

**UNDERGROUND STORAGE TANK
REPLACEMENT AND SOIL SAMPLING**

ARCO Facility No. 2162
15135 Hesperian Boulevard
San Leandro, California 94578

July 7, 1992

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TITLE: Underground Storage Tank Replacement and Soil Sampling
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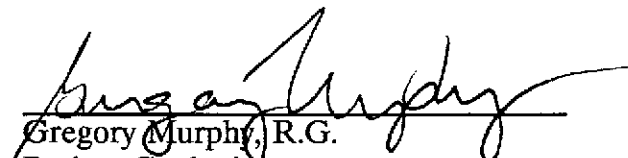
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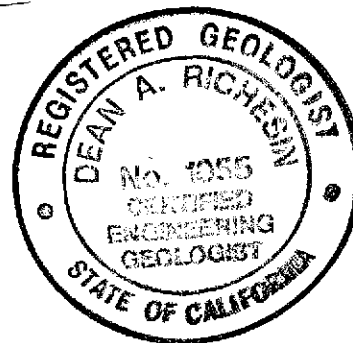
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1.0 INTRODUCTION

This report describes the replacement of underground storage tanks (USTs) at ARCO Products Company (ARCO) Facility No. 2162 located at 15135 Hesperian Boulevard, California (Site) and presents the results of soil sampling done in conjunction with the tank replacement activities.

ARCO retained Roux Associates (Roux) under Task Order No. 2162-91-1A to :

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

Soil samples were collected from the sidewalls of the tank cavities, from beneath the removed product lines, from the excavated soil stockpiles, and from the aerated soil stockpiles. The tank replacement activities and associated Roux efforts were conducted from December 5, 1991 to March 27, 1992. The work performed by Roux was conducted by Roux personnel under the direction of Mr. Dean A. Richesin, California Certified Engineering Geologist Number 1055.

2.0 SITE DESCRIPTION

ARCO Facility No. 2162 is an operating self-service gasoline station and ARCO AM/PM mini-market located at the southwest corner of the intersection of Hesperian Boulevard and Ruth Court in San Leandro, California (Figure 1). The Site is a relatively flat asphalt and concrete covered lot, at an elevation of about 30 ft. above mean sea level (USGS, 1987). Topography in the area slopes very gently (less than 1 percent) toward the southwest.

The tanks that were removed included four single-wall USTs; one 12,000-gallon fiberglass UST; two 8,000-gallon steel USTs; and one 6,000-gallon steel UST formerly located in a common tank cavity northeast of the ARCO AM/PM building (Figure 2). One 560-gallon waste oil tank located west of the ARCO AM/PM building was also removed. Currently, Site features include an ARCO AM/PM building, two pump islands, and four newly installed, double-wall 10,000-gallon fiberglass USTs, and one 500-gallon waste oil tank located in the same general area of the Site as the removed tanks.

3.0 GEOLOGY AND HYDROGEOLOGY

The Site is located on the East Bay Plain, an area of generally low relief lying between San Francisco Bay to the west and the hills of the Diablo Range to the east. The Site is about one mile west of the Hayward Fault Zone. The East Bay Plain is underlain by about 1,000 ft. of unconsolidated Quaternary sediments, consisting mostly of sand and silt deposited by alluvial systems, and clay and silt deposited in shoreline and estuarine environments (Hickenbottom and Muir, 1988). The soils in the vicinity of the Site have been mapped as younger alluvium which is composed of unconsolidated clay, silt, sand, and gravel (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 primarily of interbedded silt and silty clay overlying a sand and gravel unit. Ground water was encountered at 9 to 10 ft. below ground surface (bgs) in soil borings drilled in June 1991 (Roux, 1991a). The estimated direction of the ground water flow at the Site is to the west-southwest based on the local topography and drainage and regional flow considerations.

4.0 PREVIOUS INVESTIGATIONS

In June 1991, Roux conducted a preliminary tank replacement assessment (predrill) at the Site (Roux, 1991a). The purpose of the predrill was to evaluate the extent of hydrocarbons in the subsurface at the former UST location prior to planned removal of the tanks. The predrill investigation consisted of drilling and sampling five soil borings in the area of the existing USTs and installing two vapor extraction test wells in two additional borings (Figure 2).

The predrill boreholes encountered unconsolidated alluvial sediments consisting predominantly of interbedded silt and silty clay layers to a depth of 7 to 9 ft. (bgs). A sand and gravel sequence underlies the silt and silty clay layers. Ground water was encountered at a depth of about 9 to 10 ft. bgs. Laboratory analyses of soil samples collected from the boreholes drilled adjacent to the existing tanks indicated the presence of total petroleum hydrocarbons as gasoline (TPH-G) and benzene, toluene, ethylbenzene and total xylenes (BTEX). Table 1 summarizes the laboratory analytical data.

On June 6, 1991, Roux conducted a limited soil performance test (LSPT) to determine whether or not subsurface soil conditions at the Site would be amenable to soil venting remediation techniques. A vacuum was applied to one of the test wells and the second nearby well was monitored for an air pressure decrease. These test results indicated the subsurface conditions at the Site were not amenable to soil venting remediation techniques (Roux, 1991b).

5.0 TANK EXCAVATION, REMOVAL AND SAMPLING

This section describes the following activities:

- Underground storage tank removal,
- Soil sampling at the limits of the tank cavity,
- Product line removal and soil sampling,
- Excavation of new tank cavity and installation of new USTs, and
- Laboratory analyses.

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

5.1 Underground Storage Tank Removal

On December 4, 1991, Golden West Environmental Services (Golden West), of Brentwood, California began the excavations needed to remove the old gasoline and waste oil tanks. The pavement overlying the old tanks was cut and removed, and the fill material in the cavity was excavated down to the tops of the USTs. The pea gravel surrounding the fiberglass UST and the sand surrounding the steel USTs were removed from the cavity and stockpiled on-site.

On the morning of December 5, 1991 Golden West placed dry ice in the four USTs and waste oil tank to reduce the possibility of combustion during removal and transportation. 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 Mr. Michael Bakaldin of the San Leandro Fire Department (SLFD).

Golden West removed each UST by attaching chains to the top of the tank and lifting it with an excavator. After removal, each tank was inspected by Mr. Bakaldin and Roux. All tanks appeared to be in good condition. There was no visible evidence of holes or leaks in the tanks, except that the fiberglass tank had a four-inch by four-inch hole caused by the backhoe operations during tank removal. The four USTs were loaded onto H&H Environmental Services (H&H) trucks and transported from the Site to H&H's facility in San Francisco, California. As a result of the tank removal activities, a UST Unauthorized Release Form was issued for this Site on December 6, 1991.

5.2 Soil Sampling at the Limits of the Tank Cavity

Soil sampling from the sidewalls of the tank cavity was performed on the same day as excavation of the tank cavity and waste oil tank.

Roux collected samples from the native soil at the sidewalls of the tank cavity on December 5, 1991, immediately following the removal of the USTs. Five samples were collected from the sidewalls of the tank cavity at a depth of 9 to 10 ft. bgs and one sample from below the waste oil tank at a depth of 10 ft. bgs. Sampling locations were selected by Mr. Bakaldin of the SLFD (Figure 3).

All soil samples were collected in clean brass tubes that measured two inches in diameter by four inches long. Soil from the excavation was brought up to the surface in the bucket of the excavator. After scraping away three to twelve inches of soil from the surface, a brass tube was driven into the newly exposed surface and filled completely so that no headspace remained in the tube at either end. Immediately after filling, each end of the tube was covered with aluminum foil and a plastic cap, and sealed with duct tape. The samples were labeled with the project name, time, date, sample identification number and sampler's initials and placed in a

plastic bag. All samples were stored on ice, in a closed cooler chest, and delivered to the laboratory. Chain-of-Custody documentation was maintained for all samples.

5.3 Product Line Removal and Soil Sampling

Excavation and removal of the product lines as well as sampling of the soil beneath the removed lines took place on February 4, 1992. Roux collected soil samples at intervals of about 20 ft. from the bottom of the product line trenches. Seven sampling locations were selected by Mr. Karl Bosche of the SLFD (Figure 3). All of the samples were collected at a depth of about three feet bgs. The product line samples were collected in brass tubes and prepared for transport to the laboratory in the same manner utilized when sampling the sidewalls from the removed USTs cavity. The backfill material removed from the product line trenches was stockpiled on-site.

5.4 Excavation of New Tank Cavity and Installation of New USTs

Golden West shored the perimeter of the new tank cavity with steel sheet piles on December 6, 7 and 8, 1991. The new tank cavity was located in the same general area of the Site as the former tank cavity (Figure 3). Golden West then removed all of the soil inside of the shoring to a depth of 14 ft. bgs in order to accommodate the new USTs. The soil removed from the tank cavity was stockpiled on-site. Golden West installed four new, double-wall, 10,000-gallon fiberglass USTs on January 28, 1992. 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 are completed.

5.5 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 former gasoline UST cavity and the product line trenches were analyzed for the following compounds:

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

In addition to TPH-G and BTEX, the soil sample collected from the base of the waste oil tank pit was analyzed for the following:

- Total petroleum fuel hydrocarbons as high boiling point hydrocarbons (TPH-D) by USEPA Method 8015,
- Oil and grease by Standard Method 5520 E & F,
- Volatile organic compounds by USEPA Method 8240, and
- Metals by USEPA Method 6010.

Table 2 summarizes the laboratory analytical data for the former UST cavity and the product line trench samples. Table 3 presents the analytical data for the waste oil tank cavity sample. Laboratory analytical reports are presented in Appendix B and Chain-of-Custody documentation forms are contained in Appendix C.

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 south and west sides of the lot. Composite samples were collected from the stockpiles to characterize the soil for disposal.

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

The stockpile samples were delivered to Sequoia for chemical analyses. Chain-of-Custody documentation was maintained for all samples. Sequoia combined each set of four stockpile samples into one composite sample for analysis. A total of 13 composite samples were analyzed for TPH-G by USEPA Method 8015, and BTEX by USEPA Method 8020. Table 4 summarizes the laboratory analytical data for the stockpile samples. Laboratory analytical reports are presented in Appendix B and Chain-of-Custody documentation forms are 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 100 mg/kg TPH-G were provided to the BFI Class III landfill in Livermore, California (BFI). Following approval from BFI, the former tank cavity soil

stockpiles containing less than 100 mg/kg TPH-G (approximately 100 cu. yds.) were removed from the Site on January 8, 1992 by Dillard Trucking 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 December 30, 1991 and aeration of the soil stockpiles began on January 8, 1992. After aeration for variable time periods, each 50 cu. yds. of soil was resampled. A total of 13 composite samples were collected and analyzed in the same manner as the pre-aeration soil stockpile samples. Table 5 summarizes the laboratory analytical data for the aerated stockpile samples. Laboratory analytical reports are 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 April 1, 1992. A total of about 900 cu. yds. of soil was disposed of at BFI. Disposal documentation for all soil removed from the Site is given in Appendix D.

6.3 Disposal of Water

Prior to installation of the new USTs on January 28, 1992, water was pumped from the new tank cavity excavation into H&H vacuum trucks. A total of about 50,000 gals. of water was removed from the new tank cavity. The water was transported by H&H to their facility in San Francisco, California, for disposal.

7.0 INSTALLATION OF CONDUCTOR CASINGS, VAULT BOXES AND PVC PIPING

To facilitate future anticipated investigation and remediation of the Site, one conductor casing, vault boxes, and assorted horizontal piping were installed by Golden West concurrently with the installation of the new USTs and associated piping (Figure 4).

One 12-inch diameter, Schedule 80, slotted, blank PVC conductor casing was installed between the new USTs in the southern portion of the new tank complex. Two vault boxes were installed at the Site. Soil borings can be drilled through the vault boxes. Ground water monitoring wells, vapor extraction wells, or recovery wells can be installed into the borings as necessary. One vault box was installed near the southwest corner of the AM/PM building and the other vault box was installed near the south side of the UST complex. The vault boxes were installed in locations accessible to a drill rig and clear of the new product, vent, and vapor recovery lines.

One 2-inch Schedule 40 PVC water conveyance pipe, a 1-inch Schedule 40 PVC vapor extraction line, and a 3/4-inch Schedule 40 PVC electrical conduit were installed in subsurface trenches between the vault boxes. This piping may be used to connect the wells to a soil and/or ground water treatment system in the future.

8.0 SUMMARY OF RESULTS

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

8.1 Tank Replacement

Four single-wall gasoline USTs, one waste oil tank and associated piping were removed and four double-wall USTs, one double-wall waste oil tank, and associated double containment piping were installed at the Site. The new USTs were installed in the area of the former tank cavity.

8.2 Petroleum Hydrocarbons in Sidewalls of the Former Tank Cavity

Laboratory analyses of five soil samples collected from the sidewalls of the UST cavity at depths of 9 to 10 ft. bgs indicated TPH-G concentrations ranging from 140 to 1,000 mg/kg (Table 2). BTEX concentrations ranged from not detected (ND) to 220 mg/kg. Soil samples SW-4 and SW-5, collected from the northern sidewall of the tank cavity contained TPH-G concentrations of 610 and 1,000 mg/kg, respectively.

8.3 Petroleum Hydrocarbons in Soil Below the Removed Product Lines

Laboratory analyses of soil samples collected from below the removed product lines at a depth of about 3 ft. bgs indicated concentrations of TPH-G ranging from ND to 110 mg/kg. BTEX concentrations ranged from ND to 4.0 mg/kg (Table 2).

8.4 Petroleum Hydrocarbons Below Waste Oil Tank

Laboratory analysis of the soil sample indicated the presence of TPH-G (310 mg/kg), TPH-D (360 mg/kg), and oil and grease (270 mg/kg). The chromatogram for the TPH-D analysis did not match the diesel standard, but indicated compounds in the lower boiling point range. BTEX concentrations ranged from 0.78 mg/kg to 13 mg/kg. No volatile organic compounds other than BTEX were detected (Table 3).

8.5 Disposal of Soil Stockpiles

Soil generated during tank replacement activities was stockpiled on-site and sampled. 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 with concentrations greater than 100 mg/kg TPH-G were aerated on-site and resampled. These aerated soil stockpiles were transported to the BFI facility for disposal when the levels of TPH-G had been reduced to less than 100 mg/kg (Table 4).

8.6 Installation of Conductor Casing, Vault Boxes and PVC Piping

To facilitate future investigation and remediation of the Site, a conductor casing, vault boxes and PVC piping were installed concurrently with the installation of the new USTs and associated piping (Figure 4). Vault boxes were installed at locations where ARCO may drill soil borings

and install wells and remedial systems. Assorted PVC piping was installed in subsurface trenches between several of the vault boxes so that the wells can be connected to treatment systems in the future.

9.0 REFERENCES

Hickenbottom, K. and Muir, K. 1988. Geohydrology and Ground Water Quality Overview, East Bay Plain Area, Alameda County, California 205(J) Report. Alameda County Flood Control and Water Conservation District, California.

Roux Associates. 1991a. Preliminary Tank Replacement Assessment, ARCO Facility Number 2162, 15135 Hesperian Boulevard, San Leandro. August 28, 1991.

Roux Associates. 1991b. Limited Soil Performance Test at ARCO Facility Number 2162, 15135 Hesperian Boulevard, San Leandro. August 28, 1991.

U.S.G.S. 1968 San Leandro, California, 7.5-Minute Topographic Quadrangle Map.

U.S.G.S. 1980 Hayward, California, 7.5-Minute Topographic Quadrangle Map.

**Table 1. Summary of Soil Analyses: Predrill Soil Borings (Roux, 1991a)
ARCO Facility No. 2162, San Leandro, California**

Sample Number	Date Sampled	Depth (feet bgs)	TPH-G (1)	BTEX Distinction (1)			
				Benzene	Toluene	Ethylbenzene	Xylenes
B1-5	6/5/91	5	ND	ND	ND	ND	0.016
B1A-7.5	6/5/91	7.5	43	0.14	0.93	1.1	7.8
B2-5	6/5/91	5	1.3	ND	ND	ND	0.018
B2-9	6/5/91	9	ND	ND	ND	ND	ND
B3-4	6/5/91	4	26	0.024	0.029	0.16	1.1
B3-7.5	6/5/91	7.5	1400	2.5	4.4	29	190
B4-4.5	6/5/91	4.5	ND	0.025	0.013	0.0085	0.042
B4-7.5	6/5/91	7.5	2400	17	62	41	260
VW1-6	6/5/91	6	2.8	0.033	0.0073	0.079	0.055
VW1-9	6/5/91	9	100	0.48	1.4	2.7	4.1

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.

**Table 2. Summary of Soil Analyses: Sidewall and Product Lines
ARCO Facility No. 2162, San Leandro, California**

Sample Number	Date Sampled	Depth Sampled	TPH-G (1)	BTEX Distinction (1)			
				Benzene	Toluene	Ethylbenzene	Xylenes
<u>Excavation Sidewall Samples:</u>							
SW-1	12/5/91	9	500	ND	0.4	3.5	8.4
SW-2	12/5/91	10	140	0.1	0.38	3.0	7.2
SW-3	12/5/91	10	150	0.26	0.11	2.1	2.0
SW-4	12/5/91	10	610	0.47	7.1	11	82
SW-5	12/5/91	10	1,000	2.3	9.2	25	220
<u>Product Line Samples:</u>							
L-1	2/4/92	3	ND	ND	ND	ND	ND
L-2	2/4/92	3.5	4.4	0.082	0.013	0.21	0.3
L-3	2/4/92	3	ND	ND	ND	ND	ND
L-4	2/4/92	3	ND	0.0063	0.0076	ND	0.029
L-5	2/4/92	3	110	0.65	0.17	1.2	0.14
L-6	2/4/92	2.5	16	1.0	0.2	0.96	4.0
L-7	2/4/92	4	12	0.28	0.018	0.35	0.78

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.

**Table 3. Summary of Soil Analyses: Waste Oil Tank Cavity
ARCO Facility No. 2162, San Leandro, California**

Sample Number	Date Sampled	Depth Sampled	TPH-G (1)	BTEX Distinction (1)				VOCs (1)
				Benzene	Toluene	Ethylbenzene	Xylenes	
WO-1	12/5/91	10	310	0.78	0.8	2.9	13	ND*

Sample Number	TPH-D (1)	O&G (1)	Metals (1)				
			Cadmium	Chromium	Lead	Nickel	Zinc
WO-1	360	270	ND	49	5.2	59	58

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).

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

O&G = Total Recoverable Petroleum Oil and Grease (SM 5520 E&F).

BTEX Distinction (USEPA Method 8020).

VOCs = Volatile Organic Compounds (USEPA Method 8240).

Metals by Inductively Coupled Plasma Spectroscopy (USEPA Method 6010).

ND = Not detected.

ND* = Not detected except BTEX Compounds.

**Table 4. Summary of Soil Analyses: Soil Stockpiles
ARCO Facility No. 2162, San Leandro, California**

Sample Number	Date Sampled	TPH-G(1)	BTEX Distinction (1)			
			Benzene	Toluene	Ethylbenzene	Xylenes
CS-1	12/9/91	1,300	0.98	3.7	5.0	110
CS-2	12/9/91	1,000	5.6	39	14	130
CS-3	12/9/91	200	0.36	0.91	1.5	20
CS-4	12/9/91	86	0.077	0.11	0.36	2.8
CS-5	12/9/91	100	0.14	0.27	0.65	4.8
CS-6	12/9/91	140	0.032	0.085	0.47	3.7
CS-7	12/9/91	110	ND	0.082	0.074	1.9
CS-8	12/9/91	270	0.12	0.1	0.22	13
CS-9	12/9/91	54	ND	ND	ND	0.24
CS-10	12/9/91	480	0.44	0.36	3.8	26
CS-11	1/27/92	51	0.11	ND	0.18	0.95
CS-12	1/31/92	6.2	0.016	0.013	0.016	0.16
CS-13	1/31/92	23	0.028	0.066	0.11	0.82

FOOTNOTES

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

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

BTEX Distinction (USEPA Method 8020).

ND = Not Detected.

**Table 5. Summary of Soil Analyses: Aerated Soil Stockpiles
ARCO Facility No. 2162, San Leandro, California**

Sample Number	Date Sampled	TPH-G(1)	BTEX Distinction (1)			
			Benzene	Toluene	Ethylbenzene	Xylenes
CSA-2	3/10/92	30	ND	ND	0.045	0.4
CSA-6	1/13/92	77	0.063	1.3	0.27	2.3
CSA-7	1/15/92	150	0.17	0.85	0.75	6.3
CSAA-7	1/21/92	41	0.033	0.096	0.056	0.6
CS-14	2/12/92	190	0.24	0.96	0.88	9.2
CSA-14	2/21/92	57	ND	0.055	0.12	0.61
CS-15	2/12/92	110	0.1	0.39	0.35	3.5
CSA-15	2/21/92	45	ND	0.07	0.068	0.91
CS-16	2/21/92	ND	ND	ND	ND	ND
CS-17	2/21/92	16	0.058	0.024	0.082	0.38
CS-18	3/23/92	19	ND	0.013	0.035	0.12
CS-19	3/23/92	40	0.009	ND	0.14	0.84
CS-20	3/23/92	8.5	ND	0.013	0.011	0.045

FOOTNOTES

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

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

BTEX Distinction (USEPA Method 8020).

ND = Not Detected.




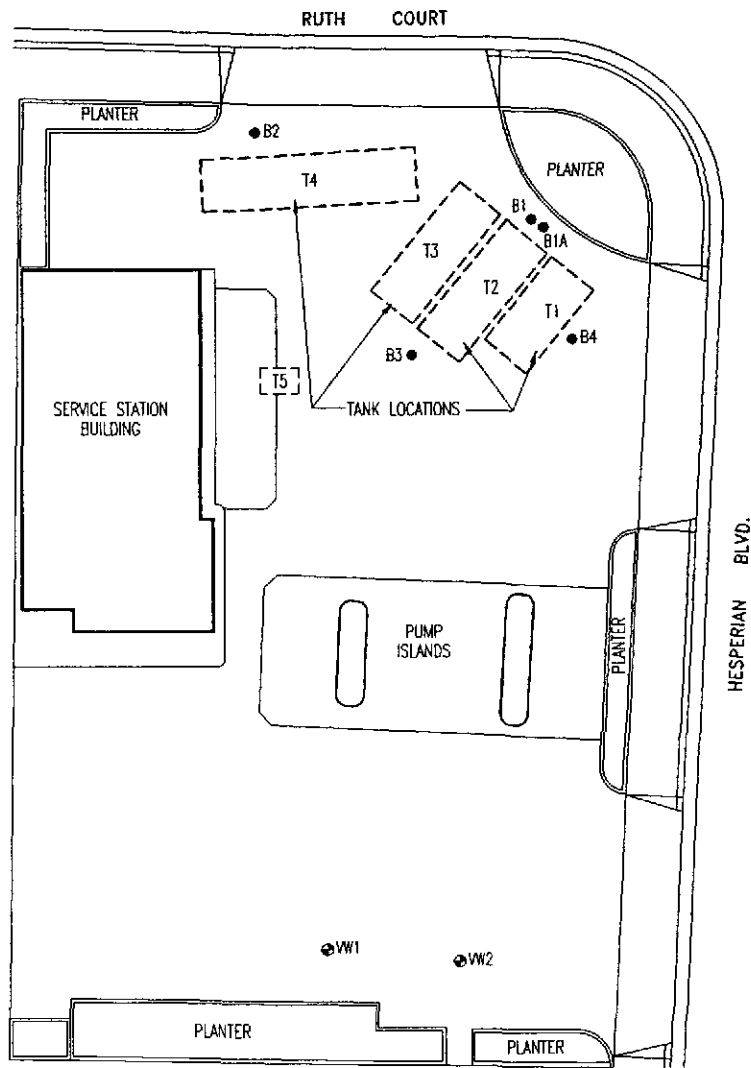
ARCO FACILITY
NO. 2162

SOURCE:

USGS 7.5 MINUTE QUADRANGLES OF
SAN LEANDRO, CALIFORNIA, 1968
AND
HAYWARD, CALIFORNIA, 1980.



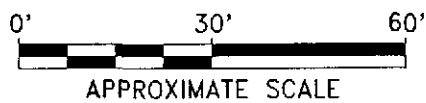
 ROUX ASSOCIATES ENVIRONMENTAL CONSULTING & MANAGEMENT	COMPILED BY: J.F.	PREPARED FOR: ARCO PRODUCTS COMPANY	FIGURE 1
	PREPARED BY: R.P.	TITLE: SITE LOCATION ARCO FACILITY NO. 2162	
	PROJECT MNGR. P.S.		
	DATE: 07/91		
	SCALE: AS SHOWN		
	PROJECT NO. A117W01		
FILE NAME: 2162TOPO			



EXPLANATION

- B1 SOIL BORING LOCATIONS AND DESIGNATIONS.
- ⊙ VW1 VAPOR EXTRACTION TEST WELL LOCATIONS AND DESIGNATIONS.
- FORMER UNDERGROUND STORAGE TANK LOCATION.

- T1 6,000 GAL. STEEL TANK.
- T2 8,000 GAL. STEEL TANK.
- T3 8,000 GAL. STEEL TANK.
- T4 12,000 GAL. FIBERGLASS TANK.
- T5 560 GAL. WASTE OIL TANK.

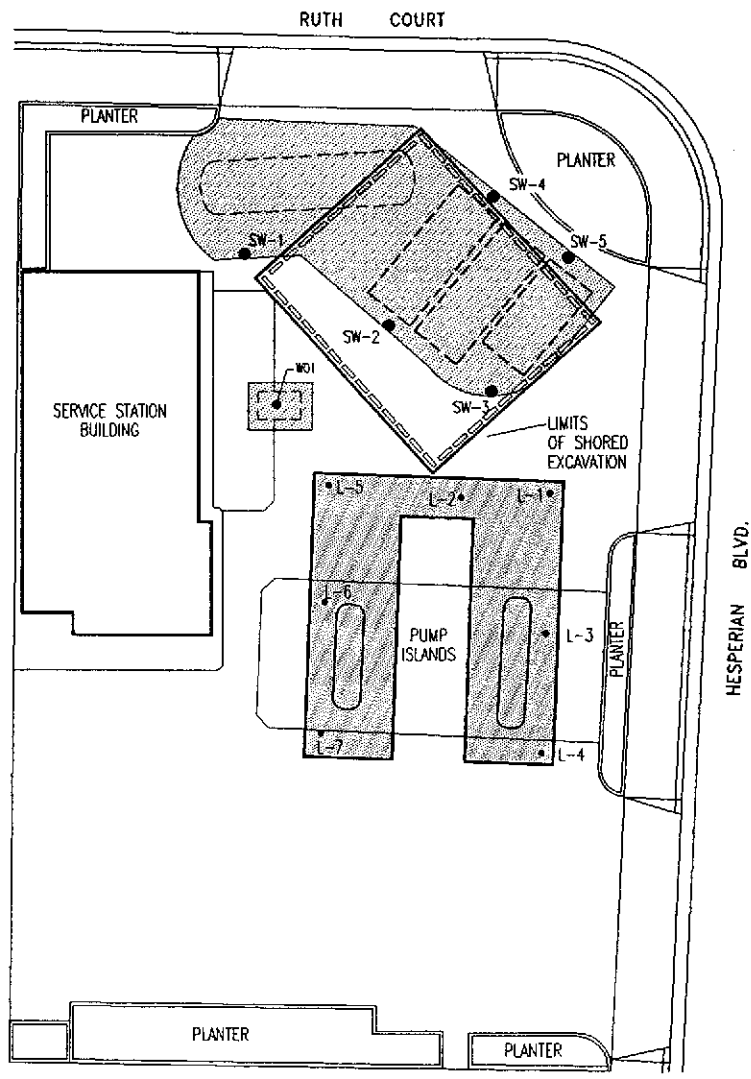


COMPILED BY:	T.R.
PREPARED BY:	R.P.
PROJECT MNGR.	G.M.
DATE:	06/92
SCALE:	AS SHOWN
PROJECT NO.	A117W01
FILE NAME:	AR216201




PREPARED FOR:	ARCO PRODUCTS COMPANY
TITLE:	SITE PLAN
	ARCO FACILITY NO. 2162

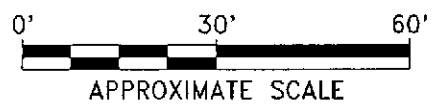
FIGURE

2



EXPLANATION

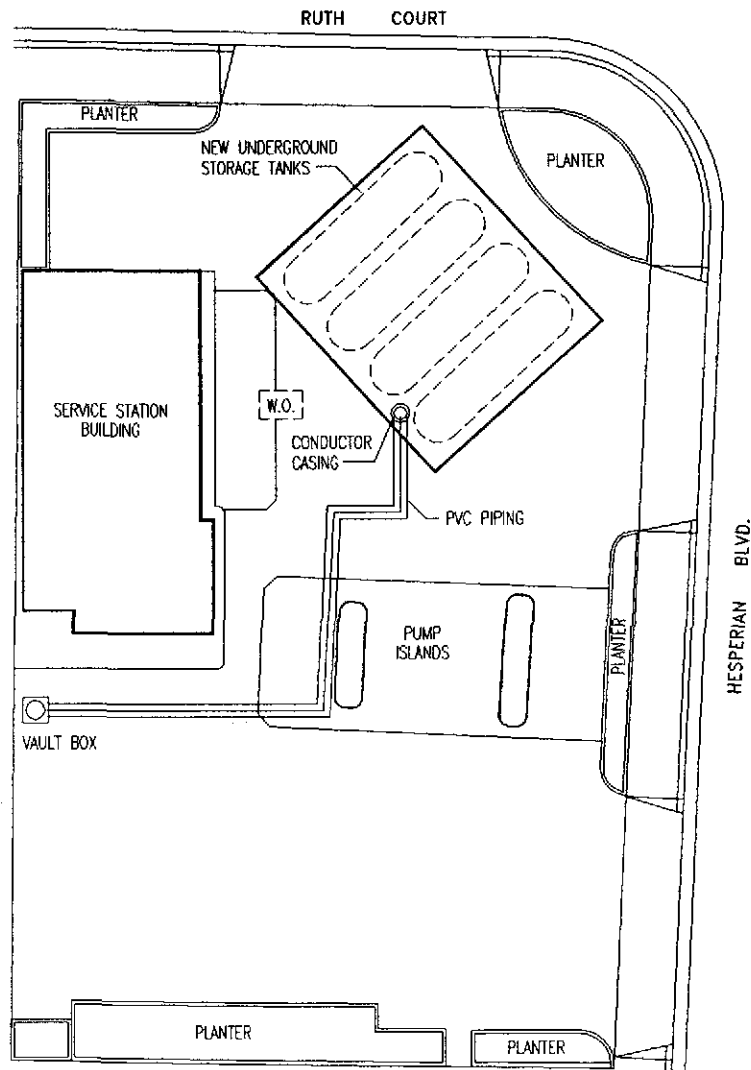
-  FORMER UNDERGROUND STORAGE TANK AND PRODUCT LINE EXCAVATIONS.
- L-1 PRODUCT LINE SAMPLE LOCATION AND DESIGNATION.
- SW-1 SIDEWALL SOIL SAMPLE LOCATION AND DESIGNATION.
-  SHEET PILES AT LIMITS OF NEW TANK CAVITY.
-  FORMER UNDERGROUND STORAGE TANK LOCATION.






COMPILED BY:	T.R.
PREPARED BY:	R.P.
PROJECT MNGR.	G.M.
DATE:	07/91
SCALE:	01/92
PROJECT NO.	A117W01
FILE NAME:	AR216201

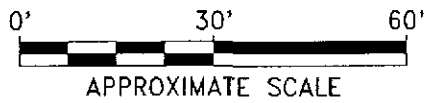
PREPARED FOR:	ARCO PRODUCTS COMPANY
TITLE:	PRODUCT LINE AND SIDEWALL SOIL SAMPLE LOCATIONS
	ARCO FACILITY NO. 2162

FIGURE
3



EXPLANATION

-  NEW UNDERGROUND STORAGE TANKS.
-  VAULT BOX LOCATION.
-  CONDUCTOR CASING LOCATION.



COMPILED BY:	T.R.
PREPARED BY:	R.P.
PROJECT MNGR.	G.M.
DATE:	04/92
SCALE:	AS SHOWN
PROJECT NO.	A117W01
FILE NAME:	AR216201

PREPARED FOR:	ARCO PRODUCTS COMPANY
TITLE:	LOCATION OF CONDUCTOR CASING, VAULT BOX, AND PVC PIPING ARCO FACILITY NO. 2162

FIGURE	4
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APPENDIX A

Summary of Site Environmental Activities

SUMMARY OF SITE ACTIVITIES

**ARCO Facility No. 2162
15135 Hesperian Road
San Leandro, California**

Date	Activity	By
12/2/91	Preconstruction meeting.	ARCO, Golden West, Roux
12/4/91	Began UST excavation.	Golden West
12/5/91	Excavated and inspected USTs.	SLFD, Golden West, Roux
	Removed USTs from Site.	H&H
	Collected sidewall soil samples.	SLFD, Roux
12/6/91	Began shoring excavation.	Golden West
	Removed and stockpiled soil from shored excavation.	
	Filed product release notification.	ARCO
12/9/91	Collected composite stockpile soil samples.	Roux
1/8/92	Hauled soil stockpiles to BFI. Began aeration.	Dillard
1/9/92	SLFD gave verbal authorization to install new tanks.	SLFD, Roux
1/13/92	Collected composite stockpile soil samples.	Roux
1/15/92	Collected composite stockpile soil samples.	Roux
1/21/92	Collected composite stockpile soil samples.	Roux
	Written authorization given by SLFD to install tanks.	SLFD, Roux
1/24/92	Hauled soil stockpiles to BFI	Dillard
1/27/92	Collected composite stockpile soil samples.	Roux
	Began pumping water from tank pit.	H&H
1/28/92	Installed new USTs and conductor casing.	Golden West, SLFD, Roux H&H
1/31/92	Collected composite stockpile soil samples.	Roux
	Hauled soil stockpiles to BFI.	Dillard
2/4/92	Product lines removed and trenches sampled.	Golden West, SLFD, Roux
2/5/92	Hauled soil stockpiles to BFI.	Dillard

Notes:

ACRO	ARCO Products Company
Golden West	Golden West Environmental Services
Roux	Roux Associates
SLFD	San Leandro Fire Department
H&H	H&H Environmental Services
Dillard	Dillard Trucking Company

SUMMARY OF SITE ACTIVITIES

ARCO Facility No. 2162
15135 Hesperian Road
San Leandro, California

Date	Activity	By
2/12/92	Collected composite stockpile soil samples.	Roux
2/13/92	Approval given by SLFD to install and backfill product lines.	SLFD, Roux
2/21/92	Collected composite stockpile soil samples.	Roux
3/10/92	Collected composite stockpile soil samples.	Roux
3/12/92	Installed product lines, piping, and vault boxes	Golden West
3/23/92	Collected composite stockpile soil samples.	Roux
3/27/92	Collected composite stockpile soil samples.	Roux
4/1/92	Removed last stockpiled soil from Site.	Dillard

Notes:

ACRO	ARCO Products Company
Golden West	Golden West Environmental Services
Roux	Roux Associates
SLFD	San Leandro Fire Department
H&H	H&H Environmental Services
Dillard	Dillard Trucking Company

APPENDIX B

Laboratory Analytical Reports



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

RECEIVED DEC 23 1991

Roux Associates	Client Project ID: 2162-91-1A/ Arco	Sampled: Dec 5, 1991
1350 Arnold Drive, Suite 201	Matrix Descript: Soil	Received: Dec 5, 1991
Martinez, CA 94553	Analysis Method: EPA 5030/8015/8020	Analyzed: Dec 11, 1991
Attention: Paul Supple	First Sample #: 112-0172	Reported: Dec 17, 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)
112-0172	SW-1	500	N.D.	0.40	3.5	8.4
112-0173	SW-2	140	0.10	0.38	3.0	7.2
112-0174	SW-3	150	0.26	0.11	2.1	2.0
112-0175	SW-4	610	0.47	7.1	11	82
112-0176	SW-5	1,000	2.3	9.2	25	220

Detection Limits:	1.0	0.0050	0.0050	0.0050	0.0050
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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



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1900 Bates Avenue • Suite LM • Concord, California 94520
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Roux Associates
1350 Arnold Drive, Suite 201
Martinez, CA 94553
Attention: Paul Supple

Client Project ID: 2162-91-1A/ Arco

QC Sample Group: 1120172-176

Reported: Dec 17, 1991

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020
Analyst:	R.H./J.F.	R.H./J.F.	R.H./J.F.	R.H./J.F.
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date Analyzed:	Dec 11, 1991	Dec 11, 1991	Dec 11, 1991	Dec 11, 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	1.20
Conc. Matrix Spike:	0.39	0.38	0.41	1.2
Matrix Spike % Recovery:	98	95	102	100
Conc. Matrix Spike Dup.:	0.39	0.39	0.41	1.2
Matrix Spike Duplicate % Recovery:	98	98	102	100
Relative % Difference:	0.0	2.6	0.0	0.0

Laboratory blank contained the following analytes: None Detected

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Laboratory Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$



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Roux Associates	Client Project ID: Arco/ #2162-91-1A	Sampled: Feb 4, 1992
1855 Gateway Blvd, Suite 770	Matrix Descript: Soil	Received: Feb 6, 1992
Concord, CA 94520	Analysis Method: EPA 5030/8015/8020	Analyzed: Feb 6, 1992
Attention: Greg Murphy	First Sample #: 202-0201	Reported: Feb 7, 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)
202-0201	L-1	N.D.	N.D.	N.D.	N.D.	N.D.
202-0202	L-2	4.4	0.082	0.013	0.21	0.30
202-0203	L-3	N.D.	N.D.	N.D.	N.D.	N.D.
202-0204	L-4	N.D.	0.0063	0.0076	N.D.	0.029

Detection Limits:	1.0	0.0050	0.0050	0.0050	0.0050
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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



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Roux Associates	Client Project ID: Arco/ #2162-91-1A	Sampled: Feb 4, 1992
1855 Gateway Blvd, Suite 770	Matrix Descript: Soil	Received: Feb 6, 1992
Concord, CA 94520	Analysis Method: EPA 5030/8015/8020	Analyzed: Feb 6, 1992
Attention: Greg Murphy	First Sample #: 202-0205	Reported: Feb 7, 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)
202-0205	L-5	110	0.65	0.17	1.2	0.14
202-0206	L-6	16	1.0	0.20	0.96	4.0

Detection Limits:	10	0.050	0.050	0.050	0.050
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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: Greg Murphy

Client Project ID: Arco/ #2162-91-1A
Matrix Descript: Soil
Analysis Method: EPA 5030/8015/8020
First Sample #: 202-0207

Sampled: Feb 4, 1992
Received: Feb 6, 1992
Analyzed: Feb 6, 1992
Reported: Feb 7, 1992

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

Sample Number	Sample Description	Low/Medium B.P.	Benzene	Toluene	Ethyl Benzene	Xylenes
		Hydrocarbons				
		mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
202-0207	L-7	12	0.28	0.018	0.35	0.78

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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Roux Associates
1855 Gateway Blvd, Suite 770
Concord, CA 94520
Attention: Greg Murphy

Client Project ID: Arco/ #2162-91-1A

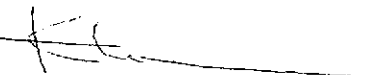
QC Sample Group: 2020201-0207

Reported: Feb 7, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020
Analyst:	K.E./K.N./J.F.	K.E./K.N./J.F.	K.E./K.N./J.F.	K.E./K.N./J.F.
Reporting Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Date Analyzed:	Feb 6, 1992	Feb 6, 1992	Feb 6, 1992	Feb 6, 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:	0.41	0.41	0.45	1.4
Matrix Spike % Recovery:	102	102	112	116
Conc. Matrix Spike Dup.:	0.41	0.41	0.44	1.2
Matrix Spike Duplicate % Recovery:	102	102	110	100
Relative % Difference:	0.0	0.0	2.2	15

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Laboratory Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$



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Roux Associates
1350 Arnold Drive, Suite 201
Martinez, CA 94553
Attention: Paul Supple

Client Project ID: Arco #2162/San Leandro
Sample Descript: Soil, WO-1
Lab Number: 112-0152

Sampled: Dec 5, 1991
Received: Dec 5, 1991
Extracted: Dec 9, 1991
Analyzed: Dec 10, 1991
Reported: Dec 11, 1991

LABORATORY ANALYSIS

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Cadmium.....	0.50	N.D.
Chromium.....	0.50	49
Lead.....	5.0	5.2
Nickel.....	2.5	59
Zinc.....	0.50	58

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

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Roux Associates
1350 Arnold Drive, Suite 201
Martinez, CA 94553
Attention: Paul Supple

Client Project ID: Arco #2162/San Leandro
Sample Descript: Soil, WO-1
Analysis Method: EPA 8240
Lab Number: 112-0152

Sampled: Dec 5, 1991
Received: Dec 5, 1991
Analyzed: Dec 10, 1991
Reported: Dec 11, 1991

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acetone.....	2,500	N.D.
Benzene.....	500	550
Bromodichloromethane.....	500	N.D.
Bromoform.....	500	N.D.
Bromomethane.....	500	N.D.
2-Butanone.....	2,500	N.D.
Carbon disulfide.....	500	N.D.
Carbon tetrachloride.....	500	N.D.
Chlorobenzene.....	500	N.D.
Chloroethane.....	500	N.D.
2-Chloroethyl vinyl ether.....	2,500	N.D.
Chloroform.....	500	N.D.
Chloromethane.....	500	N.D.
Dibromochloromethane.....	500	N.D.
1,1-Dichloroethane.....	500	N.D.
1,2-Dichloroethane.....	500	N.D.
1,1-Dichloroethene.....	500	N.D.
cis-1,2-Dichloroethene.....	500	N.D.
trans-1,2-Dichloroethene.....	500	N.D.
1,2-Dichloropropane.....	500	N.D.
cis-1,3-Dichloropropene.....	500	N.D.
trans-1,3-Dichloropropene.....	500	N.D.
Ethylbenzene.....	500	7,400
2-Hexanone.....	2,500	N.D.
Methylene chloride.....	500	N.D.
4-Methyl-2-pentanone.....	2,500	N.D.
Styrene.....	500	N.D.
1,1,2,2-Tetrachloroethane.....	500	N.D.
Tetrachloroethene.....	500	N.D.
Toluene.....	500	1,100
1,1,1-Trichloroethane.....	500	N.D.
1,1,2-Trichloroethane.....	500	N.D.
Trichloroethene.....	500	N.D.
Trichlorofluoromethane.....	500	N.D.
Vinyl acetate.....	500	N.D.
Vinyl chloride.....	500	N.D.
Total Xylenes.....	500	38,000

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
1350 Arnold Drive, Suite 201
Martinez, CA 94553
Attention: Paul Supple

Client Project ID: Arco #2162/San Leandro
Matrix Descript: Soil
Analysis Method: SM 5520 E&F (Gravimetric)
First Sample #: 112-0152

Sampled: Dec 5, 1991
Received: Dec 5, 1991
Extracted: Dec 10, 1991
Analyzed: Dec 10, 1991
Reported: Dec 11, 1991

TOTAL RECOVERABLE PETROLEUM OIL

Sample Number	Sample Description	Oil & Grease mg/kg (ppm)
---------------	--------------------	--------------------------------

112-0152	WO-1	270
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Detection Limits:

30

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

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Roux Associates
1350 Arnold Drive, Suite 201
Martinez, CA 94553
Attention: Paul Supple

Client Project ID: Arco #2162/San Leandro
Matrix Descript: Soil
Analysis Method: EPA 3550/8015
First Sample #: 112-0152

Sampled: Dec 5, 1991
Received: Dec 5, 1991
Extracted: Dec 9, 1991
Analyzed: Dec 10, 1991
Reported: Dec 11, 1991

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
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112-0152	WO-1	360
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Detection Limits:

20

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

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Kenneth K.F. Lee
Laboratory Manager



SEQUOIA ANALYTICAL

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(510) 686-9600 • FAX (510) 686-9689

RECEIVED DEC 16 1991

Roux Associates	Client Project ID: Arco #2162/San Leandro	Sampled: Dec 5, 1991
1350 Arnold Drive, Suite 201	Sample Descript.: Soil, WO-1	Received: Dec 5, 1991
Martinez, CA 94553	Analysis Method: EPA 5030/8015/8020	Analyzed: Dec 10, 1991
Attention: Paul Supple	Lab Number: 112-0152	Reported: Dec 11, 1991

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	25	310
Benzene	0.13	0.78
Toluene	0.13	0.80
Ethyl Benzene	0.13	2.9
Xylenes	0.13	13

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

SEQUOIA ANALYTICAL

Kenneth K.F. Lee
Laboratory Manager



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Roux Associates
1855 Gateway Blvd. Suite 770
Concord, CA 94520
Attention: Gregory Murphy

Client Project ID: Arco #2162-91-1A/ San Leandro
Sample Descript: Soil
Analysis for: STLC Lead
First Sample #: 112-0331

Sampled: Dec 9, 1991
Relogged: Jan 15, 1992
Extracted: Jan 17, 1992
Analyzed: Jan 21, 1992
Reported: Jan 21, 1992

LABORATORY ANALYSIS FOR: STLC Lead

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L
112-0331	CS-3	0.0050	0.20
112-0334	CS-6	0.0050	0.25
112-0336	CS-8	0.0050	0.066

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

SEQUOIA ANALYTICAL

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Roux Associates
1350 Arnold Drive, Suite 201
Martinez, CA 94553
Attention: Paul Supple

Client Project ID: Arco #2162/San Leandro

QC Sample Group: 112-0152

Reported: Dec 11, 1991

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes	Diesel	Oil and Grease
Method:	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA8015	SM5520
Analyst:	A. Maralit	A. Maralit	A. Maralit	A. Maralit	R.L.	A. Do
Reporting Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Date Analyzed:	Dec 10, 1991	Dec 10, 1991	Dec 10, 1991	Dec 10, 1991	Dec 9, 1991	Dec 10, 1991
QC Sample #:	BLK121091	BLK121091	BLK121091	BLK121091	BLK120991	BLK121091
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	0.20	0.20	0.20	0.60	15	5000
Conc. Matrix Spike:	0.23	0.22	0.22	0.64	14	4400
Matrix Spike % Recovery:	115	110	110	107	93	88
Conc. Matrix Spike Dup.:	0.21	0.20	0.20	0.60	14	4500
Matrix Spike Duplicate % Recovery:	105	100	100	100	93	90
Relative % Difference:	9.1	9.5	9.5	6.4	0.0	2.2

Laboratory blank contained the following analytes: None Detected

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Kenneth K.F. Lee
Laboratory Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$



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

Roux Associates
1350 Arnold Drive, Suite 201
Martinez, CA 94553
Attention: Paul Supple

Client Project ID: Arco #2162/San Leandro
Method (units): EPA 8240 (µg/L purged)
Analyst(s): M. Williams
QC Sample #: BLK120991

Q.C. Sample Dates

Analyzed: Dec 9, 1991
Reported: Dec 11, 1991

QUALITY CONTROL DATA REPORT

Analyte	Sample Conc.	Spike Conc. Added	Conc. Matrix Spike	Matrix Spike % Recovery	Conc. Matrix Spike Duplicate	Matrix Spike % Recovery	Relative % Difference
1,1-Dichloroethene	N.D.	50	57	114	54	108	5.4
Trichloroethene	N.D.	50	53	106	55	110	3.7
Benzene	N.D.	50	52	104	53	106	1.9
Toluene	N.D.	50	58	116	59	118	1.7
Chlorobenzene	N.D.	50	55	110	56	112	1.8

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Kenneth K.F. Lee
Laboratory Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$



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Roux Associates
1350 Arnold Drive, Suite 201
Martinez, CA 94553
Attention: Paul Supple

Client Project ID: Arco #2162/San Leandro

QC Sample Group: 112-0152

Reported: Dec 11, 1991

QUALITY CONTROL DATA REPORT

ANALYTE

	Cadmium	Chromium	Lead	Nickel	Zinc
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Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Analyst:	N. Herrera	N. Herrera	N. Herrera	N. Herrera	N. Herrera
Reporting Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Date Analyzed:	Dec 10, 1991	Dec 10, 1991	Dec 10, 1991	Dec 10, 1991	Dec 10, 1991
QC Sample #:	112-0849	112-0849	112-0849	112-0849	112-0849

Sample Conc.:	N.D.	0.76	9.6	150	65
Spike Conc. Added:	500	500	500	500	500
Conc. Matrix Spike:	575	530	543	710	595
Matrix Spike % Recovery:	115	106	107	112	106
Conc. Matrix Spike Dup.:	584	535	552	721	600
Matrix Spike Duplicate % Recovery:	117	107	108	114	107
Relative % Difference:	1.6	0.94	0.18	1.5	0.83

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

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Kenneth K.F. Lee
Laboratory Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$



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RECEIVED DEC 16 1991

Roux Associates 1350 Arnold Drive, Suite 201 Martinez, CA 94553 Attention: Greg Murphy	Client Project ID: Arco 2162/San Leandro Matrix Descript: Soil Analysis Method: EPA 5030/8015/8020 First Sample #: 112-0329	Sampled: Dec 9, 1991 Received: Dec 10, 1991 Analyzed: Dec 10, 1991 Reported: Dec 11, 1991
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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)
112-0329	CS-1 (A-D)	1,300	0.98	3.7	5.0	110
112-0330	CS-2 (A-D)	1,000	5.6	39	14	130

Detection Limits:	100	0.50	0.50	0.50	0.50
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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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Kenneth K.F. Lee
Laboratory Manager

1120329.RRR <1>



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Roux Associates	Client Project ID: Arco 2162/San Leandro	Sampled: Dec 9, 1991
1350 Arnold Drive, Suite 201	Matrix Descript: Soil	Received: Dec 10, 1991
Martinez, CA 94553	Analysis Method: EPA 5030/8015/8020	Analyzed: Dec 10, 1991
Attention: Greg Murphy	First Sample #: 112-0331	Reported: Dec 11, 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)
112-0331	CS-3 (A-D)	200	0.36	0.91	1.5	20
112-0333	CS-5 (A-D)	100	0.14	0.27	0.65	4.8
112-0334	CS-6 (A-D)	140	0.032	0.085	0.47	3.7
112-0335	CS-7 (A-D)	110	N.D.	0.082	0.074	1.9
112-0337	CS-9 (A-D)	54	N.D.	N.D.	N.D.	0.24

Detection Limits:	5.0	0.025	0.025	0.025	0.025
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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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Kenneth K.F. Lee
Laboratory Manager



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Roux Associates	Client Project ID: Arco 2162/San Leandro	Sampled: Dec 9, 1991
1350 Arnold Drive, Suite 201	Matrix Descript: Soil	Received: Dec 10, 1991
Martinez, CA 94553	Analysis Method: EPA 5030/8015/8020	Analyzed: Dec 10, 1991
Attention: Greg Murphy	First Sample #: 112-0332	Reported: Dec 11, 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)
112-0332	CS-4 (A-D)	86	0.077	0.11	0.36	2.8
112-0336	CS-8 (A-D)	270	0.12	0.10	0.22	13
112-0338	CS-10 (A-D)	480	0.44	0.36	3.8	26

Detection Limits:	10	0.050	0.050	0.050	0.050
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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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Kenneth K.F. Lee
Laboratory Manager

1120329.RRR <3>



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Roux Associates
1350 Arnold Drive, Suite 201
Martinez, CA 94553
Attention: Greg Murphy

Client Project ID: Arco 2162/San Leandro

QC Sample Group: 1120329-38


Reported: Dec 11, 1991

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020
Analyst:	R.H./J.F.	R.H./J.F.	R.H./J.F.	R.H./J.F.
Reporting Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Date Analyzed:	Dec 10, 1991	Dec 10, 1991	Dec 10, 1991	Dec 10, 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
Conc. Matrix Spike:	0.36	0.33	0.33	1.1
Matrix Spike % Recovery:	90	82	82	92
Conc. Matrix Spike Dup.:	0.36	0.34	0.33	1.2
Matrix Spike Duplicate % Recovery:	90	85	82	100
Relative % Difference:	0.0	3.0	0.0	8.7

Laboratory blank contained the following analytes: None Detected

SEQUOIA ANALYTICAL


Kenneth K.F. Lee
Laboratory Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$



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Roux Associates
1350 Arnold Drive, Suite 201
Martinez, CA 94553
Attention: Greg Murphy

Client Project ID: Arco/ #2162-91-A
Sample Descript: Soil
Analysis Method: California LUFT Manual, 12/87
First Sample #: #1120329

Sampled: Dec 9, 1991
Relogged: Dec 11, 1991
Extracted: Dec 16, 1991
Analyzed: Dec 16, 1991
Reported: Dec 20, 1991

ORGANIC LEAD

Sample Number	Sample Description	Sample Results mg/kg (ppm)
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#1120329	CS-1, A-D	N.D.
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Detection Limits: 0.050

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

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Kenneth K.F. Lee
Laboratory Manager

#1120329.RRR <1>



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Roux Associates
1350 Arnold Drive, Suite 201
Martinez, CA 94553
Attention: Greg Murphy

Client Project ID: Arco/ #2162-91-A
Sample Descript: Soil, CS-1, A-D
Lab Number: 112-0329 AD

Sampled: Dec 9, 1991
Relogged: Dec 11, 1991
Extracted: Dec 16, 1991
Analyzed: Dec 18, 1991
Reported: Dec 20, 1991

LABORATORY ANALYSIS (STLC Lead)

Analyte

Detection Limit
mg/kg

Sample Results
mg/kg

STLC Lead

0.0050

0.22

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

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Kenneth K.F. Lee
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#1120329.RRR <2>



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Roux Associates
1350 Arnold Drive, Suite 201
Martinez, CA 94553
Attention: Greg Murphy

Client Project ID: Arco/ #2162-91-A

QC Sample Group: 112-0329

Reported: Dec 20, 1991

QUALITY CONTROL DATA REPORT

ANALYTE	Organic Lead	STLC Lead	Cyanide	R. Sulfide	pH
Method:	Luft	EPA 239.2	EPA 9010	EPA 9030	EPA 9040
Analyst:	K. Anderson	M.M.	L.A. Colon	B.S./L.A.C.	J. Martinez
Reporting Units:	mg/kg	mg/L	mg/L	mg/kg	NA
Date Analyzed:	Dec 16, 1991	Dec 18, 1991	Dec 10, 1991	Dec 16, 1991	Dec 12, 1991
QC Sample #:	Matrix Blank	112-2610	112-0906	112-2127	112-1905
Sample Conc.:	N.D.	0.027	N.D.	N.D.	9.0
Spike Conc. Added:	20	1.0	9.5	1300	NA
Conc. Matrix Spike:	16	0.91	8.2	1100	NA
Matrix Spike % Recovery:	80	88	86	85	NA
Conc. Matrix Spike Dup.:	17	0.91	8.1	1100	9.0
Matrix Spike Duplicate % Recovery:	85	88	85	85	NA
Relative % Difference:	6.1	0.0	1.2	0.0	0.0

SEQUOIA ANALYTICAL


Kenneth K.F. Lee
Laboratory Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$



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RECEIVED JAN 31 1992

Roux Associates	Client Project ID: Arco #2162-91-1A/ San Leandro	Sampled: Jan 27, 1992
1855 Gateway Blvd. Suite 770	Sample Descript.: Soil, CS11 A-D	Received: Jan 28, 1992
Concord, CA 94520	Analysis Method: EPA 5030/8015/8020	Analyzed: Jan 28, 1992
Attention: Gregory Murphy	Lab Number: 201-0884	Reported: Jan 29, 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.....	2.0	51
Benzene.....	0.010	0.11
Toluene.....	0.010	N.D.
Ethyl Benzene.....	0.010	0.18
Xylenes.....	0.010	0.95

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



SEQUOIA ANALYTICAL

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

Roux Associates
1855 Gateway Blvd. Suite 770
Concord, CA 94520
Attention: Gregory Murphy

Client Project ID: Arco #2162-91-1A/ San Leandro

QC Sample Group: 201-0884

Reported: Jan 29, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020
Analyst:	K.E.	K.E.	K.E.	K.E.
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date Analyzed:	Jan 28, 1992	Jan 28, 1992	Jan 28, 1992	Jan 28, 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	0.48	0.48	1.5
Matrix Spike % Recovery:	120	120	120	125
Conc. Matrix Spike Dup.:	0.48	0.48	0.48	1.5
Matrix Spike Duplicate % Recovery:	120	120	120	125
Relative % Difference:	0.0	0.0	0.0	0.0

SEQUOIA ANALYTICAL


Kenneth K.F. Lee
Laboratory Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$



SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520
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Roux Associates	Client Project ID: Arco/#2162-91-1A	Sampled: Jan 31, 1992
1855 Gateway Blvd, Suite 770	Matrix Descript: Soil	Received: Jan 31, 1992
Concord, CA 94520	Analysis Method: EPA 5030/8015/8020	Analyzed: Jan 31, 1992
Attention: Greg Murphy	First Sample #: 201-1018	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)
201-1018	CS-12	6.2	0.016	0.013	0.016	0.16
201-1019	CS-13	23	0.028	0.066	0.11	0.82

Detection Limits:	2.0	0.010	0.010	0.010	0.010
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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



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Roux Associates	Client Project ID: Arco/#2162-91-1A	Sampled: Jan 31, 1992
1855 Gateway Blvd, Suite 770	Sample Descript: Soil, CS-12	Received: Jan 31, 1992
Concord, CA 94520	Analysis for: STLC Lead	Extracted: Feb 1, 1992
Attention: Greg Murphy	First Sample #: 201-1018	Analyzed: Feb 3, 1992
		Reported: Feb 3, 1992

LABORATORY ANALYSIS FOR: STLC Lead

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L
201-1018	CS-12	0.0050	0.071

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

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Kenneth K.F. Lee
Laboratory Manager

20110188.RRR <2>



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Roux Associates
1855 Gateway Blvd, Suite 770
Concord, CA 94520
Attention: Greg Murphy

Client Project ID: Arco/#2162-91-1A

QC Sample Group: 2011018-019

Reported: Feb 3, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes	STLC Lead
Method:	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA 7421
Analyst:	K.E./K.N./J.F.	K.E./K.N./J.F.	K.E./K.N./J.F.	K.E./K.N./J.F.	K. Anderson
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/L
Date Analyzed:	Jan 31, 1992	Jan 31, 1992	Jan 31, 1992	Jan 31, 1992	Feb 3, 1992
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	201-0944
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	0.072
Spike Conc. Added:	0.40	0.40	0.40	1.2	0.50
Conc. Matrix Spike:	0.42	0.43	0.46	1.4	0.43
Matrix Spike % Recovery:	105	107	1158	116	72
Conc. Matrix Spike Dup.:	0.40	0.41	0.41	1.3	0.47
Matrix Spike Duplicate % Recovery:	100	102	102	108	80
Relative % Difference:	4.8	4.8	11	7.4	8.9

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Kenneth K.F. Lee
Laboratory Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$



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RECEIVED FEB 18 1992

Roux Associates
1855 Gateway Blvd, Suite 770
Concord, CA 94520
Attention: Greg Murphy

Client Project ID: Arco/ #2162-91-1A
Matrix Descript: Soil
Analysis Method: EPA 5030/8015/8020
First Sample #: 202-0427

Sampled: Feb 12, 1992
Received: Feb 12, 1992
Analyzed: Jan 12, 1992
Reported: Feb 13, 1992

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

Sample Number	Sample Description	Low/Medium B.P.	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl	Xylenes mg/kg (ppm)
		Hydrocarbons mg/kg (ppm)			Benzene mg/kg (ppm)	
202-0427	CS-14 (A-D)	190	0.24	0.96	0.88	9.2
202-0428	CS-15 (A-D)	110	0.10	0.39	0.35	3.5

Detection Limits:	10	0.050	0.050	0.050	0.050
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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



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Roux Associates
1855 Gateway Blvd, Suite 770
Concord, CA 94520
Attention: Greg Murphy

Client Project ID: Arco/ #2162-91-1A

QC Sample Group: 202-0427

Reported: Feb 13, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020
Analyst:	K.E./K.N./J.F.	K.E./K.N./J.F.	K.E./K.N./J.F.	K.E./K.N./J.F.
Reporting Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Date Analyzed:	Feb 12, 1992	Feb 12, 1992	Feb 12, 1992	Feb 12, 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:	0.38	0.38	0.40	1.2
Matrix Spike % Recovery:	95	95	100	100
Conc. Matrix Spike Dup.:	0.38	0.39	0.42	1.2
Matrix Spike Duplicate % Recovery:	95	98	105	100
Relative % Difference:	0.0	2.6	4.8	0.0

SEQUOIA ANALYTICAL

Kenneth K.F. Lee
Laboratory Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$



SEQUOIA ANALYTICAL

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

Roux Associates
1855 Gateway Blvd., Ste 770
Concord, CA 94520
Attention: Greg Murphy

Client Project ID: #2162-91-1A, Arco
Matrix Descript: Soil
Analysis Method: EPA 5030/8015/8020
First Sample #: 202-3355

Sampled: Feb 21, 1992
Received: Feb 21, 1992
Analyzed: Feb 22, 1992
Reported: Feb 25, 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)
202-3355	CSA14, (A-D)	57	N.D.	0.055	0.12	0.61
202-3356	CSA15, (A-D)	45	N.D.	0.070	0.068	0.91

Detection Limits:	2.5	0.013	0.013	0.013	0.013
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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

Maile A. Springer
Maile A. Springer
Project Manager



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

Roux Associates
1855 Gateway Blvd., Ste 770
Concord, CA 94520
Attention: Greg Murphy

Client Project ID: #2162-91-1A, Arco
Matrix Descript: Soil
Analysis Method: EPA 5030/8015/8020
First Sample #: 202-3357

Sampled: Feb 21, 1992
Received: Feb 21, 1992
Analyzed: Feb 23, 1992
Reported: Feb 25, 1992

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

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons	Benzene	Toluene	Ethyl Benzene	Xylenes
		mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
202-3357	CS16, (A-D)	N.D.	N.D.	N.D.	N.D.	N.D.
202-3358	CS17, (A-D)	16	0.058	0.024	0.082	0.38

Detection Limits:	1.0	0.0050	0.0050	0.0050	0.0050
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Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maile A. Springer
Maile A. Springer
Project Manager



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680 Chesapeake Drive • Redwood City, CA 94063
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Roux Associates
1340 Arnold Drive, Suite 231
Martinez, CA 94553
Attention: Greg Murphy

Client Project ID: Arco, #2162
Sample Descript: Soil Composite, CSA 16
Lab Number: 202-3557

Sampled: Feb 21, 1992
Received: Feb 21, 1992
Extracted: Feb 25, 1992
Reported: Feb 27, 1992

INORGANIC PERSISTENT AND BIOACCUMULATIVE TOXIC SUBSTANCES

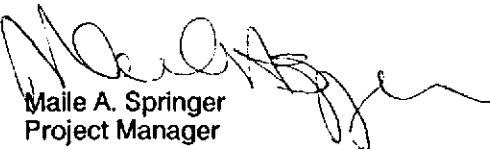
Soluble Threshold Limit Concentration
Waste Extraction Test

Total Threshold Limit Concentration

Analyte	STLC Max. Limit (mg/L)	Detection Limit (mg/L)	Analysis Result (mg/L)	TTLT Max. Limit (mg/kg)	Detection Limit (mg/kg)	Analysis Result (mg/kg)
Antimony	15	0.10	-	500	5.0	-
Arsenic	5.0	0.10	-	500	5.0	-
Barium	100	0.10	-	10,000	5.0	-
Beryllium	0.75	0.010	-	75	0.50	-
Cadmium	1.0	0.010	-	100	0.50	-
Chromium (VI)	5.0	0.0050	-	500	0.050	-
Chromium (III)	560	0.010	-	2,500	0.50	-
Cobalt	80	0.050	-	8,000	2.5	-
Copper	25	0.010	-	2,500	0.50	-
Lead	5.0	0.0050	0.044	1,000	5.0	-
Mercury	0.20	0.00020	-	20	0.010	-
Molybdenum	350	0.050	-	3,500	2.5	-
Nickel	20	0.050	-	2,000	2.5	-
Selenium	1.0	0.10	-	100	5.0	-
Silver	5.0	0.010	-	500	0.50	-
Thallium	7.0	0.10	-	700	5.0	-
Vanadium	24	0.050	-	2,400	2.5	-
Zinc	250	0.010	-	5,000	0.50	-
Asbestos	-	10	-	10,000	100	-
Fluoride	180	0.10	-	18,000	1.0	-

TTLT results are reported as mg/kg of wet weight. Asbestos results are reported as fibers/g.
Analytes reported as N.D. were not present above the stated limit of detection.

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Maile A. Springer
Project Manager

202-3557.RRR <1>



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Roux Associates
1340 Arnold Drive, Suite 231
Martinez, CA 94553
Attention: Greg Murphy

Client Project ID: Arco, #2162

QC Sample Group: 202-3557

Reported: Feb 27, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	Lead (STLC)
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Method: EPA 239.2
 Analyst: S.Chin
 Reporting Units: mg/L
 Date Analyzed: Feb 27, 1992
 QC Sample #: 202-3642

Sample Conc.: 0.077

Spike Conc. Added: 10

Conc. Matrix Spike: 9.5

Matrix Spike % Recovery: 94

Conc. Matrix Spike Dup.: 9.3

Matrix Spike Duplicate % Recovery: 92

Relative % Difference: 2.1

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 Project Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$



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Roux Associates
1855 Gateway Blvd., Ste 770
Concord, CA 94520
Attention: Greg Murphy

Client Project ID: #2162-91-1A, Arco
Sample Descript: Soil, CS 14 (A-D)
Lab Number: 202-3355

Sampled: Feb 21, 1992
Received: Feb 21, 1992
Extracted: Feb 24, 1992
Reported: Feb 26, 1992

INORGANIC PERSISTENT AND BIOACCUMULATIVE TOXIC SUBSTANCES

Soluble Threshold Limit Concentration
Waste Extraction Test

Total Threshold Limit Concentration

Analyte	STLC	Detection	Analysis	TTL	Detection	Analysis
	Max. Limit (mg/L)	Limit (mg/L)	Result (mg/L)	Max. Limit (mg/kg)	Limit (mg/kg)	Result (mg/kg)
Antimony	15	0.10	-	500	5.0	-
Arsenic	5.0	0.10	-	500	5.0	-
Barium	100	0.10	-	10,000	5.0	-
Beryllium	0.75	0.010	-	75	0.50	-
Cadmium	1.0	0.010	-	100	0.50	-
Chromium (VI)	5.0	0.0050	-	500	0.050	-
Chromium (III)	560	0.010	-	2,500	0.50	-
Cobalt	80	0.050	-	8,000	2.5	-
Copper	25	0.010	-	2,500	0.50	-
Lead	5.0	0.10	0.71	1,000	5.0	-
Mercury	0.20	0.00020	-	20	0.010	-
Molybdenum	350	0.050	-	3,500	2.5	-
Nickel	20	0.050	-	2,000	2.5	-
Selenium	1.0	0.10	-	100	5.0	-
Silver	5.0	0.010	-	500	0.50	-
Thallium	7.0	0.10	-	700	5.0	-
Vanadium	24	0.050	-	2,400	2.5	-
Zinc	250	0.010	-	5,000	0.50	-
Asbestos	-	10	-	10,000	100	-
Fluoride	180	0.10	-	18,000	1.0	-

TTL results are reported as mg/kg of wet weight. Asbestos results are reported as fibers/g.
Analytes reported as N.D. were not present above the stated limit of detection.

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Maile A. Springer
Project Manager



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Roux Associates
1855 Gateway Blvd., Ste 770
Concord, CA 94520
Attention: Greg Murphy

Client Project ID: #2162-91-1A, Arco

QC Sample Group: 202-3355

Reported:

QUALITY CONTROL DATA REPORT

ANALYTE	Lead (STLC)
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Method: EPA 200.7
 Analyst: M.Mistry
 Reporting Units: mg/L
 Date Analyzed: Feb 26, 1992
 QC Sample #: 202-1708

Sample Conc.: N.D.

Spike Conc.
Added: 10

Conc. Matrix
Spike: 10

Matrix Spike
% Recovery: 100

Conc. Matrix
Spike Dup.: 10

Matrix Spike
Duplicate
% Recovery: 100

Relative
% Difference: 0.0

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Maile A. Springer
Project Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$



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680 Chesapeake Drive • Redwood City, CA 94063
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Roux Associates
1855 Gateway Blvd.
Concord, CA 94520
Attention: Paul Supple

Project: Arco, #2162

Enclosed are the results from 2 soil samples received at Sequoia Analytical on March 23, 1992. The requested analyses are listed below:

2033760	Soil, CS-18	3/23/92	Lead (STLC) EPA 5030/8015/8020
2033761	Soil, CS-19	3/23/92	EPA 5030/8015/8020

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

SEQUOIA ANALYTICAL


Maile A. Springer
Project Manager



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

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

Client Project ID: Arco, #2162
Matrix Descript: Soil
Analysis Method: EPA 5030/8015/8020
First Sample #: 203-3760

Sampled: Mar 23, 1992
Received: Mar 23, 1992
Analyzed: Mar 24, 1992
Reported: Mar 26, 1992

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

Sample Number	Sample Description	Low/Medium B.P.	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl	Xylenes mg/kg (ppm)
		Hydrocarbons mg/kg (ppm)			Benzene mg/kg (ppm)	
203-3760	CS-18	19	N.D.	0.013	0.035	0.12
203-3761	CS-19	40	0.0090	N.D.	0.14	0.84

Detection Limits:

1.0

0.0050

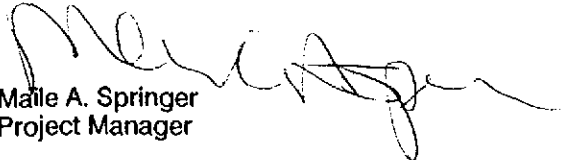
0.0050

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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Maile A. Springer
Project Manager

2033760.RRR <1>



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(415) 364-9600 • FAX (415) 364-9233

Roux Associates	Client Project ID: Arco, #2162	Sampled: Mar 23, 1992
1855 Gateway Blvd.	Sample Descript: Soil, CS-18	Received: Mar 23, 1992
Concord, CA 94520	Lab Number: 203-3760	Extracted: Mar 24, 1992
Attention: Paul Supple		Reported: Mar 26, 1992

INORGANIC PERSISTENT AND BIOACCUMULATIVE TOXIC SUBSTANCES

Soluble Threshold Limit Concentration
Waste Extraction Test

Total Threshold Limit Concentration

Analyte	STLC	Detection	Analysis	TTL	Detection	Analysis
	Max. Limit (mg/L)	Limit (mg/L)	Result (mg/L)	Max. Limit (mg/kg)	Limit (mg/kg)	Result (mg/kg)
Antimony	15	0.10	-	500	5.0	-
Arsenic	5.0	0.10	-	500	5.0	-
Barium	100	0.10	-	10,000	5.0	-
Beryllium	0.75	0.010	-	75	0.50	-
Cadmium	1.0	0.010	-	100	0.50	-
Chromium (VI)	5.0	0.0050	-	500	0.050	-
Chromium (III)	560	0.010	-	2,500	0.50	-
Cobalt	80	0.050	-	8,000	2.5	-
Copper	25	0.010	-	2,500	0.50	-
Lead	5.0	0.0050	0.17	1,000	5.0	-
Mercury	0.20	0.00020	-	20	0.010	-
Molybdenum	350	0.050	-	3,500	2.5	-
Nickel	20	0.050	-	2,000	2.5	-
Selenium	1.0	0.10	-	100	5.0	-
Silver	5.0	0.010	-	500	0.50	-
Thallium	7.0	0.10	-	700	5.0	-
Vanadium	24	0.050	-	2,400	2.5	-
Zinc	250	0.010	-	5,000	0.50	-
Asbestos	-	10	-	10,000	100	-
Fluoride	180	0.10	-	18,000	1.0	-

TTL results are reported as mg/kg of wet weight. Asbestos results are reported as fibers/g.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL


Maile A. Springer
Project Manager



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

Client Project ID: Arco, #2162

QC Sample Group: 2033760 - 61

Reported: Mar 26, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes	Lead (STLC)
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 239.2
Analyst:	C.Donohue	C.Donohue	C.Donohue	C.Donohue	S.Chin
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/L
Date Analyzed:	Mar 24, 1992	Mar 24, 1992	Mar 24, 1992	Mar 24, 1992	Mar 26, 1992
QC Sample #:	GBLK032492	GBLK032492	GBLK032492	GBLK032492	203-3752
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	0.021
Spike Conc. Added:	0.20	0.20	0.20	0.60	1.0
Conc. Matrix Spike:	0.20	0.20	0.21	0.60	0.84
Matrix Spike % Recovery:	110	100	105	100	82
Conc. Matrix Spike Dup.:	0.22	0.21	0.21	0.62	0.86
Matrix Spike Duplicate % Recovery:	110	105	105	103	84
Relative % Difference:	0.0	4.9	0.0	3.3	2.4

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Project Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$

2033760.RRR <3>



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

RECEIVED APR 2 1992 *PS*

Roux Associates	Client Project ID: Arco/ 2162/91-1A	Sampled: Mar 27, 1992
1855 Gateway Blvd, Suite 770	Sample Descript.: Soil, CS-20 (A-D)	Received: Mar 27, 1992
Concord, CA 94520	Analysis Method: EPA 5030/8015/8020	Analyzed: Mar 27, 1992
Attention: Paul Supple	Lab Number: 203-1421	Reported: Mar 31, 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.....	2.0	8.5
Benzene.....	0.010	N.D.
Toluene.....	0.010	0.013
Ethyl Benzene.....	0.010	0.011
Xylenes.....	0.010	0.045

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



SEQUOIA ANALYTICAL

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

Client Project ID: Arco/ 2162/91-1A
Sample Descript: Soil, CS-20 (A-D)
Lab Number: 203-1421

Sampled: Mar 27, 1992
Received: Mar 27, 1992
Extracted: Mar 28, 1992
Analyzed: Mar 30, 1992
Reported: Mar 31, 1992

LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L
STLC Lead.....	0.0050	0.11

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

SEQUOIA ANALYTICAL

Kenneth K.F. Lee
Laboratory Manager



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(510) 686-9600 • FAX (510) 686-9689

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

Client Project ID: Arco/ 2162/91-1A

QC Sample Group: 203-1421

Reported: Mar 31, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes	STLC Lead
Method:	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA 7421
Analyst:	K.E./K.N./J.F.	K.E./K.N./J.F.	K.E./K.N./J.F.	K.E./K.N./J.F.	K. Anderson
Reporting Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/L
Date Analyzed:	Mar 27, 1992	Mar 27, 1992	Mar 27, 1992	Mar 27, 1992	Mar 30, 1992
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	0.40	0.40	0.40	1.2	1.0
Conc. Matrix Spike:	0.40	0.39	0.43	1.3	1.0
Matrix Spike % Recovery:	100	98	108	108	100
Conc. Matrix Spike Dup.:	0.37	0.37	0.42	1.2	1.1
Matrix Spike Duplicate % Recovery:	93	93	105	100	110
Relative % Difference:	7.8	5.3	2.4	8.0	9.5

SEQUOIA ANALYTICAL


Kenneth K.F. Lee
Laboratory Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$

2031421.RRR <3>



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
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Roux Associates 1855 Gateway Blvd., Ste 770 Concord, CA 94520 Attention: Greg Murphy	Client Project ID: Arco, #2162 Matrix Descript: Soil Analysis Method: EPA 5030/8015/8020 First Sample #: 203-1653	Sampled: Mar 10, 1992 Received: Mar 10, 1992 Analyzed: Mar 10, 1992 Reported: Mar 13, 1992
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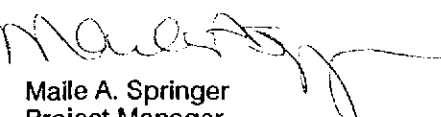
TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
203-1653	CSA-2, (A-D)	30	N.D.	N.D.	0.045	0.40

Detection Limits:	5.0	0.025	0.025	0.025	0.025
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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


Maile A. Springer
Project Manager

2031653.RRR <1>



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(415) 364-9600 • FAX (415) 364-9233

Roux Associates
1855 Gateway Blvd., Ste 770
Concord, CA 94520
Attention: Greg Murphy

Client Project ID: Arco, #2162
Sample Descript: Soil, CSA-2, (A-D)
Lab Number: 203-1653

Sampled: Mar 10, 1992
Received: Mar 10, 1992
Extracted: Mar 11, 1992
Reported: Mar 13, 1992

INORGANIC PERSISTENT AND BIOACCUMULATIVE TOXIC SUBSTANCES

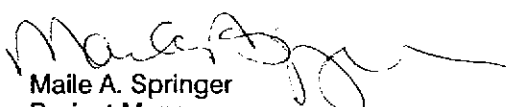
Soluble Threshold Limit Concentration
Waste Extraction Test

Total Threshold Limit Concentration

Analyte	STLC Max. Limit (mg/L)	Detection Limit (mg/L)	Analysis Result (mg/L)	TTL Max. Limit (mg/kg)	Detection Limit (mg/kg)	Analysis Result (mg/kg)
Antimony	15	0.10	-	500	5.0	-
Arsenic	5.0	0.10	-	500	5.0	-
Barium	100	0.10	-	10,000	5.0	-
Beryllium	0.75	0.010	-	75	0.50	-
Cadmium	1.0	0.010	-	100	0.50	-
Chromium (VI)	5.0	0.0050	-	500	0.050	-
Chromium (III)	560	0.010	-	2,500	0.50	-
Cobalt	80	0.050	-	8,000	2.5	-
Copper	25	0.010	-	2,500	0.50	-
Lead	5.0	0.0050	0.13	1,000	5.0	-
Mercury	0.20	0.00020	-	20	0.010	-
Molybdenum	350	0.050	-	3,500	2.5	-
Nickel	20	0.050	-	2,000	2.5	-
Selenium	1.0	0.10	-	100	5.0	-
Silver	5.0	0.010	-	500	0.50	-
Thallium	7.0	0.10	-	700	5.0	-
Vanadium	24	0.050	-	2,400	2.5	-
Zinc	250	0.010	-	5,000	0.50	-
Asbestos	-	10	-	10,000	100	-
Fluoride	180	0.10	-	18,000	1.0	-

TTL results are reported as mg/kg of wet weight. Asbestos results are reported as fibers/g.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL


Maile A. Springer
Project Manager



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Roux Associates
1855 Gateway Blvd., Ste 770
Concord, CA 94520
Attention: Greg Murphy

Client Project ID: Arco, #2162

QC Sample Group: 203-1653

Reported: Mar 13, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes	Lead (STLC)
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 239.2
Analyst:	E.Cunanan	E.Cunanan	E.Cunanan	E.Cunanan	S.Chin
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/L
Date Analyzed:	Mar 10, 1992	Mar 10, 1992	Mar 10, 1992	Mar 10, 1992	Mar 13, 1992
QC Sample #:	GBLK031092	GBLK031092	GBLK031092	GBLK031092	020-3153
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	0.13
Spike Conc. Added:	0.20	0.20	0.20	0.60	1.0
Conc. Matrix Spike:	0.22	0.21	0.21	0.62	0.90
Matrix Spike % Recovery:	110	105	105	103	77
Conc. Matrix Spike Dup.:	0.22	0.21	0.21	0.63	0.90
Matrix Spike Duplicate % Recovery:	110	105	105	105	77
Relative % Difference:	0.0	0.0	0.0	1.6	0.0

SEQUOIA ANALYTICAL

Maile A. Springer
Project Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$



SEQUOIA ANALYTICAL

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

RECEIVED JAN 17 1992

Roux Associates	Client Project ID: Arco #2162-91-1A/San Leandro	Sampled: Jan 13, 1992
1855 Gateway Blvd. Suite 770	Sample Descript.: Soil, CSA-6(A-D)	Received: Jan 13, 1992
Concord, CA 94520	Analysis Method: EPA 5030/8015/8020	Analyzed: Jan 13, 1992
Attention: Gregory Murphy	Lab Number: 201-0280	Reported: Jan 14, 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	77
Benzene.....	0.0050	0.063
Toluene.....	0.0050	0.13
Ethyl Benzene.....	0.0050	0.27
Xylenes.....	0.0050	2.3

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.

SEQUOIA ANALYTICAL

Kenneth K.F. Lee
Laboratory Manager



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Roux Associates
1855 Gateway Blvd. Suite 770
Concord, CA 94520
Attention: Gregory Murphy

Client Project ID: Arco #2162-91-1A/San Leandro

QC Sample Group: 201-0280

Reported: Jan 14, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020
Analyst:	K.N.	K.N.	K.N.	K.N.
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date Analyzed:	Jan 13, 1992	Jan 13, 1992	Jan 13, 1992	Jan 13, 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:	0.38	0.35	0.36	1.2
Matrix Spike % Recovery:	95	88	90	100
Conc. Matrix Spike Dup.:	0.36	0.35	0.35	1.2
Matrix Spike Duplicate % Recovery:	90	88	88	100
Relative % Difference:	5.4	0.0	2.8	0.0

Laboratory blank contained the following analytes: None Detected

SEQUOIA ANALYTICAL

Kenneth K.F. Lee
Laboratory Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$



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RECEIVED JAN 21 1992

Roux Associates	Client Project ID: Arco #2162-91-1/ San Leandro	Sampled: Jan 15, 1992
1855 Gateway Blvd. Suite 770	Sample Descript.: Soil, CSA-7(A-D)	Received: Jan 15, 1992
Concord, CA 94520	Analysis Method: EPA 5030/8015/8020	Analyzed: Jan 15, 1992
Attention: Gregory Murphy	Lab Number: 201-0369	Reported: Jan 16, 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	150
Benzene.....	0.0050	0.17
Toluene.....	0.0050	0.85
Ethyl Benzene.....	0.0050	0.75
Xylenes.....	0.0050	6.3

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.

SEQUOIA ANALYTICAL

Kenneth K.F. Lee
Laboratory Manager



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Roux Associates
1855 Gateway Blvd. Suite 770
Concord, CA 94520
Attention: Gregory Murphy

Client Project ID: Arco #2162-91-1/ San Leandro

QC Sample Group: 201-0369

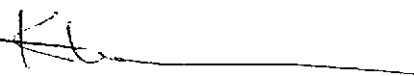
Reported: Jan 16, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
	Method:	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020
Analyst:	K. E.	K. E.	K. E.	K. E.
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date Analyzed:	Jan 14, 1992	Jan 14, 1992	Jan 14, 1992	Jan 14, 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:	0.38	0.39	0.42	1.3
Matrix Spike % Recovery:	95	98	105	108
Conc. Matrix Spike Dup.:	0.38	0.39	0.42	1.3
Matrix Spike Duplicate % Recovery:	95	98	105	108
Relative % Difference:	0.0	0.0	0.0	0.0

Laboratory blank contained the following analytes: None Detected

SEQUOIA ANALYTICAL


Kenneth K.F. Lee
Laboratory Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$



SEQUOIA ANALYTICAL

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Roux Associates	Client Project ID: Arco #2162-91-1A/ San Leandro	Sampled: Jan 21, 1992
1855 Gateway Blvd, Suite 770	Sample Descript.: Soil, CSAA-7(A-D)	Received: Jan 21, 1992
Concord, CA 94520	Analysis Method: EPA 5030/8015/8020	Analyzed: Jan 21, 1992
Attention: Greg Murphy	Lab Number: 201-0569	Reported: Jan 22, 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.....	5.0	41
Benzene.....	0.025	0.033
Toluene.....	0.025	0.096
Ethyl Benzene.....	0.025	0.056
Xylenes.....	0.025	0.60

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



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Roux Associates
1855 Gateway Blvd. Suite 770
Concord, CA 94520
Attention: Gregory Murphy

Client Project ID: Arco #2162-91-1A/ San Leandro

QC Sample Group: 1120331-36

Reported: Jan 21, 1992

QUALITY CONTROL DATA REPORT

ANALYTE

STLC Lead

Method: EPA 7421
Analyst: K. Anderson
Reporting Units: mg/L
Date Analyzed: Jan 21, 1992
QC Sample #: 112-0331

Sample Conc.: 0.20

Spike Conc. Added: 0.50

Conc. Matrix Spike: 0.57

Matrix Spike % Recovery: 74

Conc. Matrix Spike Dup.: 0.59

Matrix Spike Duplicate % Recovery: 78

Relative % Difference: 3.4

SEQUOIA ANALYTICAL


Kenneth K.F. Lee
Laboratory Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$



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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 #2162-91-1A/ San Leandro

QC Sample Group: 201-0569

Reported: Jan 22, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020
Analyst:	K.E.	K.E.	K.E.	K.E.
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date Analyzed:	Jan 21, 1992	Jan 21, 1992	Jan 21, 1992	Jan 21, 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:	0.35	0.38	0.42	1.3
Matrix Spike % Recovery:	88	95	105	108
Conc. Matrix Spike Dup.:	0.36	0.38	0.42	1.3
Matrix Spike Duplicate % Recovery:	90	95	105	108
Relative % Difference:	2.8	0.0	0.0	0.0

SEQUOIA ANALYTICAL


Kenneth K.F. Lee
Laboratory Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$



SEQUOIA ANALYTICAL

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RECEIVED DEC 30 1991

Roux Associates
1350 Arnold Drive, Suite 201
Martinez, CA 94553
Attention: Greg Murphy

Client Project ID: 2162-91-1A
Sample Descript: Soil, CS-1A-D
Analysis Method: See below
Lab Number: 1120329

Sampled: Dec 9, 1991
Received: Dec 10, 1991
Reported: Dec 23, 1991

STATIC ACUTE HAZARDOUS WASTE BIOASSAY

Static
Cont. Flow

Screening
Definitive

Species: Pimephales promelas
Common Name: Fat Head Minnow
Mean length: 37.0 mm
Mean weight: 0.61 g
Supplier: Sticklebacks Unlimited
Acclimation Temp.: 20.0 degrees C

Organisms/Tank: 10
Replicates: 2
Organisms/Conc.: 20
Tank Depth: 13 cm
Tank Volume: 10 L

Dilution Water: Synthetic Freshwater

Control
1000 ppm
320 ppm
100 ppm

Alkalinity, mg/L		Hardness, mg/L	
Initial	Final	Initial	Final
33.0	33.0	48.0	49.0
34.0	38.0	51.0	55.0
34.0	37.0	49.0	62.0
33.0	37.0	56.0	69.0

DATE	Initial	24 Hr	48 Hr	72 Hr	96 Hr
	12/17/91	12/18/91	12/19/91	12/20/91	12/21/91

	DO	C	pH	DO	C	pH	# M	DO	C	pH	# M	DO	C	pH	# M	DO	C	pH	# M	Total
	mg/L	Temp	Units	mg/L	Temp	Units	Dead	mg/L	Temp	Units	Dead	mg/L	Temp	Units	Dead	mg/L	Temp	Units	Dead	Dead
Control	9.0	20	7.2	8.6	20	7.3	0	8.4	20	7.4	0	8.5	20	7.5	0	7.6	18	7.3	0	0
100 ppm	7.9	20	7.2	7.5	20	7.2	0	7.6	20	7.3	0	7.9	20	7.3	0	8.1	18	7.3	0	0
180 ppm	8.2	20	7.3	7.9	20	7.3	0	7.7	20	7.3	0	7.8	20	7.3	0	7.2	18	7.4	0	0
320 ppm	7.9	20	7.3	7.6	20	7.3	0	7.8	20	7.3	0	7.8	20	7.2	0	7.9	18	7.3	0	0
560 ppm	8.3	20	7.3	8.1	20	7.3	0	8.1	20	7.3	0	8.2	20	7.3	0	8.2	18	7.4	0	0
1000 ppm	8.6	20	7.4	8.4	20	7.4	0	8.5	20	7.4	0	8.6	20	7.3	0	8.4	18	7.4	0	0

LC-50: > 1000 ppm

LC-50 Calculation Method: Moving average angle

Remarks:

Analyst: R. Geckler

Method Reference: Static Acute Bioassay Procedures for Hazardous Waste Samples, September 1987, California Department of Fish and Game WPCL



SEQUOIA ANALYTICAL

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(510) 686-9600 • FAX (510) 686-9689

Roux Associates
1350 Arnold Drive, Suite 201
Martinez, CA 94553
Attention: Greg Murphy

Client Project ID: 2162-91-1A
Sample Descript: Soil, CS-1A-D
Analysis Method: See below
Lab Number: 1120329 (duplicate)

Sampled: Dec 9, 1991
Received: Dec 10, 1991
Reported: Dec 23, 1991

STATIC ACUTE HAZARDOUS WASTE BIOASSAY

Static
Cont. Flow

Species: Pimephales promelas
Common Name: Fat Head Minnow
Mean length: 37.0 mm
Mean weight: 0.61 g
Supplier: Sticklebacks Unlimited
Acclimation Temp.: 20.0 degrees C

Organisms/Tank: 10
Replicates: 2
Organisms/Conc.: 20
Tank Depth: 13 cm
Tank Volume: 10 L

Screening
Definitive

Dilution Water: Synthetic Freshwater

Control
1000 ppm
320 ppm
100 ppm

Alkalinity, mg/L		Hardness, mg/L	
Initial	Final	Initial	Final
33.0	33.0	48.0	49.0
34.0	39.0	49.0	54.0
33.0	38.0	51.0	61.0
34.0	38.0	56.0	68.0

DATE	Initial	24 Hr	48 Hr	72 Hr	96 Hr
	12/17/91	12/18/91	12/19/91	12/20/91	12/21/91

	DO	C	pH	DO	C	pH	# M	DO	C	pH	# M	DO	C	pH	# M	DO	C	pH	# M	Total Dead
	mg/L	Temp	Units	mg/L	Temp	Units	Dead	mg/L	Temp	Units	Dead	mg/L	Temp	Units	Dead	mg/L	Temp	Units	Dead	
Control	9.0	20	7.2	8.6	20	7.3	0	8.4	20	7.4	0	8.5	20	7.5	0	7.6	18	7.3	0	0
100 ppm	8.2	20	7.3	7.9	20	7.3	0	7.9	20	7.2	0	7.9	20	7.2	0	8.0	18	7.3	0	0
180 ppm	8.2	20	7.3	7.9	20	7.3	0	8.1	20	7.3	0	8.2	20	7.3	0	8.3	18	7.4	0	0
320 ppm	8.7	20	7.4	8.5	20	7.4	0	8.7	20	7.4	0	8.7	20	7.4	0	8.6	18	7.3	0	0
560 ppm	8.4	20	7.4	8.2	20	7.4	0	8.4	20	7.3	0	8.5	20	7.3	0	8.4	18	7.3	0	0
1000 ppm	8.6	20	7.4	8.4	20	7.4	0	8.6	20	7.4	0	8.7	20	7.4	0	8.6	18	7.4	0	0

LC-50: > 1000 ppm

LC-50 Calculation Method: Moving average angle

Remarks: _____

Analyst: R. Geckler

Method Reference: Static Acute Bioassay Procedures for Hazardous Waste Samples, September 1987, California Department of Fish and Game WPCL

SEQUOIA ANALYTICAL


Kenneth K.F. Lee
Laboratory Manager



SEQUOIA ANALYTICAL

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Roux Associates	Client Project ID: Arco/ #2162-91-A	Sampled: Dec 9, 1991
1350 Arnold Drive, Suite 201	Sample Descript: CS-1, A-D	Relogged: Dec 12, 1991
Martinez, CA 94553		Analyzed: 12/12-12/17/91
Attention: Greg Murphy	Lab Number: 112-0329 AD	Reported: Dec 20, 1991

CORROSIVITY, IGNITABILITY, AND REACTIVITY

Analyte	Detection Limit	Sample Results
Corrosivity:		
pH.....	N.A.	9.0
Ignitability:		
Flashpoint (Pensky-Martens), °C.....	N.A.	> 100 °C
Reactivity:		
Sulfide, mg/kg.....	10	N.D.
Cyanide, mg/kg.....	0.50	N.D.
Reaction with water.....	N.A.	Negative

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

SEQUOIA ANALYTICAL

Kenneth K.F. Lee
Laboratory Manager

APPENDIX C

Chain-of-Custody Documentation Forms

ARCO Facility no. 2162	City (Facility) San Leandro	Project manager (Consultant) Greg Murphy	Laboratory name Sequoia
ARCO engineer Chuck Cornell	Telephone no. (ARCO)	Telephone no. (Consultant) 602-2333	Contract number
Consultant name ROXX	Address (Consultant)		

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH - G EPA 1632/8020/8015	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	Semi Metals VOA <input type="checkbox"/> VOA <input type="checkbox"/>	CAM Metals EPA 8010/7000 TLLC <input type="checkbox"/> STLC <input type="checkbox"/>	Lead Org./DHS <input type="checkbox"/> Lead EPA 7420/7421 <input type="checkbox"/>			
			Soil	Water	Other	Ice	Acid																
L-1	1		x			x		2/4/92	1355		x												
L-2	1		x			x			1411		x												
L-3	1		x			x			1426		x												
L-4	1		x			x			1436		x												
L-5	1		x			x			1458		x												
L-6	1		x			x			1510		x												
L-7	1		x			x			1515		x												

Method of shipment
Delivered

Special detection Limit/reporting

Special QA/QC

Remarks

Lab number

Turnaround time
Priority Rush 1 Business Day

Rush 2 Business Days
Expedited 5 Business Days
Standard 10 Business Days

Condition of sample:				Temperature received:			
Relinquished by sampler <i>Gregory Murphy</i>	Date 2/6	Time 10:10 AM	Received by <i>Van Stambrook</i>				
Relinquished by	Date	Time	Received by				
Relinquished by	Date	Time	Received by laboratory	Date	Time		

ARCO Facility no. **2162** City (Facility) **SAN LEANDRO** Project manager (Consultant) **Greg Murphy**
 ARCO engineer **Chuck Carmel** Telephone no. (ARCO) _____ Telephone no. (Consultant) **510/370-2275** Fax no. (Consultant) **510/370-2235**
 Consultant name **ROUX ASSOCIATES** Address (Consultant) **1350 Arnold Dr., Suite 201, Martinez, CA**

Laboratory name **Sequoia**
 Contract number _____

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX EPA 801/802	BTEX TPH EPA 801/802/803	TPH Modified 801 Gas Diesel	Oil and Grease 413.1 413.2	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 824/8240	EPA 625/8270	POL Metals VOA	Semi VOA	CAM Metals EPA 601/7000 TTLC STLC	Lead Org. JHS	Lead EPA 7420/7421	
			Soil	Water	Other	Ice	Acid																
CS-1A-D			X			X		12/9/91	1240	X							1120	329	AD				
CS-2A-D			X			X		12/9/91	1245	X								330					
CS-3A-D			X			X		12/9/91	1250	X								331					
CS-4A-D			X			X		12/9/91	1255	X								332					
CS-5A-D			X			X		12/9/91	1300	X								333					
CS-6A-D			X			X		12/9/91	1305	X								334					
CS-7A-D			X			X		12/9/91	1310	X								335					
CS-8A-D			X			X		12/9/91	1315	X								336					
CS-9A-D			X			X		12/9/91	1320	X								337					
CS-10A-D			X			X		12/9/91	1325	X								338					

Method of shipment **Laboratory pick up**

Special detection limit/reporting

Special QA/QC

Remarks

Lab number

Turnaround time

Priority Rush 1 Business Day

Rush 2 Business Days

Expedited 5 Business Days

Standard 10 Business Days

Condition of sample: **Packed on ice** Temperature received: _____

Relinquished by sampler: **Jonathan Holz** Date: **12/10/91** Time: **9:25AM** Received by: **Van Stambrook**

Relinquished by _____ Date _____ Time _____ Received by _____

Relinquished by _____ Date _____ Time _____ Received by laboratory _____ Date _____ Time _____

ARCO Facility no. **2162** City (Facility) **San Leandro** Project manager (Consultant) **Greg Murphy** Laboratory name:
 ARCO engineer **Chuck Carmel** Telephone no. (ARCO) **510-571-2434** Telephone no. (Consultant) **510-602-2333** Fax no. (Consultant) **510-687-1258** Contract number:
 Consultant name **Rocix/Linda Min** Address (Consultant) **1855 Waterway Blvd #770, Concord 94520**

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH EPA M602/8020/8015	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/SMS503E	EPA 601/6010	EPA 624/6240	EPA 625/6270	TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	Semi Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	C/M Metals EPA 601/07000 TLC <input type="checkbox"/> STLC <input type="checkbox"/>	Lead Org IDHS <input type="checkbox"/> Lead EPA <input type="checkbox"/> 7420/7421 <input type="checkbox"/>	Method of shipment	
			Soil	Water	Other	Ice	Acid																
CS11AD		4	X			X				X													

Special detection Limit/reporting

Special QA/QC

Remarks

Lab number

Turnaround time

Priority Rush 1 Business Day

Rush 2 Business Days

Expedited 5 Business Days

Standard 10 Business Days

Condition of sample: _____ Temperature received: _____

Relinquished by sampler Linda Min Date 1/28 Time 7:35 Received by Amy Tuzon

Relinquished by _____ Date _____ Time _____ Received by _____

Relinquished by _____ Date _____ Time _____ Received by laboratory 1/28/92 Date 1/28/92 Time 7:35

ARCO Facility no. **2162** City (Facility) **San Leandro** Project manager (Consultant) **Greg Murphy**
 ARCO engineer **Chuck Carmel** Telephone no. (ARCO) **571-2463** Telephone no. (Consultant) **602-2333** Fax no. (Consultant)
 Consultant name _____ Address (Consultant) _____

Laboratory name **Sequesta**
 Contract number _____

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH EPA 1602/8020/8015	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	Semi Metals <input type="checkbox"/> VOA <input type="checkbox"/>	CAM Metals EPA 6010/7000 TTLC <input type="checkbox"/> STLC <input type="checkbox"/>	Lead Org./DHS <input type="checkbox"/> Lead EPA 7420/7421 <input type="checkbox"/>	STLC Lead		
			Soil	Water	Other	Ice	Acid																	
CS-12(A-D)			X				1/31/92	1515		X														
CS-13(A-D)			X				1/31/92	1530		X														

Method of shipment **Pickup**

Special detection Limit/reporting

Special QA/QC

Remarks

Lab number

Turnaround time
 Priority Rush 1 Business Day
 Rush 2 Business Days
 Expedited 5 Business Days
 Standard 10 Business Days

Condition of sample: _____ Temperature received: _____

Relinquished by sampler **Greg Murphy** Date **1/31/92** Time **1540h** Received by **[Signature]** **3:40 PM 1-31-92**

Relinquished by _____ Date _____ Time _____ Received by laboratory _____ Date _____ Time _____

ARCO Facility no. **2162** City (Facility) **SAN LEONORO** Project manager (Consultant) **GREGORY MURPHY**
 ARCO engineer **CHUCK CARMEL** Telephone no. (ARCO) _____ Telephone no. (Consultant) **602-2333** Fax no. (Consultant) _____
 Consultant name **Roux Assoc.** Address (Consultant) _____

Laboratory name
Sequoia
 Contract number

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX 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	TCMP Metals	Semi Metals VOA VOA	CAM Metals EPA 601/07000 TLG STL	Lead Org./DHS Lead EPA 7420/7421		
			Soil	Water	Other	Ice	Acid																
CS-14 (A-D)		4	X			X		2/12/92	0900	X													
CS-15 (A-D)		4	X			X		2/12/92	0900	X													

Method of shipment
Pickup

Special detection Limit/reporting

Special QA/QC

Remarks

Lab number

Turnaround time
 Priority Rush
 1 Business Day

Condition of sample:				Temperature received:			
Relinquished by sampler <i>Gregory Murphy</i>		Date 2/12/92	Time 1630Z	Received by <i>Don B...f</i>		Date 2-12-92	Time 4:00 PM
Relinquished by		Date	Time	Received by		Date	Time
Relinquished by		Date	Time	Received by laboratory		Date	Time

Rush 2 Business Days
 Expedited 5 Business Days
 Standard 10 Business Days

ARCO Facility no. **2162** City (Facility) **San Leandro** Project manager (Consultant) **Greg Murphy**
 ARCO engineer **Chuck Cornell** Telephone no. (ARCO) Telephone no. (Consultant) **602-2333** Fax no. (Consultant)
 Consultant name **Rox Assoc.** Address (Consultant) **1855 GATEWAY BLVD, SUITE 770, CONCORD, CA 94520**

Laboratory name **Sequoia**
 Contract number

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH EPA 1602/8020/8015	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	Semi Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	CAM Metals EPA 8210/7000 TTL <input type="checkbox"/> STL <input type="checkbox"/>	Lead Org./DHS <input type="checkbox"/> Lead EPA 7420/7421 <input type="checkbox"/>	STLC X PB	
			Soil	Water	Other	Ice	Acid																
CSA-14 (A-D)	4	4	X			X		2/21/92	11:50	X													X
CSA-15 (A-D)	4	4	X			X		2/21/92	12:25	X													
CS-16 (A-D)	4	4	X			X		2/21/92	12:30	X													
CS-17 (A-D)	4	4	X			X		2/21/92	13:35	X													

Method of shipment
HAND

Special detection Limit/reporting

Special QA/QC

Remarks

Lab number

Turnaround time
 Priority Rush 1 Business Day
 Rush 2 Business Days
 Expedited 5 Business Days
 Standard 10 Business Days

Condition of sample: Temperature received:
 Relinquished by sampler **John T. O'Connell** Date **2/21/92** Time **1818** Received by **A. Vager**
 Relinquished by Date Time Received by
 Relinquished by Date Time Received by laboratory Date Time

ARCO Products Company

Division of AtlanticRichfieldCompany

Order No. **2162-91-1A**

Chain of Custody

COPY

ARCO Facility no. 2162	City (Facility)	Project manager (Consultant) PAUL SUPPLE	Laboratory name SEQUOIA
ARCO engineer Chuck CAMEL	Telephone no. (ARCO)	Telephone no. (Consultant) (600)-602-2333	Contract number

Consultant name **ROUX ASSOCIATES** Address (Consultant) **1855 GATEWAY BLVD. CONCORD**

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH EPA M602/8020/8015	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	Semi Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	CWA Metals EPA 6010/7000 TTL <input type="checkbox"/> STL <input type="checkbox"/>	Lead Org./DHS <input type="checkbox"/> Lead EPA 7420/7421 <input type="checkbox"/>	STLC LEAD	Method of shipment HAND			
			Soil	Water	Other	Ice	Acid																			
CS-18AD	4		Y			Y	3/23/92	5:45		X															Special detection Limit/reporting	
CS-19AD	4		X			X	3/23/92	6:00		X				2033760												
																									Special QA/QC	
																										Remarks
																									Lab number	
																										Turnaround time

Condition of sample:				Temperature received:			
Retinquished by sampler <i>Frank O'Connell</i>	Date 3/23	Time 1915	Received by	Date	Time	Received by	Received by laboratory
Retinquished by	Date	Time	Received by	Date	Time	Received by laboratory	Date
Retinquished by	Date	Time	Received by laboratory	Date	Time	Received by laboratory	Date

Priority Rush 1 Business Day	<input type="checkbox"/>
Rush 2 Business Days	<input checked="" type="checkbox"/>
Expedited 5 Business Days	<input type="checkbox"/>
Standard 10 Business Days	<input type="checkbox"/>

ARCO Facility no. 2162 City (Facility) SAN LEANORO Project manager (Consultant) PAUL SUPPLE
 ARCO engineer CHUCK CARMEL Telephone no. (ARCO) 571-2434 Telephone no. (Consultant) 510-602-2333 Fax no. (Consultant)
 Consultant name ROUX ASSOCIATES Address (Consultant) SUITE 770, 1855 GATEWAY BLVD, CONCORD

Laboratory name
SEQUOIA
 Contract number

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH EPA 1602/8020/8015	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/SM503E	EPA 801/8010	EPA 824/8240	EPA 825/8270	TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	Semi Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	CAM Metals EPA 8010/7000 ITLC <input type="checkbox"/> STLC <input type="checkbox"/>	Lead Org./DHS Lead EPA 7420/7421 <input type="checkbox"/>	STLC LEAD.	
			Soil	Water	Other	Ice	Acid																
<u>05-20(A-D)</u>	<u>4</u>	<u>X</u>	<u>X</u>			<u>X</u>		<u>3/27/92</u>	<u>3:40</u>		<u>X</u>		<u>2031421AD</u>										<u>X</u>

Method of shipment
HAND

Special detection Limit/reporting

Special QA/QC

Remarks

Lab number

Turnaround time
 Priority Rush 1 Business Day
 Rush 2 Business Days
 Expedited 5 Business Days
 Standard 10 Business Days

Condition of sample: Temperature received:
 Relinquished by sampler Frank O'Connell Date 3/27 Time 5⁰⁰ PM Received by Vern Van Santborck
 Relinquished by _____ Date _____ Time _____ Received by _____
 Relinquished by _____ Date _____ Time _____ Received by laboratory _____ Date _____ Time _____

ARCO Facility no. 2162	City (Facility) San Leandro	Project manager (Consultant) Greg Murphy	Laboratory name Sequoia
ARCO engineer Chuck Carmel	Telephone no. (ARCO)	Telephone no. (Consultant) 602-2333	Contract number
Consultant name Rouse Assoc.	Address (Consultant)		

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH - 6 EPA M602/6020/8015	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/SM603E	EPA 801/8010	EPA 624/8240	EPA 625/8270	TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	CAM Metals EPA 6010/7000 TTLC <input type="checkbox"/> STLC <input type="checkbox"/>	Lead Org./DHS <input type="checkbox"/> Lead EPA 7420/7421 <input type="checkbox"/>	Method of shipment Pick-up	Special detection Limit/reporting	Special QA/QC	Remarks			
			Soil	Water	Other	Ice	Acid																				
CSA-6(A-D)			X			X		1/13/92	0730		X																

Condition of sample:				Temperature received:			
Relinquished by sample Greg Murphy	Date 1-13-92	Time 10:00 AM	Received by Walter B. King				
Relinquished by	Date	Time	Received by				
Relinquished by	Date	Time	Received by laboratory	Date 1-13-92	Time 1000h	Standard 10 Business Days	<input type="checkbox"/>

ARCO Facility no. 2162	City (Facility) San Leandro	Project manager (Consultant) Greg Murphy	Laboratory name Sequoia
ARCO engineer Chuck Cornuel	Telephone no. (ARCO) _____	Telephone no. (Consultant) 602-2833	Contract number 07073
Consultant name Roux Associates		Address (Consultant) _____	Method of shipment HAND.

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH EPA M602/8020/8015	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/>	Semi Metals <input type="checkbox"/> VOA <input type="checkbox"/>	CMA Metals EPA 601/7000 TLC <input type="checkbox"/> STLC <input type="checkbox"/>	Lead Org./DHS <input type="checkbox"/> Lead EPA 7420/7421 <input type="checkbox"/>	STLC Lead	Special detection Limit/reporting		
			Soil	Water	Other	Ice	Acid																		
CSA-2(A-D)	4	X	X			X		3/10/92	11:45		X												X		

Condition of sample: Good			Temperature received: Cool		
Relinquished by sampler John O'Connell	Date 3/10	Time 4:30	Received by		
Relinquished by	Date	Time	Received by		
Relinquished by	Date	Time	Received by laboratory Jim [Signature]	Date 3/10	Time 4:30 pm

ARCO Products Company

Division of AtlanticRichfieldCompany

Task Order No.

2162 - 91 - 1

Chain of Custody

ARCO Facility no.

2162

City
(Facility)

San Leandro

Project manager
(Consultant)

Greg Murphy

ARCO engineer

Chuck Cornuel

Telephone no.
(ARCO)

Telephone no.
(Consultant)

602-2333

Fax no.
(Consultant)

Consultant name

Ray HSSOZ

Address
(Consultant)

Laboratory name

Sequoia

Contract number

Method of shipment

Drop off

Special detection
Limit/reporting

Special QA/QC

Remarks

Lab number

Turnaround time

Priority Rush
1 Business Day

Rush
2 Business Days

Expedited
5 Business Days

Standard
10 Business Days

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH - 6 EPA 1632/8020/8015	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	Semi Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	CAMP Metals EPA 6010/7000 TTLC <input type="checkbox"/> STLC <input type="checkbox"/>	Lead Org./DHS <input type="checkbox"/> Lead EPA 7420/7421 <input type="checkbox"/>																			
			Soil	Water	Other	Ice	Acid																																	
CSA-7(A-D)			X					1/15/92	0820		X																													

Condition of sample:

Temperature received:

Relinquished by sampler

Date 1/15/92 Time 0930

Received by Ver Van Stank

Relinquished by

Date Time

Received by

Relinquished by

Date Time

Received by laboratory

Date

Time

Greg Murphy
Ray HSSOZ

ARCO Facility no. 2162	City (Facility) <i>Geats</i> San Leandro	Project manager (Consultant) Greg Murphy	Laboratory name Segovia
ARCO engineer Chuck Carmel	Telephone no. (ARCO)	Telephone no. (Consultant) 602-2333	Contract number
Consultant name ROX ASSOC.	Address (Consultant)		

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX EPA 8020	BTEX/TPH EPA M602/6020/8015	TPH Modified 8015 Gas Diesel	Oil and Grease 413.1 413.2	TPH EPA 418.1/SM60E	EPA 601/8010	EPA 824/8240	EPA 625/8270	TCLP Metals VOA	Semi Metals VOA	CAM Metals EPA 6010/7000 TTLC STLC	Lead Org./DHS Lead EPA 7420/7421	Method of shipment	Special detection Limit/reporting	
			Soil	Water	Other	Ice	Acid																	Pickup
CSAA-7(A-0)			X			X		1/21/92	0730	X													2010569AD	

Condition of sample:	Temperature received:	Priority Rush 1 Business Day <input checked="" type="checkbox"/>
Relinquished by sampler <i>Bryan J. Murphy</i>	Date 1/21/92 Time 1330L	Rush 2 Business Days <input type="checkbox"/>
Received by <i>Wm Van Stambrook</i>	Date	Expedited 5 Business Days <input type="checkbox"/>
Relinquished by	Date	Standard 10 Business Days <input type="checkbox"/>
Received by laboratory	Date	
Date	Time	

APPENDIX D

Soil Disposal Documentation

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No. -

BFI Waste Code C A 4 0 5 0 1 2 3 9 2 S R 1 1 2 Containers Type

Description of Waste	Quantity	Units	No.	Type
NON HAZARDOUS SOIL	0 0 0 1 8	Y	0 1	T

- Type
- D - Drum
- C - Carton
- B - Bag
- 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 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 DIM JESTES FOR ARCO Signature [Signature] Date 0 1 2 4 9 2

TRANSPORTER

Truck No. 3 Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) LARRY MCGUIRE
 Address P. O. Box 218 Vehicle License No./State 2X61336
Byron, California 94544 Vehicle Certification 206031

I 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 [Signature] Shipment Date 0 1 2 4 9 2 Driver Signature [Signature] Delivery Date 0 1 2 4 9 2

DESTINATION

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.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date 0 1 2 4 9 2

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No. -

BFI Waste Code C A 4 0 5 0 1 2 3 9 2 Description of Waste NON HAZARDOUS SOIL
 Containers S R 1 1 2 Quantity 0 0 0 1 8 Units Y No. 0 Type T
 Type: D - Drum, C - Carton, B - Bag, 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 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.

JIM JESIES FOR ARCO Signature [Signature] Shipment Date 0 1 2 4 9 2
 Generator Authorized Agent Name

TRANSPORTER

Truck No. 3 Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) HARRY McGUIRE
 Address P. O. Box 218 Vehicle License No./State 2V61336
Byron, California 94544 Vehicle Certification 206031

I 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.

[Signature] 0 1 2 4 9 2 [Signature] 0 1 2 4 9 2
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

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., 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.

[Signature] 0 1 2 4 9 2
 Name of Authorized Agent Signature Receipt Date

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo, Ca. 94402 San Leandro, CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No.

BFI Waste Code C A 4 0 5 0 1 2 3 9 2 Containers S R 1 1 2
 Description of Waste NON HAZARDOUS SOIL
 Quantity 0 0 0 1 8 Units Y No. 0 / Type T
 Type
 D - Drum
 C - Carton
 B - Bag
 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 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.

JIM JESTES FOR ARCO [Signature] 01 24 92
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. 3 Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) LARRY MCGUIRAN
 Address P. O. Box 218 Vehicle License No./State 2XG1336
Byron, California 94544 Vehicle Certification 906031

I 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.

[Signature] 01 24 92 [Signature] 01 24 92
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

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., 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.

[Signature] 01 24 92
 Name of Authorized Agent Signature Receipt Date

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo, Ca. 94402 San Leandro, CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No. -

3FI Waste Code	<u>C A</u>	<u>4 0 5</u>	<u>0 1 2 3 9 2</u>	<u>S R 1 1 2</u>	Containers	Type				
	Description of Waste				Quantity	Units	No.	Type		
	NON HAZARDOUS SOIL				<u>0 0 0 1 8</u>	<u>Y</u>	<u>0 /</u>	<u>T</u>		

- D - Drum
- C - Carton
- B - Bag
- 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 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 Jim JESTES FOR ARCO Signature [Signature] Shipment Date 012492

TRANSPORTER

Truck No. 3 Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) LARRY MCGUIGAN
 Address P. O. Box 218 Vehicle License No./State 2Y61336
Byron, California 94544 Vehicle Certification 206031

I 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 [Signature] Shipment Date 012492 Driver Signature [Signature] Delivery Date 012492

DESTINATION

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., 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.

Name of Authorized Agent MRP Signature [Signature] Receipt Date 012492

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No.

BFI Waste Code C A 4 0 5 0 1 2 3 9 2 S R 1 1 2 Containers Type

Description of Waste	Quantity		Units	No.	Type
	0	0	Y	0	T
NON HAZARDOUS SOIL	0	0	Y	0	T
	0	0			
	0	0			

- D - Drum
- C - Carton
- B - Bag
- 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 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.

JIM JESTES FOR ARCO [Signature] 0 1 2 4 9 2
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) DONALD JENSEN
 Address P. O. Box 218 Vehicle License No./State 1285121
Byron, California 94544 Vehicle Certification 300807

I 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.

[Signature] 0 1 2 4 9 2 [Signature] 0 1 2 4 9 2
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

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., 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.

[Signature] 0 1 2 4 9 2
 Name of Authorized Agent Signature Receipt Date

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 5 7 1 2 4 3 4 Phone No.

3FI Waste Code C A 4 0 5 0 1 2 3 9 2 S R 1 1 2 Containers
 Description of Waste NON HAZARDOUS SOIL Quantity 0 0 0 1 8 Units Y No. 0 Type T
 Type
 D - Drum
 C - Carton
 B - Bag
 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 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.

JIM JESITES FOR ARCO [Signature] 0 1 2 4 9 2
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. 8 Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) DONALD JENSEN
 Address P. O. Box 218 Vehicle License No./State 1Z 851F1
Byron, California 94544 Vehicle Certification 300 807

I 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.

[Signature] 0 1 2 4 9 2
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

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., 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.

[Signature] [Signature]
 Name of Authorized Agent Signature Receipt Date

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo, Ca. 94402 San Leandro, CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No.

BFI Waste Code	Description of Waste	Quantity	Units	Containers	
				No.	Type
<u>C A 4 0 5 0 2 0 3 9 2</u>	<u>NON HAZARDOUS SOIL</u>	<u>0 0 0 1 8</u>	<u>Y</u>	<u>0 1</u>	<u>T</u>

- Type
 D - Drum
 C - Carton
 B - Bag
 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 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 SUM JESTES For ARCO Signature [Signature] Shipment Date 0 2 0 5 9 2

TRANSPORTER

Truck No. Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) RON HEIN SR
 Address P. O. Box 218 Vehicle License No./State 2K60924
Byron, California 94544 Vehicle Certification 301 803

I 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 [Signature] Shipment Date 0 2 0 5 9 2 Driver Signature [Signature] Delivery Date 0 2 0 5 9 2

DESTINATION

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., 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.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date 0 2 0 5 9 2

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo, Ca. 94402 San Leandro, CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No. -

BFI Waste Code C A 4 0 5 0 2 0 3 9 2 2 6 9 0 2 Containers Type
 Description of Waste NON HAZARDOUS SOIL Quantity 0 0 0 1 8 Units Y No. 0 1 Type T
 Legend: D - Drum, C - Carton, B - Bag, 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 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 NIM ARSIES FOR ARCO Signature [Signature] Shipment Date 0 2 0 5 9 2

TRANSPORTER

Truck No. Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) RON HEINER
 Address P. O. Box 218 Vehicle License No./State 2K160924
Byron, California 94544 Vehicle Certification 300813

I 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 [Signature] Shipment Date 0 2 0 5 9 2 Driver Signature [Signature] Delivery Date 0 2 0 5 9 2

DESTINATION

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.. 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.

Name of Authorized Agent Signature [Signature] Receipt Date 0 2 0 5 9 2

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No. -

BFI Waste Code C A 4 0 5 0 2 0 3 9 2 2 6 9 0 2 Containers Type
 Description of Waste NON HAZARDOUS SOIL Quantity 0 0 0 1 8 Units Y No. 0 1 Type T

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 Jim JESTES FOR ARCO Signature *Jim Jestes* Shipment Date 0 2 0 5 9 2

TRANSPORTER

Truck No. Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) RON HEIN SR
 Address P. O. Box 218 Vehicle License No./State 2K60924
Byron, California 94544 Vehicle Certification 300813

I 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 *Ron Hein* Shipment Date 0 2 0 5 9 2 Driver Signature *Ron Hein* Delivery Date 0 2 0 5 9 2

DESTINATION

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., 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.

Name of Authorized Agent Signature *[Signature]* Receipt Date 0 2 0 5 9 2

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARLO PRODUCTS Generating Location ARLO STATION # 2162
 Address P.O. Box 5811 Address 15135 MESDERIAN BLVD.
SAN MATEO, CA 94402 SAN LEANDRO CA

Phone No. 415-5212434 Phone No.

BFI Waste Code	<u>KA</u>	<u>405</u>	<u>020372</u>	<u>36902</u>	Containers	Type
	Description of Waste			Quantity	Units	No. Type
	<u>NON HAZARDOUS SOIL</u>			<u>00018</u>	<u>Y</u>	<u>01 T</u>

- D - Drum
- C - Carton
- B - Bag
- 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 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 Jim Vestes For ARLO Signature [Signature] Shipment Date 020592

TRANSPORTER

Truck No. Phone No. 510-634-6650
 Transporter Name DILLARD TRUCKING INC 1001/N Driver Name (Print) RON HEIN, SR.
 Address PO BOX 218 Vehicle License No./State 2V60924
BYRON, CA 94544 Vehicle Certification 300813

I 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 [Signature] Shipment Date 020592 Driver Signature [Signature] Delivery Date 020592

DESTINATION

Site Name B.F.I. VASCO ROAD LANDFILL Phone No. 510-4420491
 Address 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.

Name of Authorized Agent Signature [Signature] Receipt Date 020592

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 5 7 1 2 4 3 4 Phone No.

BFI Waste Code C A 4 0 5 0 2 0 3 9 2 2 6 9 0 2 Containers Type
 Description of Waste NON HAZARDOUS SOIL Quantity 0 0 0 1 8 Units Y No. 0 / Type T
 Quantity Units No. Type
 Quantity Units No. Type

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.

Jim Jester for ARCO [Signature] 020592
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. 1648 Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) Douglas Stephens
 Address P. O. Box 218 Vehicle License No./State 2242015
Byron, California 94544 Vehicle Certification 300821

I 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.

[Signature] 020592 [Signature] 020592
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

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.

[Signature] 020592
 Name of Authorized Agent Signature Receipt Date

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No. -
 BFI Waste Code C A 4 0 5 0 2 0 3 9 2 2 6 9 0 2 Containers

Description of Waste
NON HAZARDOUS SOIL

Quantity	Units	No.	Type
<u>0 0 0 1 8</u>	<u>Y</u>	<u>0 /</u>	<u>T</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

- Type
 D - Drum
 C - Carton
 B - Bag
 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 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 Jim Jester For ARCO Signature [Signature] Shipment Date 020592

TRANSPORTER

Truck No. 1648 Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) Douglas Stephen
 Address P. O. Box 218 Vehicle License No./State 37421015
Byron, California 94544 Vehicle Certification 300821

I 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 [Signature] Shipment Date 020592 Driver Signature [Signature] Delivery Date 020592

DESTINATION

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., 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.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date 020592

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARLO PRODUCTS Generating Location ARLO STATION # 2162
 Address P.O. Box 511 Address 15135 Hesperian Blvd
SAN MATEO CA 94402 SAN LEANDRO CA

Phone No. 415-571-2434 Phone No. 909-441-1111

3FI Waste Code	<u>KA</u>	<u>405</u>	<u>020392</u>	<u>26902</u>	Quantity	Units	Containers No.	Containers Type
Description of Waste								
<u>NON HAZARDOUS SOIL</u>					<u>00018</u>	<u>Y</u>	<u>01</u>	<u>T</u>

- Type
- D - Drum
- C - Carton
- B - Bag
- 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 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 Jim Vestes for Arlo Signature [Signature] Shipment Date 020592

TRANSPORTER

Truck No. 11048 Phone No. 510-634-6850
 Transporter Name DILLARD TRUCKING INC 1001/71 Driver Name (Print) DOUGLAS STEPHENS
 Address P.O. BOX 218 Vehicle License No./State 3242015
BYRON CA 94544 Vehicle Certification 300821

I 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 [Signature] Shipment Date 020592 Driver Signature [Signature] Delivery Date 020592

DESTINATION

Site Name BFI UASCO ROAD LANDFILL Phone No. 510-447-0491
 Address 4001 NORTH UASCO 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.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date 020592

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 415-571-2434 Phone No.

BFI Waste Code	<u>C</u> <u>A</u>	<u>4</u> <u>0</u> <u>5</u>	<u>0</u> <u>2</u> <u>2</u> <u>5</u> <u>9</u> <u>2</u>	<u>2</u> <u>6</u> <u>9</u> <u>0</u> <u>2</u>	Containers	Type				
	Description of Waste				Quantity	Units	No.	Type		
	NON HAZARDOUS SOIL				<u>0</u> <u>0</u> <u>0</u> <u>1</u> <u>8</u>	<u>Y</u>	<u>0</u>	<u>T</u>		

- D - Drum
- C - Carton
- B - Bag
- 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 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 Jim Jesters For ARCO Signature [Signature] Shipment Date 02 26 92

TRANSPORTER

Truck No. 555 (Goodwin) Phone No. 510-654-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) JOHN M. GOODWIN
 Address P. O. Box 218 Vehicle License No./State 2T07368 CA
Byron, California 94544 Vehicle Certification 301399

I 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.

Generator Signature [Signature] Shipment Date 02 26 92 Driver Signature [Signature] Delivery Date 02 26 92

DESTINATION

Site Name B.F.I. Vasco Road Landfill Phone No. 510-447-0491
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.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date 02 26 92

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No.

BFI Waste Code	<u>C A</u>	<u>4 0 5</u>	<u>0 2 2 5 9 2</u>	<u>2 6 9 0 2</u>	Containers	Type
Description of Waste				Quantity	Units	No.
<u>NON HAZARDOUS SOIL</u>				<u>0 0 0 1 8</u>	<u>Y</u>	<u>0</u>
				<u> </u>	<u> </u>	<u> </u>
				<u> </u>	<u> </u>	<u> </u>

- D - Drum
- C - Carton
- B - Bag
- 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 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.

JIM JUSTES FOR ARCO [Signature] 0 2 2 6 9 2
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. 555 (Goodwin) Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) John M. Goodwin
 Address P. O. Box 218 Vehicle License No./State 2T07368 CA
Byron. California 94544 Vehicle Certification 301399

I 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.

[Signature] 0 2 2 6 9 2 [Signature] 0 2 2 6 9 2
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

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.

[Signature] 0 2 2 6 9 2
 Name of Authorized Agent Signature Receipt Date

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo, Ca. 94402 San Leandro, CA

Phone No. 4 1 5 5 7 1 2 4 3 4 Phone No.

BFI Waste Code	<u>C A</u>	<u>4 0 5</u>	<u>0 2 2 5 9 2</u>	<u>2 6 9 0 2</u>	Containers	Type		
Description of Waste					Quantity	Units	No.	Type
NON HAZARDOUS SOIL					<u>0 0 0 1 8</u>	<u>Y</u>	<u>0 1</u>	<u>T</u>
					<u> </u>	<u> </u>	<u> </u>	<u> </u>
					<u> </u>	<u> </u>	<u> </u>	<u> </u>

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 Jim Justice for ARCO Signature [Signature] Shipment Date 0 2 2 6 9 2

TRANSPORTER

Truck No. 555 (Goodwin) Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) John M. Goodwin
 Address P. O. Box 218 Vehicle License No./State 2T07368 CA
Byron, California 94544 Vehicle Certification 301399

I 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 [Signature] Shipment Date 0 2 2 6 9 2 Driver Signature [Signature] Delivery Date 0 2 2 6 9 2

DESTINATION

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., 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.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date 0 2 2 6 9 2

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo, Ca. 94402 San Leandro, CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No. -

BFI Waste Code	<u>C A</u>	<u>4 0 5</u>	<u>0 2 2 5 9 2</u>	<u>2 6 9 0 2</u>	Containers	Type
Description of Waste	<u>NON HAZARDOUS SOIL</u>			Quantity	Units	No. Type
				<u>0 0 0 1 8</u>	<u>Y</u>	<u>0 / T</u>

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 Jim JESSES FOR ARCO Signature [Signature] Shipment Date 02 26 92

TRANSPORTER

Truck No. 555 (Goodwin) Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) JOHN M. Goodwin
 Address P. O. Box 218 Vehicle License No./State 2T07368 CA
Byron, California 94544 Vehicle Certification 301399

I 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 [Signature] Shipment Date 02 26 92 Driver Signature [Signature] Delivery Date 02 26 92

DESTINATION

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., 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.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date 02 26 92

PASS CODE _____



Waste Systems™

No. 795262

DOWNING-FERRIS INDUSTRIES

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products ARCO Station #2162
Address P. O. Box 5811 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 415-571-2434 Phone No. []-[]-[]-[]-[]

Table with BFI Waste Code (CA405022792), Description of Waste (NON HAZARDOUS SOIL), Quantity (00018), Units (Y), No. (01), and Type (T). Includes a legend for container types: D-Drum, C-Carton, B-Bag, 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 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: SIM JOSTES FOR ARCO. Signature: [Handwritten]. Shipment Date: 022892

TRANSPORTER

Truck No. [] Phone No. 510-634-6850
Transporter Name: Dillard Trucking, Inc. 1001/71 Driver Name (Print): Mike OBRIS
Address: P. O. Box 218 Byron, California 94544 Vehicle License No./State: 248685
Vehicle Certification: 214700

I 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: [Handwritten] Shipment Date: 022892 Driver Signature: [Handwritten] Delivery Date: 022892

DESTINATION

Site Name: B.F.I. Vasco Road Landfill Phone No. 510-447-0491
Address: 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.

Name of Authorized Agent: [Handwritten] Signature: [Handwritten] Receipt Date: 022892

PASS CODE

TRANSPORTER RETAIN

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo, Ca. 94402 San Leandro, CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No. -

BFI Waste Code C A 4 0 5 0 2 2 7 9 2 2 6 9 0 2 Containers Type
 Description of Waste NON HAZARDOUS SOIL Quantity 0 0 0 1 8 Units Y No. 0 Type T
 D - Drum
 C - Carton
 B - Bag
 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 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 Jim Vesjes For ARCO Signature [Signature] Shipment Date 02 28 92

TRANSPORTER

Truck No. Phone No. 510-634-8850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) Mike O'Brien
 Address P. O. Box 218 Vehicle License No./State 2H85685 CA
Byron, California 94544 Vehicle Certification 214700

I 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 [Signature] Shipment Date 02 28 92 Driver Signature [Signature] Delivery Date 02 28 92

DESTINATION

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., 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.

Name of Authorized Agent Signature [Signature] Receipt Date 02 28 92

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No. -

BFI Waste Code	<u>C</u> <u>A</u>	<u>4 0 5</u>	<u>0 2 2 7 9 2</u>	<u>2 6 9 0 2</u>	Containers	Type		
Description of Waste					Quantity	Units	No.	Type
NON HAZARDOUS SOIL					<u>0 0 0 1 8</u>	<u>Y</u>	<u>0 1</u>	<u>T</u>
					<u> </u>	<u> </u>	<u> </u>	<u> </u>
					<u> </u>	<u> </u>	<u> </u>	<u> </u>

- D - Drum
- C - Carton
- B - Bag
- 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 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 John Vestes for ARCO Signature [Signature] Shipment Date 02 21 92

TRANSPORTER

Truck No. Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) MIKE OBLISID
 Address P. O. Box 218 Vehicle License No./State 2H8568 4
Byron, California 94544 Vehicle Certification 214700

I 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 [Signature] Shipment Date 02 28 92 Driver Signature [Signature] Delivery Date 02 28 92

DESTINATION

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., 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.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date [Signature]

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 5 7 1 2 4 3 4 Phone No.

BFI Waste Code	Description of Waste	Quantity	Units	No.	Type	Containers	Type
<u>C A</u> <u>4 0 5</u> <u>0 2 2 7 9 2</u> <u>2 6 9 0 2</u>	<u>NON HAZARDOUS SOIL</u>	<u>0 0 0 1 8</u>	<u>Y</u>	<u>0 1</u>	<u>T</u>		<u>D - Drum</u> <u>C - Carton</u> <u>B - Bag</u> <u>T - Truck</u> <u>P - Pounds</u> <u>Y - Yards</u> <u>O - Other</u>

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 M. JESTE FOR ARCO Signature [Signature] Shipment Date 0 2 2 8 9 2

TRANSPORTER

Truck No. Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) MILK O'BRIEN
 Address P. O. Box 218 Vehicle License No./State 2H85685
Byron, California 94544 Vehicle Certification 24700

I 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 [Signature] Shipment Date 0 2 2 8 9 2 Driver Signature [Signature] Delivery Date 0 2 2 8 9 2

DESTINATION

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.

Name of Authorized Agent Signature [Signature] Receipt Date

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No. -

BFI Waste Code C A 4 0 5 0 2 2 7 9 2 2 6 9 0 2 Containers Type
 Description of Waste NON HAZARDOUS SOIL Quantity 0 0 0 1 8 Units Y No. 0 Type T

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.

JIM VESTES FOR ARCO [Signature] 0 2 2 7 9 2
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) MIKE O'BRIEN
 Address P. O. Box 218 Vehicle License No./State 2H85685
Byron, California 94544 Vehicle Certification 24700

I 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.

Mike O'Brien 0 2 2 7 9 2 Mike O'Brien 0 2 2 7 9 2
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

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.

[Signature]
 Name of Authorized Agent Signature Receipt Date

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo, Ca. 94402 San Leandro, CA

Phone No. 415-571-2434 Phone No.

BFI Waste Code CA 405 022792 26902 Containers Type
 Description of Waste NON HAZARDOUS SOIL Quantity 00018 Units Y No. 01 Type T
 D - Drum
 C - Carton
 B - Bag
 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 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 JIM JESTES FOR ARCO Signature [Signature] Shipment Date 022892

TRANSPORTER

Truck No. #10 & #160 Trailer Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) Jack Simmons
 Address P. O. Box 218 Vehicle License No./State 4K17603
Byron, California 94544 Vehicle Certification B300812

I 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 [Signature] Shipment Date 022892 Driver Signature [Signature] Delivery Date 022892

DESTINATION

Site Name B.F.I. Vasco Road Landfill Phone No. 510-447-0491
 Address 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.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 5 7 1 2 4 3 4 Phone No.
 BFI Waste Code C A 4 0 5 0 3 1 3 9 2 2 6 9 0 2 Containers Type
 Description of Waste NON HAZARDOUS SOIL Quantity 0 0 0 1 8 Units Y No. 0 2 Type T
 D - Drum
 C - Carton
 B - Bag
 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 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.

JIM JUSTIS FOR ARCO [Signature] 0 3 1 6 7 2
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) Frank Montgomery
 Address P. O. Box 218 Vehicle License No./State 3401341
Byron, California 94544 Vehicle Certification 300838 300839

I 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.

[Signature] 0 3 1 6 7 2 [Signature] 0 3 1 6 7 2
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

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., 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.

[Signature] [Signature] 0 3 1 6 7 2
 Name of Authorized Agent Signature Receipt Date

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA
 Phone No. 4 1 5 5 7 1 2 4 3 4 Phone No.

BFI Waste Code	Description of Waste	Quantity	Units	Containers		Type
				No.	Type	
<u>C A</u>	<u>NON HAZARDOUS SOIL</u>	<u>0 0 0 1 8</u>	<u>Y</u>	<u>0</u>	<u>T</u>	

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 W. JESIES FOR ARCO Signature [Signature] Shipment Date 03/16/92

TRANSPORTER

Truck No. 555 Phone No. 610-634-6850
 Transporter Name Billard Trucking, Inc. 1001/71 Driver Name (Print) W. M. Gardner
 Address P. O. Box 218 Vehicle License No./State 2702368
Byron, California 94544 Vehicle Certification 301399

I 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 [Signature] Shipment Date 03/16/92 Driver Signature [Signature] Delivery Date 03/16/92

DESTINATION

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.
 Name of Authorized Agent [Signature] Signature [Signature] Receipt Date 03/16/92

PASS CODE _____

TRANSPORTER RETAIN

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No. -

BFI Waste Code C A 4 0 5 0 3 1 3 9 2 2 6 9 0 2 Containers Type
 Description of Waste NON HAZARDOUS SOIL Quantity 0 0 0 1 8 Units Y No. 0 Type T
 Quantity Units No. Type
 Quantity Units No. Type

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.

Jim Vestes For ARCO [Signature] 0 3 1 6 7 2
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. 555 Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) John M. Goodwin
 Address P. O. Box 218 Vehicle License No./State ZTD 7368 CA
Byron, California 94544 Vehicle Certification 301399

I 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.

[Signature] 0 3 1 6 9 2 [Signature] 0 3 1 6 9 2
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

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., 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.

[Signature] 0 3 1 6 9 2
 Name of Authorized Agent Signature Receipt Date

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 5 7 1 2 4 3 4 Phone No.

BFI Waste Code	<u>C</u> <u>A</u>	<u>4</u> <u>0</u> <u>5</u>	<u>0</u> <u>3</u> <u>1</u> <u>3</u> <u>9</u> <u>2</u>	<u>2</u> <u>6</u> <u>9</u> <u>0</u> <u>2</u>	Containers	Type		
Description of Waste					Quantity	Units	No.	Type
<u>NON HAZARDOUS SOIL</u>					<u>0</u> <u>0</u> <u>0</u> <u>1</u> <u>8</u>	<u>Y</u>	<u>0</u> <u>1</u>	<u>T</u>
D - Drum C - Carton B - Bag 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 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.

JIM JUSTIS FOR ARCO Generator Authorized Agent Name
[Signature] Signature
0 3 1 6 9 2 Shipment Date

TRANSPORTER

Truck No. 555 Phone No. 610-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) [Signature]
 Address P. O. Box 218 Vehicle License No./State 2T07369
Byron, California 94544 Vehicle Certification 301399

I hereby certify that the above named material was picked up at the generator site listed above.
[Signature] Driver Signature
03 16 92 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.
[Signature] Driver Signature
03 16 92 Delivery Date

DESTINATION

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.

[Signature] Name of Authorized Agent
[Signature] Signature
03 16 92 Receipt Date

13900
21000
 PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No. -

3FI Waste Code C A 4 0 5 0 3 1 3 9 2 2 6 9 0 2 Containers Type
 Description of Waste NON HAZARDOUS SOIL Quantity 0 0 0 1 8 Units Y No. 0 Type T
 Legend: D - Drum, C - Carton, B - Bag, 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 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 JIM JESIES FOR ARCO Signature [Signature] Shipment Date 03/15/92

TRANSPORTER

Truck No. 355 Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) JOHN GOODWIN
 Address P. O. Box 218 Vehicle License No./State 2107368 CA
Byron. California 94544 Vehicle Certification 301399

I 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 [Signature] Shipment Date 03/16/92 Driver Signature [Signature] Delivery Date 03/16/92

DESTINATION

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., 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.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date 03/16/92

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 5 7 1 2 4 3 4 Phone No.

BFI Waste Code C A 4 0 5 0 3 1 3 9 2 2 6 9 0 2 Containers Type
 Description of Waste NON HAZARDOUS SOIL Quantity 0 0 0 1 8 Units Y No. 0 1 Type T
 Quantity Units No. Type
 Quantity Units No. Type

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.

JIM JESTES FOR ARCO [Signature] 03/16/92
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. 555 Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) D.H.M. GOODWIN
 Address P. O. Box 218 Vehicle License No./State 2T07368 CA
Byron, California 94544 Vehicle Certification 301399

I 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.

[Signature] 03/16/92 [Signature] 03/16/92
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

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., 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.

[Signature] 03/16/92
 Name of Authorized Agent Signature Receipt Date

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No.

BFI Waste Code C A 4 0 5 0 3 2 6 9 2 Containers 2 6 9 0 2
 Description of Waste NON HAZARDOUS SOIL Quantity 0 0 0 1 8 Units Y No. 0 Type 1

Type
 D - Drum
 C - Carton
 B - Bag
 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 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.

JIM JESTES FOR ARCO [Signature] 07 01 92
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) Jack Simmons
 Address P. O. Box 218 Vehicle License No./State AK17603
Byron. California 94544 Vehicle Certification 800300812

I 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.

[Signature] 07 01 92 [Signature] 07 01 92
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

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
 Address

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 07 01 92
 Name of Authorized Agent Signature Receipt Date

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No. -
 3FI Waste Code C A 4 0 5 0 3 2 6 9 2 2 6 9 0 2 Containers
 Description of Waste NON HAZARDOUS SOIL Quantity Units No. Type
0 0 0 1 8 Y 0 / T
 Type
 D - Drum
 C - Carton
 B - Bag
 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 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 JESIE FOR ARCO Signature [Signature] Shipment Date 040192

TRANSPORTER

Truck No. #10 Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) Jack Simmons
 Address P. O. Box 218 Vehicle License No./State 4K17603
Byron, California 94544 Vehicle Certification 300812

I 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 [Signature] Shipment Date 040192 Driver Signature [Signature] Delivery Date 040192

DESTINATION

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., 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.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date [Signature]

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO PRODUCTS Generating Location ARCO STATION # 2162
 Address PO Box 5811 Address 15135 HESPERIAN BLVD
SAN MATEO CA 94402 SAN LEANARD, CA
 Phone No. 415-5712434 Phone No.

3FI Waste Code	<u>KA</u>	<u>405</u>	<u>032</u>	<u>692</u>	<u>26902</u>	Containers	Type D - Drum C - Carton B - Bag T - Truck P - Pounds Y - Yards O - Other	
Description of Waste						Quantity		Units
<u>NON HAZARDOUS SOIL</u>						<u>00018</u>		<u>Y</u>
						<u>01</u>		<u>T</u>

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 Jim Vestis For ARCO Signature [Signature] Shipment Date 040192

TRANSPORTER

Truck No. #10 Phone No. 510-634-6850
 Transporter Name Dillard Trucking Inc 100171 Driver Name (Print) Jack Simmons
 Address PO Box 218 Vehicle License No./State AK17603
BYRON IA 94544 Vehicle Certification 300812

I 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 [Signature] Shipment Date 040192 Driver Signature [Signature] Delivery Date 040192

DESTINATION

Site Name BFI WASTE ROAD LANDFILL Phone No. 510-4470491
 Address 4001 NORTH WASHO 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.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date 4192

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo, Ca. 94402 San Leandro, CA

Phone No. - Phone No. -

BFI Waste Code	Description of Waste	Quantity	Units	Containers No.	Type
<input type="text" value="C"/> <input type="text" value="A"/> <input type="text" value="4"/> <input type="text" value="0"/> <input type="text" value="5"/> <input type="text" value="0"/> <input type="text" value="3"/> <input type="text" value="3"/> <input type="text" value="1"/> <input type="text" value="9"/> <input type="text" value="2"/> <input type="text" value="2"/> <input type="text" value="6"/> <input type="text" value="9"/> <input type="text" value="0"/> <input type="text" value="2"/>	<u>NON HAZARDOUS SOIL</u>	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="1"/> <input type="text" value="8"/>	<input type="text" value="Y"/>	<input type="text" value="0"/> <input type="text" value="1"/>	<input type="text" value="T"/>
		<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
		<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>

Containers Type
 D - Drum
 C - Carton
 B - Bag
 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 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 Jim Vespa for ARCO Signature [Signature] Shipment Date

TRANSPORTER

Truck No. #10 Phone No. 510-634-8850
 Transporter Name Dillard Trucking, Inc. 31001/71 Driver Name (Print) JACK SIMMONS
 Address P. O. Box 218 Vehicle License No./State AK17603
Byron, California 94544 Vehicle Certification 300812

I 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 [Signature] Shipment Date Driver Signature [Signature] Delivery Date

DESTINATION

Site Name B.F.I. Vasco Road Landfill Phone No. -
 Address 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.
 Name of Authorized Agent [Signature] Signature [Signature] Receipt Date

PASS CODE _____

TRANSPORTER RETAIN

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No.

BFI Waste Code	<u>C A</u>	<u>4 0 5</u>	<u>0 3 3 1 9 2</u>	<u>2 6 9 0 2</u>	Containers	Type
Description of Waste	<u>NON HAZARDOUS SOIL</u>			Quantity	Units	No. Type
				<u>0 0 0 1 8</u>	<u>Y</u>	<u>0 / T</u>

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 TIM JESTES FOR ARCO Signature [Signature] Shipment Date 04/01/92

TRANSPORTER

Truck No. Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) RON HEIN JR
 Address P. O. Box 218 Vehicle License No./State 2K60924
Byron, California 94544 Vehicle Certification 300805

I 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 [Signature] Shipment Date 04/01/92 Driver Signature [Signature] Delivery Date 04/01/92

DESTINATION

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., 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.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date 04/01/92

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 5 7 1 2 4 3 4 Phone No.

BFI Waste Code	<u>C</u>	<u>A</u>	<u>4</u>	<u>0</u>	<u>5</u>	<u>0</u>	<u>3</u>	<u>2</u>	<u>6</u>	<u>9</u>	<u>2</u>	<u>2</u>	<u>6</u>	<u>9</u>	<u>0</u>	<u>2</u>	Containers	Type																	
Description of Waste																	Quantity	Units	No.	Type															
<u>NON HAZARDOUS SOIL</u>																	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>8</u>	<u>Y</u>	<u>0</u>	<u>1</u>	<u>T</u>										

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.

JIM VESTES FOR ARCO [Signature] 040192
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) RON HEIN SR
 Address P. O. Box 218 Vehicle License No./State 2K60924
Byron, California 94544 Vehicle Certification 300805

I 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.
[Signature] 040192 [Signature] 040192
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

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
 Address

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
[Signature] 040192
 Name of Authorized Agent Signature Receipt Date

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No.

BFI Waste Code	Description of Waste	Quantity	Units	Containers		Type
				No.	Type	
<u>C A</u> <u>4 0 5</u> <u>0 3 2 6 9 2</u> <u>2 6 9 0 2</u>	<u>NON HAZARDOUS SOIL</u>	<u>0 0 0 1 8</u>	<u>Y</u>	<u>0</u>	<u>T</u>	<u>T</u>

- Type
- D - Drum
- C - Carton
- B - Bag
- 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 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.

Jim Jester for ARCO [Signature] 0 4 0 1 9 2
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. 510-634-6850 Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) ROV HEIN JR
 Address P. O. Box 218 Vehicle License No./State 2K60924
Byron. California 94544 Vehicle Certification 300805

I 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.

[Signature] 0 4 0 1 9 2 [Signature] 0 4 0 1 9 2
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

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.

[Signature] 0 4 0 1 9 2
 Name of Authorized Agent Signature Receipt Date

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARLO PRODUCTS Generating Location ARLO STATION # 2162
 Address P.O. BOX 5811 Address 15135 HESPERIAN BLVD
SAN MATEO CA 94402 SAN LEANDRO CA

Phone No. 415-571-2434 Phone No.

BFI Waste Code	<u>KA</u>	<u>405</u>	<u>032692</u>	<u>26902</u>	Containers	Type		
	Description of Waste				Quantity	Units	No.	Type
	<u>NON HAZARDOUS SOIL</u>				<u>00018</u>	<u>Y</u>	<u>01</u>	<u>1</u>

- Type
- D - Drum
- C - Carton
- B - Bag
- 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 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 JIM JESTES FOR ARLO Signature [Signature] Shipment Date 040192

TRANSPORTER

Truck No. 3 Phone No. 570-634-6850
 Transporter Name DILLARD TRUCKING INC 1001/71 Driver Name (Print) LARRY MCGUIGAN
 Address P.O. BOX 215 Vehicle License No./State 9216 2XG1336
BYRON CA 94544 Vehicle Certification 300871

I 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 [Signature] Shipment Date 040192 Driver Signature [Signature] Delivery Date 040192

DESTINATION

Site Name B.F.J. UASCO ROAD LANDFILL Phone No. 510-447-0491
 Address 4001 NORTH UASCO 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.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date 041088

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No. -
 BFI Waste Code C A 4 0 5 0 3 3 1 9 2 2 6 9 0 2 Containers Type
 Description of Waste Quantity Units No. Type

NON HAZARDOUS SOIL 0 0 0 1 8 Y 0 Y T

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.

JIM JESTES FOR ARCO [Signature] 0 4 0 1 9 2
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. 3 Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) LARRY MCGUIGAN
 Address P. O. Box 218 Vehicle License No./State 2X61338
Byron. California 94544 Vehicle Certification 300811

I 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.

[Signature] 0 4 0 1 9 2 [Signature] 0 4 0 1 9 2
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

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., 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.

[Signature] 0 4 0 1 9 2
 Name of Authorized Agent Signature Receipt Date

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No. -

BFI Waste Code C A 4 0 5 0 3 3 1 9 2 2 6 9 0 2 Containers Type
 Description of Waste NON HAZARDOUS SOIL Quantity 0 0 0 1 8 Units Y No. 0 / Type T
 Description of Waste Quantity Units No. Type
 Description of Waste Quantity Units No. Type

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 M. JESTES FOR ARCO Signature [Signature] Shipment Date 07 01 92

TRANSPORTER

Truck No. 3 Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) LARRY MCGUIGAN
 Address P. O. Box 218 Vehicle License No./State 2X61336
Byron. California 94544 Vehicle Certification 30081

I 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.

Carrier Signature [Signature] Shipment Date 07 01 92 Driver Signature [Signature] Delivery Date 07 01 92

DESTINATION

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.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date 07 01 92

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo, Ca. 94402 San Leandro, CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No.

BFI Waste Code C A 4 0 5 0 3 2 6 9 2 2 6 9 0 2 Containers Type
 Description of Waste: NON HAZARDOUS SOIL Quantity 0 0 0 1 8 Units Y No. 0 Type T
 Description of Waste: Quantity Units No. Type
 Description of Waste: Quantity Units No. Type

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.

JIM JESTES FOR ARCO [Signature] 040192
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. 3 Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) Larry McGuigan
 Address P. O. Box 218 Vehicle License No./State 2X61336
Byron, California 94544 Vehicle Certification 30084

I 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.
[Signature] 040192 [Signature] 040192
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

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., 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.
[Signature] 040192
 Name of Authorized Agent Signature Receipt Date

PASS CODE

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No. -

BFI Waste Code C A 4 0 5 0 3 3 1 9 2 2 6 9 0 2 Containers Type

Description of Waste	Quantity				Units	No.	Type
NON HAZARDOUS SOIL	0	0	0	1	8	Y	0 / T

- Type
- D - Drum
- C - Carton
- B - Bag
- 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 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 JIM JESTES FOR ARCO Signature [Signature] Shipment Date 04 01 92

TRANSPORTER

Truck No. 73 Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) Allen DUTRA
 Address P. O. Box 218 Vehicle License No./State 3A0 8980
Byron, California 94544 Vehicle Certification 213 990

I 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.

Carrier Signature [Signature] Shipment Date 04 01 92 Driver Signature [Signature] Delivery Date 04 01 92

DESTINATION

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.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date 04 01 92

PASS CODE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 4 1 5 - 5 7 1 2 4 3 4 Phone No. -

BFI Waste Code C A 4 0 5 0 3 3 1 9 2 2 6 9 0 2 Containers Type
 Description of Waste NON HAZARDOUS SOIL Quantity 0 0 0 1 8 Units Y No. 0 Type T

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 TIM JESTES FOR ARCO Signature [Signature] Shipment Date 070192

TRANSPORTER

Truck No. 73 Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) Allen PUTRA
 Address P. O. Box 218 Vehicle License No./State 3A09980
Byron. California 94544 Vehicle Certification 213990

I 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 [Signature] Shipment Date 040192 Driver Signature [Signature] Delivery Date 040192

DESTINATION

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. 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.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date 040192

PASS CODE:

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name ARCO Products Generating Location ARCO Station #2162
 Address P. O. Box 5811 Address 15135 Hesperian Blvd.
San Mateo. Ca. 94402 San Leandro. CA

Phone No. 415-571-2434 Phone No.

BFI Waste Code	<u>C</u>	<u>A</u>	<u>4</u>	<u>0</u>	<u>5</u>	<u>0</u>	<u>3</u>	<u>2</u>	<u>6</u>	<u>9</u>	<u>2</u>	<u>2</u>	<u>6</u>	<u>9</u>	<u>0</u>	<u>2</u>	Containers	Type																	
Description of Waste																	Quantity	Units	No.	Type															
NON HAZARDOUS SOIL																	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>8</u>	<u>Y</u>	<u>0</u>	<u>1</u>	<u>T</u>										

- D - Drum
- C - Carton
- B - Bag
- 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 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 JULIESTES FOR ARCO Signature [Signature] Shipment Date 040192

TRANSPORTER

Truck No. 73 Phone No. 510-634-6850
 Transporter Name Dillard Trucking, Inc. 1001/71 Driver Name (Print) Allen Dutra
 Address P. O. Box 218 Vehicle License No./State 3A08980
Byron. California 94544 Vehicle Certification 213990

I 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 [Signature] Shipment Date 040192 Driver Signature [Signature] Delivery Date 040192

DESTINATION

Site Name B.F.I. Vasco Road Landfill Phone No. 510-447-0491
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.

Name of Authorized Agent [Signature] Signature [Signature] Receipt Date 040192

PASS CODE _____

APPENDIX E
Water Disposal Documentation

Please print or type. Form designed for use on elite (12-pitch typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C1A11101010101314161311	Manifest Document No. 01 01 01 01 1	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address ARCO P. O. Box 5811, San Mateo, CA 94402		A. State Manifest Document Number 91509026	
4. Generator's Phone (415) 571-2434/571-2428		B. State Generator's ID H V W 01 31 61 10 11 51 61 61 0	
5. Transporter 1 Company Name H & H Ship Service Company	6. US EPA ID Number C1A110101014171711111610	C. State Transporter's ID 200545	
7. Transporter 2 Company Name	8. US EPA ID Number	D. Transporter's Phone (415) 543-4835	
9. Designated Facility Name and Site Address H & H Ship Service Company 220 China Basin Street San Francisco, CA 94107		E. State Transporter's ID	
10. US EPA ID Number		F. Transporter's Phone	
		G. State Facility's ID 71 01 10 01 01 41 01 71 11 11 11 0	
		H. Facility's Phone	

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	1. Waste Number
	No.	Type			
a. OIL AND WATER NON-PCRA HAZARDOUS WASTE LIQUID	0100	TIT	0.5000	0.5	State EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above FUEL OIL AND WATER PROPERTY #415	K. Handling Codes for Wastes Listed Above a. b. c. d.
--	---

15. Special Handling Instructions and Additional Information
 JOB #9980
 24 Hr. Emergency Contact: H & H # (415) 543-4835
 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR.
 JOB SITE: ARCO STATION, #2102
 16135 Hesperian Blvd.
 San Leandro California

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name GENRAL OF Tom Kallio	Signature 	Month Day Year 01 12 17 19 12
---	---------------	----------------------------------

17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ROBERT V. PETRUCCI	Signature 	Month Day Year 01 12 17 19 12
---	---------------	----------------------------------

18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature	Month Day Year
---	-----------	----------------

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name	Signature	Month Day Year
---	-----------	----------------

DO NOT WRITE BELOW THIS LINE.

GENERATOR
TRANSPORTER
FACILITY
IN CALIFORNIA
USE NUMBER 1-800-880-8802
CALL 1-800-880-7550

Please print or type. Form designed for use on elite (12-pitch typewriter).

GENERATOR
TRANSPORTER
FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A L 0 0 0 0 3 4 6 3 1	Manifest Document No. 0 0 0 0 2	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address P. O. Box 5811, San Mateo, CA 94402			A. State Manifest Document Number 91509027		
4. Generator's Phone (415) 571-2434/571-2428			B. State Generator's ID H Y H O 3 5 1 0 1 5 4 6 0		
5. Transporter 1 Company Name H & H Ship Service Company		6. US EPA ID Number C A D 0 0 4 7 7 1 1 6 8		C. State Transporter's ID 208545	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (415) 543-4835	
9. Designated Facility Name and Site Address 220 China Basin Street San Francisco, CA 94107		10. US EPA ID Number C A L 0 0 4 7 7 1 1 6 8		E. State Facility's ID 1 2 1 1 0 4 7 7 1 1 6 8	
				F. Facility's Phone (415) 543-4835	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit Wt/Vol
a. OIL AND WATER NON-FLAM HAZARDOUS WASTE LIQUID		No. Type		0 1 5 1 0 4 1 0	G
13. Additional Descriptions for Materials Listed Above PURE OIL AND WATER PROPERTY 4015		K. Handling Codes for Wastes Listed Above			
		a. 01		b.	
		c.		d.	
15. Special Handling Instructions and Additional Information JOB #9920 JOB SITE: ARCO STATION, #3162 24 Hr. Emergency Contact: H & H #(415) 543-4835 15135 Hesperian Blvd. APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR. San Leandro, California					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Sam Bahler		Signature <i>Sam Bahler</i>		Month Day Year 0 1 2 7 9 2	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ROBERT V. PETRUCCI		Signature <i>Robert V. Petrucci</i>		Month Day Year 0 1 2 7 9 2	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name		Signature		Month Day Year	

DO NOT WRITE BELOW THIS LINE.

Please print or type. Form designed for use on elite (12-pitch typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1

Information in the shaded areas is not required by Federal law.

CA1E1010101314161311

010101016

of 1

91509033

3. Generator's Name and Mailing Address

ARCO
P. O. Box 5811, San Mateo, CA 94402

4. Generator's Phone (415) 571-2434/571-2428

A. State Manifest Document Number

B. State Generator's ID

C. State Transporter's ID

D. State Transporter's Phone

E. State Transporter's ID

F. State Transporter's Phone

G. State Facility's ID

H. State Facility's Phone

5. Transporter 1 Company Name

H & H Ship Service Company

6. US EPA ID Number

CA1D1014171111618

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

H & H Ship Service Company
220 China Basin Street
San Francisco, CA 94107

10. US EPA ID Number

CA1D1014171111618

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13. Total Quantity

14. Unit
Wt/Vol

1. Waste Number

a. OIL AND WATER
NON-PCRA HAZARDOUS WASTE LIQUID

0 0 1

T T

0 1 5 0 0 0

G

State

134,241

EPA/Other

State

EPA/Other

State

EPA/Other

State

EPA/Other

J. Additional Descriptions for Materials Listed Above

PURE OIL AND WATER

PROPERTY #415

K. Handling Codes for Wastes Listed Above

a. 01

c.

15. Special Handling Instructions and Additional Information

JOB #9980
24 Hr. Emergency Contact: H & H (415) 543-4835
APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR.

JOB SITE: ARCO STATION, #2162
15135 Hesperian Blvd.
San Leandro, California

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Month Day Year

[Signature]

[Signature]

0 1 2 8 9 2

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

ROBERT V. PETRUCCI

[Signature]

0 1 2 8 9 2

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Signature

Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR
TRANSPORTER
FACILITY

ILLINOIS
CALIFORNIA
CONNECTICUT
DELAWARE
FLORIDA
GEORGIA
HAWAII
INDIANA
IOWA
KANSAS
KENTUCKY
LOUISIANA
MAINE
MARYLAND
MASSACHUSETTS
MICHIGAN
MINNESOTA
MISSISSIPPI
MISSOURI
MONTANA
NEBRASKA
NEVADA
NEW HAMPSHIRE
NEW JERSEY
NEW YORK
NORTH CAROLINA
NORTH DAKOTA
OHIO
OKLAHOMA
OREGON
PENNSYLVANIA
RHODE ISLAND
SOUTH CAROLINA
Tennessee
Texas
Utah
Vermont
Virginia
Washington
West Virginia
Wisconsin
Wyoming

Please print or type. Form designed for use on elite (12-pitch typewritten).

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA11D1010141717111618** Manifest Document No. **01 01 01 01 9** of **1** 2. Page 1
Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number **91509038**

3. Generator's Name and Mailing Address
ARCO
P. O. Box 5811, San Mateo, CA 94402
4. Generator's Phone (415) **571-2434/571-2428**

B. State Generator's ID
H. Y. H. G. 3161-1011516160

5. Transporter 1 Company Name
H & H Ship Service Company
6. US EPA ID Number
CA11D1010141717111618

C. State Transporter's ID
300049
D. Transporter's Phone (415) **543-4835**

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
H & H Ship Service Company
220 China Basin Street
San Francisco, CA 94107
10. US EPA ID Number
CA11D1010141717111618

G. State Facility's ID
CA11D1010141717111618
H. Facility's Phone (415) **543-4835**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	1. Waste Number
	No.	Type			
a. OIL AND WATER NON-RCRA HAZARDOUS WASTE LIQUID	010	TIT	015 10 10 10	G	State 114 243 EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
FUEL OIL AND WATER
PROPERTY #215
K. Handling Codes for Wastes Listed Above
a. **Q** b. c. d.

15. Special Handling Instructions and Additional Information
JOB #9980 JOB SITE: ARCO STATION, #2162
24 Hr. Emergency Contact: H & H # (415) 543-4835 15135 Hesperian Blvd.
APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR. San Leandro, California

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Printed/Typed Name *Robert S. Hansen* Signature *[Signature]* Month **01** Day **12** Year **18 19 12**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **ROBERT S. HANSEN** Signature *[Signature]* Month **01** Day **12** Year **18 19 12**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name Signature Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR
 TRANSPORTER
 FACILITY
 THE NATIONAL RESPONSE CENTER 1-800-424-8802
 CALIFORNIA
 1-800-424-7550
 EPA 8022A (12/90)
 EPA 8700-22

Please print or type. Form designed for use on a file (12-pitch typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1

Information in the shaded areas is not required by Federal law.

CA111010101314161311

01 01 01 01 7

of 1

91509034

3. Generator's Name and Mailing Address

ARCO

P. O. Box 5811, San Mateo, CA 94402

4. Generator's Phone (415) 571-2434/571-2428

A. State Manifest Document Number

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

5. Transporter 1 Company Name

H & H Ship Service Company

6. US EPA ID Number

CA111010101477111010

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

H & H Ship Service Company
220 China Basin Street
San Francisco, CA 94107

10. US EPA ID Number

CA111010101477111010

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. OIL AND WATER

NON-RCRA HAZARDOUS WASTE LIQUID

12. Containers
No. Type

010 4 T17

13. Total Quantity

0'5'0'0'0

14. Unit Wt/Vol

G

1. Waste Number
State
EPA/Other

State
EPA/Other

State
EPA/Other

State
EPA/Other

J. Additional Descriptions for Materials Listed Above

FUEL OIL AND WATER

PROFILE #111

K. Handling Codes for Wastes Listed Above

a. b.

c. d.

15. Special Handling Instructions and Additional Information

JOB #9980

24 Hr. Emergency Contact: H & H #(415) 543-4835

APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR.

JOB SITE: ARCO STATION, #2162

15135 Hesperian Blvd.

San Leandro, California

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Printed/Typed Name

Signature

Month Day Year

STOTT BAKER BOHLE OF

[Signature]

011 12 18 19 12

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

EDWARD G. MILANO

[Signature]

011 12 18 19 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Signature

Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR
TRANSPORTER
FACILITY

EMERGENCY CALL 1-800-485-8802 WITHIN CALIFORNIA; CALL 1-800-952-7555 OUTSIDE CALIFORNIA

Please print or type. Form designed for use on elite (12-pitch typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA11010101314161311** Manifest Document No. **01 01 01 01 B** 2. Page 1 of 1 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ARCO
P. O. Box 5811, San Mateo, CA 94402
4. Generator's Phone **(415) 571-2434/571-2428**
6. Transporter 1 Company Name
H & H Ship Service Company
6. US EPA ID Number
CA1210101417171111618
7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address
H & H Ship Service Company
220 China Basin Street
San Francisco, CA 94107
10. US EPA ID Number
CA1210101417171111618

A. State Manifest Document Number
91509035
B. State Generator's ID
H 11 01 31 41 61 31 11
C. State Transporter's ID
700056
D. Transporter's Phone
(415) 543-4835
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
CA1210101417171111618
H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	1. Waste Number
	No.	Type			
a. OIL AND WATER NON-RCRA HAZARDOUS WASTE LIQUID	010	TIT	050.00	G	State 114 53 EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

3. Additional Descriptions for Materials Listed Above
FUEL, OIL AND WATER
PROFILE #A15
K. Handling Codes for Wastes Listed Above
a. **01** b.
c. d.

15. Special Handling Instructions and Additional Information
JOB #9980 **JOB SITE: ARCO STATION, #2162**
24 Hr. Emergency Contact: H & H # (415) 543-4835 **15135 Hesperian Blvd.**
APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR. **San Leandro, California**

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Printed/Typed Name **Scott K. Benthall** Signature *[Signature]* Month **01** Day **12** Year **19 12**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **ESTEBAN M. PENALVER** Signature *[Signature]* Month **01** Day **12** Year **19 12**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name Signature Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR FACILITY
TRANSPORTER
EMITTER
N.C. 1-800-880-7550
L.C. 1-800-880-7550
S.E.C. 1-800-880-7550
N.E. 1-800-880-7550

Please print or type. Form designed for use on elite (12-pitch typewriter).

GENERATOR
TRANSPORTER
FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA18101010134161311		Manifest Document No. 010010		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address ARCO P. O. Box 5811, San Mateo, CA 94402						A. State Manifest Document Number 91508805							
4. Generator's Phone (415) 571-2434/571-2428						B. State Generator's ID HY11013161-101115161610							
5. Transporter 1 Company Name H & H Ship Service Company			6. USEPA ID Number CA1810101017171111618			C. State Transporter's ID 260555		D. Transporter's Phone (415) 543-4835					
7. Transporter 2 Company Name			8. USEPA ID Number 			E. State Transporter's ID		F. Transporter's Phone					
9. Designated Facility Name and Site Address H & H Ship Service Company 220 China Basin Street San Francisco, CA 94107						10. US EPA ID Number CA1810101017171111618							
10. US EPA ID Number						G. State Facility's ID 		H. Facility's Phone (415) 543-4835					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		1. Waste Number	
						No. Type		Quantity		Wt/Vol		Waste Number	
a. OIL AND WATER NON-RCRA HAZARDOUS WASTE LIQUID						0101 717		015101010		G		State 134, 241 EPA/Other	
b.												State EPA/Other	
c.												State EPA/Other	
d.												State EPA/Other	
J. Additional Descriptions for Materials Listed Above FUEL, OIL AND WATER PROFILE SAYS						K. Handling Codes for Wastes Listed Above a. 01 b. c. d.							
15. Special Handling Instructions and Additional Information JOB #5980 24 Hr. Emergency Contact: H & H # (415) 543-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR						JOB SITE: ARCO STATION, #2162 15135 Hesperian Blvd. San Leandro, California							
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Printed/Typed Name Frank Miller				Signature <i>Frank Miller</i>				Month Day Year 01 28 92					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ROBERT V. PETRUCCI				Signature <i>Robert V. Petrucci</i>				Month Day Year 01 28 92					
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name				Signature				Month Day Year					

DO NOT WRITE BELOW THIS LINE.

Please print or type. Form designed for use on site (12-pitch typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA11101010101314161311** Manifest Document No. **01 01 01 11** 2. Page **1** of **1** Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address AECO P.O. Box 5811, San Mateo, CA 94402		A. State Manifest Document Number 91508806	
4. Generator's Phone (415) 571-2434/571-2428		B. State Generator's ID 01101010101314161311	
5. Transporter 1 Company Name H & H Ship Service Company	6. US EPA ID Number CA1A10101014171711111610	C. State Transporter's ID 01101010101314161311	
7. Transporter 2 Company Name	8. US EPA ID Number 11111111111111111111	D. Transporter's Phone (415) 543-4835	
9. Designated Facility Name and Site Address H & H Ship Service Company 220 China Basin Street San Francisco, CA 94107		E. State Transporter's ID	
10. US EPA ID Number CA1A10101014171711111610		F. Transporter's Phone	
		G. State Facility's ID 01101010101314161311	
		H. Facility's Phone (415) 441-4000	

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	1. Waste Number
	No.	Type			
a. OIL AND WATER NON-ACRA HAZARDOUS WASTE LIQUID	010	4	015	065	State: 138 EPA/Other: 201
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above FUEL, OIL AND WATER PROFILE #415	K. Handling Codes for Wastes Listed Above			
	a.	b.	c.	d.
		01		

15. Special Handling Instructions and Additional Information
JOB #9980 **JOB SITE: AECO STATION, #2162**
24 Hr. Emergency Contact: H & H # (415) 543-4835 **15135 Hesperian Blvd.**
APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR **San Leandro, California**

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Printed/Typed Name John Kneller	Signature <i>[Signature]</i>	Month 01	Day 21	Year 1992
---	---------------------------------	--------------------	------------------	---------------------

17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name ROBERT S. HANSEN	Signature <i>[Signature]</i>	Month 01	Day 21	Year 1992

18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.				
Printed/Typed Name	Signature	Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR
 TRANSPORTER
 FACILITY

Please print or type. Form designed for use on 8 1/2" x 11" (12-pitch typewriter).

21 JUL 20 4 44 PM '92
 CALIFORNIA, STATE 1-800-952-7555
 8802
 NATIONAL REUSE CENTER 1-800-368-5882
 ENVIRONMENTAL REUSE CENTER 1-800-368-5882
 CALIFORNIA, STATE 1-800-952-7555
 EMERGENCY CALL 1-800-952-7555
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address ARCO P. O. Box 5811, San Mateo, CA 94402		CIALE1010101314161311		01 01 01 11 2	A. State Manifest Document Number 91509045	
4. Generator's Phone (415) 571-2434/571-2438		6. US EPA ID Number		B. State Generator's ID H Y H 0 3 1 0 1 1 1 5 1 6 1 0		C. State Transporter's ID 200545
5. Transporter 1 Company Name H & H Ship Service Company		7. Transporter 2 Company Name		D. Transporter's Phone (415) 543-4835		E. State Transporter's ID
9. Designated Facility Name and Site Address H & H Ship Service Company 220 China Basin Street San Francisco, CA 94107		10. US EPA ID Number CIALE1010101314161311		G. State Facility's ID CIALE1010101314161311		H. Facility's Phone (415) 543-4835
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol
a. OIL AND WATER NON EXTRA HAZARDOUS WASTE LIQUID		015 10 TIT		015 10 10 10		15. Waste Number State EPA/Other
b.						State EPA/Other
c.						State EPA/Other
d.						State EPA/Other
J. Additional Descriptions for Materials Listed Above OIL AND WATER		K. Handling Codes for Wastes Listed Above		a. b.		
15. Special Handling Instructions and Additional Information JOB # 2162 24 Hr. Emergency Contact: H & H # (415) 543-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR.		JOB SITE: ARCO STATION, #2162 19135 Resperian Blvd. San Leandro, California				
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Printed/Typed Name SOTKHLER BEHRE		Signature <i>[Signature]</i>		Month Day Year 01 12 18 19 12		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JAMES R. MORGAN		Signature <i>[Signature]</i>		Month Day Year 01 12 18 19 12		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						
Printed/Typed Name		Signature		Month Day Year		

DO NOT WRITE BELOW THIS LINE.

