4	0.0095	0.050	0.041	0.33

ction 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



SEQUOIA ANALYTICA

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

Client Project ID:

Arco/#771-91-1

Sampled:

Dec 30, 1991

Matrix Descript:

Soil

Received:

Dec 30, 1991

Attention: Gregory Murphy

Analysis Method:

EPA 5030/8015/8020

Analyzed:

Dec 30, 1991

First Sample #:

112-1102

Reported:

Dec 31, 1991

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)
112-1102	CS-2(A-D)	190	N.D.	0.10	0.029	4.6 ·
112-1104	CS-4(A-D)	120	0.047	0.30	0.28	12

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

1121101.RRR <2>



Roux Associates

1855 Gateway Blvd. Suite 770

Concord, CA 94520

Attention: Gregory Murphy

Client Project ID:

Arco/#771-91-1

Sampled:

Dec 30, 1991

Matrix Descript: Analysis Method: Soil

Received: Analyzed: Dec 30, 1991 Dec 30, 1991

First Sample #:

EPA 5030/8015/8020 112-1105

Reported:

Dec 31, 1991

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

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Xylenes mg/kg
		(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
112-1105	T1A	1,500	1.3	28	24	210

Detection Limits: 100 0.50 0.50 0.50 0.50

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: Gregory Murphy

Client Project ID: Arco/#771-91-1

Analysis Method:

First Sample #:

Matrix Descript: So

Soil

EPA 5030/8015/8020

112-1107

Sampled:

Dec 30, 1991

Received: De Analyzed: De

Dec 30, 1991 Dec 30, 1991

Reported: Dec 31, 1991

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)
112-1107	T2A	1,900	1.3	9.4	8.6	94

Detection Limits: 50 0.25 0.25 0.25

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: Gregory Murphy

Client Project ID:

Arco/#771-91-1

Sampled:

Dec 30, 1991

Matrix Descript: Analysis Method: Soil

Received: Analyzed: Dec 30, 1991

First Sample #:

EPA 5030/8015/8020 112-1109

Reported:

Dec 30, 1991 Dec 31, 1991

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)
112-1109	ТЗА	45	0.089	1,2	0.52	4.7

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



Roux Associates

1855 Gateway Blvd. Suite 770

Concord, CA 94520

Attention: Gregory Murphy

Client Project ID: Matrix Descript:

Analysis Method:

First Sample #:

Arco/#771-91-1

Soil

EPA 5030/8015/8020 112-1111

Dec 30, 1991 Dec 30, 1991

Received: Analyzed: Reported:

Sampled:

Dec 30, 1991 Dec 31, 1991

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)
112-1111	T4A	4,600	28	470	170	1,100 -

Detection Limits: 500 2.5 2.5 2.5 2.5

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



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

Roux Associates

Client Project ID: Arco/#771-91-1

1855 Gateway Blvd. Suite 770 Concord, CA 94520

Attention: Gregory Murphy

QC Sample Group: 1121101-112

Reported: Dec 31, 1991

QUALITY CONTROL DATA REPORT

ANALYTE				
	Benzene	Toluene	Benzene	Xylenes
	EPA	EPA	EPA	EPA
Method:	8015/8020	8015/8020	8015/8020	8015/8020
Analyst:	K.M.	K.M.	K.M.	K.M.
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date Analyzed:	Dec 30, 1991	Dec 30, 1991		Dec 30, 1991
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
			0.10	1.42
Conc. Matrix				
Spike:	0.40	0.38	0.38	1.3
-				
Matrix Spike				
% Recovery:	100	95	95	108
-				
Conc. Matrix				
Spike Dup.:	0.42	0.42	0.41	1.3
Madeiro Outro				-
Matrix Spike Duplicate				
% Recovery:	105	105	100	100
willoutery.	105	100	102	108
Relative				
% Difference:	4.8	10	7.6	0.0
	****	10	7.0	0.0

Laboratory blank contained the following analytes: None Detected

SEQUOIA ANALYTICAL

Kenneth K.F. Lee Laboratory 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.
 x 100

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



520

RECL. - LAN 0 3 KLL

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: Gregory Murphy

Client Project ID: Matrix Descript:

Analysis Method:

First Sample #:

Arco/#771-91-1

Soil

EPA 5030/8015/8020

112-1101

Sampled:

Dec 30, 1991

Received: Analyzed: Dec 30, 1991 Dec 30, 1991

Reported:

Dec 31, 1991

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)
112-1101	CS-1(A-D)	42	N.D.	0.012	0.011	0.45
112-1103	CS-3(A-D)	19	N.D.	0.042	0.053	0.99

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



Roux Associates

Client Project ID:

Arco/#771-91-1

Sampled:

Dec 30, 1991

1855 Gateway Blvd. Suite 770 Concord, CA 94520

y Blvd. Suite 770 Matrix Descript: 94520 Analysis Method Received:

Dec 30, 1991 Dec 30, 1991

Attention: Gregory Murphy

Analysis Method: First Sample #:

EPA 5030/8015/8020

Analyzed: Reported: Dec 30, 1991 Dec 31, 1991

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

112-1102

Soil

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)
112-1102	CS-2(A-D)	190	N.D.	0.10	0.029	4.6
112-1104	CS-4(A-D)	120	0.047	0.30	0.28	12

Detection Limits: 5.0 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.

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Concord, CA 94520

Attention: Gregory Murphy

Client Project ID: Arco/#771-91-1

QC Sample Group: 1121101-112

Reported: Dec 31, 1991

QUALITY CONTROL DATA REPORT

		25			
NALYTE	Benzene	Toluene	Ethyl- Benzene	Xylenes	
	EPA	EPA	EPA	EPA	
Method:	8015/8020	8015/8020	8015/8020	8015/8020	* %
Analyst:	K.M.	K.M.	K.M.	K.M.	
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	
Date Analyzed:	Dec 30, 1991	Dec 30, 1991	Dec 30, 1991		
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	
	0. 10	0.10	0.40	1.4	
Conc. Matrix					
Spike:	0.40	0.38	0.38	1.3	
•	3. 10	0.00	0.00	1.0	
Matrix Spike					
% Recovery:	100	95	95	108	
witedovery.	100	95	95	106	
0 86-1					
Conc. Matrix	0.40	0.40		4.0	
Spike Dup.:	0.42	0.42	0.41	1.3	
Matrix Spike					
Duplicate					
% Recovery:	105	105	102	108	
Relative					
% Difference:	4.8	10	7.6	0.0	
			• •		

Laboratory blank contained the following analytes: None Detected

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Kenneth K.F. Lee Laboratory Manager % Recovery:

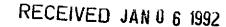
Conc. of M.S. - Conc. of Sample x 100

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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Attention: Gregory Murphy

Client Project ID:

Lab Number:

Arco #771-91-1/Livermore

Sample Descript: Soil, CS-4(A-D)

Sampled:

Dec 30, 1991

Reloged:

Dec 31, 1991

Extracted: Analyzed: Jan 2, 1992

Reported:

Jan 2, 1992 Jan 2, 1992

LABORATORY ANALYSIS

112-1104

Analyte

Detection Limit mg/kg

Sample Results mg/kg

(1)(1)(2)

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

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Concord, CA 94520

Attention: Gregory Murphy

Lab Number:

x Associates Client Project ID: Arco #771-91-1/Livermore Sampled:

Sample Descript: CS-4(A-D)

112-1104

Dec 30, 1991

Reloged: Analyzed: Dec 31, 1991 1/1-1/2/92

Reported: Jan 2, 1992

CORROSIVITY, IGNITABILITY, AND REACTIVITY

Analyte	Detection Limit	Sample Results	
Corrosivity:	N.A.		8.4
Ignitability: Flashpoint (Pensky-Martens), °C	N.A.		> 100 °C
Reactivity: Sulfide, mg/kg	10		N.D.
Cyanide, mg/kg Reaction with water	0.50 N.A.	***************************************	N.D. Negative

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

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Attention: Gregory Murphy

Client Project ID: Arco #771-91-1/Livermore

QC Sample Group: 112-1104

Reported: Jan 2, 1992

QUALITY CONTROL DATA REPORT

ANALYTE					 	
ANALTIE	Cyanide	Sulfide	PH	STLC Lead		
Method: Analyst: Reporting Units: Date Analyzed: QC Sample #:	EPA 9010 N.Z. mg/kg Jan 2, 1992 112-3367	EPA 9030 B.S./N.Z. mg/kg Jan 2, 1992 112-2616	EPA 9040 J.M. N.A. Jan 1, 1992 112-4873	EPA 7421 M.M. mg/kg Jan 2, 1992 111-1431		
Sample Conc.:	N.D.	N.D.	8.4	0.49		
Spike Conc. Added:	8.0	1300	N.A.	10		
Conc. Matrix Spike:	8.6	1100	N.A.	10		
Matrix Spike % Recovery:	108	85	N.A.	95		
Conc. Matrix Spike Dup.:	8.4	1100	8.4	11		
Matrix Spike Duplicate % Recovery:	105	85	N.A.	110		
Relative % Difference:	2.4	0.0	0.0	9.5		

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% 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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Attention: Gregory Murphy

Client Project ID:

Arco/ #771-91-1/Livermore

Sample Descript.: Soil, CS-5(A-D) EPA 5030/8015/8020

Analysis Method: Lab Number: 201-0093 Sampled:

Jan 6, 1992 Jan 6, 1992

Received: Analyzed:

Jan 6, 1992

Reported:

Jan 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	10	140
Benzene	0.050	VI D
Toluene	0.050	
Etnyi Benzene	0.050	0.060
Aylenes	0.050	4.3

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.

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Attention: Gregory Murphy

Client Project ID: Arco/ #771-91-1/Livermore

QC Sample Group: 201-0093

Reported: Jan 7, 1992

QUALITY CONTROL DATA REPORT

ANALYTE			Ethyl-		
	Benzene	Toluene	Benzene	Xylenes	
Method: Analyst: Reporting Units: Date Analyzed: QC Sample #:	EPA 8015/8020 R.H. mg/kg Jan 6, 1992 Matrix Blank	**			
Sample Conc.:	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	0.38	1.2	
Matrix Spike % Recovery:	90	90	95	100	
Conc. Matrix Spike Dup.:	0.36	0.36	0.39	1.2	
Matrix Spike Duplicate % Recovery:	90	90	98	100	
Relative % Difference:	0.0	0.0	2.6	0.0	

Laboratory blank contained the following analytes: None Detected

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% Recovery:

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

H :

Kenneth K.F. Lee

Laboratory Manager

Belative % 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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1855 Gateway Blvd, Suite 770

Concord, CA 94520 Attention: Greg Murphy Client Project ID: Matrix Descript:

Analysis Method:

First Sample #:

Arco/ #771-91-1

Soil

EPA 5030/8015/8020

201-0182

Sampled:

Jan 8, 1992

Received: Analyzed: Jan 8, 1992 Jan 8, 1992

Reported:

Jan 9, 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)
201-0182	CS-6A-D	N.D.	N.D.	N.D.	N.D.	0.017
201-0183	CS-7A-D	4.2	N.D.	N.D.	N.D.	0.086
201-0184	CS-8A-D	5.1	N.D.	0.0066	0.0061	0.15

0.0050 0.0050	0.0050 0.0050 0.00	0.0050	1.0	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.

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Kenneth K.F. Lee Laboratory Manager

2010182,RRR <1>



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Client Project ID: Arco/ #771-91-1

1855 Gateway Blvd, Suite 770

Concord, CA 94520 Attention: Greg Murphy

QC Sample Group: 2010182-0184

Reported: Jan 9, 1992

QUALITY CONTROL DATA REPORT

NALYTE			Ethyl-		
	Benzene	Toluene	Benzene	Xylenes	
	EPA	EPA	EPA	EPA	
Method:	8015/8020	8015/8020	8015/8020	8015/8020	
Analyst:	K.N./J.F.	K.N./J.F.	K.N./J.F.	K.N./J.F.	
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	
Date Analyzed:	Jan 8, 1992	Jan 8, 1992	Jan 8, 1992	Jan 8, 1992	
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	
do dampie ".	WILLIAM DIAM	IMALIIA DIAIIN	Water Dialik	Mattix Diarik	
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	
Spike Conc.					
Added:	0.40	0.40	0.40	0.40	
Conc. Matrix					
Spike:	0.40	0.40	0.43	1.3	
•				-	
Matrix Spike					
% Recovery:	100	100	108	108	
70 1.000 tolyl	100	100	100	100	
Conc. Matrix					
Spike Dup.:	0.41	0.41	0.49	1.3	
opino papi.	0.71	0.41	0.43	1.0	
Matrix Spike					
Duplicate	450				
% Recovery:	102	102	110	108	
Relative					
% Difference:	2.4	2.4	2.3	0.0	

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% Recovery:

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

2010182.RRR <2>



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Attention: Gregory Murphy

Client Project ID: Matrix Descript:

Arco #771/ Livermore

Soil Analysis Method: EPA 5030/8015/8020

First Sample #: 201-0235

Sampled: Received:

Jan 10, 1992 Jan 10, 1992

Analyzed:

Jan 10, 1992

Reported: Jan 13, 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- 0235	CS-9(A-D)	3.2	N.D.	N.D.	N.D.	0.095
201-0236	CS-10(A-D)	7.2	N,D.	0.0062	N.D.	0.041
201-0237	CS-11(A-D)	9.0	N.D.	0.0086	N.D.	0.19
201-0239	CS-13(A-D)	7.5	N.D.	0.013	0.020	0.11
201-0241	CS-15(A-D)	3.3	N.D.	N.D.	N.D.	0.065

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.

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Client Project ID:

Arco #771/ Livermore

Sampled:

Jan 10, 1992

Concord, CA 94520

Matrix Descript: Analysis Method:

Soil EPA 5030/8015/8020 Received: Analyzed: Jan 10, 1992 Jan 10, 1992

Attention: Gregory Murphy

First Sample #:

201-0238

Reported: Jan 13, 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)
201-0238	CS-12(A-D)	14	N.D.	0.022	0.021	0.47

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.

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Client Project ID:

Arco #771/ Livermore

Sampled: Received: Jan 10, 1992 Jan 10, 1992

Concord, CA 94520

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

Analyzed:

Jan 10, 1992

Attention: Gregory Murphy

First Sample #:

201-0240

Reported: Jan 13, 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)
201-0240	CS-14(A-D)	26	N.D.	0.041	0.052	1.3

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.

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Roux Associates Client Project ID: Arco #771 / Livermore 1855 Gateway Blvd. Suite 770 Matrix Descript: Soil Concord, CA 94520 Analysis Method: Attention: Gregory Murphy

Jan 10, 1992 EPA 5030/8015/8020 Analyzed: Jan 10, 1992 Reported: First Sample #: 201-0242 Jan 13, 1992

Sampled:

Received:

Jan 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)
201-0242	CS-16(A-D)	440	N.D.	N.D.	0.56	25

Detection Limits: 20 0.10 0.10 0.10 0.10

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.

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Concord, CA 94520

Attention: Gregory Murphy

Client Project ID:

Arco #771/ Livermore

Lead

Sample Descript: Analysis for:

Soil Lead

First Sample #:

201-0235

Jan 10, 1992 Sampled:

Received: Jan 10, 1992

Extracted: Jan 12, 1992

Analyzed: Jan 13, 1992 Reported: Jan 13, 1992

LABORATORY ANALYSIS FOR:

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
201-0235	CS-9(A-D)	0.25	11
201-0237	CS-11(A-D)	0.25	12
201-0239	CS-13(A-D)	0.25	11
201-0241	CS-15(A-D)	0.25	11

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

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Roux Associates

Client Project ID: Arco #771/ Livermore

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Attention: Gregory Murphy

QC Sample Group: 2010235-42

Reported: Jan 13, 1992

QUALITY CONTROL DATA REPORT

ALYTE			Ethyl-			
	Benzene	Toluene	Benzene	Xylenes	Lead	
	EPA	EPA	EPA	EPA		
Method:	8015/8020	8015/8020	8015/8020	8015/8020	EPA 7421	* *.
Analyst:	K.N.	K.N.	K.N.	K.N.	K. Anderson	
eporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
Date Analyzed:	Jan 10, 1992	Jan 10, 1992	Jan 10, 1992	Jan 10, 1992	Jan 13, 1992	
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	201-0235	
ample Conc.:	N.D.	N.D.	N.D.	N.D.	11	
pike Conc.						
Added:	0.40	0.40	0.40	1.2	50	
onc. Matrix						
Spike:	0.35	0.36	0.39	1.2	64	
Matrix Spike						
Recovery:	88	90	98	100	106	
onc. Matrix						
pike Dup.:	0.35	0.37	0.41	1.2	67	
latrix Spike						
Duplicate						
Recovery:	88	93	103	100	112	
Relative						
Difference:	0.0	2.7	5.0	0.0	4.6	

Laboratory blank contained the following analytes: None Detected

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% 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

Kenneth K.F. Lee Laboratory Manager lelative % Difference: Conc. of M.S. - Conc. of M.S.D. (Conc. of M.S. + Conc. of M.S.D.) / 2



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Client Project ID:

Arco #771-91-1/Livermore

Sampled:

Jan 17, 1992

Matrix Descript: Analysis Method:

Soil EPA 5030/8015/8020 Received: Analyzed:

Jan 17, 1992 Jan 17, 1992

Attention: Paul Supple

First Sample #:

201-0500

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)
201-0500	CS-17(A-D)	960	N.D.	6.4	5.2	73

Detection Limits: 100 0.50 0.50 0.50 0.50

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.

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Client Project ID:

Arco #771-91-1/Livermore

Jan 17, 1992

Concord, CA 94520

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

Sampled:

Jan 17, 1992 Jan 17, 1992

Attention: Paul Supple

First Sample #:

201-0501

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)
201-0501	CS-18(A-D)	720	0.49	11	7.1	83
201-0502	CS-19(A-D)	650	0.38	9.8	6.2	72

Detection Limits: 0.25 0.25 50 0.25 0.25

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 #771-91-1/Livermore

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

Matrix Descript: Analysis Method: First Sample #:

EPA 5030/8015/8020

Analyzed: Reported:

Jan 17, 1992 Jan 21, 1992

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

201-0503

Soil

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)
201-0503	CS-20(A-D)	11	N.D.	N.D.	N.D.	0.17

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.

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Roux Associates

1855 Gateway Blvd. Suite 770

Concord, CA 94520 Attention: Paul Supple Client Project ID: Arco #771-91-1/Livermore

QC Sample Group: 2010500-503

Reported: Jan 21, 1992

QUALITY CONTROL DATA REPORT

ANALYTE			Ethyl-		
	Benzene	Toluene	Benzene	Xylenes	STLC Lead
Method: Analyst: Reporting Units: Date Analyzed: QC Sample #:	EPA 8015/8020 K.E. ug/kg Jan 17, 1992 Matrix Blank	EPA 7421 K. Anderson mg/L Jan 21, 1992 112-0331			
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:	0.37	0.36	0.36	1.2	0.57
Matrix Spike % Recovery:	92	90	90	100	74
Conc. Matrix Spike Dup.:	0.36	0.36	0.36	1.2	0.59
Matrix Spike Duplicate % Recovery:	90	90	90	100	78
Relative % Difference:	2.7	0.0	0.0	0.0	3.4

Laboratory blank contained the following analytes: None Detected

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% 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



Analyte

SEQUOIA ANALYTICAL

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

Roux Associates

1855 Gateway Blvd, Suite 770

Attention: Greg Murphy

Client Project ID:

Arco #771-91-1 / Livermore

Sampled:

Jan 23, 1992

Concord, CA 94520

Sample Descript.: Analysis Method:

Soil, ACS-4A-D EPA 5030/8015/8020

Detection Limit

Received: Analyzed: Jan 23, 1992 Jan 23, 1992

Lab Number:

201-0692

Reported:

Jan 24, 1992

Sample Results

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

	mg/kg (ppn	n)	mg/kg (ppm)
Low to Medium Boiling Point Hydrocarbons	2.0		. 20
Benzene	0.010	*************************	N.D.
Toluene	0.010		N.D.
Ethyl Benzene	0.010		N.D.
Xvienes	0.010		. 0.054

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

2010692.RRR <1>



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Roux Associates

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Greg Murphy

Client Project ID: Arco #771-91-1/ Livermore

QC Sample Group: 201-0692

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:	K. E.	K. E.	K. E.	K. E.
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date Analyzed:	Jan 23, 1992			
		Jan 23, 1992	Jan 23, 1992	Jan 23, 1992 Matrix Blank
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	матих влапк
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Spike Conc.				
Added:	0.40	0.40	0.40	1.2
Audea.	0.40	0.40	0.40	1,2
Conc. Matrix				
Spike:	0.34	0.36	0.40	1.2
•				
Matrix Spike				
% Recovery:	85	90	100	100
Conc. Matrix				
Spike Dup.:	0.35	0.36	0.41	1.2
Matrix Caika				
Matrix Spike Duplicate				
% Recovery:	88	90	102	100
70 11000 VOI J.	•	30	102	100
Relative				
% Difference:	2.8	0.0	2.4	0.0
				- · -

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	•	

2010692.RRR <2>



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Roux Associates

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Client Project ID:

Arco #771/Livermore

Sampled:

Jan 30, 1992

Matrix Descript: Analysis Method: Soil EPA 5030/8015/8020 Received: Analyzed: Jan 30, 1992 Jan 30, 1992

Attention: Greg Murphy

First Sample #:

201-0943

Reported:

Jan 31, 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)
201-0943	CS-21	11	0.032	0.0084	0.016	0.042
201-0944	C\$-22	7.2	N.D.	0.0088	0.010	0.062

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.

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Roux Associates

Client Project ID: Arco #771/Livermore

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Greg Murphy QC Sample Group: 2010943-0944

Reported: Jan 31, 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:	K.E.	K.E.	K.E.	K,E.
Reporting Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Date Analyzed:	Jan 30, 1992	Jan 30, 1992		Jan 30, 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
Conc. Matrix				
Spike:	0.49	0.49	0.50	1.6
opike.				
Matrix Spike	400		40=	
% Recovery:	122	122	125	133
Cono Matris				
Conc. Matrix	0.40	0.40	0.40	4.5
Spike Dup.:	0.49	0.48	0.48	1.5
– Matrix Spike				
Matrix Spike Duplicate				
% Recovery:	122	120	120	125
% necovery:	122	120	120	120
Relative				
% Difference:	0.0	2.0	4.0	6.4
/ Difference.	0.0	2.0	4.0	Ų. 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

Kenneth K.F. Lee Laboratory Manager

2010943.RRR <2>



Roux Associates

1855 Gateway Blvd. Suite 770

Concord, CA 94520

Client Project ID:

Arco #771-91-1/ Livermore

Sampled:

Jan 21, 1992

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

Jan 21, 1992 Jan 23, 1992

Attention: Gregory Murphy

First Sample #:

201-0570

Reported:

Feb 3, 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)
201-0570	TP-1	100	N.D.	0.059	N.D.	1.4

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.

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Roux Associates

Attention: Gregory Murphy

Client Project ID:

Arco #771-91-1 / Livermore

Sampled:

Jan 21, 1992

1855 Gateway Blvd. Suite 770 Matrix Descript: Concord, CA 94520 Analysis Method:

EPA 5030/8015/8020

Received: Analyzed: Jan 21, 1992 Jan 23, 1992

First Sample #:

201-0571

Reported:

Feb 3, 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)
201-0571	TP-2	2.6	0.0057	0.012	0.012	0.12
201-0572	TP-3	1.8	0.0058	0.011	0.0071	0.053
201-0573	TP-4	1.4	0.0052	0.020	0.0094	0.092
201-0574	TP-5	1.5	0.0062	0.036	0.016	0.14
201-0575	TP-6	830	N.D.	2.5	1.5	47

etection 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.

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1855 Gateway Blvd. Suite 770

Concord, CA 94520

Attention: Gregory Murphy

Client Project ID: Sample Descript:

Arco #771-91-1/ Livermore

Analysis Method: First Sample #:

California LUFT Manual, 12/87

201-0570

Sampled: Received:

Jan 21, 1992 Jan 21, 1992

Extracted: Analyzed: Jan 22, 1992 Jan 23, 1992

Reported:

Feb 3, 1992

ORGANIC LEAD

Sample Number	Sample Description	Sample Results mg/kg (ppm)
201-0570	TP-1	N.D.
201-0571	TP-2	N.D.
201-0572	TP-3	N.D.
201-0573	TP-4	N.D.
201-0574	TP-5	N.D.
201-0575	TP-6	N.D.

Detection Limits:

0.050

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

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1855 Gateway Blvd. Suite 770

Concord, CA 94520

Attention: Gregory Murphy

Client Project ID: Arco #771-91-1/ Livermore

QC Sample Group: 2010570-575

Reported: Feb 3, 1992

QUALITY CONTROL DATA REPORT

INIAI VTE				· · · · · · · · · · · · · · · · · · ·	
NALYTE	Benzene	Toluene	Ethyl- Benzene	Xylenes	
	EPA	EPA	CD4		·
Method:	8015/8020	8015/8020	EPA	EPA	* · ·
Analyst:	6015/6020 K.E.	60 15/6020 K.E.	8015/8020 K.E.	8015/8020 K.E.	
Reporting Units:					
Date Analyzed:	mg/kg	mg/kg	mg/kg	mg/kg	
	Jan 23, 1992	Jan 23, 1992		Jan 23, 1992	
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	
Spike Conc.	0.40	0.40	0.40	4.0	
Added:	0.40	0.40	0.40	1.2	
Conc. Matrix					
Spike:	0.34	0.36	0.40	1.2	
Matrix Spike					
% Recovery:	85	90	100	100	
Conc. Matrix					
Spike Dup.:	0.35	0.36	0.41	1.2	
Matrix Caike					
Matrix Spike Duplicate					
% Recovery:	88	90	102	100	
70 1.000 VOI 91	00	5 V	102	100	
Relative					
% Difference:	2.8	0.0	2.4	0.0	

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

x 100



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1855 Gateway Blvd. Suite 770 Concord, CA 94520

Attention: Gregory Murphy

Client Project ID: Arco #771-91-1 / Livermore

QC Sample Group: 2010570-575

Reported: Feb 3, 1992

QUALITY CONTROL DATA REPORT

ANALYTE		:	Ethyl-		
	Benzene	Toluene	Benzene	Xylenes	Organic Lead
	EPA	EPA	ÉPA	EPA	
Method:	8015/8020	8015/8020	8015/8020	8015/8020	LUFT
Analyst:	K.N.	K.N.	K.N.	K.N.	K. Anderson
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date Analyzed:	Jan 24, 1992	Jan 24, 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	20
Conc. Matrix Spike:	0.31	0.32	0.32	1.1	18
Matrix Spike % Recovery:	78	80	80	92	90
Conc. Matrix Spike Dup.:	0.33	0.33	0.34	1.2	20
Matrix Spike Duplicate % Recovery:	82	82	85	100	100
Relative % Difference:	6.2	3.1	6.0	8.6	11

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1/1

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



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Roux Associates

1855 Gateway Blvd, Suite 770

Concord, CA 94520 Attention: Greg Murphy Client Project ID:

relog-#2010944

Sample Descript: Analysis for: First Sample #:

Soil, CS-22 STLC Lead 201-0944 Sampled: Relogged: Jan 30, 1992 Jan 31, 1992

Extracted:

Feb 1, 1992

Analyzed: Reported:

Feb 3, 1992 Feb 3, 1992

LABORATORY ANALYSIS FOR:

STLC Lead

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
201-0944	CS-22	0.0050	0.072

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

SEQUOIA ANALYTICAL

Kenneth K.F. Lee Laboratory Manager

2010944.RRR <1>



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Roux Associates

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Greg Murphy

Client Project ID: relog-#2010944

QC Sample Group: 201-0944

Reported: Feb 3, 1992

QUALITY CONTROL DATA REPORT

ANALYTE

STLC

Lead

Method:

EPA 7421

Analyst:

K. Anderson

Reporting Units: Date Analyzed:

mg/L

QC Sample #:

Feb 3, 1992 201-0944

Sample Conc.:

0.072

Spike Conc.

Added:

0.50

Conc. Matrix

Spike:

0.43

Matrix Spike

% Recovery:

72

Conc. Matrix

Spike Dup.:

0.47

Matrix Spike

Duplicate % Recovery:

80

Relative

% Difference:

8.9

SEQUOIA ANALYTICAL

EQUUIA ANALT IICAL % Rec

% 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

Kenneth K.F. Lee Laboratory Manager

2010944.RRR <2>



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Roux Associates 1855 Gateway Blvd, Suite 770

Concord, CA 94520 Attention: Greg Murphy Client Project ID: Arco/ #771-91-1 Sample Descript.: Soil, ACS-17 (A-D)

Analysis Method: Lab Number:

EPA 5030/8015/8020 202-0055

Sampled: Feb 4, 1992 Received: Analyzed:

Feb 4, 1992 Feb 4, 1992

Reported: Feb 5, 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	10	************	69
Benzene	0.050	4	N.D.
Toluene	0.050		0.058
Ethyl Benzene	0.050		0.052
Xylenes	0.050		0.47

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.

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Roux Associates

Client Project ID: Arco/ #771-91-1

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Greg Murphy

QC Sample Group: 202-0055

Reported: Feb 5, 1992

QUALITY CONTROL DATA REPORT

ANALYTE		,	Ethyl-	
	Benzene	Toluene	Benzene	Xylenes
			504	-B.
Method:	EPA	EPA	EPA	EPA
	8015/8020	8015/8020	8015/8020	8015/8020
Analyst:	K.E./K.N./J.F.	K.E./K.N./J.F.		K.E./K.N./J.F.
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date Analyzed:	Feb 4, 1992	Feb 4, 1992	Feb 4, 1992	Feb 4, 1992
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Snika Cona				
Spike Conc. Added:	0.40	0.40	0.40	1.2
Conc. Matrix				
Spike:	0.44	0.44	0.48	1.4
Matrix Spike				
% Recovery:	110	110	120	116
Conc. Matrix				
Spike Dup.:	0.42	0.42	0.45	1.3
Matrix Spike				
Duplicate				
% Recovery:	105	105	112	108
Relative				
% Difference:	4.6	4.6	6.4	7.4

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Kenneth K.F. Lee Laboratory Manager

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

2020055.RRR <2>



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RECEIVED FEB 1 4 1992

Roux Associates

1855 Gateway Blvd. Suite 770 Concord, CA 94520

Attention: Gregory Murphy

Client Project ID: Matrix Descript:

Arco #771-91-1 / Livermore

Soil EPA 5030/8015/8020

Analysis Method: First Sample #: 202-0281 Sampled:

Feb 7, 1992

Received: Analyzed:

Feb 7, 1992 Feb 10, 1992

Reported: Feb 11, 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)
202-0281	L1	N.D.	N.D.	0.035	N.D.	N.D.
202-0284	L4	2.2	0.0093	0.52	0.011	0.061
202-0285	L5	N.D.	N.D.	N.D.	N.D.	N.D.
202-0286	L6	N.D.	N.D.	N.D.	N.D.	N.D.
202-0288	L8	1.2	N.D.	0.027	N.D.	0.0068

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.

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Attention: Gregory Murphy

Client Project ID:

Arco #771-91-1 / Livermore

Soll

Feb 7, 1992

Matrix Descript: Analysis Method:

EPA 5030/8015/8020

Received: Analyzed:

Sampled:

Feb 7, 1992 Feb 10, 1992

First Sample #:

202-0282

Reported:

Feb 11, 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- 0282	L2	750	0.35	30	26	200
202-0287	L7	600	N.D.	0.21	N.D.	26

Detection Limits: 20 0.10 0.10 0.10 0.10

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.

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Kenneth K.F. Lee aboratory Manager



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Roux Associates

1855 Gateway Blvd. Suite 770

Concord, CA 94520 Attention: Gregory Murphy Client Project ID:

Arco #771-91-1 / Livermore

Soil

Sampled: Received: Feb 7, 1992

Matrix Descript: Analysis Method:

EPA 5030/8015/8020

Analyzed:

Feb 7, 1992 Feb 10, 1992

First Sample #:

202-0283

Reported:

Feb 11, 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)
202-0283	L3	41	0.091	0.28	0.10	0.93

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 equired additional sample dilution, detection limits for this sample have been raised.

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Kenneth K.F. Lee _aboratory Manager



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Roux Associates

1855 Gateway Blvd. Suite 770

Concord, CA 94520

Attention: Gregory Murphy

Client Project ID:

Arco #771-91-1 / Livermore

Sample Descript: Soil

Analysis Method: First Sample #:

California LUFT Manual, 12/87

202-0281

Sampled: Received: Feb 7, 1992 Feb 7, 1992

Extracted: I

Feb 10, 1992 Feb 10, 1992

Analyzed: Feb 10, 1992 Reported: Feb 11, 1992

ORGANIC LEAD

Sample Number	Sample Description	Sample Results mg/kg (ppm)
202-0281	. Ł1	N.D.
202-0282	L2	N.D.
202-0283	L3	N.D.
202-0284	L4	N.D.
202-0285	L5	N.D.
202-0286	L6	N.D.
202-0287	L7	N.D.
202-0288	L8	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 .boratory Manager



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Roux Associates

1855 Gateway Blvd. Suite 770

Concord, CA 94520

Attention: Gregory Murphy

Client Project ID: Arco #771-91-1/ Livermore

QC Sample Group: 2020281-288

Reported: Feb 11, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	<u> </u>					
TOWAL! IL	Benzene	Toluene	Ethyl- Benzene	Xylenes	Organic Lead	
	SOTIZOTIC	Toldelle	Derizerie	Aylettes	Organic Lead	
	EPA	EPA	EPA	EPA		· .
Method:	8015/8020	8015/8020	8015/8020	8015/8020	LUFT	
Analyst:	J.F.	J.F.	J.F.	J.F.	T. Marcarenas	
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/gkg	
Date Analyzed:	Feb 10, 1992	Feb 10, 1992		Feb 10, 1992	Feb 10, 1992	
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Błank	202-0281	
Sample Conc.:	N.D.	N/D	ND	N.D		
Sample Conc	N.D.	N.D.	N.D.	N.D.	N.D.	
Spike Conc.						
Added:	0.40	0.40	0.40	1.2	1.0	
,	00	0.40	0.40	1.4	1.0	
Conc. Matrix						
Spike:	0.47	0.46	0.47	1.5	1.1	
		0.10	0.47	1.0	1-1	
Matrix Spike						
% Recovery:	118	115	118	125	110	
, 				120	110	
Conc. Matrix						
Spike Dup.:	0.49	0.49	0.49	1.6	1.2	
		- · · -	· -	1.0	• • •	
Matrix Spike Duplicate						
% Recovery:	122	122	122	133	120	
	-		1 4 4 ,	100	120	
, Relative						
% Difference:	4.1	6.3	4.2	6.4	8.7	
		5.0	7.6	U. 4	0.1	
ı						

SEQUOIA ANALYTICAL

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

 Spike Conc. Added
 Spike Conc. of M.S.D.
 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
 2



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Roux Associates

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Client Project ID:

Arco/ #771-91-1

Sampled:

Feb 18, 1992

Matrix Descript: Analysis Method:

Soil, CA-23 A-D EPA 5030/8015/8020 Received: Analyzed:

Feb 18, 1992 Feb 18, 1992

Attention: Greg Murphy

First Sample #:

202-0566

Reported:

Feb 20, 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)		
202-0566	CS-23 A-D	6.3	0.011	0.014	0.0084	0.082		

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

Kenneth K.F. Lee **Laboratory Manager**



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: Greg Murphy Client Project ID:

Arco/ #771-91-1 Sample Descript: Soil, CS-23 A-D

Analysis for: First Sample #: STLC Lead 202-0566

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

Feb 18, 1992 Extracted:

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

LABORATORY ANALYSIS FOR:

STLC Lead

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
202-0566	CS-23 A-D	0.0050	0.50

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

SEQUOIA ANALYTICAL

Kenneth K.F. Lee Laboratory Manager

2020566.RRR <2>



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Roux Associates

Client Project ID: Arco/ #771-91-1

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Greg Murphy

QC Sample Group: 202-0566

Reported: Feb 20, 1992

2020566.RRR <3>

QUALITY CONTROL DATA REPORT

ANALYTE			Ethyl-			
	Benzene	Toluene	Benzene	Xylenes	STLC Lead	
Method: Analyst: Reporting Units: Date Analyzed: QC Sample #:	EPA 8015/8020 K.E./K.N./J.F. mg/Kg Feb 18, 1992 Matrix Blank	EPA 8015/8020 K.E./K.N./J.F. mg/Kg Feb 18, 1992 Matrix Blank	mg/Kg	EPA 8015/8020 K.E./K.N./J.F. mg/Kg Feb 18, 1992 Matrix Blank	mg/L	
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	0.50	
Spike Conc. Added:	0.40	0.40	0.40	1.2	1.0	
Conc. Matrix Spike:	0.48	0.47	0.47	1.4	1.4	·
Matrix Spike % Recovery:	120	117	117	116	90	
Conc. Matrix Spike Dup.:	0.46	0.46	0.46	1.4	1.3	
Matrix Spike Duplicate % Recovery:	115	115	115	116	80	
Relative % Difference:	4.2	2.1	2.1	0.0	7.4	

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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1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Greg Murphy

Client Project ID:

ct ID: Arco/ #771-91-1

Matrix Descript: Soil

Analysis Method: First Sample #:

EPA 5030/8015/8020

Sampled: Feb Received: Feb

Feb 26, 1992 Feb 26, 1992

Analyzed:

Feb 26, 1992

Reported:

Feb 27, 1992

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

202-0968

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)
202-0968	CSA-18	130	N.D.	0.12	0.072	1.2
202-0969	CSD-19	93	N.D.	N.D.	0.042	0.37

i							1
Detection Limits:	5.0	0.025	0.025	0.025	0.025	·	
							1

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

Belinda C. Vega Laboratory Director



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: Greg Murphy

Client Project ID: Arco/ #771-91-1

QC Sample Group: 2020361-0371

Reported: Feb 27, 1992

QUALITY CONTROL DATA REPORT

ANALYTE			Ethyl-			
	Benzene	Toluene	Benzene	Xylenes	 	
Method: Analyst: Reporting Units: Date Analyzed: QC Sample #:	EPA 8015/8020 K.E./K.N./J.F. mg/Kg Feb 26, 1992 Matrix Blank	EPA 8015/8020 K.E./K.N./J.F. mg/Kg Feb 26, 1992 Matrix Blank	mg/Kg	EPA 8015/8020 K.E./K.N./J.F. mg/Kg Feb 26, 1992 Matrix Blank	·*	
Sample Conc.:	N.D.	N.D.	N.D.	N.D.		
Spike Conc. Added:	0.40	0.40	0.40	1.2		
Conc. Matrix Spike:	0.42	0.44	0.46	1.2		
Matrix Spike % Recovery:	105	110	115	100		
Conc. Matrix Spike Dup.:	0.41	0.45	0.46	1.2		
Matrix Spike Duplicate % Recovery:	102	112	115	100		
Relative % Difference:	2.4	2.2	0.0	0.0	e e	

SEQUOIA ANALYTICAL

Bucy

Belinda C. Vega Laboratory Director % 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

2020968.RRR <2>



RECEIVED MAR 0 5 1992

Roux Associates

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Greg Murphy

Client Project ID:

Sample Descript:

Arco/771-91-1

Soil, CSA-18 (relog)

Lab Number:

#2020968

Sampled:

Feb 26, 1992

Relogged:

Feb 27, 1992

Extracted: Analyzed: Feb 27, 1992 Mar 2, 1992

Reported:

Mar 2, 1992

LABORATORY ANALYSIS

Detection Limit Sample Results Analyte mg/kg mg/kg 0.0050 0.12

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

SEQUOIA ANALYTICAL

Kenneth K.F. Lee Laboratory Manager

#2020968.RRR <1>

Roux Associates

Client Project ID: Arco/ 771-91-1

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Greg Murphy QC Sample Group: 202-0968

Reported: Mar 2, 1992

QUALITY CONTROL DATA REPORT

ANALYTE STLC
Lead

Method:

EPA 7421

Analyst:

K. Anderson

Reporting Units:

mg/L

Date Analyzed: QC Sample #:

Mar 2, 1992

202-0959

Sample Conc.:

3.6

Spike Conc.

Added:

5.0

Conc. Matrix

Cailca

Spike:

8.6

Matrix Spike

% Recovery:

100

Conc. Matrix

Spike Dup.:

8.8

Matrix Spike

Duplicate

% Recovery:

104

Relative

% Difference:

2.3

SEQUOIA ANALYTICAL

Kenneth K.F. Lee

Laboratory Manager

% Recovery:

Relative % Difference:

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

x 100

Spike Conc. Added

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

x 100

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

#2020968.RRR <2>

RECEIVED MAK 0 9 1992

Roux Associates

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Greg Murphy

Client Project ID:

First Sample #:

Arco #771-91-1 / Livermore

Soil

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

202-0564

Sampled:

Feb 18, 1992

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

Reported:

Mar 6, 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)
202-0564	1.2B*	91	N.D.	N.D.	N.D.	2.4

Detection Limits: 20 0.10 0.10 0.10 0.10

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.

Please Note:

SEQUOIA ANALYTICAL

Kenneth K.F. Lee Laboratory Manager * The above sample does not appear to contain gasoline.

2020564.RRR <1>



Roux Associates

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Greg Murphy

Client Project ID: Matrix Descript:

Arco #771-91-1/ Livermore

Soil

Analysis Method:

EPA 5030/8015/8020

First Sample #: 202-0565

Sampled:

Feb 18, 1992

Received:

Feb 18, 1992 Feb 18, 1992

Analyzed: Reported:

Mar 6, 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)
202-0565	L7B	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

Kenneth K.F. Lee Laboratory Manager Roux Associates

Client Project ID: Arco #771-91-1/ Livermore

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Greg Murphy

QC Sample Group: 2020564-565

Reported: Mar 6, 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:	K.E.	K.E.	K.E.	K.E.		
	Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg		
	Date Analyzed:	Feb 18, 1992	Feb 18, 1992		Feb 18, 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		
_							
-	Conc. Matrix						
	Spike:	0.48	0.47	0.47	1.4		
					• • • • • • • • • • • • • • • • • • • •		
ı							
	Matrix Spike						
	% Recovery:	120	117	117	116		
	70 11000 101 31	,	• • • • • • • • • • • • • • • • • • • •		, , , ,		
	Conc. Matrix						
	Spike Dup.:	0.46	0.46	0.46	1.4		
	- ff	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••		
	Matrix Spike						
	Duplicate						
	% Recovery:	115	115	115	116		
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	110			1.0		
	Relative				4		
	% Difference:	4.2	2.1	2.1	0.0		
		-		·	4.4		•

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.

x 100

Kenneth K.F. Lee Laboratory Manager (Conc. of M.S. + Conc. of M.S.D.) / 2

2020564.RRR <3>



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RECEIVED MAR 1 6 1992

Roux Associates

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Greg Murphy

Client Project ID:

Sample Descript.: Soil, CSAA-18 (A-D)

Analysis Method:

Lab Number:

Arco/ 771-91-1

EPA 5030/8015/8020

203-0404

Sampled:

Mar 9, 1992

Received: Mar 10, 1992

Analyzed: Mar 10, 1992 Reported:

Mar 12, 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	***************************************	13
Benzene	0.0050		N.D.
Toluene	0.0050	********************************	0.0057
Ethyl Benzene	0.0050	***************************************	0.0050
Xylenes	0.0050		0.012

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

Kenneth K.F. Lee Laboratory Manager

2030404.RRR <1>

Roux Associates

Client Project ID: Arco/771-91-1

1855 Gateway Blvd, Suite 770

Concord, CA 94520

Attention: Greg Murphy

QC Sample Group: 203-0404

Reported: Mar 12, 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:	K.E./K.N./J.F.	K.E./K.N./J.F.		K.E./K.N./J.F.
Reporting Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Date Analyzed:	Mar 10, 1992	Mar 10, 1992		Mar 10, 1992
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank
1			(114114)	
Sample Conc.:	N.D.	ND	N.D.	N.D
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Spike Conc.				
Added:	0.40	0.40	0.40	1.2
1				
Conc. Matrix				
Spike:	0.30	0.33	0.38	1.2
I			0.00	.,_
Matrix Spike				
% Recovery:	75	83	95	100
j				
Conc. Matrix				
Spike Dup.:	0.32	0.34	0.38	1.2
, =,			****	· · -
Matrix Spike				
Duplicate				
% Recovery:	80	85	95	100
-				
Relative				
% Difference:	6.5	3.0	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.

x 100

Kenneth K.F. Lee Laboratory Manager (Conc. of M.S. + Conc. of M.S.D.) / 2

2030404.RRR <2>

APPENDIX C

Chain-of-Custody Documentation

IARCO Pro	oducts	Com	nany			. =	Tas	order No.			(1											Change of Carellod
ARCO Facility no				ity acillty)	LIVER	TORE	1035	Muei Ito.		i mana(ger /	GRE	6 H	LI RIPLI	17	·					······································	Laboratory name #
ARCO engineer	CHUCK					Telepho (ARCO)	Me no.			rone no.		2-2				x no. onsulta:	nt)	687	-125	 8		SERVIOIN
Consultant name	Ronz	Κ					Address (Consul	s Itant) 18			ewar				トフ				ord			Contract number
			Matrix		Prese	ervation					7	1								-4	1	Method of shipment
Sample I.D.	Container no.	Soil	Water	Other	lce	Acid	Sampling date	Sampling time	BTEX 602/EPA 8020	8TEX/TPH EPA M602/8020/8015	TPH Modified 8015 Gas Diesel	Oil and Grease 413.1 □ 413.2 □	TPH EPA 418.1/SM503E	EPA 501/8010	EPA 624/8240	EPA 625/8270	TCLP Semi Metats □ VOA □ VOA □	CAM Metals EPA 601 TTLC ☐ STLC ☐	Lead Org./DHS C Lead EPA 7420/7421	STLC Bas	RCI	
CS-KA-D	4	X	ļ		<u> </u>		12/30/91	1130		X					116	2/	10	•	10			Special detection Limit/reporting
(5-2(A-D)	4	×					/	1145		4					, <u>, ,</u>	11	05		\			
cs-3(a-b)	4	×						1200		X						116						
CS-4(4-16)	1	У						1535		Υ .						//	74					Special QA/QC
TIA	1	×					1	15001		X						//	05					openii avaac
TIB	1	×			1		17	1935	1	¥						//	060					
TZA		7						1430	1	X							7					
T2B	1,	>	+		 	 		1443,		X				 		///	7					Remarks
T3A		7	1		-			1439		X						112	9					C5-1, 2, 3, 4
T3B	1	×			†			1450		x						//E ///	3				-	AKE COMPOSITET
TYA		>					 - - 	1447		X						(//						
TYB		*						1		×						///	2					
												 										Lab number
																						Turnaround time
																						Priority Rush 1 Business Day
Condition of samp									_1	erature i	receive	<u></u>										1 Business Day
Relinguished by sa	ampler Royal					Date 12/30/9	4	Time	Receiv	ved by		5 <u>/</u>	line									2 Business Days
Relinquished by						Date	<u> </u>		Receiv		70	ries	~, ~									Expedited 5 Business Days
Relinquished by						Date		Time	Regeiv	ved by la	aborato	ry			D	ate			Time			Standard 10 Business Days

Distribution: White copy — Laboratory; Canary copy — ARCO Environmental Engineering; Pink copy — Consultant APPC-3292 (2-91)

AHCO Facili		ion of Atlantic	Dichileld					Tisk 9	r No	7.7 Projec	t mana											Chain of Custo	ody
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		CHUCK	CAR	MUL			Telepho (ARCO)	ne no.		Teleph (Consu	one no. Itant)	40	2-23	33		Fa: (Co	x no. Onsultai	nt) 6	87-	1258		Contract number	
Consultant n	ame	Roux	A 550	SCIATE	ê.t			Address (Consulta	ant) 185	5 6	ATE.	AY	BWD	, su	rε	770	رحن	بادديو	مری ر	9	1250		
				Matrix		Prese	rvation				55		_	[EQ.	000700			Method of shipment	
Sample 1.D.	Lab no.	Container no.	Soil	Water	Other	lce	Acid	Sampling date	Sampling time	BTEX 602/EPA 8020	BTEXTPH - G EPA M602/8020/8015	TPH Modified 8015 Gas Diesel	Oil and Grease 413.1 413.2	TPH EPA 418.1/SM503E	EPA 501/8010	EPA 624/8240	EPA 625/8270	TCLP Semi Metals □ VOA □ VOA □	CAM Metals EPA 601	Lead OrguDHS C		HAND	
CS-5(A-1))	Ч	ĸ			×		1/6/92	1030		Χ				20	 	•		AD			Special detection Limit/reporting	
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Relinquished							Date		Time	Receiv	red by				aa l							Expedited 5 Business Days	
Relinquished	by						Date		Time	Receiv	ed by	aborato	ory			C	ate			Time		Standard 10 Business Days	

ARCO	Divisio	UCIS n of Atlant	Com IcRichileid	Company				Task O	rder No.	7	71		91	_								Chain of Custody
ARCO Facil		77	1	Ci (Fi	ty acility) (Liver	more			Project (Consu	t manaç	g er (rea	g /	Mu	roh	^					Laboratory name
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				Matrix		Prese	rvation]		1		'	Semi	00077000			Method of shipment
Sample I.D.	Lab no.	Container no,	Soil	Water	Other	lce	Acid	Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH EPA M602/8020/8015	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	CAM Metals EPA 6010/7000	Lead Org./DHS Class EPA 1.8ad EPA 7420/7421 Cl		Hand ivery
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Consultant	name £	NUA	As	50c/a				Address (Consult	nn) /85	z 6	inte	Wav	2	/vd	#	270		Co	nca	rd	CA		Contract number
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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 GS S EPA M602/8020/8015	TPH Modified 8015 Gas Diesel	Oit and Grease 413.1 413.2	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Semi Metais □ VOA □ VOA	CAM Metals EPA 60)	Lead OrgJDHS A Lead EPA 74207421 □			Special detection
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APPENDIX D

Soil Disposal Documentation

Waste NON-HAZARDOUS SPECIAL WASTE MANIFEST

	GENE	RATOR
nerator Name	ARCO Products	_ ARCO Station #771
	P. 0. Box 5811	Address899 Rincon Avenue
ddress	San Mateo. Cal 94402	Livermore, California
one No. 4	1 5 5 7 1 2 4 3 4	Phone No.
Fl Waste Code	C A 4 0 5 0 1 1 0 9	2 1 1 6 8 3 Containers Type D - Drum Quantity Units No. Type
	Description of Waste	0 0 0 1 8 Y 0 T B-Bag
	NON HAZARDOUS SOIL	T Truck P - Pounds
		Y-Yards O-Other
	ette: that the above named material does not cofft	ain free liquid as defined by 40 CFR Part 260.10 or any applicable
	s not a hazardous waste as defined by 40 CFR fund packaged, and is in proper condition for transp	St. 501.01.8tth Sphilespie prate and property
7.40		
enerator Authorize	od Agent Name 18 18 18 18 18 18 18 18 18 18 18 18 18	Schipment Date
1	TRAN	ISPORTER
Fruck No.		510-634-6850 Phone No
Transporter Na	Diliard Trucking. Inc.	
ddress	P; O. Box 218	Vehicle License No./State 4E83936
	Byron California 94544	Vehicle Certification 205125
hereby certify at the generat	y that the above named material was picked up or site listed above.	I hereby certify that the above named material was delivered with out incident to the destination listed below.
lapola	CHAMPTON DIV HAV	Delivery Date
Driver Signature	Shipment Date	Lives Signame
	DES	STINATION
Site Name	B.F.I. Vasco Road Landfill	Phone No. 5 1 0 4 4 7 0 4 9
Address	4001 North Vasco Rd. Livermor	B.7 CB. 9455U
- ☑ hereby certi	fy that the above named material has been accept	ed and to the best of my knowledge the oregoing is true and accurate
		0//49
Neme of Authoriz	red Agent Signature	
		PASS CODE BFI26
<u>.</u> 기사 등 기계 취	· · · · · · · · · · · · · · · · · · ·	MARKET AND THE STATE OF THE BEST OF THE STATE OF THE STAT

GENER	RATOR
enerator Name ARCO Products	Generating Location ARCO Station #771
Address P. O. Box 5811	Address 899 Rincon Avenue
San Mateo. Ca. 94402	Livermore, California
Phone No. 4 1 5 - 5 7 1 2 4 3 4	Phone No.
Waste Code C A 4 0 5 0 1 1 0 9 2 Description of Waste	Quantity Units No. Type D - Drum
NON HAZARDOUS SOIL	0 0 0 1 8 Y 0 T T C - Carton B - Bag T - Truck
	P - Pounds Y - Yards O - Other
	n free liquid as defined by 40 CFR Part 260:10 or any applicable t 261 or any applicable state law, has been properly described, ation according to applicable regulations.
TON PANEON FOR ARCO Sold U formation Authorized Agent Names Signature	2 1 1 4 9 5 2 2 3 4 5 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
TRANS	PORTER
Truck No. D	510-634-6850 Phone No.
Dillard Trucking, Inc.	Driver Name (Print) KEN DWARTE
Address P. O. Box 218	Vehicle License No./State 3×1/065 CA.
Byron, California 94544	Vehicle Certification 206022
the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Kin fuarti : 011492	
river Signature Shipment Date	Driver Signature Delivery Date
DESTI	NATION
Site Name B.F.I. Vasco Road Landfill	Phone No. 5 1 0 4 4 7 0 4 9 1
ddress4001 North Vasco Rd., Livermore.	Ca. 94550
I hereby certify that the above named material has been accepted a	and to the best of my knowledge the foregoing is true and accurate.
	1977 FINTANE
Name of Authorized Agent Signature	Receipt/Dete/
	PASS CODE
10/86	BF1260-724



		GENE	RATOR
nerator Name _	ARCO Products		Generating Location ARCO Station #771
Address	P. O. Box 5811		Address 899 Rincon Avenue
Address	San Mateo. Ca. 94	402	Livermore, California
Phone No. 4	1 5 5 7 1 2	4 3 4	Phone No.
BT Waste Code	C A 4 0 5	0 1 1 0 9 2	
1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1	Description of Wa	ste	Quantity Units No. Type D-Drum O O O V P Y O T T C-Carton
	NON HAZARDOUS SOIL	V. A. Marketta	B - Bag
			P - Pounds Y - Yards
			O - Other
state law, is r	not a hazardous waste as	lefined by 40 CFR Pa	n tree liquid as defined by 40 CFR Part 260.10 or any applicable of 261 or any applicable state law, has been properly described, tation according to applicable regulations.
	bei For Ago	Soil Wohan	
Generator Authorized A	gent Name	Market Company of the	Shipment Date
the desired		TRANS	PORTER
Truck No	87 4874		Phone No.
ansporter Name	Dillard Trucking	Inc.	Driver Name (Print) Beisel United
≜ ddress	P. O. Box 218		Vehicle License No./State 3/198428
	Byron, California	94544	Vehicle Certification 200/601 200/800
the generator s	at the above named materi	al was picked up	I hereby certify that the above named material was delivered without incident to the destination listed below.
D : 0	thet o	11432	R-def OVVKPE
ver Signature		Shipment Date	Driver Signature Delivery Date
		DESTI	NATION
Site Name	- B.F.I. Vasco Road		Phone No. 5 1 0 4 4 7 0 4 9 1
ddress	4001 North Vasco	Kd., Livermore.	C8:: 94350
I hereby certify the	at the above named materi	al has been accepted	and to the best of my knowledge the foregoing is true and accurate.
			1607 VVHI
Name of Authorized Ac	jeni a de la companya	Signature	Receipt Date
			PASS CODE



	GENE	RATOR
Conerator Name _	ARCO Products	Generating Location ARCO Station #771
Address	P. O. Box 5811	Address 899 Rincon Avenue
	San Mateo. Ca. 94402	Livermore. California
Phone No. 4	1 5 - 5 7 1 2 4 3 4	Phone No.
Waste Code	C A 4 0 5 0 1 1 0 9 2 Description of Waste	Containers Type Quantity Units No. Type D-Drum
	NON HAZARDOUS SOIL	0 0 0 / 8 Y 0 / T B - Bag T - Truck P - Pounds
		Y • Yards O • Other
state law, is r	not a hazardous waste as defined by 40 CFR Pa	in free liquid as defined by 40 CFR Part 260.10 or any applicable art 261 or any applicable state law, has been properly described, reation according to applicable regulations.
	SOU FIRE ARCO : South Williams	· · · · · · · · · · · · · · · · · · ·
		SPORTER
Truck No.	1/092	510-634-6850 Phone No.
ansporter Name	Dillard Trucking, Inc.	Driver Name (Print) DogLAS STEPHEN
didress	P. O. Box 218	Vehicle License No /State 3 2 42 6 1
	Byron, California 94544	Vehicle Certification 300 f 21
	nat the above named material was picked up	I hereby certify that the above named material was delivered without incident to the destination listed below.
1 och	Heppen Oliverz	10 hr tepha 01/49/2
ver Signature	Shipment Date	Driver Signature Delivery Date
	DEST	INATION
Site Name	B.F.I. Vasco Road Landfill	Phone No. 5 1 0 4 4 7 0 4 9 1
idress	4001 North Vasco Rd. Livermore,	Ca (94550
Lhereby certify th	nat the above named material has been accepted	and to the best of my knowledge the foregoing is true and accurate.
	gent Signature	Hay T WY THE
Name of Authorized Aç	you on one of the control of the con	PASS CODE



NON-HAZARDOUS SPECIAL WASTE MANIFEST

		GENER/	TOR	·		
enerator Name	ARCO Products		Generating Locati	ARCO Stat	ion #771	
 Address	P. O. Box 5811		ddress899	Rincon Aven	ue .	• *
	San Mateo. Ca. 9440			vermore, Cali	fornia	
Phone No. 4	1 5 5 7 1 2 4	3 4	Phone No.			
FI Waste Code	C A 4 0 5 0	1 1 0 9 2	1 1 6 8		Containers	Type D - Drum
	Description of Waste	en de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	0 0	uantity Un		C - Carton
	**NON HAZARDOUS SOIL					T - Truck P - Pounds Y - Yards O - Other
state law, is classified an	ify that the above named mate not a hazardous waste as def d packaged, and is in proper o	ined by 40 CFR Part ondition for transportal	261 or any applicion according to	cable state law, i	as been properly	described.
	RAMINEN For ARIG			O V V		
		TRANSP	ORTER	and the first property of the same	A SE SEAS SECTION OF THE SECTION OF	THE PARTY NEW YORK
Truck No.	77		Phone No.	610-694-68		
ransporter Nam	Dillard Trucking,	inc,	Driver Name (Pri	n) <i>Chick</i>	2 MG04	<u>ec</u>
∆ ddress	P. O. Box 218		Vehicle License I	No/State 40	0.8284	
	Byron, California	94544	Vehicle Certificat	マラク		
hereby certify to the generator	hat the above named material site listed above	was picked up	I hereby certify thout incident to the	nat the above name destination liste	ned material was d d below. 😤 💸	lelivered with
- Chil	3/11 Jun 0	11496	Charles	1115	(\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1152
river Signature			Driver Signature	A CONTRACTOR	- Del	ivery Date
		DESTIN	ATION	•		
Site Name	B.F.I. Vasco Road		Phone	No. 5 1 0	4 4 7	0 4 9 1
ddress	4001 North Vasco Re	i., Livermore, C	a. 94550			
I hereby certify 1	that the above named material	has been accepted an	d to the best of n	ny knowledge the	foregoing is true	and accurate.
Name of Authorized	gent	Signature	1	400 O		celpt Date
To a subject of the second			and the first section with the section of the secti	PASS CODE		BF1260-



G	ENERATOR
nerator Name ARCO Products	Generating Location ARCO Station #771
Address P. O. Box 5811	Address 899 Rincon Avenue
San Mateo. Ca. 94402	Livermore, California
Reone No. 4 1 5 5 7 1 2 4 3 4	Phone No.
NON HAZARDOUS SOIL	9 2 1 1 6 8 3
	P - Pounds Y - Yards O - Other
I hereby certify that the above named material does not a state law, is not a hazardous waste as defined by 40 CF classified and packaged, and is in proper condition for tra	contain free liquid as defined by 40 CFR Part 260.10 or any applicable R.Part-261 or any applicable state law, has been properly described, insportation according to applicable regulations.
TODD RAMSON FIR ARCON JOBSON	2 5 1 1 7 1 2 3 4 4 5 Shipment Date 20 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Generator Authorized Agent Name · · · · · · · · · · · · · · · · · · ·	RANSPORTER
E	510-634-6850 Phone No.
Truck No Dillard Trucking; Inc. ***	Driver Name (Print) HAROLD HAMPTON
P. O. Box 218	Vehicle License No./State 4E83936
Byron, California 94544	Vehicle Certification 20512-5
nereby certify that the above named material was picked up the generator site listed above.	hereby certify that the above named material was delivered without incident to the destination listed below.
Larold Hampton 01149	
ver Signature Shipment Date	表情感情的多数,但是我们的人们会是一个人的人。
	ESTINATION
Site Name B.F.I. Vasco Road Landfill 4001 North Vasco Rd. Livermo	Phone No. 5 1 0 -4 4 7 0 4 9 1 ore, Ca. 94550
ddress	
	epted and to the best of my knowledge the foregoing is true and accurate.
Name of Authorized Agent Signs	PASS CODE



GENE	RATOR
ARCO Products	ARCO Station #771 Generating Location
P. O. Box 5811	899 Rincon Avenue
AddressSan Mateo. Ca. 94402	Address Livermore, California
Phone No. 4 1 5 5 7 1 2 4 3 4	Phone No.
Description of Waste	2 1 1 6 8 3 Containers Type D - Drum
NON BAZARDOUS SOIL	0 0 0 1 8 Y 0 T C - Certon B - Bag T - Truck
	P - Pounds Y - Yards O - Other
TRAN	SPORTER
Truck No.	Phone No.
Dillard Trucking, Inc.	_ Driver Name (Print)
P. O. Box 218	_ Vehicle License No./State 4
Byron, California 94544	Vehicle Certification 300837
nereby certify that the above named material was picked up the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
- 2/hl My 01/45+	Driver Signature Delivery Date
ver Signature Shipment Date	
DEST	INATION
Site Name B.F.I. Vasco Road Landfill	Phone No. 5 1 0 4 4 7 0 4 9 1
ddress 4001 North Vasco Rd., Livermore,	
I hereby certify that the above named material has been accented	and to the best of my knowledge the foregoing is true and accurate.
Thorsey county was use above named material has been accepted	IN VAIPV
Name of Authorized Agent Signature	Receipt Date
	PASS CODE
_10/86	BFI260-72



	GENERATOR
enerator Name	Generating Location ARCO Station #771
P. O. Box 5811	Address 899 Rincon Avenue
San Mateo. Ca. 94402	Livermore, California
none No. 4 1 5 5 7 1 2 4 3 4	Phone No.
FI Waste Code C A 4 0 5 0 1 1 0	9 2 1 1 6 8 3 Containers Type
Description of Waste	Quantity Units No. Type D - Drum
NON HAZARDOUS SOIL	B-Bag
NON HAZARDOUS SUIL	T - Truck P - Pounds
	Y - Yards
	O - Other
I hereby certify that the above named material does not	contain free liquid as defined by 40 CFR Part 260,10 or any applicable
	FR Part 261 or any applicable state law has been properly described.
C	Paris 2 18 18 18 18 18 28 28 28 28 28 28 28 28 28 28 28 28 28
TOBO RAMSOEN FOR ARCO Signature	Shipment Date
T	RANSPORTER
	510-684-6850 C C C C C C C C C C C C C C C C C C C
uck No	Phone No.
Dillard Trucking, Inc.	Driver Name (Print) DOCLAS JEPAR -
P. O. Box 218	그는 그는 일대는 그 그렇게 이 원인이 생각을 했다는 충격하게 주었다면 살 경험에 되었습니? 무리를 맞았습니다 그는 그 그래?
ldressByron & California 94544	Vehicle License No./State324861j
	Vehicle Certification 500527
hereby certify that the above named material was picked up	p * hereby certify that the above named material was delivered with-
the generator site listed above.	out incident to the destination listed below.
100/2 100h on 10/1/1/1	GILCLO, h. HOMBE 10-16-462
iver Signature Shipment Date	Driver Signature Delivery Date
	DESTINATION
Section 1981 The Sectio	
ite Name B.F.I. Vasco Road Landfill	Phone No. 5 1 0 4 4 7 0 4 9 1
ddress 4001 North Vasco Rd., Livera	ore, Ca. 94550
Muless	
hereby certify that the above named material has been acc	cepted and to the best of my knowledge the foregoing is true and accurate.
	THE COUNTY PL
ame of Authorized Agent Sign	sature Receipt Date
	PASS CODE
: : : : : : : : : : : : : : : : : :	·영화문문 방법이 있는데도 되는 가입 수가 있으면 되지 않는 그 호텔 () 전환 () [[[[[[[[[[[[[[[[[[



	GENERATOR
ARCO Products	ARCO Station #771 Generating Location
P. 0. Box 5811	Address 899 Rincon Avenue
San Mateo. Ca. 94402	Livermore, California
Phone No. 4 1 5 5 7 1 2 4 3 4	Phone No.
BFI Waste Code C A 4 0 5 0 1 1 Description of Waste	0 9 2 1 1 6 8 3 Containers Type Quantity Units No. Type D-Drum
	0 0 0 1 8 Y 0 T C-Carton
NON HAZARDOUS SOIL	B Bag T - Truck
	P - Pounds Y - Yards
	O - Other
	not contain free liquid as defined by 40 CFR Part 260.10 or any applicable 0 CFR Part 261 or any applicable state law, has been properly described, or transportation according to applicable regulations.
TODO PAMSON FOR ARCO JOLL	
Generator Authorized Agent Name	TRANSPORTER
	510-634-6850
Truck No.	Phone No.
ransporter Name	Driver Name (Print) BUAN LUNTOK
Address P. O. Box 218	Vehicle License No./State 3/498428
Byron, California 94544	Vehicle Certification 204601 204800
hereby certify that the above named material was picked the generator site listed above.	d up Thereby certify that the above named material was delivered with-
D-Chap 0114	PRD-Sall DVYPE
iver Signature Shipment I	Date Driver Signature Delivery Date
	DESTINATION
B.F.I. Vasco Road Landfill	Phone No. 5 1 0 4 4 7 0 4 9 1
ddress 4001 North Vasco Rd. Live	
I hereby certify that the above named material has been a	accepted and to the best of internal knowledge the foregoing is true and accurate.
	1924 1949A
Name of Authorized Agent	Receipt Date
	PASS CODE



Waste Systems™ NON-HAZARDOUS SPECIAL WASTE MANIFEST

	GEN	ERATOR	
ARCO Produce	ucts	ARCO Station #771 Generating Location	
P O Box	5811	900 Pinoan Avonus	
Address	. Ca. 94402	AddressLivermore. California	
NON HAZARD I hereby certify that the above state law, is not a hazardous	ption of Waste OUS SOIL I named material does not contain waste as defined by 40 CFR P	Phone No. 2 1 1 6 8 3 Containers Quantity Units No. Type O 0 0 1 8 Y 0 T B - Bac T - Tru P - Poul Y - Yar O - Oth ain free liquid as defined by 40 CFR Part 260.10 or any applicable art 261 or any applicable state law, has been properly described ortation according to applicable regulations.	rton g ck unds rds ner
TOOD PAMSON FOR A	RCO Signature	0 / 2 4 9 Z	
	IRAN	SPORTER 510-634-6850	**
Truck No. Dillard T	rucking, Inc.	Phone No	
Address P. O. Box		_ Vehicle License No./State 3 × 1/065 CA.	
Byron, ca	lifornia 94544	_ Vehicle Certification 2 06022	
the generator site listed above.		I hereby certify that the above named material was delivered vout incident to the destination listed below.	with-
Kin Quarte	011492	1 Km Quarte 01149	12
iver Signature	Shipment Date	Driver Signature Delivery Date	
	DEST	TINATION	
2/16 Manie	sco Road Landfill	Phone No. 5 1 0 4 7 0 4 9	1
4001 Nort	h Vasco Rd., Livermore,	Ca. 94550	• .
I hereby certify that the above na	med material has been accepted	I and to the best of my knowledge the foregoing is true and accur	ate.
		180 DITHA	X
Name of Authorized Agent	Signature	Receipt Date	
		PASS CODE	



	ACMEDITOR
	GENERATOR
* ARCO Products nerator Name	ARCO Station #771 Generating Location
P. O. Box 5811	Address 899 Rincon Avenue
San Mateo. Ca. 94402	Livermore. California
one No. 4 1 5 5 7 1 2 4 3 4	Phone No.
Waste Code C A 4 0 5 0 1 1 0	0 9 2 1 1 6 8 3 Containers Type
Description of Waste	Quantity Units No. Type D-Dru
NON HAZARDOUS SOIL	B ₅ Bag
	T - Truc P - Pou
	Y - Yan O - Oth
I hereby certify that the above named material does n	not contain free liquid as defined by 40 CFR Part 260.10 or any applicable
state law, is not a hazardous waste as defined by 40	O CFR Part 261 or any applicable state law, has been properly described or transportation according to applicable regulations.
-	1. 0 1 D. 1. 1. 4 J. Z.
TODD RAMSNEY FOR ARCO JOHN DIPLOMENTATION OF THE SIGNATURE	Shipment Date I
	TRANSPORTER
	Phone No.
Dillard Trucking, Inc.	
P. O. Box 218	Vehicle License No State C408584
Byron, California 94544	Vehicle Certification 300 837
	d up
the generator site listed above.	out Incident to the destination listed below.
Philo/11/20m 01/14	194 John 01/14/9
ver Signature Shipment D	Date Driver Signature CC
	DESTINATION
ite Name B.F.I. Vasco Road Landfill	Phone No. 5 1 0 4 4 7 0 4 9
4001 North Vasco Rd., Live	
idress	
hereby certify that the above named material has been a	accepted and to the best of my knowledge the foregoing is true and accura
	TOTAL
ame of Authorized Agent	Signature Receipt Date
- 1997年後の日本の日本の大学を選択しています。 - 1997年の日本の日本の大学の大学の大学の大学の大学の大学の大学の大学の大学の大学の大学の大学の大学の	PASS CODE



GEN	VERATOR
ARCO Products	Generating Location ARCO Station #771
Address P. O. Box 5811	Address 899 Rincon Avenue
San Mateo Ca. 94402	Livermore. California
Phone No. 4 1 5 - 5 7 1 2 4 3 4	Phone No.
BFI Waste Code C A 4 0 5 0 1 1 0 9	2 1 1 6 8 3 Containers Type D - Drum
Description of Waste	C - Carton
NON HAZARDOUS SOIL	B. Bag
	P - Pounds Y - Yards
	O - Other
I hereby certify that the above named material does not constate law, is not a hazardous waste as defined by 40 CFR classified and packaged, and is in proper condition for trans	ntain free liquid as defined by 40 CFR Part 260.10 or any applicable Part 261 or any applicable state law, has been properly described, portation according to applicable regulations;
TODD PAMEDED FOR ARCO STALL W. P.	0 13 12 7 9 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Generator Authorized Agent Name Signature	Shipment Date 18 Control of the Cont
ージがなってからいています。	NSPORTER 510-634-6850 Phone No.
Truck No. 1 Dillard Trucking. Inc. 1001/8	83 Driver Name (Print) HAROLD HAMPEN
Address P. O. Box 218	Vehicle License No./State 4E83736
Byron, California 94544	Vehicle Certification 205/25
hereby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Larold Apropor OV 1491	2
Driver Signature	Driver Signature
DES	STINATION
Site Name B.F.I. Vasco Road Landfill	Phone No. 5 1 0 4 4 7 0 4 9 1
Address 4001 North Vasco Rd 2 Livermore	
I hereby certify that the above named material has been accept	ed and to the best of my knowledge the foregoing is true and accurate.
	16ay 7 11/19/2
Name of Authorized Agent Signature	Receipt Daty
	PASS CODE



GEN	NERATOR
ARCO Products enerator Name	ARCO Station #771 Generating Location
P. O. Box 5811	Address899 Rincon Avenue
San Mateo. Ca. 94402	Livermore. California
Phone No. 4 1 5 5 7 1 2 4 3 4	Phone No.
Fi Waste Code C A 4 0 5 0 1 1 0 9	2 1 1 6 8 3 Containers Type
Description of Waste	Quantity Units No. Type D - Drum
	B-Bag
NON HAZARDOUS SOIL	T - Truck
	P - Pounds Y - Yards
	O - Other
state law is not a hazardous waste as defined by 40 CFR	tain free liquid as defined by 40 CFR Part 260.10 or any applicable Part 261 or any applicable state law, has been properly described,
classified and packaged, and is in proper condition for transp	
TOON RAMSOCU FOR ARCO Jold U Par Tenerator Authorized Agent Name Signature	Shipment Date
	NSPORTER
the state of the s	
Truck No.	510-634-6850 — Phone No.
ansporter NameDillard Trucking, Inc. 1001/83	3 Driver Name (Print) DOOG LAS SEPONE~1
P. O. Box 218	Vehicle License No./State 22.426/
Byron, California 94544	
	Vehicle Certification 500521
hereby certify that the above named material was picked up the generator site listed above.	I hereby certify that the above named material was delivered with- out incident to the destination listed below.
10,47 Jahan 011149	2 2 60/h tephen 011/492
ver Signature Shipment Date	Driver Signature Delivery Date
DES	STINATION
D. W. T. Wasse Pond Tonde(1)1	
ate Name B.F.I. Vasco Road Landfill	Phone No. 5 1 0 4 4 7 0 4 9 1
4001 North Vasco Rd., Livermore	. Ca. 94550
hereby certify that the above named material has been accepted	ed and to the best of hy knowledge the foregoing is true and accurate.
	1/1/11/11/11/11
Name of Authorized Agent Signature	Receipt Date
	PASS CODE



GENE	RATOR
enerator NameARCO Products	Generating Location ARCO Station #771
Address P. O. Box 5811	Address 899 Rincon Avenue
San Mateo. Ca. 94402	Livermore. California
Phone No. 4 1 5 - 5 7 1 2 4 3 4	Phone No.
Waste Code C A 4 0 5 0 1 1 0 9 Description of Waste	Containers Type D - Drum Quantity Units No. Type
	0 0 0 1 8 Y 0 / T C-Carton B-Bag
NON HAZARDOUS SOIL	T - Truck P - Pounds
	Y - Yards O - Other
t hereby certify that the above named material does not contain state law is not a hazardous waste as defined by 40 CFR Pa	in free liquid as defined by 40 CFB Part 260.10 or any applicable in 261 or any applicable state law, has been properly described,
classified and packaged, and is in proper condition for transpo	tation according to applicable regulations.
TONN PRAISOCAL FAIR. ARCO SIGNATURE Generator Authorized Agent Name Signature	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
The state of the s	SPORTER
	510-634-6850
ansporter Name Dillard Trucking, Inc. 1001/83	Phone No. State (Print) HAROLD HAMPHON
D 0 0 0 0	随着 4000 x 15 数4000 600 600 600 600 600 600 600 600 600
Address F. U. Box 218 Byron, California 94544	Vehicle License No./State 4 83936 Vehicle Certification 205/25
	hereby certify that the above named material was delivered with-
the génerator site listed above.	out incident to the destination listed below.
ever Signature Shipment Date	Driver Signature Delivery Date
	INATION
P. T. W.	
Ste Name 4001 North Vasco Rd., Livermore,	Phone No. 5 1 0 4 4 7 0 4 9 1 Ca. 94550
The control of the co	and to the best of my knowledge the foregoing is true and accurate.
Name of Authorized Agent Signature	Receipt Date
10/86	PASS CODE



GENERATOR	
ARCO Products Merator Name Generating Location	
P. O. Box 5811 Address 899 Rincon Avenue	
San Mateo. Ca. 94402	
Phone No. 4 1 5 5 7 1 2 4 3 4 Phone No. — — — — — — — — — — — — — — — — — — —	٠
Type Description of Waste Code C A 4 0 5 0 1 1 0 9 2 1 1 6 8 3 Containers Description of Waste Quantity Units No. Type C - Carte B - Bag NON HAZARDOUS SOIL	n on k
P - Pour Y - Yard O - Othe	ls
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.	
Generator Authorized Agent Name Signature	
TRANSPORTER	
Truck No	***
ransporter Name Dillard Trucking, Inc. 1001/83 Driver Name (Print) Charles 10-60000000	
P. O. Box 218	٠,
Byron, California 94544 Vehicle Certification 30387	
hereby certify that the above named material was picked up	ith-
Charles MS - OV 1487 Charles 11 Jun 01 148	<u> </u>
iver Signature Driver Signature Driver Signature	
DESTINATION	
B.P.I. Vasco Road Landfill Phone No. 5 1 0 4, 4 7 0 4 9	1
ddress	.: .
I hereby certify that the above named material has been accepted and to the beat of pay knowledge the foregoing is true and accura-	ie. L
Name of Authorized Agent Signature Receipt Date	<u> </u>
PASS CODE	



Waste Systems™ NON-HAZARDOUS SPECIAL WASTE MANIFEST NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENER	RATOR
ARCO Products	Generating Location ARCO Station #771
P. O. Box 5811	Address 899 Rincon Avenue
San Mateo. Ca. 94402	Livermore. California
Phone No. 4 1 5 5 7 1 2 4 3 4	Phone No.
FI Waste Code C A 4 0 5 0 1 1 0 9 2	1 1 6 8 3 Containers Type D - Drum
NON HAZARDOUS SOIL	Quantity Units No. Type O O O I 8 Y O / T B - Bag T - Truck P - Pounds Y - Yards O - Other
	PORTER
Truck No.	510-634-6850
	Driver Name (Print) KEN DWARTE
	Vehicle License No./State 3×1/065 CA.
Propose California Office	Vehicle Certification 206022
	I hereby certify that the above named material was delivered without incident to the destination listed below.
Ken Duarte 011492	Ken Duarte 011492
tver Signature Shipment Date	Driver Signature Delivery Date
DESTI	NATION
Site Name B.F.I. Vasco Road Landfill	Phone No. 5 1 0 — 4 4 7 0 4 9 1
4001 North Vasco Rd., Livermore,	Ca. 94550
I hereby certify that the above named material has been accepted a	and to the best of my knowledge the foregoing is true and accurate.
	197 11491
Name of Authorized Agent Signature	Receipt Date
	PASS CODE



GENE	RATOR
ARCO Products	Generating Location ARCO Station #771
P. O. Box 5811	Address 899 Rincon Avenue
San Mateo. Ca. 94402	Livermore. California
Bh	
Phone No. Codo C A 4 0 5 0 1 1 0 9 3	Phone No
Description of Waste	Quantity Units No. Type D - Drum
NON HAZARDOUS SOIL	0 0 0 1 8 Y 0 Z T B Bag
	P Pounds Y - Yards
	O - Other
	n free liquid as defined by 40 CFR Part 260.10 or any applicable
classified and packaged, and is in proper condition for transpor	rt 261 or any applicable state law, has been properly described, a tation according to applicable regulations.
TOOS RAMSOEN FOR ARCU TO JOHN WILL	DIVYPE SE
Generator Authorized Agent Name	SPORTIER
CAN SCAR STATE OF THE STATE OF	510-634-6850
Truck No	Phone No.
	Driver Name (Print) DUAN STREET
Address P. O. Box 218 Byron, California 94544	Vehicle License No./State 3498428
	Vehicle Certification 20460 / 204800
the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
S Lut OLAKPE	Dicha Treat
river Signature Shipment Date	Driver Signature Delivery Date
DEST	INATION
Site Name B.F.I. Vasco Road Landfill	Phone No. 5 1 0 - 4 4 7 0 4 9 1
ddress 4001 North Vasco Rd., Livermore	.Ca. 94550
I hereby certify that the above named material has been accepted	and to the best of the knowledge the foregoing is true and accurate.
	1970 1111111
Name of Authorized Agent Signature	Receipt/Defe
	PASS CODE



	GENER	RATOR
_ nerator	Name	Generating Location ARCO Station #771
Address _	P. O. Box 5811	Address 899 Rincon Avenue
	San Mateo. Ca. 94402	Livermore. California
Phone No	5 7 1 2 4 3 4	Phone No.
1 Waste	C A 4 0 5 0 1 1 0 9 2 Description of Waste	1 1 6 8 3 Containers Type D - Drum
	NON HAZARDOUS SOIL	0 0 0 1 8 Y 0 T C- Carton B-Bag
		T - Truck P - Pounds Y - Yards O - Other
state		free liquid as defined by 40 CFR Part 260.10 or any applicable t 261 or any applicable state law, has been properly described, ation according to applicable regulations.
	RAMSNED For ARCO Jode W. Romanuthorized Agent Name Signature	Shipment Date
		PORTER
Truck No.	では、 は、 は、 は、 は、 は、 は、 は、 は、 は、	Phone No.
	Dillard Trucking, Inc. 1001/83	Driver Name (Print) Dox 45 Stephen
Address _	P. O. Box 218	Vehicle License No./State 32 429 / \
	Byron, California 94544	Vehicle Certification 300 82
the ger	certify that the above named material was picked up nerator site listed above.	I hereby certify that the above named material was delivered without locident to the destination listed below.
16	2/2/18/20 01/14/9R	1 Joshastehan 01/14/12
ver Signa		Driver Signature Delivery Date
	Same and the second of the sec	NATION
ente Nam	e B.F.I. Vasco Road Landfill 4001 North Vasco Rd., Livermore.	Phone No. 5 1 0 4 7 0 4 9 1 Ca. 94550
idress_	,这是一个1000年的表现,是1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年	
I hereby	certify that the above named material has been accepted a	and to the best of my knowledge the foregoing is true and accurate.
		199 VVA
Name of Aut	thorized Agent Signeture	Receipt/Dafe
10000		PASS CODE BEI260-720



GEN	NERATOR
ARCO Products	Generating Location ARCO Station #771
P. O. Box 5811	Address 899 Rincon Avenue
San Mateo. Ca. 94402	Livermore, California
Phone No. 4 1 5 5 7 1 2 4 3 4	Phone No.
FI Waste Code C A 4 0 5 0 1 1 0 9	2 1 1 6 8 3 Containers Type
Description of Waste	Quantity Units No. Type D-Drum C-Carton
	O O O I B Y O T B-Bag
NON HAZARDOUS SOIL	T - Truck
	P - Pounds Y - Yards
	O - Other
= 1 hereby certify that the above named material does not zon	ntain free liquid as defined by 40 CFR Part 260.10 or any applicable
state flaw, is not a hazardous waste as defined by 40 CFR.	Part 261 or any applicable state law, has been properly described.
B Commercial Commerc	A CANALA III
TODO PANSOEN FOR ARCO JOSE U A Generator Authorized Agent Name	Shipment Date
TRAI	NSPORTER
Truck No.	510-534-6850 Phone No.
ansporter Name Dillard Trucking. Inc. 100//82	3 Driver Name (Print) HAROLO HAMPEN
P. O. Box 218	Vehicle License No./State 4E83936
Byron, California 94544	Vehicle Certification 205/25
thereby certify that the above named material was picked up the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Hapold Himitlan DUVUPE	7.1
ver Signature Shipment Date	Driver Signature Delivery Date
	STINATION
To a reason to the first of the second are second to the second to	STINATION
B.F.I. Vasco Road Landfill	Phone No. 5 1 0 4 4 7 0 4 9 1
4001 North Vasco Rd. Livermore	, Ca. 94550
diress	
I hereby certify that the above named material has been accepte	ed and to the best or my knowledge the foregoing is true and accurate.
	11110
Name of Authorized Agent Signature	Receipt Date
	PASS CODE
1008	Company of the Section of the Sectio



	GENE	RATOR
enerator Name	ARCO Products	Generating Location ARCO Station #771
Address	P. O. Box 5811	Address 899 Rincon Avenue
	San Mateo. Ca. 94402	Livermore, California
Phone No. 4	1 5 - 5 7 1 2 4 3 4	Phone No.
FI Waste Code	C A 4 0 5 0 1 1 0 9 Description of Waste	2 1 1 6 8 3 Containers Type Quantity Units No. Type 0 - Drum C - Carton B - Bag
	NON HAZARDOUS SOID	T - Truck P - Pounds Y - Yards
		O - Other
state law, is	not a hazardous waste as defined by 40 CFR Pa	in free liquid as defined by 40 CFR Part 260,10 or any applicable art 261 or any applicable state law, has been properly described, regulations.
TOWN RAMKING A Generator Authorized A	W For ARCO Jodi U: Roy	6 / 7 4 7 2 Shipment Date 36 3 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
	The second of the second secon	SPORTER
Truck No.	79	510-634-68507
ransporter Name	Dillard Trucking, Inc. 1001/83	Driver Name (Print) Charles MEGaver
≜ ddress	P. O. Box 218	_ Vehicle License No./State <u>C408584</u>
	Byron, California 94544	Vehicle Certification 300 387
	nat the above named material was picked up	I hereby certify that the above named material was delivered without incident to the destination listed below.
0//	M.S. 64 145b	1/1/119 611/1195
river Signature	Shipment Date	Driver Signature Delivery Date
	DEST	INATION
site Name	B.F.I. Vasco Road Landfill	Phone No. 5 1 0 — 4 4 7 0 4 9 1
ddress	4001 North Vasco Rd., Livermore,	
	nat the above named material has been accepted	and to the best of my knowledge the foregoing is true and accurate.
		AND PROPERTY.
Name of Authorized A	gent Signature	Receipt Date
		PASS CODE



		GENER/	ATOR	
enerator Name	ARCO Products		Generating Location ARCO St	ation #771
Address	P. O. Box 5811		Address 899 Rincon Av	enue .
	San Mateo. Ca. 944	102	Livermore, Ca	lifornia
Phone No. 4	1 5 5 7 1 2	4 3 4	Phone No.	
I Waste Code	التلتا لتلت	1 1 0 9 2	1 1 6 8 3	Containers Type D - Drum
	Description of Was	ite	Quantity 0 0 1 8	Units No. Type C - Carton Y 0 / T B - Bag
	* NON HAZARDOUS SOIL			T - Truck P - Pounds Y - Yards O - Other
state law is	not a hazardous waste as de	efined by 40 CFR Part		R Part 260.10 or any applicable , has been properly described, lations,
Tob b RAMSO	EJ FOR ARCO	Jew Wife	2	1 4 9 2 pipment Date
		TRANSP		
Truck No. P1			*510-B34-6	3850
ransporter Name	Dillard Trucking.	Inc. 1001/83	Driver Name (Print) KEN	DWARTE
Address	P. O. Box 218		Vehicle License No /State $\frac{3 \times 1}{2}$	
	Byron, California	CAPAS CONTRACTOR	Vehicle Certification 2^{2060}	
	nat the above named material site listed above.		hereby certify that the above nout incident to the destination li	amed material was delivered with- sted below.
LM Duo	nte 0	1 1 4 9 2 Shipment Date	Kin Dunte Driver Signature	0 / 1 / 4 9 D
		DESTIN	ATION	
Cite Name	B.F.I. Vasco Road 4001 North Vasco		Phone No. [10] 1]	U— 4 4 7 0 4 9 1
ddress	TOOL HOLD TUBE			
I hereby certify the	nat the above named materia	I has been accepted an	d to the best of my ky wledge t	he foregoing is true and accurate.
Name of Authorized A	gent	Signature	4000	Receipt/Date
			PASS CODE	
10/86			10	BFI260-72



GENERATOR	
Generating Location ARCO Station #771	
Address P. O. Box 5811 Address 899 Rincon Avenue	
San Mateo: Ca. 94402 Livermore, Callfornia	
Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No	
Waste Code C A 4 0 5 0 1 1 0 9 2 1 1 6 8 3 Container Description of Waste Quantity Units No. Ty	noe D - Drum
NON HAZARDOUS SOIL	C - Carton B - Bag
	P - Pounds Y - Yards
	O - Other
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or a state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been proper classified and packaged, and is in proper condition for transportation according to applicable regulations.	
TOWN RAMSON FOR ARCO SEE SOUN WRONGE TO REAL TO 1 1 4 8 2	
Senerator Authorized Agent Name Signature TRANSPORTER	
Truck No. = -0/2 + 87/4 Phone No.	
Pansporter Name Dillard Trucking, Inc., 1001/13 Driver Name (Print)	
Address P. O. Box 218 Vehicle License No./State 3498428	
Address P. 0. Box 218 Vehicle License No./State 3/98428 Byron, California 94544 Vehicle Certification 20460/ 2048	00)
the generator site listed above named material was picked up the generator site listed above named material was picked up the generator site listed above.	·
A that OVERED Shot OV	1463
iver Signature Driver Signature	Delivery Date
DESTINATION	
Otte Name B.F.I. Vasco Road Landfill Phone No. 5 1 0 4 4 7 4001 North Vasco Rd., Livermore, Ca. 94550	- 0 4 9 1
ddress	
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is tr	ue and accurate.
Name of Authorized Agent Signature	Receipt Daile
9.418	0
PASS CODE	A) = BF1260-7;



GENE	RATOR
enerator Name ARCO Products	Generating Location ARCO Station #771
Address P. 0. Box 5811	Address 899 Rincon Avenue
San Mateo, Ca. 94402	Livermore. California
Phone No. 4 1 5 - 5 7 1 2 4 3 4	Phone No.
Fl Waste Code C A 4 0 5 0 1 1 0 9 2	
Description of Waste	C-Carton
NON HAZARDOUS SOIL	B-Bag
	P - Pounds Y - Yards
	O - Other
	n free liquid as defined by 40 CFR Part 260.10 or any applicable
state law, is not a nazardous waste as defined by 40 CFR Pa classified and packaged, and is in proper condition for transpor	rt 261 or any applicable state law, has been properly described, tation according to applicable regulations.
TOAD RAMSHED FOR PRICO JUNEO W RO	
Generator Authorized Agent Name	Shipment Date 198
THANS	PORTER
Truck No. 10/8	- Phone No
ransporter Name Dillard Trucking, Inc. 1001/83	Driver Name (Print) Dox Dox Ste She
Address P. O. Box 218	Vehicle License No./State 24241
Byron, California 94544	Vehicle Certification 200821
hereby certify that the above named material was picked up	I hereby certify that the above named material was delivered with-
the generator site listed above.	out incident to the destination listed below.
1/01/20 /20/her 01-1492	Noshitephen 0/1492
iver Signature Shipment Date	Driver Signature Delivery Date
DEST	NATION
Site Name B.F.I. Vasco Road Landfill	
ddressdoon North Vasco Rd., Livermore.	Car. 94550
I hereby certify that the above named material has been accepted	and to the best of my knowledge the foregoing is true and accurate.
	W 200 101/12471915
Name of Authorized Agent Signature Signature	Receipt Date
	PA CO CODE
	PASS CODE



GENI	ERATOR
ARCO Products ARCO Products	Generating Location ARCO Station #771
Address P. O. Box 5811	_ Address899 Rincon Avenue
San Mateo. Ca. 94402	Livermore. California
Phone No. 4 1 5 — 5 7 1 2 4 3 4	Phone No.
Bril Waste Code C A 4 0 5 0 1 1 0 9 Description of Waste	2 1 1 6 8 3 Containers Type Quantity Units No. Type C - Carton
NON HAZARDOUS SOIL	0 0 0 1 8 Y 0 T B-Bag
	P - Pounds Y - Yards
	O - Other
	ain free liquid as defined by 40 CFR Part 260.10 or any applicable art 261 or any applicable state law has been properly described, ortation according to applicable regulations.
TODD RAMSDEN FOR ARCU SIGNATURE Generator Authorized Agent Name Signature	DV. WARREY.
	SPORTER
**************************************	510-634-6850 259-251 251 251 251 251 251 251 251 251 251
Truck No. / Dillard Trucking, Inc. 1001/83	Phone No: Driver Name (Print) HAROLD HAMPTON
Address P. O. Box 218	Vehicle License No./State 41=83936
Byron, California 94544	
ereby certify that the above named material was picked up the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Larold ampton DV 1492	1
Per Signature Shipment Date	Driver Signature Delivery Date
DEST	INATION
Site Name B.F.I. Vasco Road Landfill	Phone No. 5 1 0 4 4 7 0 4 9 1
4001 North Vasco Rd., Livermore,	Ca.: 94550
I hereby certify that the above named material has been accepted	and to the best of my knowledge the foregoing is true and accurate.
	TAHIND COLUMBE
Name of Authorized Agent Signature	Receigh Dath/
	PASS CODE
10/86	BF260-72



GENE	RATOR
ARCO Products	Generating Location ARCO Station #771
D 0 Dow 5911	Address 899 Rincon Avenue
Address San Mateo. Ca. 94402	Livermore. California
Phone No. 4 1 5 - 5 7 1 2 4 3 4	Phone No.
H Waste Code C A 4 0 5 0 1 1 0 9 2	1 1 6 8 3 Containers Type D. Drum
Description of Waste	Quantity Units No. Type C - Carton
NON HAZARDOUS SOIL	B Bag
	P. Pounds Y. Yards
	O - Other
I hereby certify that the above named material does not contain	n free liquid as defined by 40 CFR Part 260.10 or any applicable
state law, is not a hazardous waste as defined by 40 CFR Pa classified and packaged, and is in proper condition for transpor	rt 261 or any applicable state law, has been properly described,
TON PAMINED FOR ALCO Signature Signature	Shipment Date dis
	PORTER
	510-634-6850
Truck No. Dillard Trucking, Inc., 1001/83	Phone No
ransporter Name	
Address P. O. Box 218	Vehicle License No./State 4E83936
Byron, California 94544	Vehicle Certification 205/25
hereby certify that the above named material was picked up	I hereby certify that the above named material was delivered without incident to the destination listed below.
t the generator site listed above.	Out includit to the destination isses seems
The Signature Shipment Date	Driver Signature Delivery Date
	INATION
Site Name B.F.I. Vasco Road Landfill	Phone No. 5 1 0 4 4 7 0 4 9 1
4001 North Vasco Rd., Livermore,	Ca. 94550
	and to the best of my knowledge the foregoing is true and accurate.
I rieleny certify triat the above righted fraterial has been accepted	
Name of Authorized Agent Signature	Receipt/Daffs
	RASS CODE
	BF1280-7



№.715725 NON-HAZARDOUS SPECIAL WASTE MANIFEST

		GENERATOR
enerator Name	ARCO Products	ARCO Station #771 Generating Location
ddress	P. O. Box 5811	Address 899 Rincon Avenue
	San Mateo. Ca. 94402	Livermore, California
Phone No. 4	1 5 _ 5 7 1 2 4 3 4	Phone No.
FI Waste Code	C A 4 0 5 0 1 1 Description of Waste	0 9 2 1 1 6 8 3 Containers Type Quantity Units No. Type D - Drum
		0 0 0 1 8 Y 0 / T C - Carton B - Bag
	NON HAZARDOUS SOIL	T - Truck P - Pounds
		Y - Yards O - Other
		not contain free liquid as defined by 40 CFR Part 260.10 or any applicable
		O CFR Part 261 or any applicable state law, has been properly described, or transportation according to applicable regulations.
		DRAWE - TENEDONE
Senerator Authorized /	gent Name	Shipment Date The Table To The Table To The Table To The Table Tab
		TRANSPORTER
Truck No	/3	### ### ### ##########################
ransporter Nam	Dillard Trucking Inc. 16/	Driver Name (Print)
Address	P. O. Box 218	Vehicle License No./State 13P18666 Co.
	Byron, California 94544	Vehicle Certification <u>300860</u>
	nat the above named material was picke site listed above.	d up I hereby certify that the above named material was delivered with out incident to the destination listed below:
Feen Ro	-12 01/s	-92 fun Rom 011592
river Signature	Shipment	
		DESTINATION
Site Name	B.F.I. Vasco Road Landfil	Priorie No.
ddress	4001 North Vasco Rd., Live	ermore. Ca. 94550
I hereby certify the	nat the above named material has been	accepted and to the best of my knowledge the foregoing is true and accurate.
		Signature Receipt Date
Name of Authorized A	gent	Signature Receipt Date
		PASS CODE



Vaste	№. 715726
Systems NON-HAZARD	OUS SPECIAL WASTE MANIFEST
Million Entro	RATOR
ARCO Products	Generating Location ARCO Station #771
herator NameP. 0. Box 5811	Address 899 Rincon Avenue
San Mateo, Ca. 94402	Livermore. California
4 1 5 5 7 1 2 4 3 4	Phone No.
Phone No. C A 4 0 5 0 1 1 0 9	2 1 1 6 8 3 Containers Type
Waste Code Description of Waste	Quantity Units No. Type D - Drum 0 0 0 1 8 Y 0 T C - Carton
NON HAZARDOUS SOIL	T - Truck
	P - Pounds Y - Yards
	O - Other
t hereby certify that the above named material does not contained by 40 CFR P	ain free liquid as defined by 40 CFR Part 260.10 or any applicable art 261 or any applicable state law, has been properly described,
classified and packaged, and is in proper condition for transpo	ortation according to applicable regulations.
TODD BANSDEN FOR ARCO JOHN LO	9/15-92
Senerator Authorized Agent Name TRAN	SPORTER

Truck No. 2/ Dillard Trucking, Inc. 1001/83	_ Phone No Driver Name (Print) Challes M. Cower
P. O. Box 218	
AddressByron, California 94544	
Thereby certify that the above named material was picked up	Vehicle Certification
the generator site listed above.	out incident to the destination listed below.
Chelo 11/592	Driver Signature Delivery Date
river Signature Shipment Date	TINATION
The second of th	
Site Name B.F.I. Vasco Road Landfill 4001 North Vasco Rd., Livermore	Phone No. 3 1 3 4 1 1 1 1 1 1 1 1 1
\ddress	
I hereby certify that the above named material has been accepte	d and to the best of my knowledge the foregoing is true and accurate
Name of Authorized Aparts Signature	Receipt Date
Name of Authorized Agent	
	PASS CODE BF1260



GENER	RATOR
ARCO Products merator Name	ARCO Station #771 Generating Location
P. O. Box 5811	Address 899 Rincon Avenue
San Mateo. Ca. 94402	Livermore, California
Phone No. 4 1 5 5 7 1 2 4 3 4	Phoné No.
Waste Code C A 4 0 5 0 1 1 0 9 2 Description of Waste	1 1 6 8 3 Containers Type D - Drum
The state of the s	0 0 0 1 8 Y 0 T C-Carton B-Bag
NON HAZARDOUS SOIL	T - Truck P - Pounds
	Y - Yards O - Other
I hereby certify that the above named material does not contain state law, is not a hazardous waste as defined by 40 CFR Packaged, and is in proper condition for transport	n free liquid as defined by 40 CFR Part 260.10 or any applicable to 261 or any applicable state law, has been properly described, tation according to applicable regulations.
	Spinner Date 3855
Generator Authorized Agent Name	PORTER
	510-634-6850 - The same of the
Truck No.	Phone No.
ansporter Name Dillard Trucking. Inc. 1001/83	Driver Name (Print) HAROLD HAMPHON
P. O. Box 218	Vehicle License No./State 4E83936
Byron, California 94544	Vehicle Certification 205/25
hereby certify that the above named material was picked up the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Holo Collampton 011592 Shipment Date:	Driver Signature Delivery Date
DEST	NATION
eite NameB.F.I. Vasco Road Landfill	Phone No. 5 1 0 4 4 7 0 4 9 1
4001 North Vasco Rd., Livermore,	
	and to the best of my knowledge the foregoing is true and accurate.
	MAS DVY 592
Name of Authorized Agent Signature	Receipt Date
	PASS CODE



GENE	RATOR		
ARCO Products enerator Name	ARCO Station #771 Generating Location		
P. O. Box 5811	Address 899 Rincon Avenue		
San Mateo. Ca. 94402	Livermore. California		
Phone No. 4 1 5 5 7 1 2 4 3 4	Phone No.		
FI Waste Code C A 4 0 5 0 1 1 0 9 2 Description of Waste	1 1 6 8 3 Containers Type D - Drum C - Carton	NON HAZARDOUS SOIL	0 0 0 1 8 Y 0 / T B Bag T - Truck P - Pounds Y - Yards
	O - Other		
	n free liquid as defined by 40 CFR Part 260.10 or any applicable it 261 or any applicable state law, has been properly described, tation according to applicable regulations.		
ON RAMINEN FOR ARCO SIGNATURE Signature	Shipment Date		
	PORTER		
Truck No	Phone No.		
ransporter NameDillard_Trucking; Inc. */00//83	Driver Name (Print) Percy Royces		
Address P. O. Box 218	Vehicle License No./State BP486Cde Ca.		
Byron, California 94544	Vehicle Certification 300 860		
hereby certify that the above named material was picked up the generator site listed above.	I hereby certify that the above named material was delivered with- out incident to the destination listed below.		
Luca Roma	feren 1/0900 D1/5/92		
iver Signature Shipment Date	Driver Signature Delivery Date		
DESTI	NATION		
ite Name B.F.I. Vasco Road Landfill	Phone No. 5 1 0 4 4 7 0 4 9 1		
ddress 4001 North Vasco Rd., Livermore,	Ca. 94550		
I hereby certify that the above named material has been accepted a	and to the best of my knowledge the foregoing is true and accurate.		
	WYP DIVER		
Name of Authorized Agent Signature	Receipt Date		
	PASS CODE		



GENE	RATOR
nerator NameARCO Products	Generating Location ARCO Station #771
P. O. Box 5811	Address 899 Rincon Avenue
San Mateo. Ca. 94402	Livermore, California
none No. 4 1 5 5 7 1 2 4 3 4	Phone No.
Waste Code 0 A 4 0 5 0 1 1 0 9 2	
NON HAZARDOUS SOIL	Quantity Units No. Type C - Carton B - Bag T - Truck
	P - Pounds Y - Yards O - Other
	n free liquid as defined by 40 CFR Part 260.10 or any applicable it 261 or any applicable state law, has been properly described, tation according to applicable regulations.
TOND PAMSORY FOR ARCO Sound W Rannerator Authorized Agent Name Signature	Shipment Date
	PORTER
uck No.	510-634-6850 Phone No
Dillard Trucking, Inc. 1001/83	Driver Name (Print) Percy Rogers
dress P. O. Box 218	Vehicle License No./State BP48666 Co.,
Byron, California 94544	Vehicle Certification 300 860
preby certify that the above named material was picked up the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Poml - 1 10 10 5	
er Signature Shipment Date	Driver Signature Delivery Date
DESTI	NATION
e Name B.F.I. Vasco Road Landfill	Phone No. 5 1 0 4 4 7 0 4 9 1
4001 North Vasco Rd., Livermore	
dress	
ereby certify that the above named material has been accepted a	and to the best of my knowledge the foregoing is true and accurate.
	MAP EVYSTE
me of Authorized Agent Signature	Receipt Date
	PASS CODE
	PASS CODE_

TRANSPORTER RETAIN



	GENE	RATOR	
nerator Name	ARCO Products	Generating LocationARCO	Station #771
Address	P. O. Box 5811	Address 899 Rincon	Avenue
	San Mateo. Ca. 94402	Livermore.	California
Phone No. 4	1 5 5 7 1 2 4 3 4	Phone No.	
5 Waste Code	C A 4 0 5 0 1 1 0 9 2		Containers Type
	NON HAZARDOUS SOIL	Quantity 0 0 0 1 8	Units No. Type C - Carton B - Bag T - Truck P - Pounds Y - Yards O - Other
state law, is	ify that the above named material does not contain not a hazardous waste as defined by 40 CFR Pa d packaged, and is in proper condition for transpor	t 261 or any applicable state l	aw, has been properly described,
John Generator Authorized	Scheffel Signature	:- SLYK 01	VB92
Constitut Automizaci	The second secon	PORTER	Authorit name and a second and a second and a second and a second and a second and a second and a second and a
Truck No. 3		510-634	-8850 ·
ransporter Nam	Dillard Trucking. Inc. 1001/83	Driver Name (Print)	10 HAMPton
ddress	P. 0. Box 218	Vehicle License No./State	LE839'36
	Byron, California 94544	Vehicle Certification24)5/25
	nat the above named material was picked up	I hereby certify that the above out incident to the destination	named material was delivered with- listed below.
tiver Signature	Hampton 01/592 Shipment Date	Harold Ram Driver Signature	Atox DIVS92 Delivery Date
	DEST	NATION	
Site Name	B.F.I. Vasco Road Landfill	Phone No. 5	1 0 - 4 4 7 0 4 9 1
ddress	4001 North Vasco Rd., Livermore,		
	hat the above named material has been accepted.	and to the best of my knowledg	e the foregoing is true and accurate.
		nu	W DIVERP
Name of Authorized A	vent Signature		Receipt Date
m		PASS CODI	<u> </u>



Waste Systems™ NON-HAZARDOUS SPECIAL WASTE MANIFEST

	IMPOSITIES	GENE	RATOR
enerator Name	ARCO Products		Generating Location ARCO Station #771
Address	P. O. Box 5811		Address 899 Rincon Avenue
	San Mateo. Ca.	94402	Livermore. California
Phone No. 4	1 5 - 5 7 1	2 4 3 4	Phone No.
BFI Waste Code	C A 4 0 5 Description of	0 1 1 0 9 2 Waste	1 1 6 8 3 Containers Type D - Drum
	A STATE OF THE STATE OF THE STATE OF		0 0 0 1 8 Y. 0 / T C - Carton B - Bag
	NON HAZARDOUS SO		P - Pounds Y - Yards O - Other
state law. is	not a hazardous waste	as defined by 40 CFR Pa	n free liquid as defined by 40 CFR Part 260.10 or any applicable at 261 or any applicable state law, has been properly described, tation according to applicable regulations.
Jahn Generator Authorized	Scholler	Signature	Supposed Date & Control of the Contr
Generalor Admiorizaci	ufferit stemb		SPORTER
	34	New York (New York)	510-634-6850
Truck No.	Dillard Trucki	ng, Inc. 1001/83	Driver Name (Print) Chekes M. 604en
	P. O. Box 218		_ Vehicle License No JState 408584
ddress	Byron, Califor	nia 94544	_ Vehicle Certification
hereby certify t	that the above named ma	terial was picked up	I hereby certify that the above named material was delivered without incident to the destination listed below.
■ Phan	1115	01159	Thanks 11 m 01/15/52
river Signature		Shipment Date	Driver Signature Delivery Date
		DEST	INATION
Site Name	B.F.I. Vasco I	2 2 2	Phone No. 5 1 0 4 4 7 0 4 9
Address	4001 North Vas	co Rd. Livermore,	Ca. 94550
	that the shove named m	iterial has been accented	and to the best of my knowledge the foregoing is true and accurate
nereby certary			Receipt Date
Name of Authorized	Agent	Signature	30200
10/86		, garaga (basa) ka masa ka sa	PASS CODE BFI260



	GENE	RATOR
Generator Name _	ARCO Products	Generating Location ARCO Station #771
Address	P. O. Box 5811	Address 899 Rincon Avenue
	San Mateo. Ca. 94402	Livermore, California
Phone No. 4 1	5 - 5 7 1 2 4 3 4	Phone No.
Bri Waste Code	C A 4 0 5 0 1 1 0 9 2 Description of Waste	Quantity Units No. Type D-Drum
	NON HAZARDOUS SOIL	0 0 0 1 8 Y 0 T. G- Carton B - Bag T - Truck P - Pounds
		Y + Yards O - Other
state law, is n	y that the above named material does not contain of a hazardous waste as defined by 40 CFR Pa packaged, and is in proper condition for transpor	n free liquid as defined by 40 CFR Part 260.10 or any applicable of 261 or any applicable state law, has been properly described, tation according to applicable regulations.
John Generator Authorized Ac	Scheffel Solo)	Shipment Date 1
	TRANS	PORTER
Truck No. 5	/*************************************	510-634-6850 Phone No.
ansporter Name	Dillard Trucking. Inc. 1001/83	Driver Name (Print) HAROLD HAMPTON
del dress	P. O. Box 218	Vehicle License No./State 4E83936
	Byron, California 94544	Vehicle Certification 205125
nereby certify the		I hereby certify that the above named material was delivered without incident to the destination listed below.
laco la liver Signature	Hampton DV 1592 Shipment Date	Driver Signature Delivery Date
	DEST	NATION
Site Name	B.F.I. Vasco Road Landfill	Phone No. 5 1 0 4 4 7 0 4 9 1
ddress	4001 North Vasco Rd., Livermore,	Ca 94500
I hereby certify th	at the above named material has been accepted	and to the best of my knowledge the foregoing is true and accurate.
		MAS DISSE Receipt Date
Name of Authorized Ag	pent Signature	THEORIE DATE
		PASS CODE



GENE	RATOR
nerator NameARCO Products	Generating Location ARCO Station #771
ddress P. O. Box 5811	Address 899 Rincon Avenue
San Mateo. Ca. 94402	Livermore, California
bone No. 4 1 5 — 5 7 1 2 4 3 4	Phone No.
Waste Code C A 4 0 5 0 1 1 0 9 Description of Waste	2 1 1 6 8 3 Containers Type D - Drum Quantity Units No. Type
	0 0 0 1 8 Y 0 / T C - Carton B - Bag
NON HAZARDOUS SOIL	P - Pounds Y - Yards
	O - Other
I hereby certify that the above named material does not conta state law, is not a hazardous waste as defined by 40 CFR Po classified and packaged, and is in proper condition for transpo	in free liquid as defined by 40 CFR Part 260:10 or any applicable art 261 or any applicable state law, has been properly described, attation according to applicable regulations.
John Shettel Offer	54/11 0 / 15 7 PZ
enerator Authorized Agent Name Signature Signature TRANS	SPORTER
32	510-634-6850 *******
Dillard Trucking, Inc. 1001/83	_ Phone No
dress P. O. Box 218	_ Vehicle License No./State 4C08284
Byron; California 94544	Vehicle Certification 380 387
ereby certify that the above named material was picked up the generator site listed above.	I hereby certify that the above named material was delivered with out incident to the destination listed below.
Muls Mgm 011592	- Chal Mym 0/1552
ver Signature Shipment Date	Driver Signature Delivery Date
DESI	INATION
Site Name B.F.I. Vasco Road Landfill	Phone No. 5 1 0 -4 4 7 0 4 9 1
idress	Ca. 94550
hereby certify that the above named material has been accepted	and to the best of my knowledge the foregoing is true and accurate
lame of Authorized Agent Signature	MAP UV 5 9
Name of Authorized Agent Signature	<i>7</i> 93,
10/86	PASS CODE BFI260



GENE	RATOR
G erator Name	Generating Location
Address P. O. Rox 5811	Address 899 Rincon Avenue
San Mateo, Ca. 94402	Sivermore, California
Pi ne No. 4 1 5 — 5 7 1 2 4 3 4 BFI Waste Code C A 4 0 5 0 1 1 0 9 2 Description of Waste	Quantity Units No. Type D - Drum
NON HAZARDOUS SOIL	0 0 0 1 8 Y
	PORTER
T ck No	510-634-6859 Phone No
A dress P0. Box 218	. Vehicle License No./State
I be reby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature Shipment Date	Driver Signature Delivery Date
DESTI	NATION
Sie Name B.F.I. Vasco Road Landfill 4001 North Vasco Rd Livermore. Address	Phone No. 5 1 9 1 1 7 0 1 9 1 Ca. 94550
-	and to the best of my knowledge the foregoing is true and accurate.
N ne of Authorized Agent Signature	Receipt Date



PASS CODE _

BFI260-720

GENE	RATOR
3 erator NameARCO Products	Generating Location ARCO SERVICES 271
Address P. O. Dox 5811	Address 899 Bittem Avenu
Sau Mateo. Ca. 94402	Livergore, California
Pine No. 4 1 5 - 5 7 1 2 4 3 4 3FI Waste Code C A 4 0 5 0 1 1 0 9 2 Description of Waste	D-Drum
NON HAZARDOUS SOIL	Quantity , Units No. Type C - Carton B - Bag T - Truck P - Pounds Y - Yards
	O - Other
I hereby certify that the above named material does not contain state law, is not a hazardous waste as defined by 40 CFR Par classified and packaged, and is in proper condition for transport and the state of the s	
	PORTER
Tansporter Name Dillard Trucking, Inc. 1001/83	Phone No
A lress P. O. Box 218	Vehicle License No./State
Byron, California 94544	Vehicle Certification
reby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature Shipment Date	Driver Signature Delivery Date
DESTI	NATION TO A STATE OF THE STATE
DESTI Site Name B.F.I. Vasco Road Landfill	NATION Phone No. 5 1 0 - ! 1 7 0 1 9 1
Site Name B.F.I. Vasco Road Landfill 4001 North Vasco Rd Livermore.	Phone No. 5 1 0!
Site NameB.F.I. Vasco Road Landfill 4001 North Vasco Rd Livermore. Address	Phone No. 5 1 0! t 7 0 1 9 1
Site NameB.F.I. Vasco Road Landfill 4001 North Vasco Rd Livermore. Address	Phone No. 5 1 0 1 7 0 1 9 1 Ca. 94550
Sie NameB.F.I. Vasco Road Landfill 4001 North Vasco Rd Livermore. Address	Phone No. 5 1 0! t 7 0 t 9 1 Ca. 94550



The second of th	RATOR
ARCO Products Gerator Name	Generating Location ARCO Station 177
P. O. Box 5811	Address 899 Etheon Verme
San Mateo. Ca. 94102	Livermore, Califf
Pene No. 4 1 5 - 5 7 1 2 4 3 1 BFI Waste Code C A 1 0 5 0 1 2 7 9 2 Description of Waste	Quantity Units No. Type D-Drum
NON HAZARDOUS SOIL	0 0 0 1 8 Y 0 T C - Carton B - Bag T - Truck P - Pounds Y - Yards O - Other
state law, is not a hazardous waste as defined by 40 CFR Pa classified and packaged, and is in proper condition for transpor	
Semerator Authorized Agent Name Signature	Shipment Date
TRANS	PORTER
•	510-634-6850 . Phone No.
Dillard Trucking, Inc. 1001/83 Transporter Name	Driver Name (Print)
	Vehicle License No./State
	Vehicle Certification 206025
Hereby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature ON Doctor Shipment Date	Driver Signature Delivery Date
DEST	NATION
B.F.I. Vasco Road Landfill	5 1 0 1 1 1
4001 North Vasco Rd., Livermore, Address	Phone No. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Bereby certify that the above named material has been accepted	and to the best of my knowledge the foregoing is true and accurate.
ne of Authorized Agent Signature	Receipt Date
- -	PASS CODE



GEN	ERATOR
arator NameAECO Frontierts	Generating Location
4 G Sec 5211	Address0000 Tible equilibrium
Sau Mateu. Ca. 04402	Livetaure, galifers.
Pi Waste Code C A 4 0 5 0 1 2 7 9 Description of Waste	Phone No. Containers Type Quantity Units No. Type D-Drum
NON HAZARDOUS SOIL	6 0 0 1 8 Y 6 T C - Carton B - Bag T - Truck P - Pounds Y - Yards O - Other
hereby certify that the above named material does not contastate law, is not a hazardous waste as defined by 40 CFR P classified and packaged, and is in proper condition for transport	
neerator Authorized Agent Name Signature	Shipment Date
TRAN	
k No. Dillard Trucking, Inc. 1001-53	Phone No
ress P. O. Box 218	Vehicle License No./State
Byroa. California 94544	Vehicle Certification
reby certify that the above named material was picked up the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
iver Signature OV 2892 Shipment Date	Driver Signature Delivery Date
DEST	INATION
Name B.F.I. Vasco Road Landfill	Phone No. 5 1 0 — 1 1 6 0 1 0 1
4001 North Vasco Rd., Livermore,	Ca. 94550
eby certify that the above named material has been accepted	and to the best of my knowledge the foregoing is true and accurate.
of Authorized Agent Signature	Receipt Date
	PASS CODE

BF1260-720



Waste Waste	No. 714977
Systems MON-HAZARD	OUS SPECIAL WASTE MANIFEST
GENE	RATOR
ARCO Products Ginerator Name	Generating Location
AddressP. 0. Bex 5811	Address 899 Rim on Average
San Mateo. Ca. 94402	Livermore, Callifor on
Pene No. 4 1 5 5 7 1 2 4 3 1	Phone No.
BFI Waste Code C A 4 0 5 0 2 0 3 9 3 Description of Waste	2 1 1 6 8 3 Containers Type D - Drum D - Drum
NON HAZARDOUS SOIL	0 0 0 1 8 V / T C - Carton B - Bag T - Truck
	P - Pounds Y - Yards O - Other
I hereby certify that the above named material does not contain state law, is not a hazardous waste as defined by 40 CFR Pathological classified and packaged, and is in proper condition for transport conditions for transport states and packaged and packaged. Constitution Contain ·	
TRANS	PORTER
T ck No	510-634-6850 Phone No
Dillard Trucking, Inc. 1001/83 Transporter Name	Driver Name (Print) Perco oce-s
	Vehicle License No./State 13 17 14 14 14 14 14
Byron, California 94544	Vehicle Certification 300 860
I bereby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Faller Regier 0 2 0 5 9 2 Driver Signature Shipment Date	Driver Signature Delivery Date
	NATION
Sie Name B.F.I. Vasco Road Landfill 4001 North Vasco Rd. Livermore. Address	Ca. 94550
	and to the best of my knowledge the foregoing is true and accurate.
Note of Authorized Agent Signature	Receipt Date
	PASS CODE



PASS CODE

	GENE	RATOR
ica erator Name	ARCO Products	Generating Location ARCO Station
deress	P. O. Box 5811	Address 899 Rincon Avenue
	San Mateo. Ca. 94402	Livermote, California
The No. 4 1	5 7 1 2 4 3 4 C A 4 0 5 0 2 0 3 9 2 Description of Waste	Quantity Units No. Type D - Drum
	NON HAZARDOUS SOIL	B - Bag T - Truck P - Pounds Y - Yards O - Other
state law, is no classified and p	of a hazardous waste as defined by 40 CFR Par backaged, and is in proper condition for transport	
enerator Authorized Age	nt Name Signature	Shipment Date
1, 4 3 , 4 3 3	TRANSI	PORTER
riak No/~	3	510-634-6850 Phone No
ransporter Name	Dillard Trucking, Inc. 1001/83	Driver Name (Print)
.d ress	P. O. Box 218	Vehicle License No./State 15/14/6 6 6.
	Byron, California 94544	•
has eby certify that	the above named material was picked up	Vehicle Certification 20086 C I hereby certify that the above named material was delivered without incident to the destination listed below.
river Signature	O 2 S 5 9 2 Shipment Date	Percent Priver Signature Delivery Date
	DESTI	NATION
ite Name	B.F.I. Vasco Road Landfill	Phone No. 5 1 0 - 1 1 7 0 1 9 1
ddress	4001 North Vasco Rd Livermore.	· · · · · · · · · · · · · · · · · · ·
heby certify that	the above named material has been accepted a	nd to the best of my knowledge the foregoing is true and accurate.
:		
as of Authorized Agen	t Signature	Receipt Date



	GENER	RATOR
Gerator Name	ARCO Products	Generating Location ARCO Station 17:
wess	P. O. Box 5811	Address 899 Rincon Acomo
	San Mateo. Ca. 94402	Livermore, California
Pit he No. 4 1	Description of Waste NON HAZARDOUS SOIL	Quantity Units No. Type C - Carton B - Bag T - Truck P - Pounds Y - Yards O - Other
state law, is no classified and p		
	TRANS	PORTER
k No	Dillard Trucking, Inc. 1001/83	Phone No
ransporter Name .	Diffata fracking. Inc. 1001703	Driver Name (Print) Vehicle License No./State
verss	P. O. Bex 218	Vehicle License No./State
_	Byron. California 94544	Vehicle Certification
reby certify that	the above named material was picked up e listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature	120592 Shipment Date	Driver Signalure Delivery Date
	DESTI	NATION
Sim Name	B.F.I. Vasco Road Landfill	Phone No. 5 1 0 1 7 0 1 9 1
Address	4001 North Vasco Rd Livermore.	La. 9400U
reby certify that	t the above named material has been accepted a	and to the best of my knowledge the foregoing is true and accurate.
J 		14/1/ III
e of Authorized Ager	nt Signature	, Receipt Date
_		PASS CODE



	GENE	RATOR
erator Name ARCO Produc	ts	Generating Location ARCO Station 171
leess P. O. Box 54	311	Address 390 Rinner Averer
San Mateo.		Livermore, California
No. 4 1 5 — 5 7 Waste Code C A 4 0 Description	1 2 4 3 4 5 0 2 0 3 9 3 n of Waste	Quantity Units No. Type D - Drum
NON HAZARDOUS	S SOIL	0 0 0 1 8 Y n / I B - Bag T - Truck P - Pounds Y - Yards O - Other
state law, is not a hazardous wa	ste as defined by 40 CFR Pa n proper condition for transpor	n free liquid as defined by 40 CFR Part 260.10 or any applicable at 261 or any applicable state law, has been properly described, tation according to applicable regulations. C A C C C C C C C C
	TRANS	PORTER
k No		510-634-6850 Phone No
	cking. Inc. 1001/83	Driver Name (Print)
P. O. Box 2	18	Vehicle License No./State
Byron, Calif	ornia 94544	Vehicle Certification
the generator site listed above.	•	I hereby certify that the above named material was delivered without incident to the destination listed below.
ver Signature	0 2 0 5 9 2 Shipment Date	Driver Signature Delivery Date
	DESTI	NATION
Name B.F.I. Vasc	Road Landfill	Phone No. 5 1 0 — 1 1 7 0 4 9 1
	Jasco Rd., Livermore,	· · · · · · · · · · · · · · · · · · ·
eby certify that the above named	material has been accepted a	and to the best of my knowledge the foregoing is true and accurate.
of Authorized Agent	Signature	Receipt Date
	•	PASS CODE



GENE	HATOR
ARCO Products erator Name	Generating Location ARCO Station 771
P. 0, Box 5811	Address 890 Rincon Accessor
San Matoo, Ca. 94402	Livermore, California
the No. 4 1 5 — 5 7 1 2 4 3 4	Phone No.
Description of Waste	2 1 1 6 8 3 Containers Type D - Drum Quantity Units No. Type
NON HAZARDOUS SOIL	0 0 0 1 8 Y 0 T C - Carton B - Bag T - Truck
	P - Pounds Y - Yards O - Other
state law, is not a hazardous waste as defined by 40 CFR Pa classified and packaged, and is in proper condition for transport	
appealor Authorized Agent Name Signature	Shipment Date
TRANS	
rek No	· · · ·
ransporter Name	Driver Name (Print)
	Vehicle License No./State
Byron. California 94544	Vehicle Certification
Treby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Den Rocare 020572	Jenestica 2002012
river Signature Shipment Date	Driver Signature Delivery Date
	NATION
Name B.F.I. Vasco Road Landfill 4001 North Vasco Rd.: Livermore.	Phone No. 5 1 0 1 7 0 1 9 1
Address	Ca. 54000
reby certify that the above named material has been accepted a	and to the best of my knowledge the foregoing is true and accurate.
e of Authorized Agent Signature	Receipt Date
Signature Signature	, necept Date
^	



GENE	RATOR
Gerator Name ARCO Products	Generating Location APCO Station 177
Address P. 0. Box 5811	Address 899 Ringon in enno
San Mateo, Ca. 94402	Livermore, California
Plane No. 4 1 5 — 5 7 1 2 4 3 4 BEI Waste Code C A 4 0 5 0 2 0 3 9 2	Phone No. Containers Type
Description of Waste NON HAZARDOUS SOIL	Quantity , Units No. Type D - Drum C - Carton B - Bag T - Truck P - Pounds Y - Yards O - Other
state law, is not a hazardous waste as defined by 40 CFR Par classified and packaged, and is in proper condition for transport	
Generator Authorized Agent Name Signature	Shipment Date
TRANS	PORTER
Tock No.	Phone No
Transporter Name Dillard Trucking, Inc. 1001/83	Driver Name (Print)
A ress P. O. Box 218 Byron. California 94544	Vehicle License No./State
I Preby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature Date	Driver Signature Delivery Date
DESTI	NATION
Site Name B.F.I. Vasco Road Landfill 4001 North Vasco Rd., Livermore,	Phone No. 5 1 0 — 1 1 7 0 1 9 1 Ca. 94550
lereby certify that the above named material has been accepted a	nd to the best of my knowledge the foregoing is true and accurate.
N e of Authorized Agent Signature	Receipt Date
	PASS CODE



GENE	RATOR
ARCO Products	Generating Location (ARCO Station (7)
P. O. Box 5811 San Mateo, Ca. 94402	Address Supermore (aliferty
Prine No. 4 1 5 5 7 1 2 4 3 4 SFI Waste Code C A 4 0 5 0 2 0 6 9 2 Description of Waste	Phone No.
NON HAZARDOUS SOIL	(1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
state law, is not a hazardous waste as defined by 40 CFR Par classified and packaged, and is in proper condition for transport	
Separator Authorized Agent Name Signature	
TRANS	Shipment Date
Tiek No	510 621 6810
Dillard Trucking, Inc. 1001/83 Transporter Name	
P. O. Box 218 Byron. California 94544	Vehicle License No./State BANA Constitution State Vehicle Certification State Vehicle
reby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature Shipment Date	Driver Signature Delivery Date
DEST	NATION
B.F.I. Vasco Road Landfill	
Name 4001 North Vasco Rd. Livermore. Address	Phone No.
	and to the best of my knowledge the foregoing is true and accurate.
	16 2 26 - 2
N e of Authorized Agent Signature	Receipt Date



	GENE	RATOR
erator Name	ARCO Products	Generating Location ARCO Stationer 11
idess	P. O. Box 5811	Address 899 Ringon Avenue
	San Mateo. Ca. 94402	Livermore, Callingia
No. 4 1	5 7 1 2 4 3 4	Phone No.
Waste Code	A 4 0 5 0 2 0 6 9 2 Description of Waste	Quantity , Units No. Type D-Drum
		0 0 0 1 8 V 0 / T B - Bag
N	ON HAZARDOUS SOIL	T - Truck
		Y - Yards
		O - Other
elassified and pa	ckaged, and is in proper condition for transport	
nerator Authorized Agent	Name Signature TRANS	
	/ 3 Dillard Trucking, Inc. 1001/83	510-63:1-68:50 Phone No. Driver Name (Print)
i ess	P. O. Box 218	Vehicle License No./State
	Byron. California 94544	Vehicle Certification 3700 731
		Tomolo Columbation
	he above named material was picked up	I hereby certify that the above named material was delivered with out incident to the destination listed below.
the generator site	he above named material was picked up	I hereby certify that the above named material was delivered with
the generator site	he above named material was picked up listed above. Shipment Date	I hereby certify that the above named material was delivered with out incident to the destination listed below.
the generator site	he above named material was picked up listed above. Shipment Date	I hereby certify that the above named material was delivered with out incident to the destination listed below. Driver Signalure Delivery Date
the generator site Wer Signature Name	he above named material was picked up listed above. Shipment Date	I hereby certify that the above named material was delivered with out incident to the destination listed below. Driver Signalure Delivery Date Phone No. 5 1 0 1 7 0 1 9
the generator site wer Signature itanName ddress	he above named material was picked up listed above. DESTI B.F.I. Vasco Road Landfill 4001 North Vasco Rd. Livermore.	I hereby certify that the above named material was delivered with out incident to the destination listed below. Driver Signalure Delivery Date Phone No. 5 1 0 1 7 0 1 9
ite Name	he above named material was picked up listed above. DESTI B.F.I. Vasco Road Landfill 4001 North Vasco Rd. Livermore.	I hereby certify that the above named material was delivered with out incident to the destination listed below. Driver Signalure Phone No. 5 1 0 1 7 0 4 9 Ca. 94550

PASS CODE _



	GENE	RATOR	
Gerator NameARC	O Products	Generating Location ARCO St. Glan 271	
Aderess P.	0. Box 5811	Address 899 Rincon Avenue	
Sau	Mateo. Ca. 94402	Livermóro, Califonnia	
Plane No. 4 1 5	5 7 1 2 4 3 4	Phone No.	
3FLWaste Code C 1	4 0 5 0 2 0 6 9 2		
NON	Description of Waste HAZARDOUS SOIL	0 0 0 1 8 Y G T C - Carte B - Bag T - Truc P - Pour Y - Yard	on k nds ds
state law, is not a ha	he above named material does not contain azardous waste as defined by 40 CFR Par ged, and is in proper condition for transport	n free liquid as defined by 40 CFR Part 260.10 or any applicable rt 261 or any applicable state law, has been properly described, tation according to applicable regulations.	<u> </u>
Separator Authorized Agent Nam	1210. 11 V		
Se fator Authorized Agent Nam	e Signature TRANS	Shipment Date	
Tiek No.	_	510-631-6859 Phone No	
Transporter Name	lard Trucking. Inc. 1001/83	Driver Name (Print) Farcy Re-125	
4 ress	0. Box 218	Vehicle License No./State	
Byr —	on. California 94544	Vehicle Certification 3000	
at the generator site liste	bove named material was picked up d above.	I hereby certify that the above named material was delivered with out incident to the destination listed below.	ith-
Driver Signature	O 2 D 7 S 2 Shipment Date	Driver Signature (Delivery Date	2
	DESTI	NATION	
S Name	I.I. Vasco Road Landfill I North Vasco Rd Livermore.	Phone No. 5 1 6 - 4 7 0 4 9	1
Address	Thorem vasco ha., bivermore.	Ca. 9400U	
reby certify that the a	bove named material has been accepted a	and to the best of my knowledge the foregoing is true and accurate	te.
N. e of Authorized Agent	Signature	Receipt Date	
` <u>.</u>		PASS CODE	



	GENE	RATOR	
ie erator Name	ARCO Products	Generating Location ARLO Stations 771	
deress	P. O. Box 5811	Address 899 Rincon Tyrus	
	San Mateo. Ca. 94402	Livermore, Colliferation	
he No. 4 1	5 A 1 0 5 0 2 0 6 9 2 Description of Waste		Type - Drum
	NON HAZARDOUS SOIL	0 0 0 1 8 Y 0 / T B T P Y	- Carton - Bag - Truck - Pounds - Yards
			- Other
state law, is no classified and p	t a hazardous waste as defined by 40 CFR Par ackaged, and is in proper condition for transport	Shipment Date	ribed,
	TRANS	PORTER	4
r k No	/3	510-634-9050 Phone No.	
ransporter Name _	Dillard Trucking, Inc. 1001/83	Driver Name (Print)	
ceress	P. O. Box 218 Byron. California 94544	Vehicle License No./State	
		Vehicle Certification	
Hereby certify that the generator site	the above named material was picked up slisted above.	I hereby certify that the above named material was deliver out incident to the destination listed below.	red with-
river Signature	Posture 020792 Shipment Date	Driver Signature Delivery D.	7 (1 Z
	DESTI	NATION	
Name	B.F.I. Vasco Road Landfill 4001 North Vasco Rd Livermore.	Phone No. 3 1 0 1 1 7 0 1	9 1
		and to the best of my knowledge the foregoing is true and ac	
reby certify that	the above named material has been accepted a	and to the best of my knowledge the foregoing is true and at	ccurate.
<u>-</u>		Lind to the best of my knowledge the foregoing is fide and ac	ccurate.
reby certify that		Receipt D.	12

BFI260-720

PASS CODE ...



		GENER	RATOR			
ienerato	r Name Arco Pro	oduc+s	Generating L	ocation Ar	co Statich	, 777/
cess_	PO BOX 58	11	Address	299 B	Pincos, Aue.	Twe
-	San Mateo (Co. 94402	· <u>· ·</u>	Livern	rove Ca.	
h ne No	. 415-571	2434	Phone No.			
FL Waste	Code CA 40 S Description of	5 020692		683	Containers	D-Drum
	VON- HAZARDOU			Quantity /	Units No. Typ Y O T	C - Carton B - Bag T- Truck P - Pounds Y - Yards
-						O - Other
state class Kizk	law, is not a hazardous waste ified and packaged, and is in packaged.	e as defined by 40 CFR Par proper condition for transpor	t 261 or any a tatlon accord	applicable state	law, has been properly	
		TRANS	PORTER			
riek No		1001/83	Phone No	510 6.	34-6850	
`				_	•	
ranspor	ter Name Dillord Tru	ucking Inc.		_	•	
ranspor	ter Name <u>Dillord Tyd</u> <u>FO Box 31</u>		Driver Name	(Print) Por	•	· :
		8	Driver Name	(Print) <u>Fer</u>	cy Rocers 13848666	· :
ress	KO Box 31	18 94544	Driver Name Vehicle Lice Vehicle Cert	(Print) Peronse No./State : tification 3	cy Rocers 13848666 2086C	Go.
hereby of the ge	Byron Co. 5 certify that the above named merator site listed above. May Roy Land	18 94544	Driver Name Vehicle Lice Vehicle Cert	Print) Personse No./State stiffication 3 do not to the destination Rocket	CY ROCES BP 1/8 666 OD 86C Ive named material was fon listed below.	Go.
hereby of the ge	Byron Co. 5 certify that the above named merator site listed above. May Roy Land	naterial was picked up 20792 Shipment Date	Vehicle Lice Vehicle Cert I hereby cert out incident Driver Signature	Print) Personse No./State stiffication 3 do not to the destination Rocket	CY ROCES BP 1/8 666 OD 86C Ive named material was fon listed below.	delivered with
hereby (Box 91 Bo	naterial was picked up 20792 Shipment Date	Vehicle Lice Vehicle Cert I hereby cert out incident Driver Signatur	ense No./State stification 3 of the destination of	CY ROCES BP 1/8 666 OD 86C Ive named material was fon listed below.	delivered with
hereby (Box 91 Bo	naterial was picked up 20792 Shipment Date	Vehicle Lice Vehicle Cert I hereby cert out incident Driver Signatur	ense No./State stification 3 of the destination of	$\frac{CY}{BR1/8666}$ $\frac{O086C}{O0860}$ we named material was ion listed below. $\frac{OZ}{OQ}$	delivered with
hereby of the ge	By ros Co. 9 By ros Co. 9 Certify that the above named merator site listed above. Sucy Rossiss ature BFI Vosc 1001 Ivorth	PSYY naterial was picked up 20792 Shipment Date DESTI	Vehicle Lice Vehicle Cert I hereby cer out incident Driver Signatur NATION	ense No./State destination 3 control of the destination of the destina	Process Brised below. OZ OZ OZ	delivered with-
hereby of the ge	Box 91 Bo	PSYY naterial was picked up 20792 Shipment Date DESTI	Vehicle Lice Vehicle Cert I hereby cer out incident Driver Signatur NATION	ense No./State destination 3 control of the destination of the destina	Process Brised below. OZ OZ OZ	delivered with-
hereby (t the ge wriver Signal Address	By ros Co. 9 By ros Co. 9 Certify that the above named merator site listed above. Sucy Rossiss ature BFI Vosc 1001 Ivorth	PSYY naterial was picked up 20792 Shipment Date DESTI	Vehicle Lice Vehicle Cert I hereby cer out incident Driver Signatur NATION	ense No./State destination 3 control of the destination of the destina	Process Brised below. O Z	delivered with-

PASS CODE_



Systems NON-HAZARDOUS SPECIAL WASTE MANIFEST

	GENE	RATOR
Gerator Name _	ARCO Products	Generating Location ARCO Station 171
Address	D O Des Ents	Address 099 Rincon Avenue
<u> </u>	San Mateo. Ca. 94402	Livermore, California
Plane No. 4 1 3FI Waste Code		Phone No. Containers Type Quantity , Units No. Type D - Drum
	NON HAZARDOUS SOIL	0 0 0 1 8 Y 7 T B Bag T - Truck P - Pounds Y - Yards O - Other
state law, is no classified and	ot a hazardous waste as defined by 40 CFR Pai packaged, and is in proper condition for transport	n free liquid as defined by 40 CFR Part 260.10 or any applicable rt 261 or any applicable state law, has been properly described, tation according to applicable regulations. Shipment Date
	TRANS	PORTER
Transporter Name	•	Vehicle License No./State /// / /// /////
reby certify tha	t the above named material was picked up te listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Ortver Signature	0 2 2 4 9 2 Shipment Date	Driver Signature Delivery Date
	DESTI	NATION
Site Name	B.F.I. Vasco Road Landfill 4001 North Vasco Rd. Livermore.	Phone No. 5 1 0 — 1 1 7 0 1 9 1 Ca. 94550
I preby certify that	t the above named material has been accepted a	and to the best of my knowledge the foregoing is true and accurate.
N e of Authorized Age	nt Signature	Receipt Date
		()



	GENE	RATOR
ie erator Name	ARCO Products	Generating Location ARCO Statiles Fit
\ddress	P. O. Box 5811	Address 899 Rincon Avenue
	Son Mateo. Ca. 94402	Livermore, Califore'
in the No. C	5 7 1 2 4 3 4 A 4 0 5 0 1 1 4 9 2 Description of Waste ON HAZARDOUS SOIL	Phone No
classified and page	a hazardous waste as defined by 40 CFR Panckaged, and is in proper condition for transport	
	TRANSI	
ransporter Name	DVION, CATTIOLITA 94544	Phone No. Driver Name (Print) (1972) Vehicle License No./State (1974) Vehicle Certification (1974)
the eby certify that that the generator site I	ne above named material was picked up	I hereby certify that the above named material was delivered without incident to the destination listed below.
river Signature	ORZ478 Shipment Date	Driver Signature Delivery Date
	DESTIN	NATION
Name	B.F.I. Vasco Road Landfill 1001 North Vasco Rd Livermore. (Phone No. 5 1 0 1 7 0 1 9 1 Ca. 94550
reby certify that the	ne above named material has been accepted as	nd to the best of my knowledge the foregoing is true and accurate.
la of Authorized Agent	Signature	Receipt Date



		GENE	RATOR				-
Generator Name _	ARCO Products		Generating Location _	ARCO Station			
Address	P. O. Rox 5811		Address 899 RJ	mon Wenn			
	San Mateo. Ca. 9	4102	Livern	wre. Californ			
Pone No. 4 1	5 - 5 7 1 2	4 3 4	Phone No.				
BFI Waste Code	C A 4 0 5 Description of V	0 1 1 4 9 2			Containers		Гуре Drum
	Description of V	vasie	Ouant 0 0 0	ity Units 1	No. Type	C-C	Carton
_	NON HAZARDOUS SOI	L.				B - E	Bag Truck
						ŀ	Pounds
 			*		\Box		Yards Other
I hereby certif	fy that the above named r	material does not contai	n free liquid as defined	by 40 CFR Part 26	0.10 or any	annlica	able
state law, is r	not a hazardous waste as	s defined by 40 CFR Pa	irt 261 or any applicable	e state law, has bee	en properly	describ	ped,
,	packaged, and is in prop	1 -	ration according to appli	icable regulations.			خ.
Generator Authorized A	S FOR ARZO	La 1 St.					
Serial ator Authorized A		TRANS	PORTER	Shipment Date			
	and the second of the second o	A STATE OF THE STA		10 mm 10 mm			
Tek No.	/		51 Phone No	0-634-6850			
Transporter Name	Dillard Trucking	. Inc. 1001/83	. Driver Name (Print) 🔔	102, 111	· " 施山		
Atroop	P. O. Box 218			•			
1635	Byron. Californi	a 94544	Vehicle License No./S			-	
			Vehicle Certification _	207 20	<u> </u>		
I reby certify the at the generator s	at the above named mater ite listed above.	rial was picked up	I hereby certify that the out incident to the des			livered	d with-
	. <i>20</i>		1 /////				-
Driver Signature	RAICE !	0 2 2 1 7 2 Shipment Date	Driver Signature	<u> </u>	C 2 Z	ery Date	72
		<u> </u>			9-		
		DESIL	NATION				
Site Name	B.F.I. Vasco Roa	d Landfill	Phone No.	5 1 0 - 4	1 7 0	1.1	9 1
Audress	4001 North Vasco	Rd Livermore.	Ca. 94550			-	
l Broby podify the	ot the observed and						
reby certify the	at the above named mate	nai nas been accepted a	and to the best of my kn	owledge the foregoi	ng is true ar	nd accu	urate.
Name of Authorized Ag	ent	Signature		<i>1/</i>			
TO OF FREE POINTS OF AG	OIII.	Signature		×/	Rec	eipt Date	:
-			/ PA	SS CODE			
1 6						E	3FI260-720



GENER	RATOR
3 herator NameARCO Products	Generating Location ARCO Station (7)
Address P. 0. Rex 5811	Address 899 Kineen Avenue
San Mateo. Ca. 94402	Livermore, California,
Pine No. 4 1 5 — 5 7 1 2 4 3 4	Phone No.
3FI Waste Code C A 4 0 5 0 1 1 4 9 2	- 1
Description of Waste NON HAZARDOUS SOIL	Quantity Units No. Type C - Carton B - Bag T - Truck P - Pounds Y - Yards O - Other
I hereby certify that the above named material does not contain state law, is not a hazardous waste as defined by 40 CFR Par classified and packaged, and is in proper condition for transport	free liquid as defined by 40 CFR Part 260.10 or any applicable t 261 or any applicable state law, has been properly described, ation according to applicable regulations.
Senerator Authorized Agent Name Signature	Shipment Date
TRANSI	·
Transporter Name Dillard Trucking. Inc. 1001/83 P. O. Box 218 Byron. California 94544	Phone No
reby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered with- out incident to the destination listed below.
Man (France 072842)	
Driver/Signature Shipment Date	Driver Signature Delivery Date
DESTI	NATION
Site Name B.F.I. Vasco Road Landfill	
4001 North Vasco Rd., Livermore, 6	Phone No. 5 1 0 1 1 7 0 1 9 1 Ca. 94550
Authress	nd to the best of my knowledge the foregoing is true and accurate.
N ie of Authorized Agent Signature	Receipt Date
	PASS CODEBFI260-720



		ERATOR
erator Name _	ARCO Products	Generating Location ARCO Station 11
ress	P. O. Box 5811	Address 899 Rincon Avenue
	San Malne, Ca. 94402	Livermore, Calling Co.
we No. $\begin{bmatrix} 4 & 1 \end{bmatrix}$		Phone No. 2 1 1 6 8 3 Containers Type Quantity Units No. Type D - Drum C - Carton
	NON HAZARDOUS SOIL	0 0 0 1 8 7 T B - Bag T - Truck P - Pounds Y - Yards O - Other
state law, is n	not a hazardous waste as defined by 40 CFR P packaged, and is in proper condition for transpo	ain free liquid as defined by 40 CFR Part 260.10 or any applicable art 261 or any applicable state law, has been properly described, ortation according to applicable regulations.
ator Authorized Ag	gent Name Signature TRAN	Shipment Date
	Dillard Trucking. Inc. 1001/83 P. O. Box 218 Byron. California 94544	Driver Name (Print) \(\sum / M \) \(\sum / \su
sporter Name	Dillard Trucking, Inc. 1001/83 P. O. Box 218	Priver Name (Print) //M / CAFTT
sporter Name ress reby certify that e generator si	P. O. Box 218 Byron. California 94544 at the above named material was picked up	Phone No. Driver Name (Print) Vehicle License No./State Vehicle Certification I hereby certify that the above named material was delivered with-
ress	P. O. Box 218 Byron. California 94544 at the above named material was picked up itelisted above. Shipment Date	Phone No. Driver Name (Print) Vehicle License No./State Vehicle Certification I hereby certify that the above named material was delivered without incident to the destination listed below.
ressreby certify that the generator s	Dillard Trucking. Inc. 1001/83 P. O. Box 218 Byron. California 94544 at the above named material was picked up it listed above. Shipment Date DEST B.F.I. Vasco Road Landfill	Phone No. Driver Name (Print) Vehicle License No./State Vehicle Certification I hereby certify that the above named material was delivered without incident to the destination listed below. Driver Signature Delivery Date INATION Phone No. 5 1 0 1 9 1
ressreby certify that ne generator s	Dillard Trucking. Inc. 1001/83 P. O. Box 218 Byron. California 94544 at the above named material was picked up itelisted above. Shipment Date	Phone No. Driver Name (Print) Vehicle License No./State Vehicle Certification I hereby certify that the above named material was delivered without incident to the destination listed below. Driver Signature Delivery Date INATION Phone No. 5 1 0 1 9 1
ne generator s or Signature Name	P. O. Box 218 Byron. California 94544 at the above named material was picked up its listed above. Shipment Date DEST B.F.I. Vasco Road Landfill 4001 North Vasco Rd Livermore.	Phone No. Driver Name (Print) Vehicle License No./State Vehicle Certification I hereby certify that the above named material was delivered without incident to the destination listed below. Driver Signature Delivery Date INATION Phone No. 5 1 0 1 9 1
ress reby certify that generator single generator single s	P. O. Box 218 Byron. California 94544 at the above named material was picked up its listed above. DEST B.F.I. Vasco Road Landfill 4001 North Vasco Rd Livermore. at the above named material has been accepted.	Phone No. Driver Name (Print) Vehicle License No./State Vehicle Certification I hereby certify that the above named material was delivered without incident to the destination listed below. Driver Signature Delivery Date INATION Phone No. 5 1 0 1 5 1 Ca. 94550



	GENE	RATOR
3 erator Name _	ARCO Products	Generating Location ARCO Station : 1
Address	P. O. Box 5811	Address 899 Pincon Avenu
	San Mateo. Ca. 94402	Livermore, Californ's
Plane No. 4 1 BFI Waste Code	5 — 5 7 1 2 4 3 4 C A 4 0 5 0 1 1 4 9 2 Description of Waste	Quantity Units No. Type D - Drum
	NON HAZARDOUS SOIL	0 0 0 1 8 Y 0 T C - Carton B - Bag T - Truck P - Pounds Y - Yards O - Other
state law, is no	ot a hazardous waste as defined by 40 CFR Par packaged, and is in proper condition for transport	n free liquid as defined by 40 CFR Part 260.10 or any applicable t 261 or any applicable state law, has been properly described, ation according to applicable regulations. Shipment Date
	TRANS	
Tilek No	Dillard Trucking, Inc. 1001/83 P. O. Box 218	510-631-6850
_	Byron. California 94544	Vehicle Certification
reby certify that at the generator sit	t the above named material was picked up e listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Oriyer Signature	Shipment Date	Driver Signature Delivery Date
	DESTI	NATION
Site Name	B.F.I. Vasco Road Landfill 4001 North Vasco Rd., Livermore.	Phone No. 5 1 0 4 1 7 0 4 9 1 Ca. 94550
reby certify that	t the above named material has been accepted a	nd to the best of my knowledge the foregoing is true and accurate.
No e of Authorized Ager	nt Signature	Receipt Date
_		PASS CODE



1 1 1 1 1 1 1 1 1 1	GEI	NERATOR	20	
nerator Name _	ARCO Products	Generating Location	Station 771	
	P. O. Box 5811	Address899 Rincom 3	(५ विक्षांत्र)	
	San Mateo. Ca. 94402	Livermore.	alifornia	
one No. 4 1	5 7 1 2 4 3 4 C A 4 0 5 0 3 1 2 9	Phone No. 2 1 1 6 8 3	Containers	Туре
	Description of Waste NON HAZARDOUS SOIL	Quantity ,	Units No. Type	D - Drum C - Carton D - Bag T - Truck P - Pounds Y - Yards
•				O - Other
🖷 state law, is n	that the above named material does not corot a hazardous waste as defined by 40 CFR packaged, and is in proper condition for trans	Part 261 or any applicable state la	w, has been properly	applicable described,
nerator Authorized Ag	- 7.007		Shipment Date	
	TRA	NSPORTER		
ck No	Dillard Trucking, Inc. 1001/83	Phone No		
•	P. O. Box 218			
dress	Byron. California 94544	Vehicle License No./State / Vehicle Certification 2013		
ereby certify that the generator si	at the above named material was picked up	I hereby certify that the above out incident to the destination	named material was d	lelivered with
ger Signature	03139 Shipment Date	2 Driver Signature	Dei	livery Date
,	nec	TINATION	,,	
	B.F.I. Vasco Road Landfill	5 1	0 1 1 7	n • 9 ;
te Name	4001 North Vasco Rd Livermore	Phone No. 2 1		
ereby certify that	at the above named material has been accepte	d and to the best of my knowledge	the foregoing is true a	and accurate.
	. (1977년) - 1977년 - 1977	(Man		
me of Authorized Age	ont Signature		Re	ceipt Date
· .		C_{i}		



	GENER	RATOR			Y	·	
ARCO Products Merator Name		Generating	Location	MRCO Stati	en #771		
Address P. 0. Box 5811		Address	899 RI1	icon Avnou	a .		
Son Mateo, Ca. 94402				ore. Calif	or da		
Fone No.	4	Phone No.					
BFI Waste Code C A 4 0 5 0 3 Description of Waste	1 2 9 2	1 1	6 8 3	J	Container		Type) - Drum
NON HAZARDOUS SOIL	. •		Quantity 0 0 0	y V Units	No. T	ype C	C - Carton - Bag - Truck - Pounds
	÷					─ Y	- Yards - Other
I hereby certify that the above named material doc	es not contain	free liquid :	ns defined b	40 CER Par	1 000 10	_	
state law, is not a hazardous waste as defined by classified and packaged, and is in proper condition	v 40 CFR Part	261 or any	applicable:	state law, has	been prope	any app erly desc	cribed,
Alles mis Some of the	uy San	1.	[037	1/2		
Generator Authorized Agent Name Signature	/		L	Shipment	Date		
	TRANSP	ORTER			- 4		
Tock No	· ·	D/ 14) - 634-6850			
Dillard Trucking, Inc. I	1001/00	Phone No Driver Nam	e (Print)	Mell	or Alor		`
P. O. Box 218				te WHEL	1.195	.* .	
Byron, California 94544							
ereby certify that the above named material was pick	ked up	I hereby ce	rtify that the	above named	l material wa	s delive	red with-
						1 1	
Driver Signature Shipme	ent Date	Driver Signature	9			Delivery E)ale
	DESTIN	ATION			A. William	£4.	
B.F.I. Vasco Road Landfi				5 1 0	1 4 7	0 1	9 1
4001 North Vasco Rd Li		a. 94550	hone No. L		-[<u>''</u>	
reby certify that the above named material has bee	n accepted an	d to the bes	st of my knov	vledge the for	egoing is tru	e and a	ccurate.
		1			्रिस्टर इस्तिस्टर	4712	170
Name of Authorized Agent	Signature					Receipt D	ato
•		4					
		. •	PASS	CODE			



WNING-FERRIS INDUSTRIES

GENE	RATOR
ARCO Products	
erator Name	Generating Location ARCO Station 1771
Vddress P. O. Box 5811	Address 899 Rincon Avenue
San Mateo. Ca. 94402	Livermore. California
2h ne No. 4 1 5 _ 5 7 1 2 4 3 4	Phone No.
3Fi Waste Code C A 4 0 5 0 3 1 2 9 2	
Description of Waste	Quantity Units No. Type D-Drum
NON HAZARDOUS SOIL	0 0 0 1 8 y 0 T C - Carton B - Bag
Town MADAINPOLS SUIL	T - Truck P - Pounds
	Y - Yards
· horoby codify that the	O - Other
THE PARTY OF THE CONTRACTORS WASTE AS DESIDED BY ALL C.FR PAR	free liquid as defined by 40 CFR Part 260.10 or any applicable t 261 or any applicable state law, has been properly described,
classified and packaged, and is in proper condition for transport	ation according to applicable regulations.
enerator Authorized Agent Name Signature	63/3/2.
enerator Authorized Agent Name Signature	Shipment Date
TRANSI	PORTER
rusk No	510-634-6850 Phone No
Dillard Trucking to took to	Driver Name (Print) July play
The contract of the contract o	
Byron. California 94544	Vehicle License No./State 1/19/15/15/15
	Vehicle Certification 2017 56
the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
yes Signature Shipment Date	Driver Signature Delivery Date
DESTIN	
D. T. T. III	
4001 North Vasco Rd., Livermore, C	Phone No. 5 1 0 _ 4 9 1
idess	4. 74000
by certify that the above named material has been accepted an	d to the best of my knowledge the foregoing is true and accurate
	The state of the s
me of Authorized Agent Signature	Receipt Date
	PASS CODE



Waste Systems MON-HAZARD	№ 715785 OUS SPECIAL WASTE MANIFEST
	RATOR Section 1997 And Section 1997
ARCO Products Guerator Name	Generating Location ARCO Station 1771
Address P. O. Box 5811 San Mateo. Ca. 94402	Address 899 Rincon Avenue Livermore, California
Pene No. 4 1 5 5 7 1 2 4 3 4 3FI Waste Code C A 4 0 5 0 3 1 2 9 2 Description of Waste NON HAZARDOUS SOIL	Phone No.
	n free liquid as defined by 40 CFR Part 260.10 or any applicable at 261 or any applicable state law, has been properly described, tation according to applicable regulations. Shipment Date
TRANS	PORTER 510-634-6850
Transporter Name Dillard Trucking, Inc. 1001/83 Transporter Name P. O. Box 218 Byron, California 94544	Phone No
at the generator site listed above.	Vehicle Certification 204356 I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature 0 3 1 3 4 2 Shipment Date	Driver Signature Delivery Date
DESTI	NATION
Site Name B.F.I. Vasco Road Landfill 4001 North Vasco Rd Livermore. Address	Phone No. 5 1 0 4 4 7 0 4 9 1 Ca. 94550
Pereby certify that the above named material has been accepted a	and to the best of my knowledge the foregoing is true and accurate.
Name of Authorized Agent Signature	Receipt Date
	PASS CODE



		GENERATOR
rator Name	ARCO Products	Generating Location ARCC Stat Free 177 t
idress	P. O. Box 5811	Address 899 Rincon Acenso
	San Mateo. Ca. 94402	Livermore California
e No. 4 1	5 — 5 7 1 2 4 3 4 C A 1 0 5 0 3 1 2 Description of Waste	Phone No. Containers Type Quantity , Units No. Type D - Drum
: ! 	NON HAZARDOUS SOIL	0 0 0 1 1 0 Y 0 T C - Carton B - Bag T - Truck P - Pounds Y - Yards O - Other
classified and p	ot a hazardous waste as defined by 40 C	contain free liquid as defined by 40 CFR Part 260.10 or any applicable CFR Part 261 or any applicable state law, has been properly described, ansportation according to applicable regulations.
STATO AUTHORIZED AGE		Shipment Date RANSPORTER
No. <u>5</u>	Dillard Trucking, Inc. 1001/	Driver Name (Print)
ess	P. O. Box 218 Byron. California 94544	Vehicle License No./State (1) HELERS Vehicle Certification 224356
the generatorisite	t the above named material was picked up e listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
er Signature	Shipment Date	Driver Signature - Delivery Date
		DESTINATION
e_Name	B.F.I. Vasco Road Landfill 4001 North Vasco Rd Liverm	Phone No. 5 1 0 1 1 7 0 1 9 1
eby certify that	t the above named material has been acce	epted and to the best of my knowledge the foregoing is true and accurate.
of Authorized Agen	nt Signa	ature Receipt Date
_	•	PASS CODE



	GENE	RATOR
aceerator Name	ARCO Products	Atton Station - 171 Generating Location
deress	P. O. Box 5811	Address 899 Rincon Avenue
	San Mateo. Ca. 94402	Livermore, California
h le No. 4 1 FI Waste Code	5 7 1 2 4 3 4 C A 4 0 5 0 3 1 2 9 2 Description of Waste	Phone No. Containers Type Quantity Units No. Type D-Drum
	NON HAZARDOUS SOIL	0 0 0 1 P Y U T C - Carton B - Bag
] 	NOW THEMETOUS SOLD	T - Truck P - Pounds Y - Yards O - Other
classified and p	that the above named material does not contain a hazardous waste as defined by 40 CFR Papackaged, and is in proper condition for transportant Name Signature	
Menaler Admonized Age	TRANS	
	Dillard Trucking, Inc. 1001/83	510-634-6850 Phone No
	P. O. Box 218 Byron. California 94544	Phone No. Driver Name (Print) Take Light Clar Vehicle License No./State Light LELE 1.5
ransporter Name _	P. O. Box 218 Byron. California 94544 the above named material was picked up	510-634-6850 Phone No
ansporter Name	P. O. Box 218 Byron. California 94544 the above named material was picked up	Phone No. Driver Name (Print) Take Later Vehicle License No./State Later Vehicle Certification 201356 I hereby certify that the above named material was delivered with-
ansporter Name	P. O. Box 218 Byron. California 94544 the above named material was picked up plisted above. O 3 / 3 9 2 Shipment Date	Phone No. Driver Name (Print) Syking Log Vehicle License No./State Life Life Life Vehicle Certification 201356 I hereby certify that the above named material was delivered without incident to the destination listed below.
nansporter Name dess name by certify that the generator site wer Signature	P. O. Box 218 Byron. California 94544 the above named material was picked up plisted above. O 3 / 3 9 2 Shipment Date	Phone No
dess	P. O. Box 218 Byron. California 94544 the above named material was picked up plisted above. DESTI B.F.I. Vasco Road Landfill 4001 North Vasco Rd Livermore. the above named material has been accepted a	Phone No



- 8		GENERATOR
Gerator Name _	ARCO Products	Generating Location ARCO Station 771
	P. O. Box 5811	Address 899 Rincon Avenue
	San Mateo. Ca. 94402	Livermore, California
Plane No. 4 1	5 7 1 2 4 3 4	Phone No.
3FI Waste Code	C A 4 0 5 0 3 1 2 Description of Waste	9 2 1 1 6 8 3 Containers Type Quantity , Units No. Type D - Drum
	NON HAZARDOUS SOIL	*0 0 0 1 8 Y 0 7 T C - Carton B - Bag T - Truck P - Pounds Y - Yards
I hereby certify	y that the above named material does no	t contain free liquid as defined by 40 CFR Part 260.10 or any applicable
classified and	packaged, and is in proper condition for t	CFR Part 261 or any applicable state law, has been properly described, transportation according to applicable regulations.
Generator Authorized Ag	gent Name Signature	Shipment Date
	7	RANSPORTER
Teck No	7-834	510-634-6950 Phone No.
Fransporter Name	Dillard Trucking. Inc. 1001	Driver Name (Print)
A Iress	P. O. Box 218	Vehicle License No./State
	Byron. California 94544	Vehicle Certification 300500 30000
	at the above named-material was picked uite listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature	Shipment Dat	e Driver Signature Delivery Date
		DESTINATION
Site Name	B.F.I. Vasco Road Landfill	5 1 0 1 1 7 0 1 3 1
Address	4001 North Vasco Rd Liver	Bore. Ca. 94550
reby certify that	at the above named material has been ac	cepted and to the best of my knowledge the foregoing is true and accurate.
N Se of Authorized Age	ant Si-	nature Receipt Date
	Sig.	Alure Receipt Date



GENE	RATOR
e prator Name Acco Products	Generating Location Arch Studies # 771
d <u>dr</u> ess <u>P.O. Box 5811</u>	Address
San Mates, CA 44402	
the No. 4 / 5 - 5 7 / 2 4 3 4	Phone No.
FI Waste Code $\angle A$ $9 0 5 0 3 1 2 9 2 OSCIPTION OF Waste$	Quantity , Units No. Type D-Drum
Non Huzardous Soil	C - Carton B - Bag T - Truck P - Pounds Y - Yards O - Other
state law, is not a hazardous waste as defined by 40 CFR Par classified and packaged, and is in proper condition for transport	
PAIO Dout SALLIN Ling Signature	6 3 / 3 / 2 Shipment Date
TRANS	
ransporter Name Dillard Trucking	Phone No. 510-639-650 Driver Name (Print) Jules Lillander
ress <u>P.O. Box 218</u>	Vehicle License No./State LIME(E)
Byin, U 44544	Vehicle Certification 294356
reby certify that the above named material was picked up at the generator site listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Priver Signature 0 3 13 9 2	Driver Signature Delivery Date
DEST	NATION
Site Name B.F.I. Vasco Rd Land Fill Appress 4001 N. Vasco Rd. Livermare	Phone No. 5-1 0 -4 7 7 9 4 7 1
Acoress 4001 N. Vesco Rd. Livermare,	49650
	and to the best of my knowledge the foregoing is true and accurate.
Name of Authorized Agent Signature	Receipt Date
_	PASS CODE