UNDERGROUND STORAGE TANK CLOSURE REPORT

CYPRESS "B" FREEWAY RECONSTRUCTION PROJECT

PHOENIX 800 AREA "T"

OGISO REPORT

November 27, 1995

for

California Department of Transportation
District 04
1545 Willow Street
Oakland, CA 94607

STATE OF CALIFORNIA — BUSINESS, TRANSPORTATION AND HOUSING AGENCY
DEPARTMENT OF TRANSPORTATION - DISTRICT 04

1545 Wiilllow Street
Oakland, CA 94607
TEL: (510)-286-1359
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LETTER OF TRANSMITTAL

To: Susan Hugo - ACA Co. Environs. Health
1311 Harbor Bay Parkway
Alameda, CA 94502-6577

Date: 07 DEC 95
Re: 04-192214
04-Ala-880-32.8/34.2
*ER-1505(003)N

Attn: Susan Hugo

Transmitted herewith are the following items:

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_____ for review. Return with comments.

Remarks: For 800 Cedar St.

for
Victor Salazar
Resident Engineer

ENCLOSED IS A COPY OF OGISO'S UST Closure Report for 800 Phoenix. Please review and notify ANDREW NORRIS at 286-1367.

Thank you,

ANDREW NORRIS
CALTRANS CYPRESS B
286-1367.

OGISO

One Planet - One Destiny

OGISO Environmental

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December 5, 1995

Harry L. Young, P.E.
Cypress 'B' Project Manager
Kasler Corporation
#1 Kaiser Place, Suite 415
Oakland, CA 94612

Subject: **Submittals for Cypress 'B' Contract 04-192214 - Underground Storage Tank Closure Report for Phoenix 800, Area "T"**

Dear Harry:

Attached is the Underground Storage Tank Closure Report for the Phoenix 800 site, Area "T". I have enclosed two copies for Kasler, along with copies for Caltrans.

Sincerely,

Hamid Moshtaghi

Clement Okoh, Ph.D. for Clement Okoh
Principal Engineer

CO: jl
Enclosure
cypressb\kslrust.ltr

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UNDERGROUND STORAGE TANK CLOSURE REPORT

CYPRESS "B" FREEWAY RECONSTRUCTION PROJECT

PHOENIX 800 AREA "T"

OGISO REPORT E-95130

PREPARED FOR:

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1 INTRODUCTION

OGISO Environmental removed a total of four underground storage tanks (USTs) from the Phoenix 800 site located at 888 Cedar Street in Oakland as part of a remedial action plan for this site. Two USTs, one approximately 1,000 gallons containing diesel fuel and another approximately 2,600 gallons containing gasoline, were removed on October 20, 1995. Two additional USTs, approximately 250 gallons and 25 gallons each, containing solvent were also removed on October 23 and October 31, 1995, respectively, from this site. The diesel and gasoline underground storage tanks were previously known to be present at this site. However, the solvent tanks were accidentally encountered during the remediation processes at the site.

This tank closure report discusses the excavation activities, initial and confirmatory sampling, sample analysis, analytical results, remedial measures and disposal of the exhumed underground storage tanks.

1.1 Site Background

The Phoenix 800 parcel is located at 888 Cedar Street within the western portion of the City of Oakland, about one mile west of the Oakland Outer Harbor. The site is located in a predominantly industrial neighborhood with nearby residential areas. Figure 1 shows the site location map. Residential homes are located to the south of Shorey Street and the east side of Pine Street between 9th and Shorey Streets, which is across the street from the Phoenix 800 site. The site consists of the southwestern portion of the parcel and is 43,965 ft^2 in area (Figure 2).

A large warehouse building formerly occupied this parcel, but was demolished by California Department of Transportation (Caltrans) in June and July of 1995, after the contents of the warehouse were removed.

The Cypress "B" freeway reconstruction is planned to include this site. This construction is related to the replacement of the Cypress structure that was damaged during the October 1989 Loma Prieta Earthquake. As part of the Cypress replacement project, a new partially depressed frontage road, exiting to the north of 7th Street will be constructed parallel to the new Cypress Freeway. Approximately one-fifth of the Phoenix 800 site in the southwest corner will be paved for the frontage road. Construction of a concrete retaining wall on the site and adjacent to the frontage road is required to limit groundwater infiltration into the depressed area of the rerouted 7th Street undercrossing and frontage road. The future use of the remaining portions of the Phoenix 800 parcel has not been decided at this time, but Caltrans will be investigating those portions of the parcel at a later date.

1.2 Site Geology

The topography of the site is generally even and slopes gently to the west and south toward the San Francisco Bay and Oakland Inner Harbor. The site is 10 feet above mean sea level. The shallow soils in the vicinity of the site consist of an unknown thickness of fill materials and disturbed native soils. The fill materials are underlain by late Pleistocene (10,000 to 70,000 years old) and beach and dune sand deposits (Merritt Sand) consisting of loose, well sorted, fine to medium-grained sand with subordinate silt. Bay Mud is present to the west of the site. Bay Mud consists of Holocene (less than 10,000 years old) estuarine deposits comprised of unconsolidated, water-saturated, dark, plastic clay and silty clay rich in organic material. The depth to groundwater is approximately 7 to 10 feet below grade.

2. TANK REMOVAL ACTIVITIES

According to the preliminary site assessments and investigations previously conducted on the Phoenix 800 site (Baseline Environmental Consulting, September 1990), two underground storage tanks (UST) containing diesel fuel and gasoline were identified at this site. The Initial Remedial Action Plan and Health and Safety Plan prepared for the site only addressed removal of these two tanks. However, upon commencement of excavation work, two additional tanks containing solvent were encountered. In response to this discovery, the Remedial Action Plan and the Health and Safety Plan were modified. A total of four underground storage tanks were removed from this site.

2.1 Diesel Fuel Tank

The diesel UST permit application was filed with the Alameda County Department of Environmental Health (ACDEH) on June 28, 1995, for excavation of the diesel UST. The approved permit application forms are included in Appendix A.

The diesel fuel tank was a single-walled, steel tank approximately 1,000 gallons in capacity, located at the northwest corner of the Phoenix 800 site. Figure 3 depicts the approximate locations of the underground storage tanks exhumed from this site.

There is no record showing when the diesel tank was installed at this site. The tank was not in operation as of 1990 and was excavated, exhumed, inspected, loaded, and transported to a disposal/recycling facility on October 20, 1995. The diesel UST was buried approximately 4 to 5 feet below grade and was first exposed by removing the overlaying concrete pad and the top and surrounding soil. The excavated soil was stockpiled in an area east of the tank location (Figure 2). The quantity of soil excavated to uncover the tank was estimated at 150 cubic yards.

2.1-1 Associated Piping

There were no fittings or pipings attached to the tank at the time it was uncovered.

2.1-2 Tank Content

The liquid content of the tank was pumped into a vacuum truck by Erickson Environmental. The tank was rinsed with a pressurized stream of water and the rinsate was pumped concurrently into the vacuum truck, hence removing the diesel and waste residues in the tank. The tank liquid and rinsate were transported to an appropriate licensed facility for disposal. The manifest document for disposal of the tank content is included in Appendix B.

2.1-3 Tank Purging

The tank was purged of any remaining vapors by placing 20 lb of dry ice in the tank one hour prior to removal. Following purging of the gaseous content of the tank, the lower explosive limit (LEL) inside the tank was measured at 0%. The oxygen level in the tank was measured at 1.5% and 4.2% at the bottom and top of the tank, respectively. All the tank openings and holes were securely covered with tape to maintain the elevated CO_2 content of the tank during removal and transportation to the disposal/recycling facility.

2.1-4 Tank Inspection

The tank was lifted out of the excavation and was brought to the surface for physical inspection by the ACDEH inspector (Ms. Susan Hugo). The tank showed severe signs of corrosion with a hole located at the bottom. The ACDEH site report is included in Appendix A. Figure 4 shows the diesel fuel tank prior to loading.

2.1-5 Tank Loading and Transportation

The tank was carefully lowered on to a flatbed truck, properly secured onto the truck bed with three straps, and then transported by Erickson Environmental to a licensed facility for disposal

and/or recycling. A copy of the tank disposal manifest is included in Appendix B.

2.1-6 Sampling and Analysis

There was no free product or sheen observed in the soil immediately surrounding the diesel tank. Diesel odor was noted in the tank excavation and the soil around the tank showed greenish discoloration indicating diesel contamination. One soil sample was collected from the fill end (north end) and one from the discharge end (south end) of the tank at approximately 8 feet below ground surface (bgs) immediately following tank removal.

A backhoe bucket was used to scoop the soil from underneath each end of the tank to the surface for sampling. Samples were collected by pushing 2 in. x 6 in. brass sleeves, capped at one end, directly into the soil. Sampling sleeves were capped at the other end immediately following collection of the soil samples. The remaining soil in the backhoe bucket was replaced in its original location. Samples DIS-N (north-end) and DIS-S (south-end) were analyzed for total petroleum hydrocarbons as diesel (TPH-D) via EPA Method 3350/8015M. Chain-of-custody and laboratory analysis results are included in Appendix C and summarized in Table 1. As shown in Table 1, soil analytical results indicate a maximum TPH-D level of 1,300 ppm at the north end of the diesel UST. No TPH-D was detected at the south end of the UST.

2.1-7 Diesel UST Site Remediation

The diesel-affected soil in the UST excavation was visually identified from its greenish appearance and was excavated horizontally and vertically. Horizontally, the excavation continued in all four directions until soil discoloration was no longer observed or the boundary of Phoenix 800 area 'T' was reached. Vertically, the affected soil was excavated until clean soil was encountered or the groundwater was reached. Approximately 800 cubic yards of discolored (greenish) soil was excavated from around the diesel UST and stockpiled offsite on a concrete slab approximately 50 yards east of the diesel UST location.

2.1-8 Confirmatory Sampling

Confirmatory samples 2T14-6-W and 2T13-6-0 were collected from the western wall and bottom of the diesel UST excavation, respectively (Table 1). The above sample I.D. numbers correspond with the confirmatory sampling nomenclature developed for remediation of contaminated grids in area 'T'. At the time of confirmatory sampling, the northern, southern, and eastern walls of the UST excavation had already been excavated to the perimeter of area 'T' during remediation of the same area for diesel and/or lead contamination and hence did not exist. As shown in Table 1, confirmatory sampling results indicate TPH-D values of 30 and 20 ppm, which are well below the preliminary remedial goal (PRG) of 100 ppm set for this site by the Department of Toxic Substances Control (DTSC). Chain-of-custody and laboratory analytical results are included in Appendix C.

2.2 Gasoline Tank

The gasoline UST permit application was filed with the ACDEH on June 28, 1995, for excavation of the gasoline UST. The approved permit application forms are included in Appendix A.

The gasoline tank was a single-walled, steel tank approximately 2,600 gallons in capacity. The tank was located at the northwest corner of the Phoenix 800 site southeast of the diesel fuel tank. Figure 3 depicts the approximate relative locations of the USTs.

There is no record showing when this tank was installed at the site. The tank was not in operation as of 1990 and was exhumed, loaded, transported, and disposed of on October 20, 1995. The tank was buried approximately 4 to 5 feet below grade and was first exposed by removing the surrounding soil. The excavated soil was stockpiled separately in an area located approximately 50 yards east of the UST excavation. The quantity of soil excavated was

estimated to be 200 cubic yards.

2.2-1 Associated Piping

There were no fittings or pipings attached to the tank at the time it was uncovered.

2.2-2 Tank Content

Prior to excavation, the liquid content of the tank was pumped into a vacuum truck by Erickson Environmental. The tank was rinsed with a pressurized stream of water and the rinsate was pumped concurrently into the vacuum truck, hence removing the gasoline and waste residues in the tank. The tank liquid and rinsate were transported to an appropriate licensed facility for disposal. The manifest document for disposal of the tank content is included in Appendix B.

2.2-3 Tank Purging

The tank was purged of any remaining vapors by placing 40 lb of dry ice in the tank one hour prior to removal. Following purging of the gaseous content of the tank, the lower explosive limit (LEL) inside the tank was measured at 2%. The oxygen level in the tank was measured at 0.6%. All the tank openings and holes were securely covered with tape to maintain the elevated CO_2 content of the tank during removal and transportation to the disposal/recycling facility.

2.2-4 Tank Inspection

The tank was lifted out of the excavation and was brought to the surface for physical inspection by the ACDEH inspector (Ms. Susan Hugo). The tank showed moderate signs of corrosion with no apparent holes identified in the tank. The ACDEH site report is included in Appendix A. Figure 5 shows the gasoline fuel tank prior to loading.

2.2-5 Tank Loading and Transportation

The tank was carefully lowered on to a flatbed truck, properly secured onto the truck bed with

three straps, and then transported to a licensed facility for disposal and/or recycling by Erickson Environmental. A copy of the tank disposal manifest is included in Appendix B.

2.2-6 Sampling and Analysis

There was no free product, sheen, or odor observed in the soil immediately surrounding the gasoline tank. One soil sample was collected from the fill end (east end) and one from the discharge end (west end) of the tank at approximately 8 feet below ground surface (bgs) immediately following tank removal.

A backhoe bucket was used to scoop the soil from underneath each end of the tank to the surface for sampling. Samples were collected by pushing 2 in. x 6 in. brass sleeves, capped at one end, directly into the soil. Sampling sleeves were capped at the other end immediately following collection of the soil samples. The remaining soil in the backhoe bucket was replaced in its original location. Samples GAS-E (east end) and GAS-W (west end) were analyzed for total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl tertiary butyl ether (MTBE) via EPA Method 5030/8015M/8020. Chain-of-custody and laboratory analytical results are included in Appendix C and summarized in Table 2. As shown in Table 2, soil analytical results indicate all the suspected contaminants to be well below the designated PRG levels, hence requiring no UST site remediation.

2.3 First Solvent UST

Two underground storage tanks, each containing unknown quantities of solvents, were accidentally encountered while performing remedial excavation on the Phoenix 800 site.

The first solvent tank, encountered on October 15, 1995, was made of steel and its capacity was estimated at 250 gallons. The tank was located south of the diesel and gasoline tanks. Figure 3

shows the approximate location of the tank. There was no record showing the date the tank was installed or put into operation. The nature of the content of the tank was also unknown at the time it was discovered.

2.3-1 Tank Content Identification

At the time of discovery, the tank was struck by the bucket of an excavator puncturing a large hole in the tank and thereby releasing its liquid content into the surrounding soil. The remedial excavation work was immediately halted, the tank was covered with 2 - 3 feet of clean soil and the area was isolated and barricaded with caution tape. An emergency crew (Evergreen) was called to the site to conduct onsite hazardous material cataloguing tests and collect liquid and soil samples to help determine the chemical composition of the liquid in the tank. The crew members were equipped with level B personal protective equipment (PPE).

2.3-2 Soil and Liquid Sampling

Two soil samples were collected from the affected soil in the immediate vicinity of the tank, and one sample was collected from the tank liquid content. The samples were tested for VOCs (EPA Method 8240/8260), Semi-VOCs (EPA Method 3550/8270), and CAM-17 metals (Method 3050A M/6010/7471). Sample collection techniques are detailed in Section 4. The soil and liquid test results identified the liquid as a diluted solvent. The chain-of-custody and analytical results are included in Appendix C and summarized in Tables 3A, 3B, and 3C. Photo ionization detector (PID) readings taken next to the tank indicated the presence of strong volatile organic compounds (VOCs).

2.3-3 ACDEH Notification

This incident was reported to ACDEH, Ms. Susan Hugo, on Monday October 16, 1995. She advised that the UST Closure Application form be modified by changing the original number of tanks to be closed at Phoenix 800 from 2 to 3 tanks. A separate Form B was completed for this

tank and submitted to ACDEH. Appendix A includes a copy of the tank discovery notification letter and Form B submitted to ACDEH. A Hazardous Materials Release and Notification Report was also filed with the Alameda County Health Care Services Agency on October 19, 1995, and is included in Appendix A.

2.3-4 Associated Piping

There were no fittings or pipings attached to the tank at the time it was uncovered.

2.3-5 Tank Content

Most of the tank content spilled onto the surrounding soil when the tank was struck by the excavator backhoe.

2.3-6 Tank Rinsing

The tank was rinsed with a pressurized stream of water and the rinsate was absorbed (15 gallons) by the surrounding soil, which was later excavated and stockpiled for sampling and characterization.

2.3-7 Tank Purging

The tank was purged of any remaining vapors by placing 10 lb of dry ice in the tank one hour prior to removal. Following purging of the gaseous content of the tank, the LEL inside the tank was measured at 0%. Later all the tank openings and holes were securely covered with tape to maintain the elevated CO_2 content of the tank during removal and transportation to the disposal/recycling facility.

2.3-8 Tank Inspection

The tank was lifted out of the excavation and was brought to the surface for physical inspection by ACDEH inspector Mr. Brian Oliva on October 23, 1995. Inspection of the solvent tank

showed that it had been ruptured due to the prior backhoe action. The ACDEH site report is included in Appendix A. Figure 6 shows the solvent tank prior to loading.

2.3-9 Tank Loading and Transportation

The tank was loaded for transportation and disposal/recycling on October 23, 1995. The tank was wrapped in visqueen, loaded onto a flatbed truck, properly secured with straps, and transported by Erickson Environmental to a licensed facility for disposal/recycling. A copy of the tank disposal manifest is included in Appendix B.

2.3-10 Personnel PPE

During tank rinsing, purging, inspection, and loading, the excavator operator was suited under level B PPE and the backup personnel were suited under level C PPE with half-face respirators.

2.3-11 Confirmatory Sampling

The soil affected by content of the solvent tank was excavated and stockpiled for sampling and characterization in a concrete- surfaced area located approximately 60 yards east of the tank excavation. The quantity of soil excavated was estimated to be 200 to 300 cubic yards. Confirmatory samples were collected from the bottom of the tank excavation and analyzed for oil and grease (EPA Method 5520), VOCs (EPA Method 8240/8260), semi-VOCs (EPA Method 3550/8270), and CAM 17 metals (EPA Method 3050A M/6010/7471). The chain-of-custody and laboratory analytical results are included in Appendix C and summarized in Tables 3D, 3E, and 3F. Confirmatory sampling results show all detected contaminants to be well below the established PRG levels, hence no further cleanup of the first solvent UST site was required.

2.4 Second Solvent Tank

A second solvent tank was encountered on October 28, 1995. The tank was made of steel and

was estimated at 10 gallons. The tank was located to the south of the first solvent tank. Figure 3 depicts the approximate location of the second solvent tank. There was no record showing the date the tank was installed and put into operation. The nature of the content of the tank was unknown at the time it was discovered.

At the time of discovery, the tank was struck by an excavator bucket puncturing a hole in the tank and thereby releasing about 1 gallon of its liquid content into the native soil. Excavation work was immediately halted. The tank was covered with about 2 - 3 feet of clean soil and the area was isolated and barricaded with caution tape. PID readings of the tank indicated presence of VOCs.

2.4-1 Soil and Liquid Sampling

One soil sample was collected from the surrounding affected soil, and one liquid sample was collected from the suspected solvent tank. The samples were analyzed for VOCs and semi-VOCs. The chain-of-custody and laboratory analytical results are included in Appendix C and summarized in Tables 4A and 4B. As indicated by the liquid test results, the tank contained low levels of solvents and VOCs. The soil test results did not indicate the presence of any of the analytes of interest.

2.4-2 ACDEH Notification

This incident was reported to Ms. Susan Hugo on October 30, 1995. She advised the UST Closure Application form be modified by changing the original number of tank closures from 3 to 4. Appendix A includes a copy of the notification letter sent to Ms. Hugo. A separate Form B was also completed for this tank and submitted to ACDEH (Appendix A). A Hazardous Materials Release and Notification Report was filed with the Alameda County Health Care Services Agency on October 30, 1995 (Appendix A).

2.4-3 Tank Loading and Transportation

The tank was uncovered, loaded, and transported by Erickson Environmental for disposal/ recycling on October 31, 1995. There was no liquid content in the tank since it had been released into the surrounding soil. PID readings indicated the presence of VOCs in the tank prior to tank purging. The tank was purged by placing 5 lb of dry ice in the tank. LEL readings indicated 0%.

The tank was physically inspected prior to placing it in a truck-mounted roll-off bin. There were no fittings or pipings attached to the tank. The tank showed it had been ruptured due to the prior backhoe action. Figure 7 shows the second solvent tank prior to loading. The tank was wrapped in visqueen, carefully placed the in the truck-mounted roll-off bin, secured, and transported by Erickson Environmental to a licensed facility for disposal/recycling. A copy of the tank disposal manifest is included in Appendix B.

The Alameda County Department of Environmental Health and City of Oakland Fire Department were notified. However, no representative was present during the actual excavation and removal of the tank.

2.4-4 UST Site Remediation

The affected soil around the tank was excavated and stockpiled for sampling and characterization with the first solvent tank stockpile, east of the tank excavation. The quantity of soil excavated was estimated at 50 cubic yards.

2.4-5 Personnel PPE

The excavator operator was suited under level B PPE and the backup personnel were suited under level C with respirators during the sampling, uncovering, inspection, and loading of the solvent UST.

3 UST SITE REMEDIATION

3.1 Diesel UST Site

Analytical results of the soil samples collected from the excavation following removal of the diesel UST indicated the presence of TPH-D at 1,300 mg/kg at the fill end of the tank (Table 1). In remediating this site, contaminated soils around the diesel tank were excavated vertically to groundwater (approximately 8-9 feet below grade). Horizontally, the contaminated soils were excavated until no visual signs of discoloration (greenish) were observed or the boundary of the Phoenix 800 area was reached. Analysis of soil samples collected from the tank site following diesel UST site remediation indicated TPH-D at 30 and 22 mg/kg (Table 1), which are well below the PRG value of 100 mg/kg. Hence, the diesel UST site was remediated.

3.2 Gasoline UST Site

Results of the soil sample analyses from the former gasoline tank location indicated detectable concentrations of some petroleum hydrocarbon constituents (Table 2). TPH-G was detected at a concentration of 27 ppm, ethyl benzene at a concentration of 0.10 ppm, and xylenes at a concentration of 0.05 ppm. Benzene, toluene, and methyl tertiary butyl ether (MTBE) were not detected in the soil samples.

Sampling results of the former gasoline tank location indicated the site did not require further remediation since the reported levels of TPH-D, ethylbenzene, and xylenes were well below the established PRG levels of 100 ppm, 74 ppm, and 99 ppm, respectively.

3.3 First Solvent UST Site

Two soil samples were collected from the floor of the first solvent tank excavation following tank removal. The soil samples were tested for VOCs, semi-VOCs, and CAM-17 metals. Results of the soil sample analyses indicated detectable concentrations of volatile and semi-volatile organic compounds, and heavy metals (Tables 3A, 3B, 3C).

The soil VOC components: acetone, methylene chloride, and toluene were detected at maximum concentration of 3.1 ppm, 0.29 ppm, and at 1.9 ppm, respectively. No other VOCs were detected in the soil samples. A summary of the soil and liquid VOC results is presented in Table 3A.

The maximum concentration of semi-volatiles detected in the soil samples was 1.3 ppm for fluoranthene, 1.3 ppm for pyrene, 0.69 ppm for benzo (A) anthracene, 1.0 ppm for chrysene, 0.63 ppm for benzene (B) fluranthene, 1.30 ppm for benzo (A) pyrene, and 1.2 ppm for indeno (1,2,3,C,D) pyrene. A summary of the soil and liquid semi-volatile results is presented in Table 3B.

For the heavy metals, detectable concentrations were reported in the soil samples. Maximum concentrations of antimony at 10 ppm, arsenic at 6.1 ppm, barium at 87 ppm, cadmium at 1.4 ppm, chromium at 21 ppm, copper at 25 ppm, lead at 770 ppm, nickel at 14 ppm, selenium at 2.4 ppm, vanadium at 15 ppm, zinc at 150 ppm, and mercury at 0.11 p.m. were reported for the soil samples. A summary of analytical results of CAM-17 metals for the soil and liquid samples is presented in Table 3C.

Following excavation of the soils from around the solvent UST, two confirmatory soil samples were collected from the floor area of the excavation. The analytical results indicated

that volatiles, semi-volatiles, and metal concentrations were well below the PRG levels set for this site, hence no further remediation was considered for this site. Tables 3D, 3E, and 3F summarize the confirmatory test results for volatiles, semi-volatiles, and CAM-17 metals, respectively.

3.4 Second Solvent UST Site

One soil sample was collected from the area directly underlying the 25-gallon. solvent tank and was tested for volatile and semi-volatile organic compounds. Analysis of the soil sample showed non-detect for all the analytes of interest (VOCs and semi-VOCs), hence remediation of the second solvent tank site was not considered.

4 STOCKPILE MANAGEMENT

The soils excavated from around the diesel and solvent USTs were stockpiled offsite (two diesel stockpiles and two solvent stockpiles) on a concrete slab approximately 50 yards east of area 'T'. Quantities of stockpiled soils from diesel- and solvent- affected UST sites were estimated at 800 and 250 cubic yards, respectively. The stockpiles were sampled for characterization and disposal. Figure 8 depicts the relative position and approximate size of all of the Phoenix 800 stockpiles, including the diesels and solvent stockpiles. Figure 9 depicts the stockpiled soil sampling locations. Laboratory analytical results of characterization samples collected from the diesel stockpile are included in Appendix C and summarized in Tables 5A and 5B..

4.1 Diesel Stockpiles

Four soil samples were collected from the first diesel stockpile and tested for TPH-D (EPA Method 8015) and total and threshold concentration leaching procedure (TCLP) for lead (EPA Method 6010). Each sample represented a stockpiled soil volume of approximately 100 cubic yards. Figure 9 depicts the sampling locations. The analytical test results are included in Appendix C and summarized in Table 5A. As shown in Table 5A, all the analytes tested for were well below their respective PRG levels, and hence the first diesel stockpile was characterized as non-hazardous. This stockpile will be used as fill material on the Cypress 'B' site.

Six composite samples were collected from the second diesel stockpile and tested for total recoverable petroleum hydrocarbons (TRPH)(EPA Method 418.1), TPH-D (EPA Method 8015), and total lead (EPA Method 3050/7420). Each composite soil sample represented a stockpiled soil volume of 100 cubic yards. Figure 9 depicts the composite sampling locations.

The analytical test results are included in Appendix C and summarized in Table 5B. As shown in Table 5B, all the analytes tested for were well below their respective PRG levels, and hence the second diesel stockpile was characterized as non-hazardous. This stockpile will be used as fill material on the Cypress 'B' site.

4.2 Solvent Stockpiles

Six samples were collected from the solvent stockpiles and tested for VOCs (EPA Method 8240), semi-VOCs (EPA Method 8270) and CAM-17 metals (EPA Method 3050A M/6010/7471). Each sample represented a 20 foot section of the stockpile along its length. Figure 9 depicts the stockpile sampling locations. The detailed analytical results are included in Appendix C and summarized in Tables 6A, 6B, and 6C. As shown in Tables 6A and 6B, the majority of the analytes tested for were reported as non-detect and only a few were reported in very low concentrations.

VOCs were reported at maximum concentrations of 13 µg/kg for tetrachloroethene and 43 µg/kg for toluene. Semi-VOCs were reported at maximum concentrations of 480 µg/kg for Anthracene, 470 µg/kg for Fluoranthene, and 410 µg/kg for Pyrene. These concentrations are considered well below PRG levels. CAM-17 metals were reported at concentrations well below the PRG levels, except for lead. As shown in Table 6C, total lead was reported at 1900 mg/kg and 1,400 mg/kg for samples T.SOLV.STOC.1 and T.SOLV.STOC.2, respectively. TCLP lead was reported at 24 and 11 mg/l for these samples, respectively, characterizing the portion of the solvent stockpile represented by these samples (a 40-foot section of the solvent stockpile) as Resource Conservation and Recovery Act (RCRA) waste. The section of the solvent stockpile classified as RCRA waste was segregated, loaded, and transported to Laidlaw class I landfill in Buttonwillow, California, on November 17, 1995, for disposal. The hazardous waste disposal manifests are included in Appendix D.

5 SAMPLING

5.1 Sampling Procedure

Soil samples from UST excavations and remediated UST sites were collected by driving 2-in by 6-in brass sleeves capped at one end (Teflon paper + plastic cap) directly into the soil. Following collection of the soil samples in the brass sleeves, the open sleeve ends were covered with Teflon paper and capped immediately. Each sample was properly labeled and refrigerated with blue ice in a cooler pending shipment to a laboratory for analysis. Liquid samples were collected in 1-liter amber glass bottles. The chain-of-custody forms and the detailed analytical results are included in Appendix C.

Soil samples from the stockpiles were collected by first augering 2-3 feet below the surface and later employing a core sampler with a 2 inch x 6 in brass sleeve insert to collect the sample at 3 feet below the surface of the stockpile.

5.2 Equipment Contamination Prevention

All equipment used for collecting soil samples was cleaned with nonphosphate detergent and triple rinsed with deionized water prior to sampling. Trowels, hand augers, and core samplers were cleaned between each sampling event to prevent cross contamination from one sample location to another. Furthermore, fresh latex gloves were worn prior to each sampling event.

5.3 Soil and Liquid Sample Analysis

Soil and liquid samples were collected from UST excavations following UST removal. Confirmatory soil samples were later collected from remediated UST sites and analyzed for contaminants of concern.

Soil samples collected from the diesel UST site were analyzed for TPH-D via EPA Method 3550/8015M. Soil samples collected from the gasoline UST site were analyzed for TPH-G, benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl tertiary butyl ether (MTBE) via EPA Method 5030/8015M/8020. Soil samples collected from the solvent UST site were analyzed for VOCs, semi-VOCs, and CAM-17 metals via EPA Methods 8240, 8270, and 6010, respectively.

FIGURE 1

CYPRESS "B" PHOENIX 800

SITE LOCATION MAP

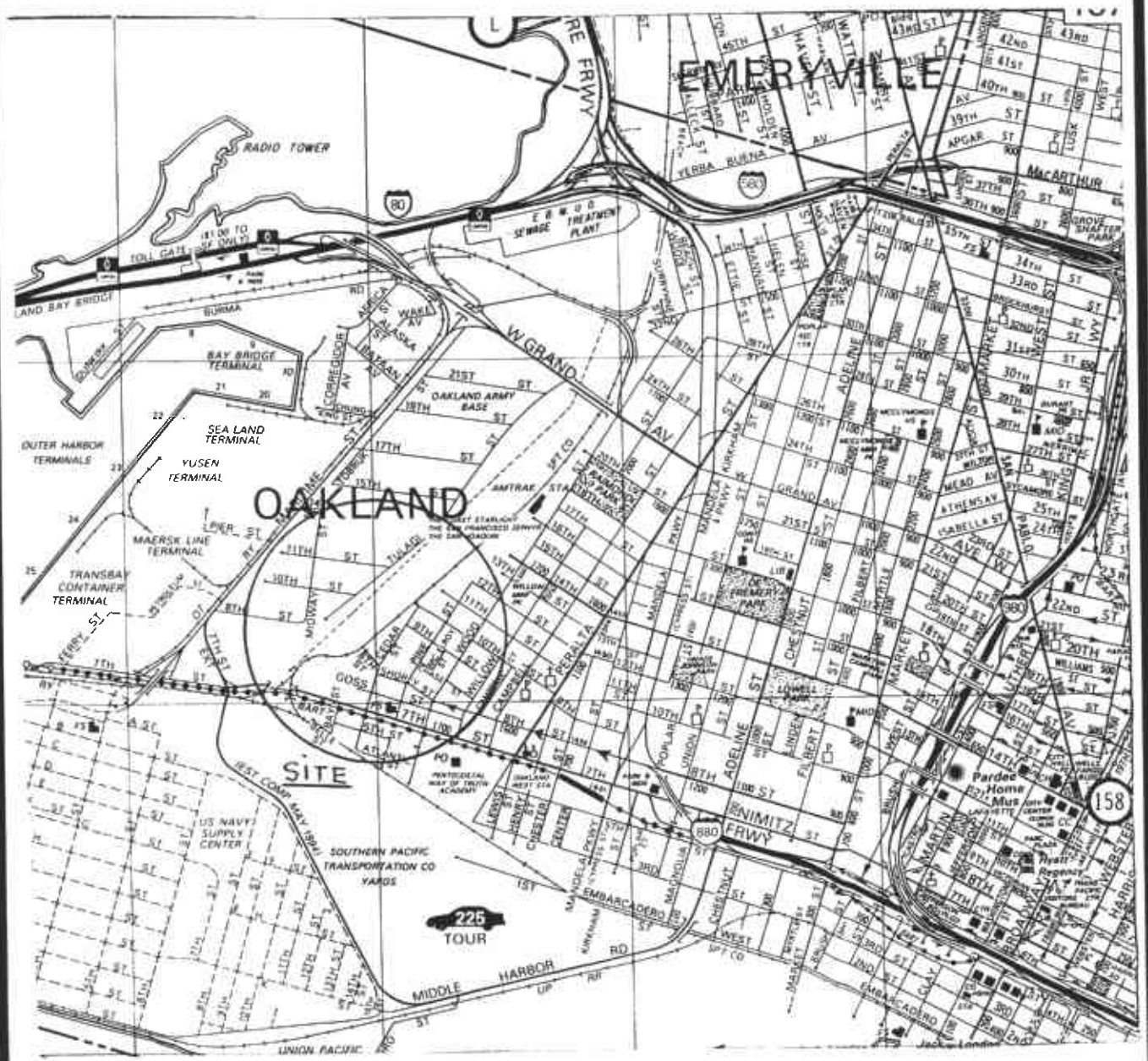
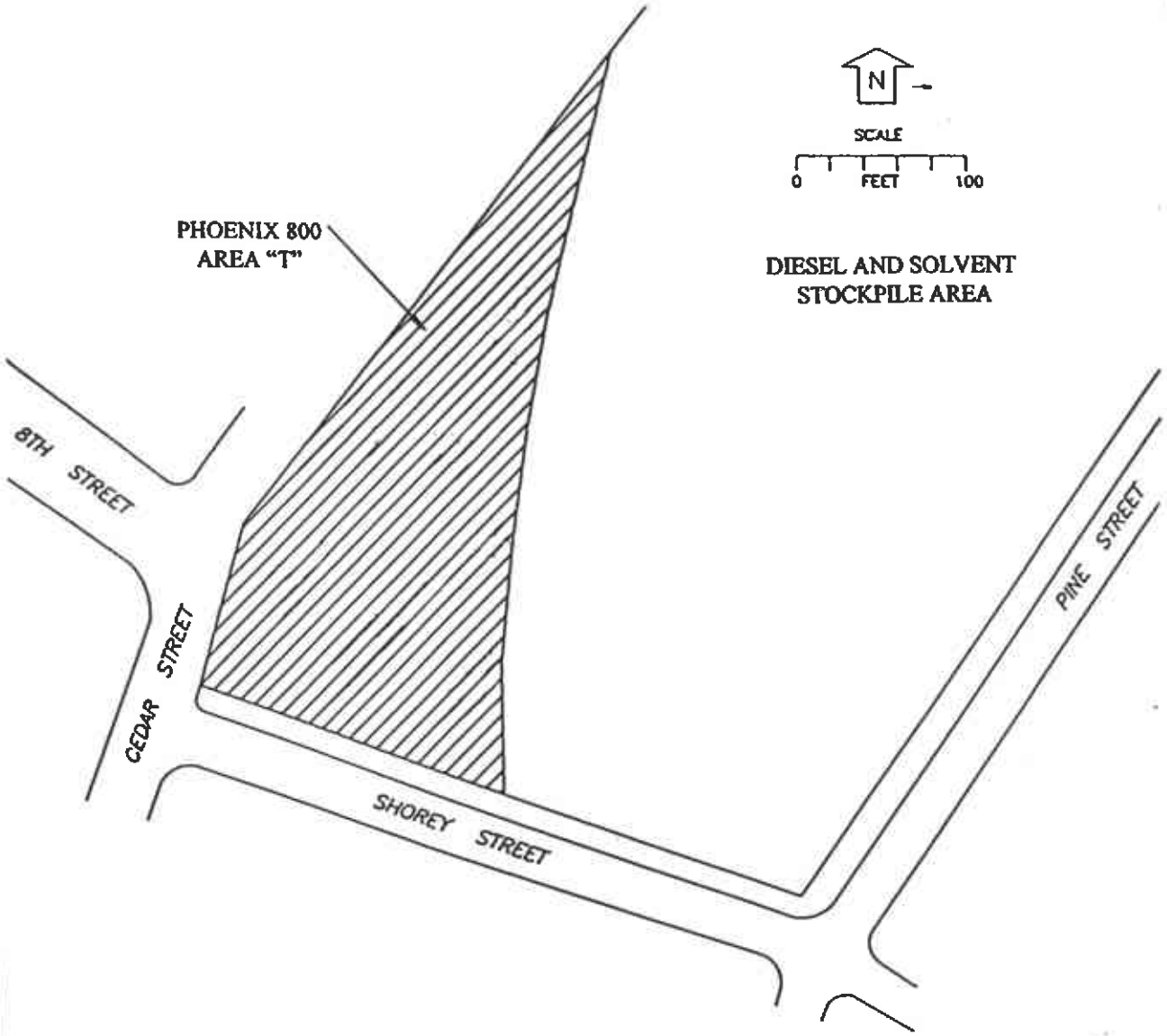
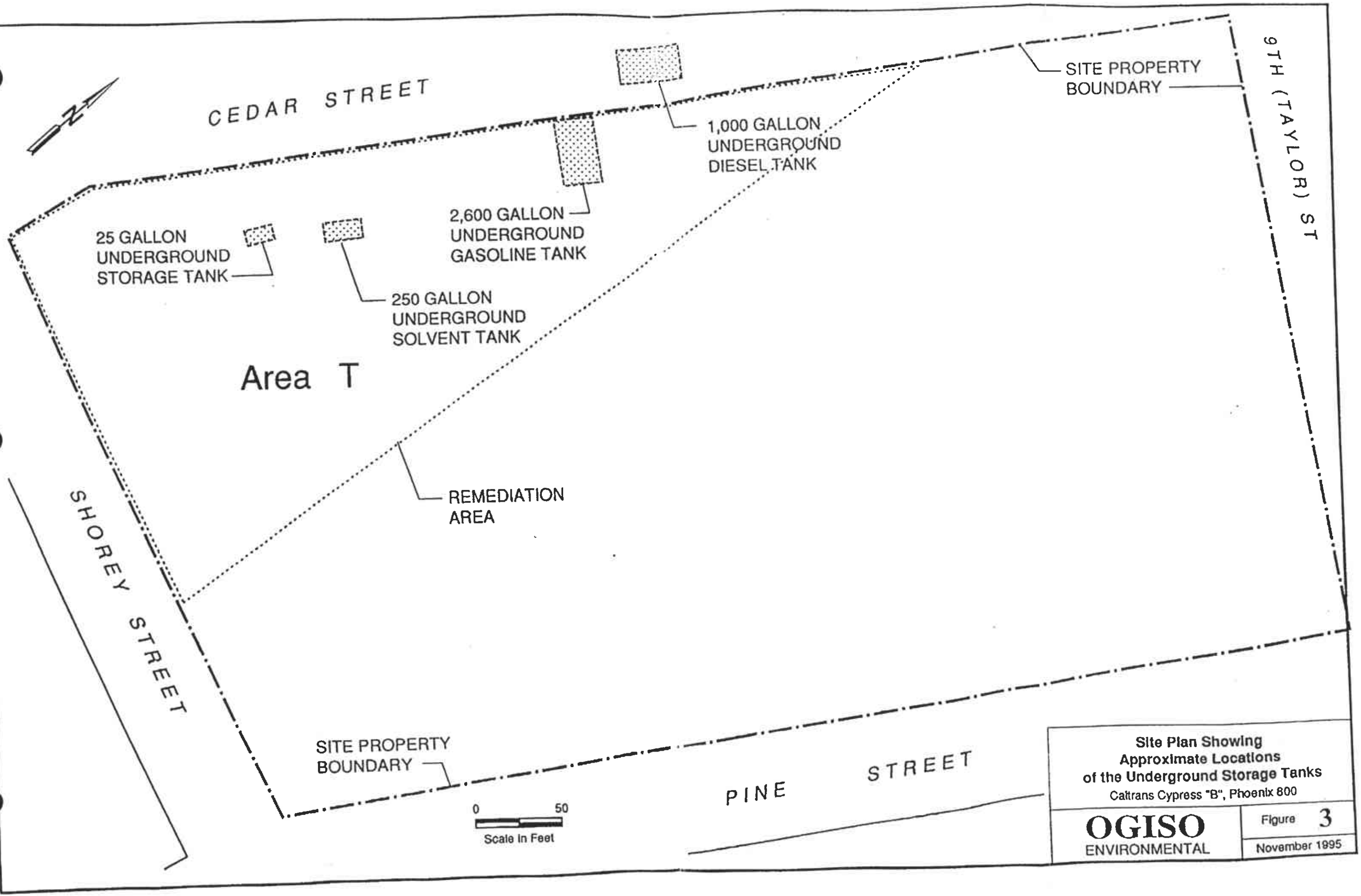


FIGURE 2

CYPRESS "B" PHOENIX 800

SITE VICINITY MAP





Site Plan Showing Approximate Locations of the Underground Storage Tanks
Caltrans Cypress "B", Phoenix 800

OGISO ENVIRONMENTAL

Figure 3

November 1995

FIGURE 4

CYPRESS "B" PHOENIX 800

DIESEL UST PRIOR TO LOADING

FIGURE 5

CYPRESS "B" PHOENIX 800

GASOLINE UST PRIOR TO LOADING

FIGURE 6

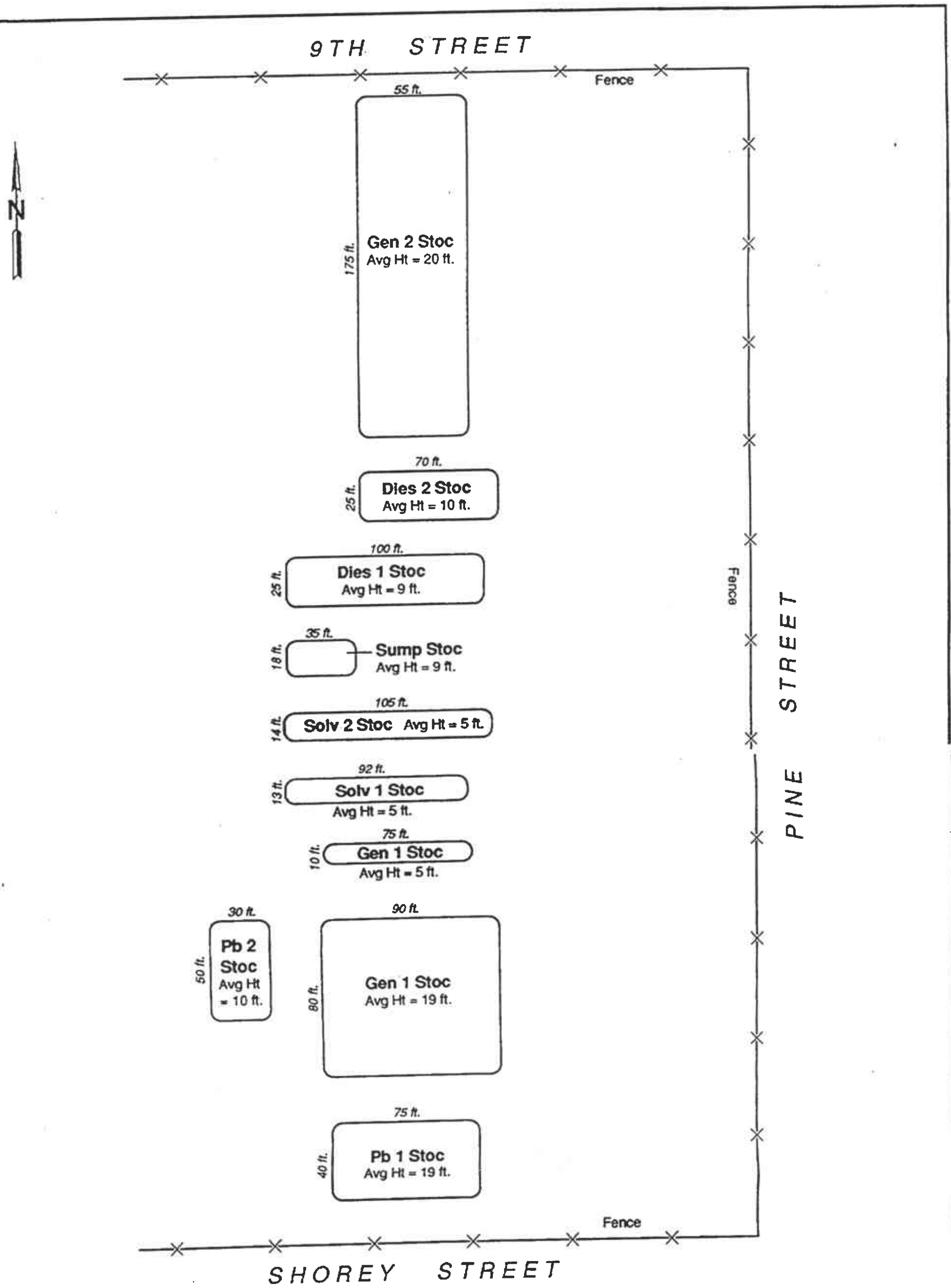
CYPRESS "B" PHOENIX 800

FIRST SOLVENT UST PRIOR TO LOADING

FIGURE 7

CYPRESS "B" PHOENIX 800

SECOND SOLVENT UST PRIOR TO LOADING



OGISO ENVIRONMENTAL

Approximate Location and Size of Phoenix 800 Area 'T' Stockpiles

FIGURE 8

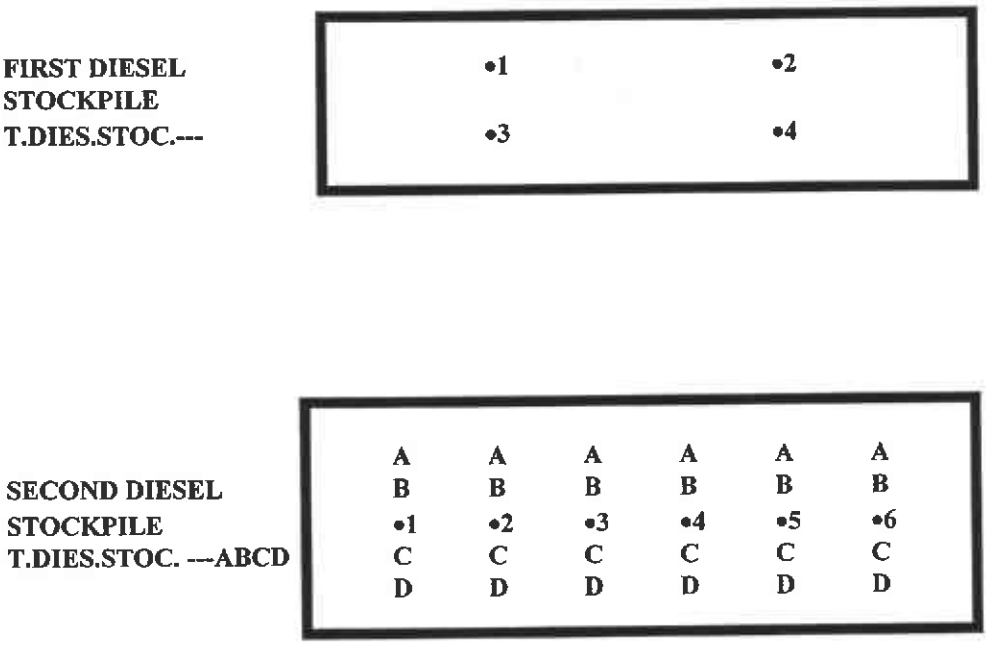
November 1995

Bayani 510.778-2681

FIGURE 9

CYPRESS "B" PHOENIX 800

LOCATION OF STOCKPILE CHARACTERIZATION SAMPLES



LIST OF TABLES

LIST OF TABLES

TABLE 1

ANALYTICAL RESULTS OF SOIL SAMPLES COLLECTED

BEFORE AND AFTER REMEDIATION OF FORMER DIESEL UST SITE

(TPH-D, EPA METHOD # 3550/8015M)

(October 20, 1995)

Sample I.D.	TPH-D (mg/Kg) Before	TPH-D (mg/Kg) After/Confirmatory	TPH-D (mg/Kg) PRG
DIS-N	1300	------	100
DIS-S	N.D.	------	100
2T14-6-W	------	30	100
2T13-6-0	------	22	100

PRG = Preliminary Remedial Goal

TABLE 2

ANALYTICAL RESULTS OF SOIL SAMPLES COLLECTED FROM THE GASOLINE TANK EXCAVATION

(TPH-G, EPA METHOD # 5030/8015M/8020)

(October 20, 1995)

Analyte	GAS-E (mg/kg)	GAS-W (mg/kg)	PRG (mg/kg)
TPH-Gasoline	27	N.D.	100
Benzene	N.D.	N.D.	31
Toluene	N.D.	N.D.	280
Ethyl Benzene	0.10	N.D.	74
Xylenes	0.05	N.D.	99
MTBE	N.D.	N.D.	-------

PRG = Preliminary Remedial Goal

N.D. = Non Detect

TABLE 3A

ANALYTICAL RESULTS OF SOIL AND LIQUID SAMPLES

COLLECTED FOLLOWING REMOVAL OF THE FIRST SOLVENT UST

(VOC'S, EPA METHOD # 8240/8260)

(October 15, 1995)

Analyte	Soil Sample #1 (mg/kg)	Soil Sample #2 (mg/kg)	Liquid Sample #3 (mg/l)
Acetone	1.90	3.10	660
Methyl Ethyl Ketone	N.D.	N.D.	3.6
Methylene Chloride	0.29	0.23	130
Toluene	1.90	1.20	60
Other*	N.D.	N.D.	N.D.

N.D. = Non Detect

TABLE 3B

ANALYTICAL RESULTS OF SOIL AND LIQUID SAMPLES COLLECTED FOLLOWING REMOVAL OF THE FIRST SOLVENT UST (SEMI-VOC'S, EPA METHOD # 3550/8270)

(October 15, 1995)

Analyte	Soil Sample #1 (mg/kg)	Soil Sample #2 (mg/kg)	Liquid Sample #3 (mg/l)
Phenol	ND	ND	10
1,4 - Dichlorobenzene	ND	ND	0.27
Benzyl Alcohol	ND	ND	0.18
1,2 - Dichlorobenzene	ND	ND	0.75
2 - Methylphenol	ND	ND	17
4 - Methylphenol	ND	ND	23
2,4 - Dimethyl Phenol	ND	ND	3.7
Fluoranthene	1.30	ND	ND
Pyrene	1.30	ND	ND
Benzo (A) Anthracene	0.69	ND	ND
Chrysene	1.0	ND	ND
Benzene (B) Fluoranthene	0.63	ND	ND
Benzo (A) Pyrene	1.30	ND	ND
Indeno (1,2,3 C,D) Pyrene	1.20	ND	ND
Other	ND	ND	ND

N.D. = Non Detect

TABLE 3C

ANALYTICAL RESULTS OF SOIL AND LIQUID SAMPLES

COLLECTED FOLLOWING REMOVAL OF THE FIRST SOLVENT UST

(CAM-17 METALS, EPA METHOD # 3050A M/6010/7471)

(October 15, 1995)

Analyte	Soil Sample #1 (mg/kg)	Soil Sample #2 (mg/kg)	Liquid Sample#3 (mg/l)	PRG Values (mg/kg)
Antimony	10	ND	ND	67
Arsenic	6.1	2.1	ND	4.6
Barium	87	61	1.2	12,000
Beryllium	ND	ND	ND	1.8
Cadmium	1.4	1.1	ND	24
Chromium	21	19	ND	170,000
Cobalt	ND	ND	ND	8,000
Copper	25	23	ND	5,000
Lead	770	480	6	840
Molybdenum	ND	ND	ND	830
Nickel	13	14	ND	44
Selenium	2.4	ND	ND	830
Silver	ND	ND	ND	830
Thallium	ND	ND	ND	14
Vanadium	15	15	ND	1,200
Zinc	130	150	48	50,000
Mercury	0.11	0.07	ND	45

N.D. = Non Detect

PRG = Preliminary Remedial Goal

TABLE 3D

ANALYTICAL RESULTS OF CONFIRMATORY SOIL SAMPLES

FROM FLOOR OF THE FIRST SOLVENT UST EXCAVATION

OIL & GREASE (EPA # 5520), VOC'S (EPA # 8240)

(October 24, 1995)

Analyte	Solv 1 Sample (mg/kg)	Solv 2 Sample (mg/kg)	DTSC Established PRGs (mg/kg)
Oil and Grease	130	130	1000
Acetone	0.089	0.041	
Ethyl Benzene	0.016	0.079	74
Toluene	0.049	0.040	280
Total Xylenes	0.022	0.11	99
Other	N.D.	N.D.	------

N.D. = Non Detect

PRG = Preliminary Remedial Goal

TABLE 3E

ANALYTICAL RESULTS OF CONFIRMATORY SOIL SAMPLES

FROM FLOOR OF THE FIRST SOLVENT TANK EXCAVATION

SEMI VOC'S (EPA # 8270)

(October 24, 1995)

Analyte	Solv 1 Sample (mg/kg)	Solv 2 Sample (mg/kg)	DTSC-Established PRGs (mg/kg)
Naphthalene	N.D.	4.4	82
4-Chloro-3-Methyl Phenol	N.D.	4.1	
Acenaphthene	N.D.	4.4	
DibenzoFurane	N.D.	3.2	
Fluorene	N.D.	3	
Phenathrene	N.D.	10	
Fluoranthene	N.D.	6.2	2300
Pyrene	N.D.	4.8	1700
Other	N.D.	N.D.	------

N.D. = Non Detect

PRG = Preliminary Remedial Goal

TABLE 3F

ANALYTICAL RESULTS OF CONFIRMATORY SOIL SAMPLES FROM FLOOR OF THE FIRST SOLVENT TANK EXCAVATION (CAM-17 METALS, EPA METHOD # 3050A M/6010/7471)

(October 24, 1995)

Analyte	Soil Sample #1 (mg/kg)	Soil Sample #2 (mg/kg)	PRG Values (mg/kg)
Antimony	3.7	N.D.	67
Arsenic	N.D.	N.D.	4.6
Barium	96	37	12,000
Beryllium	ND	N.D.	1.8
Cadmium	N.D.	N.D.	24
Chromium	23	21	170,000
Cobalt	N.D.	N.D.	8,000
Copper	63	8.7	5,000
Lead	670	58	840
Molybdenum	N.D.	N.D.	830
Nickel	15	15	44
Selenium	N.D.	N.D.	830
Silver	N.D.	N.D.	830
Thallium	N.D.	N.D.	14
Vanadium	18	15	1,200
Zinc	480	32	50,000
Mercury	0.25	0.07	45

N.D. = Non Detect

PRG = Preliminary Remedial Goal

TABLE 4A

ANALYTICAL RESULTS OF SOIL AND LIQUID SAMPLES COLLECTED FOLLOWING REMOVAL OF THE SECOND SOLVENT UST

VOC'S (EPA # 8240/8260)

(October 28, 1995)

Analyte	Liquid Sample (µg/l)	Soil Sample (µg/kg)
Acetone	83	N.D.
Benzene	61	N.D.
Methyl Ethyl Ketone	62	N.D.
Ethyl Benzene	56	N.D.
Styrene	29	N.D.
Toluene	48	N.D.
Total Xylenes	77	N.D.
Other*	N.D.	N.D.

N.D. = Non Detect

TABLE 4B

ANALYTICAL RESULTS OF SOIL AND LIQUID SAMPLES COLLECTED FOLLOWING REMOVAL OF THE SECOND SOLVENT UST

(SEMI VOC'S, EPA Method # 8270)

(October 28, 1995)

Analyte	Liquid Sample (µg/l)	Soil Sample (mg/kg)
m+P-Methylphenol	19	N.D.
2,4-Dimethyl Phenol	14	N.D.
Naphthalene	450	N.D.
2-MethylNaphthalene	100	N.D.
Other	N.D.	N.D.

N.D. = Non Detect

TABLE 5A

ANALYTICAL RESULTS FOR CHARACTERIZATION SAMPLING OF THE FIRST DIESEL STOCKPILE

TPH-D (EPA # 3550/8015M), LEAD (EPA # 6010)

(October 27, 1995)

Sample I.D. #	TPH-D (mg/kg) PRG= 100 mg/kg	Total Lead (mg/kg) PRG=840 mg/kg	TCLP Lead (mg/kg) PRG=5 mg/kg
T.DIES.STOC.1	N.D.	1.2	N.D.
T.DIES.STOC.2	N.D.	82	0.59
T.DIES.STOC.3	N.D.	38	N.D.
T.DIES.STOC.4	6.8	43	1.6

N.D. = Non Detect

PRG = Preliminary Remedial Goal

TABLE 5B

ANALYTICAL RESULTS FOR CHARACTERIZATION SAMPLING

OF THE SECOND DIESEL STOCKPILE

TRPH (EPA # 418.1), TPH-D (EPA # 3550/8015M), LEAD (EPA # 3050/7420)

(November 6, 1995)

Sample I.D. #	TRPH (mg/kg) PRG=1000 mg/kg	TPH-D (mg/kg) PRG= 100 mg/kg	LEAD (mg/kg) PRG=840 mg/kg
T DIES2.STOC.1A,B,C,D	110	N.D.	150
T DIES2.STOC.2A,B,C,D	69	1.8	36
T DIES2.STOC.3A,B,C,D	99	N.D.	74
T DIES2.STOC.4A,B,C,D	66	N.D.	90
T DIES2.STOC.5A,B,C,D	33	N.D.	46
T DIES2.STOC.6A,B,C,D	51	N.D.	76

N.D. = Non Detect

PRG = Preliminary Remedial Goal

TABLE 6A

ANALYTICAL RESULTS FOR CHARACTERIZATION SAMPLING OF THE SOLVENT STOCKPILES

(VOC'S, EPA # 8240)

(October 27, 1995)

Analyte	T.SOLV. STOC.1 (µg/kg)	T.SOLV. STOC.2 (µg/kg)	T.SOLV. STOC.3 (µg/kg)	T.SOLV. STOC.4 (µg/kg)	T.SOLV. STOC.5 (µg/kg)	T.SOLV. STOC.6 (µg/kg)
Tetrachloroethene	N.D.	N.D.	N.D.	N.D.	N.D.	13
Toluene	43	N.D.	N.D.	N.D.	N.D.	N.D.

N.D. = Non Detect

TABLE 6B

ANALYTICAL RESULTS FOR CHARACTERIZATION SAMPLING

OF THE SOLVENT STOCKPILES

(SEMI VOC'S, EPA # 8270)

(October 27, 1995)

Analyte	T.SOLV. STOC.1 (µg/kg)	T.SOLV. STOC.2 (µg/kg)	T.SOLV. STOC.3 (µg/kg)	T.SOLV. STOC.4 (µg/kg)	T.SOLV. STOC.5 (µg/kg)	T.SOLV. STOC.6 (µg/kg)
Anthracene	480	N.D.	N.D.	N.D.	N.D.	N.D.
Fluoranthene	470	N.D.	N.D.	N.D.	N.D.	N.D.
Pyrene	410	N.D.	N.D.	N.D.	N.D.	N.D.

N.D. = Non Detect

TABLE 6C

ANALYTICAL RESULTS FOR CHARACTERIZATION SAMPLING OF THE SOLVENT STOCKPILES

(CAM-17 METALS, EPA METHOD # 3050A M/6010/7471)

(October 27, 1995)

Analyte	T.SOLV. STOC.1 (mg/kg)	T.SOLV. STOC.2 (mg/kg)	T.SOLV. STOC.3 (mg/kg)	T.SOLV. STOC.4 (mg/kg)	T.SOLV. STOC.5 (mg/kg)	T.SOLV. STOC.6 (mg/kg)	PRG Values (mg/kg)
Antimony	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	67
Arsenic	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4.6
Barium	150	130	120	43	46	52	12,000
Beryllium	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.8
Cadmium	0.6	N.D.	N.D.	N.D.	N.D.	N.D.	24
Chromium	39	38	35	29	35	44	170,000
Cobalt	6.8	5.9	6.3	5.4	N.D.	5.3	8,000
Copper	50	46	34	12	13	12	5,000
Lead(TCLP)	1900 (24)	1400 (11)	550 (3.8)	52 (N.D.)	8.0 (N.D.)	41 (N.D.)	840 (5)
Mercury	0.13	0.07	0.093	0.022	0.014	17.7	45
Molybdenum	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	830
Nickel	24	24	23	24	20	24	44
Selenium	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	830
Silver	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	830
Thallium	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	14
Vanadium	27	25	25	21	23	27	1,200
Zinc	220	180	180	59	22	41	50,000

N.D. = Non Detect

PRG = Preliminary Remedial Goal

(TCLP) Concentrations are in $\mu g/l$

APPENDIX A

APPENDIX A1: UST EXCAVATION PERMIT FORMS

APPENDIX A2: SOLVENT TANK FORM 'B'
TANK DISCOVERY NOTIFICATION
HAZARDOUS MATERIALS RELEASE NOTIFICATION

APPENDIX A3: ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH UST REMOVAL REPORT

APPENDIX A1:

UST PERMIT FORMS

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY

DEPARTMENT OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PARKWAY, RM 250
ALAMEDA, CA 94502-6577
PHONE # 510/567-6700
FAX # 510/337-9335

Project Specialist: J. Cuerle
SUSAN HUGO

ACCEPTED

Underground Storage Tank Closure Permit Application
Alameda County Division of Hazardous Materials
80 Swan Way, Suite 200,
Oakland, CA 94621
Telephone: (510) 271-4320

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction/destruction.

One copy of the accepted [illegible] and available to all contractors and [illegible] with the removal.

Any changes [illegible] must be submitted to this Department and [illegible] and Building Inspections Department to determine if such changes meet the requirements of State and local laws.

Notify this Department at least 72 hours prior to the following required inspections: *

✓ Removal of Tank(s) and Piping
✓ Sampling
✓ Final Inspection

Issuance of a) permit to operate, b) permanent site closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

*THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS

Contact Specialist:

RECEIVED
JUN 28 1995
KASLER CORPORATION

Please note change made on page 1 of 5.
Susan L Hugo 7/22/95

UNDERGROUND TANK CLOSURE PLAN
*** * * Complete according to attached instructions * * ***

1. Name of Business Phoenix Iron Works
   Business Owner or Contact Person (PRINT) Victor Salazar
2. Site Address ~~800~~ 888 Cedar Street
   City Oakland Zip Ca 94607 Phone
3. Mailing Address 1545 Willow Street
   City Oakland Zip CA 94607 Phone (510) 286-1366
4. Property Owner California Department of Transportation
   Business Name (if applicable) Caltran District 04
   Address 1545 Willow Street
   City, State Oakland Zip CA 94607
5. Generator name under which tank will be manifested
   Caltrans
   EPA ID# under which tank will be manifested ~~CAL000121633~~ CAC001029656

* Fire Extinguisher must be on site at all times

rev 4/6/95

* A copy of the Health & Safety Plan must be at the

6. Contractor CEECON

Address 1517 Palmetto Avenue, Suite 4

City Pacifica, CA 94044 Phone (415) 738-1115

License Type* A ID# 589926 3/31/94

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board.

7. Consultant (if applicable) OGISO Environmental

Address 387 17th Street, Suite 210

City, State Oakland, CA 94612 Phone (510) 452-0246

8. Main Contact Person for Investigation (if applicable)

Name Ola Balogun Title

Company

Phone

9. Number of underground tanks being closed with this plan 2

Length of piping being removed under this plan

Total number of underground tanks at this facility (**confirmed with owner or operator) 2

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

** Underground storage tanks must be handled as hazardous waste **

a) Product/Residual Sludge/Rinsate Transporter CAR000000185?

Name Loyal Moore Trucking EPA I.D. No.

Hauler License No. 182124 License Exp. Date Feb 1996

Address 410 Kennedy Street

City Oakland State CA Zip 94606

b) Product/Residual Sludge/Rinsate Disposal Site

Name Evergreen EPA ID#

Address

City State Zip

c) Tank and Piping Transporter

Name Loyal Moore Truckin EPA I.D. No. _____

Hauler License No. 182124 License Exp. Date Feb 1996

Address 410 Kennedy Street

City Oakland State CA Zip 94606

d) Tank and Piping Disposal Site

Name Erickson EPA I.D. No. _____

Address _____

City _____ State _____ Zip _____

11. Sample Collector

Name O/a

Company OGISO Environmental

Address 387 17th Street, Suite 210

City Oakland State CA Zip 94612 Phone (510) 452-0246

12. Laboratory

Name Sparger Technology, Inc.

Address 3050 Fite Circle, Suite 112

City Sacramento State CA Zip 95827

State Certification No. 1614

13. Have tanks or pipes leaked in the past? Yes[ ] No[X] Unknown[ ]

If yes, describe. _____

14. Describe methods to be used for rendering tank(s) inert:

1.5 lb dry ice per 100 gal UST

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be permanently plugged.

The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas indicator on-site to verify that the tank is inert.

15. **Tank History and Sampling Information *** (see instructions) *****

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
300 gal	diesel	soil + gw if found	2' below bottom of USTs
1000 gal	gasoline	"	

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

Soil sample must be collected underneath the dispenser.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (estimated)	**Sampling Plan**
	1 discrete per 20 yd³ if soil reused onsite O K as per landfill

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

Will the excavated soil be returned to the excavation immediately after tank removal? [ ] yes [ ] no [X] unknown

If yes, explain reasoning wait for lab results

If unknown at this point in time, please be aware that excavated soil may not be returned to the excavation without prior approval from Alameda County. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling operations.

16. **Chemical methods and associated detection limits to be used for analyzing samples:**
The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

17. **Submit Site Health and Safety Plan (See Instructions)**

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
TPHd	3550	GCFID	
TPHg	5030	"	
BTEX		8020 or 8240	
Lead	AA		

18. Submit Worker's Compensation Certificate copy

Name of Insurer State Fund

19. Submit Plot Plan ***(See Instructions)***

20. Enclose Deposit (See Instructions)

21. **Report any leaks or contamination to this office within 5 days of discovery.**
The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.

22. **Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.**

23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner)

I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business CALTRANS OG150 Environmental

Name of Individual Ola BALOGUN

Signature [signature] Date June 27, 1995

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business CALTRANS

Name of Individual Victor Salazar

Signature [signature] Date 7-5-95

ALAMEDA COUNTY ENVIRONMENTAL PROTECTION DIVISION

DECLARATION OF SITE ACCOUNT REFUND RECIPIENT

There may be excess funds remaining in the Site Account at the completion of this project. The PAYOR (person or company that issues the check) will use this form to predesignate another party to receive any funds refunded at the completion of this project. In the absence of this form, the PAYOR will receive the refund.

SITE INFORMATION:

Site ID Number
(if known)

Phoenix Iron Works
Name of Site

800 Cedar Street
Street Address

Oakland, CA 94607
City, State & Zip Code

I designate the following person or business to receive any refund due at the completion of all deposit/refund projects:

OGISO
Name

387 17th Street, Suite 210
Street Address

Oakland, CA 94612
City, State & Zip Code

Signature of Payor

Date

Name of Payor
(PLEASE PRINT CLEARLY)

Company Name of Payor

RETURN FORM TO:

County of Alameda, Environmental Protection
1131 Harbor Bay Parkway, Rm 250
Alameda CA 94502-6577
Phone#(510) 567-6700

Excavation Permit Granted _____ No. _____

CITY OF OAKLAND

Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks.

Tank Permit No. 9942

Oakland, California, July 25, 1995 19 95

PERMISSION IS HEREBY GRANTED TO ~~XXXX~~ remove ~~XXXX~~ DIESEL Gasoline tank and excavate commencing _____ feet inside _____ line

on the _____ side of _____ Street Avenue _____ feet _____ of _____ Street Avenue

House No. 888 Cedar St., Oakland, 94607 Street Avenue Present Storage _____

Owner CALTRANS Address 1545 Willow St. Oakland Phone 286-1366

Applicant OGISO Address 387 17th St., #210 Oakland, 94612 Phone 452-0246

Dimensions of street (sidewalk) surface to be disturbed _____ X _____ Number of Tanks 2 Capacity 300,1000 Gallons, each.

Remarks: _____

This Permit is granted in accordance with existing City Ordinances.
Owner hereby agrees to remove tanks on discontinuance of use or when notified by the City Authorities.
When installing, removing or repairing tanks, no open flame to be on or near premises.

Approved _____
Fire Marshal

Approved _____
Drainage Division Engineering Dept.

EXCAVATING PERMIT

Issued in accordance with Ord. No. 278 CMS, Sec. 6-2.04

_____ square feet of digging or removal granted.

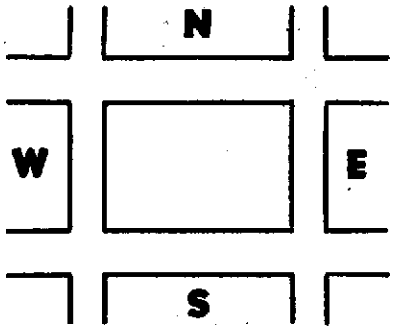
The receipt of $ _____ special deposit is hereby acknowledged.

GENERAL DEPOSIT.

BUREAU OF PERMITS AND LICENSES.

Inspection Fee Paid . . . . . $ 200.00 (cash)

Received by S. Smith receipt#725522
FIRE PREVENTION BUREAU



CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on _____ 19 _____

By _____
Fire Marshal

NOTICE

Before Covering Tanks, Above Certificate Must Be Signed.

When ready for inspection notify Fire Prevention Bureau, 273-3851

THIS PERMIT MUST BE LEFT ON THE WORK AS AUTHORITY THEREFOR.

(8-67)

Excavation Permit Granted _____ No. _____

CITY OF OAKLAND

Tank Permit

Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks. No. 9941

Oakland, California, July 25, 1995 19 95

PERMISSION IS HEREBY GRANTED TO ~~XXXX~~ remove ~~XXXX~~ Gasoline tank and excavate commencing _____ feet Inside _____ line on the _____ side of _____ Street Avenue _____ feet _____ of _____ Street Avenue

House No. 727 Pine Street Street Avenue Present Storage _____

Owner CalTrans Address 1545 Willow St. Phone 2861366

Applicant OGISO Address 387 17th St., #210 Phone 452-0246

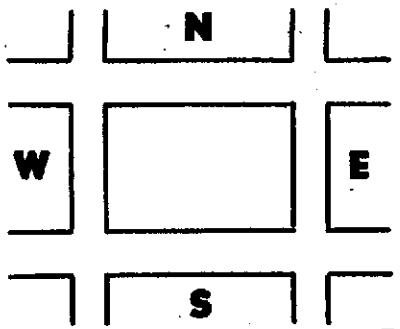
Dimensions of street (sidewalk) surface to be disturbed _____ X _____ Number of Tanks 1 Capacity 1000 Gallons, each.

Remarks: _____

This Permit is granted in accordance with existing City Ordinances.
Owner hereby agrees to remove tanks on discontinuance of use or when notified by the City Authorities.
When installing, removing or repairing tanks, no open flame to be on or near premises.

Approved _____
Fire Marshal

Approved _____
Drainage Division Engineering Dept.



EXCAVATING PERMIT

Issued in accordance with Ord. No. 278 CMS, Sec. 6-2.04

_____ square feet of digging or removal granted.

The receipt of $ _____ special deposit is hereby acknowledged.

GENERAL DEPOSIT.

BUREAU OF PERMITS AND LICENSES.

CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on _____ 19 ____

By _____
Fire Marshal

Inspection Fee Paid . . . . . $ 150.00

Received by S. Smith receipt#725521
FIRE PREVENTION BUREAU

NOTICE

Before Covering Tanks, Above Certificate Must Be Signed.

When ready for inspection notify Fire Prevention Bureau, 273-3851

THIS PERMIT MUST BE LEFT ON THE WORK AS AUTHORITY THEREFOR.

338.68 (6-67)

APPENDIX A2:

SOLVENT TANK FORM 'B'

TANK DISCOVERY NOTIFICATION

HAZARDOUS MATERIALS RELEASE NOTIFICATION

OGISO

Professionals in Environmental Sustenance

OGISO Environmental

150 W. Iowa Ave., Ste 200
P.O. Box 61025
Sunnyvale, CA 94086
Tel (408) 245-9801/9802
FAX (408) 245-3870

387 17th St., Ste 210
Oakland, CA 94612
Tel (510) 452-0246
FAX (510) 452-5282

October 17, 1995

Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502
Attn: Ms. Susan Hugo

Dear Ms. Hugo:

RE: UNDER GROUND STORAGE TANK REMOVAL PERMIT

Following our telephone conversation and per your request, I am writing to inform you of the accidental discovery of an additional underground storage tank at the Phoenix Iron Works Site located on 888 Cedar Street, Oakland.

The capacity of the underground storage tank is estimated to be 250 gallons. Analytical results of the liquid content indicate presence of Toluene, Acetone, Phenols and Dichlorobenzenes. The Health and Safety Plan has been modified to incorporate the new findings.

As suggested, please change the number of underground storage tanks to be closed from 2 to 3 in the previous Underground Tank Closure Plan submitted for this site in June 1995. A separate Form B for this tank and site plan showing the approximate location of the new underground storage tank are attached.

The removal operations of the three tanks have been scheduled for Friday, October 20, 1995.

If you have any questions, please contact me. Thank you.

Ola Balogun, PE

Professionals in Environmental Sustenance

OGISO Environmental

150 W. Iowa Ave., Ste 200
P.O. Box 61025
Sunnyvale, CA 94086
Tel (408) 245-9801/9802
FAX (408) 245-3870

387 17th St., Ste 210
Oakland, CA 94612
Tel (510) 452-0246
FAX (510) 452-5282

October 30, 1995

Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502
Attn: Ms. Susan Hugo

Dear Ms. Hugo:

RE: UNDER GROUND STORAGE TANK REMOVAL PERMIT

Following our telephone conversation and per your request, I am writing to inform you of an additional underground storage tank accidentally encountered on October 28, 1995 at the Phoenix Iron Works Site located on 888 Cedar Street, Oakland.

The capacity of the underground storage tank is estimated to be 25 - 30 gallons. Analytical results of the liquid content indicate presence of trace amount of Toluene, Acetone, Phenols, Xylenes, Ethylbenzene, and Methyl Ether Ketone. The Health and Safety Plan has been modified to incorporate these new findings.

Please change the number of underground storage tanks to be closed from 3 to 4 in the previous Underground Tank Closure Plan submitted for this site in June 1995. A separate Form B for this tank and site plan showing the approximate location of the new underground storage tank are attached.

The removal operation for this tank is scheduled for Tuesday, October 31, 1995. A closure report will be submitted at a later date.

If you have any questions, please contact me. Thank you.

Ola Balogun, PE

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

MARK ONLY ONE ITEM
☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☑ 4 AMENDED PERMIT ☐ 3 RENEWAL PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☐ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED:

I. TANK DESCRIPTION
COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # Unknown
B. MANUFACTURED BY: Unknown
C. DATE INSTALLED (MO/DAY/YEAR) Unknown
D. TANK CAPACITY IN GALLONS: 25-30 gallons

II. TANK CONTENTS
IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN
B. ☐ 1 PRODUCT ☐ 2 WASTE
C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. # :

III. TANK CONSTRUCTION
MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☐ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☑ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☐ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☑ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☑ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☑ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION
CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER
B. CONSTRUCTION: A U 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER
D. LEAK DETECTION: ☐ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☐ 99 OTHER

V. TANK LEAK DETECTION
☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☑ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) Unknown
2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS
3. WAS TANK FILLED WITH INERT MATERIAL ? YES ☐ NO ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) Douglas Johnson Douglas Johnson For Cal. DOT
DATE 10-30-95

LOCAL AGENCY USE ONLY
THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.# COUNTY # JURISDICTION # FACILITY # TANK #

PERMIT NUMBER | PERMIT APPROVED BY/DATE | PERMIT EXPIRATION DATE

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

(12-91)

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: [✓] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [ ] 6 TEMPORARY TANK CLOSURE [ ] 7 PERMANENTLY CLOSED ON SITE [ ] 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED:

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # UNKNOWN	B. MANUFACTURED BY:
C. DATE INSTALLED (MO/DAY/YEAR) UNKNOWN	D. TANK CAPACITY IN GALLONS: 300, 1000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. [ ] 1 MOTOR VEHICLE FUEL [ ] 4 OIL [✓] 2 PETROLEUM [ ] 80 EMPTY [ ] 3 CHEMICAL PRODUCT [ ] 95 UNKNOWN

B. [ ] 1 PRODUCT [ ] 2 WASTE

C. [ ] 1a REGULAR UNLEADED [ ] 1b PREMIUM UNLEADED [ ] 2 LEADED [ ] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [ ] 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: [ ] 1 DOUBLE WALL [✓] 2 SINGLE WALL [ ] 3 SINGLE WALL WITH EXTERIOR LINER [ ] 4 SECONDARY CONTAINMENT (VAULTED TANK) [ ] 95 UNKNOWN [ ] 99 OTHER

B. TANK MATERIAL (Primary Tank): [✓] 1 BARE STEEL [ ] 2 STAINLESS STEEL [ ] 3 FIBERGLASS [ ] 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC [ ] 5 CONCRETE [ ] 6 POLYVINYL CHLORIDE [ ] 7 ALUMINUM [ ] 8 100% METHANOL COMPATIBLE W/FRP [ ] 9 BRONZE [ ] 10 GALVANIZED STEEL [ ] 95 UNKNOWN [ ] 99 OTHER

C. INTERIOR LINING: [ ] 1 RUBBER LINED [ ] 2 ALKYD LINING [ ] 3 EPOXY LINING [ ] 4 PHENOLIC LINING [ ] 5 GLASS LINING [ ] 6 UNLINED [✓] 95 UNKNOWN [ ] 99 OTHER

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. CORROSION PROTECTION: [ ] 1 POLYETHYLENE WRAP [ ] 2 COATING [ ] 3 VINYL WRAP [ ] 4 FIBERGLASS REINFORCED PLASTIC [ ] 5 CATHODIC PROTECTION [ ] 91 NONE [✓] 95 UNKNOWN [ ] 99 OTHER

E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER

B. CONSTRUCTION: A U 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER

D. LEAK DETECTION: [ ] 1 AUTOMATIC LINE LEAK DETECTOR [ ] 2 LINE TIGHTNESS TESTING [ ] 3 INTERSTITIAL MONITORING [ ] 99 OTHER

V. TANK LEAK DETECTION

[ ] 1 VISUAL CHECK [ ] 2 INVENTORY RECONCILIATION [ ] 3 VADOZE MONITORING [ ] 4 AUTOMATIC TANK GAUGING [ ] 5 GROUND WATER MONITORING [ ] 6 TANK TESTING [ ] 7 INTERSTITIAL MONITORING [ ] 91 NONE [✓] 95 UNKNOWN [ ] 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES [ ] NO [ ]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
FOR CALTRANS Victor Salazar VICTOR SALAZAR	7-5-95

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.# COUNTY # [ ][ ] JURISDICTION # [ ][ ][ ] FACILITY # [ ][ ][ ][ ][ ][ ] TANK # [ ][ ][ ][ ][ ][ ]

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

JB
Boy

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

ALAMEDA COUNTY
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PKWY., #250
ALAMEDA CA 94502-6577 CC4530

] HAZARDOUS MATERIALS RELEASE AND NOTIFICATION REPORT (H&SC 25180.7)
] EMERGENCY RESPONSE

1 INFORMATION RECEIVED BY: Shirley A. Simril / Susan Hugo was notified (By OIA)
DATE: 10/19/95 TIME: 10:00

2 INCIDENT LOCATION: 888 - Cedar St.
CITY: Oakland ZIP: 94607

3 DATE OF INCIDENT: 10/15/95 TIME OF INCIDENT: Noon
4 REPORTED BY: OIA AGENCY: OBISO Environmental
ADDRESS: 1504 - Franklin St #3040 CITY, ZIP: Oakland
TELEPHONE: 451-5271 CONTACT: same
PHONE: same

5 TYPE OF DISCHARGE:
[ ] Discharge from vehicle License Plate No.
Manifest/Shipping Information:
[X] Abandoned Material [ ] fixed facility
Name: Under Ground Tank Address:
City: Oakland, Ca Zip Code:
[ ] Other (specify)

6 ESTIMATED QUANTITY DISCHARGED: Size of Tank 250gal. about ½ spill
QUANTITY THREATENED TO BE RELEASED: 80 gallon estimate

7 NATURE OF MATERIAL:
[ ] Solid [X] Liquid [ ] Gas [ ] Powder [ ] Granular
[ ] Radioactive [ ] Other
Chemical Name: Solvent Common Name:

8 HAZARDOUS PROPERTIES: [ ] Corrosive [ ] Ignitable [ ] TOXIC
[ ] Reactive [X] Other

9 HAZARDOUS MATERIAL WAS RELEASED TO:
[ ] Air [ ] Storm Drain [ ] San Francisco Bay [ ] Sanitary Sewer
[ ] Other Natural Waterway (creek, lake, reservoir) [ ] Groundwater
[X] Groundsurface (soil, road, etc.) [ ] Other (specify)

.0 WEATHER CONDITIONS: Sunny & Windy

.1 NUMBER OF INJURED PERSONS REQUIRING HOSPITALIZATION: None
Names and Addresses of Hospitals Utilized:

PERSONS PRESENT AT SCENE:

Name:	Affiliation:	Phone:
OIA	engineer	451-5771
Jeff Rocca	Operator	~~415~~-738-1115

RESPONSIBLE PARTY:
Name: CAL TRANS-Victor
Address: 1545 Willow St. Salazar Phone: 286-1366

EVIDENCE COLLECTED (samples, photographs, etc.)
Soil & liquid content of tank

CLEAN-UP ACTIONS: Still there - will clean-up on 10/20/95

Names and Addresses of Persons Doing Clean-up: * They were removing 2 tanks a 3rd tank appeared & got puncture & caused a spill.
G150 Sw - OIA

Description of Clean-up Actions:

TIME INCIDENT CLOSED:

ELAPSED TIME:

[ ] DISCHARGE NOT TO BE NOTIFIED:
___ Unlikely to Cause Substantial Injury to Public Health & Safety
___ Public Knowledge ___ Ongoing Criminal Investigations
___ Permitted Discharge ___ Other

[ ] DISCHARGE TO BE NOTIFIED:
Factors Determining That This Hazardous Waste Discharge Or Potential Discharge Is Likely To Cause Substantial Injury To The Public Health Or Safety:

NOTIFICATION:
___ Board of Supervisors
___ Health Officer
___ Alameda County Press Room
___ Reporting Agency or Individual

By copy of this report to the above listed agencies and officials, we are hereby submitting this information on behalf of all designated employees of the Department of Environmental Health, according to Section 25180.7, Health & Safety Code. The information submitted in this report is based upon the best available information at the time the report was completed.

Inspector's Name: ______________________ Date: ________
Inspector's Signature: ______________________

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

ALAMEDA COUNTY
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PKWY., #250
ALAMEDA CA 94502-6577 CC4530

[ ] HAZARDOUS MATERIALS RELEASE AND NOTIFICATION REPORT (H&SC 25180.7)
[X] EMERGENCY RESPONSE

1 INFORMATION RECEIVED BY: Shirley M. Simril
DATE: 10/30/95 TIME:

2 INCIDENT LOCATION: 888 Cedar St
CITY: Oakland ZIP: 94607

3 DATE OF INCIDENT: 10/28/95 TIME OF INCIDENT: 10 Am
4 REPORTED BY: Ola Balogun AGENCY: OGISO
ADDRESS: 1504 Franklin #304 CITY, ZIP: Oakland 94612-
TELEPHONE: 451-5772 CONTACT: OA
PHONE: 451-5772

5 TYPE OF DISCHARGE:
[ ] Discharge from vehicle License Plate No.
Manifest/Shipping Information:
[X] Abandoned Material [ ] fixed facility
Name: Solvent Address: 888 - Cedar St.
City: Oakland Zip Code: 94607
[ ] Other (specify)

6 ESTIMATED QUANTITY DISCHARGED: 25 gal estimated 1 gal spill
QUANTITY THREATENED TO BE RELEASED: 1 gal

7 NATURE OF MATERIAL:
[ ] Solid [X] Liquid [ ] Gas [ ] Powder [ ] Granular
[ ] Radioactive [ ] Other
Chemical Name: Solvent Cacidtone Common Name: Solvent

8 HAZARDOUS PROPERTIES: [ ] Corrosive [ ] Ignitable [ ] TOXIC
[ ] Reactive [X] Other

9 HAZARDOUS MATERIAL WAS RELEASED TO:
[ ] Air [ ] Storm Drain [ ] San Francisco Bay [ ] Sanitary Sewer
[ ] Other Natural Waterway (creek, lake, reservoir) [ ] Groundwater
[X] Groundsurface (soil), road, etc.) [ ] Other (specify)

10 WEATHER CONDITIONS: Sunny

11 NUMBER OF INJURED PERSONS REQUIRING HOSPITALIZATION: None
Names and Addresses of Hospitals Utilized:

PERSONS PRESENT AT SCENE:

Name:	Affiliation:	Phone:
Hamid	OCHSO	451-5772
Jeff Rocca	DeeCon	415-738-1115

RESPONSIBLE PARTY:
Name: CAL TRANS Phone: 286-1366
Address: 1545 Willow St

EVIDENCE COLLECTED (samples, photographs, etc.)

CLEAN-UP ACTIONS: IN the Process (escavating the Soil)

Names and Addresses of Persons Doing Clean-up:
OC-HSO

Description of Clean-up Actions:
Escavating the Soil

TIME INCIDENT CLOSED: ON Going

ELAPSED TIME:

[ ] DISCHARGE NOT TO BE NOTIFIED:
___ Unlikely to Cause Substantial Injury to Public Health & Safety
___ Public Knowledge ___ Ongoing Criminal Investigations
___ Permitted Discharge ___ Other

[ ] DISCHARGE TO BE NOTIFIED:
Factors Determining That This Hazardous Waste Discharge Or Potential Discharge Is Likely To Cause Substantial Injury To The Public Health Or Safety:

NOTIFICATION:
___ Board of Supervisors
___ Health Officer
___ Alameda County Press Room
___ Reporting Agency or Individual

By copy of this report to the above listed agencies and officials, we are hereby submitting this information on behalf of all designated employees of the Department of Environmental Health, according to Section 25180.7, Health & Safety Code. The information submitted in this report is based upon the best available information at the time the report was completed.

Inspector's Name: Date:
Inspector's Signature:

He has spoken to Susan Hugo.

APPENDIX A3:

ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

UST REMOVAL REPORT

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name CAL TRANS/FORMER Today's Date 10/20/95

Site Address 888 CEDAR STREET

City OAKLAND Zip 94608 Phone ______

_____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER

✓ II. Hazardous Materials Business Plan, Acutely Hazardous Materials

✓ III. Underground Storage Tanks

* Oakland Fire Dept - not available requested ACDEH to oversee tank's removal.

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments: 2 USTs Removed: #95592442 TANK'S Hauler = ERICKSON #61625821(?)51
→ TANK'S Manifest = (95592816 contents)

#1 TANK (diesel, aprox 1000 gal.) Steel tank appeared corroded; hole at the bottom (some liquid dripping).
LEL = 0% O2 = (1.5% bottom) & 4.2% top
One soil sample collected from each end of the tank. (aprox. 8 ft).

#2 TANK (Gasoline; aprox 2600 gal) steel tank appeared corroded; some pitting; no obvious holes.
LEL = 2.0% O2 = 0.6% MTBE will be added as target analytes. One soil sample collected fr. each end of the tank. (aprox. 8 ft bgs).

Stockpiled soil generated during the removal of the tank must be characterized for disposal.
The area of the former tanks will be part of the 60 ft excavation for the Cypress reconstruction. Limited overexcavation will be conducted around the tank. ~~Collected~~ Verification soil samples must be collected (Schedule with the County).

II, III

Contact OLA BALOGUN

Title Engineer

Signature [signature]

Inspector SUSAN L. HUGO

Signature [signature]

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

Hazardous Materials Inspection Form

II, III

CAL TRANS /

Site ID # 4047 Site Name Former Fire Station #3 Today's Date 10/20/95

Site Address 727 PINE STREET

City OAKLAND Zip 94607 Phone _____

_____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
✓ III. Underground Storage Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments: Tank's Hauler = Erickson #616258 exp 5/
1 UST removed Tank's manifest = 95592442
1000 gal fiberglass - diesel
LEL = 0% O2 = 7.0%
Oakland Fire Dept (Inspector Gilbert Cody) not present requested the ACDEH to oversee tanks activities.
The tank appeared to be in good shape.
One Soil Sample collected fr. each end of the tank.
A monitoring well was located near the tank area.
Stockpiled soil generated from the tank's removal must be Characterized for disposal.
The dispenser was removed. One soil sample underneath the dispenser collected.
All pipings associated with the tank must be removed & samples collected (one per 20 linear ft.).
North soil sample appeared to have strong discoloration
South soil sample appeared not to have strong discoloration, compared to north sample.

Contact OLA BALOGUN
Title Engineers
Signature Ola Balog-1

II, III

Inspector SUSAN L. HUGO
Signature Susan L. Hugo

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

Hazardous Materials Inspection Form

II, III

Site ID # 612 Site Name Phoenix Iron Works Today's Date 10/23/95

Site Address 888 Cedar Street

City Oakland Zip 946[illegible] Phone

_____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER

____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials

✓ III. Underground Storage Tanks

Solvent tank

OAKDALE FIRE ON SCENE ~200 gallon

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments: On site for removal of ~250 gallon UST encountered during demolition process. Tank contents have previously leaked from site due to action of backhoe. There is a discharge of liquid from fracture of the UST in the pit - Several photographs taken of area. Tank level = Ø. Tank fractured therefore [illegible]. [illegible] with CO₂ - -

Note aromatic odor noted in area of tank

Required actions

- Sample under tank in closest proximity to site.
- Sample for BTEX, Solvents, Waste TOG, TPH, CAM 17 metal
- Sample water/liquid in pit area for same
- Send results to this office c/o Susan Hugo (2 weeks)
- Sample stockpile soils according to TRI Regional guidelines
- Cover/berm stockpiled soils
- Remove liquid from tank (and pit if possible.
- Provide manifest for tank (copy)
- Provide manifest for liquid removed from pit
- Submit final report of findings - 30 days

II, III

Contact OlA BALOGUN

Title Engineer

Signature [signature]

Inspector [signature]

Signature

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

Hazardous Materials Inspection Form

II, III

Site ID # 612 Site Name Phoenix Iron Today's Date 10/23/95

Site Address 888 Cedar St

City Oakland Zip 94607 Phone

_____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- ____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
- _✓_ III. Underground Storage Tanks Removal

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments: actual Tank Removal Sheen on liquid in Pit

Tank was Removed under Level "B" Backup

actual Workers were in Level "C" & Regular

Monitoring took place using (2) TWO PIDs

VOCs

TANK Contents Contents ↑ 7000 PPM - by PID

Further innertion with Dry Ice took place

– TANK TO Be Wrapped for transport/disposal

by Erickson.

Manifest # Not onsite yet

1200pm tank still on Site

Contact OLA BALOGUN

Title Engineer

Signature [signature]

Inspector [signature]

Signature

II, III

APPENDIX B:

TANK DISPOSAL MANIFESTS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-96)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

95592442

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAAG00929029 | **Manifest Document No.** 92442 | **2. Page 1 of 1** | Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
DEPT OF TRANS (CALTRANS) STATE OF CA
1545 Willow ST, OAKLAND CA 94607

4. Generator's Phone (510) 286-1367

A. State Manifest Document Number 95592442

B. State Generator's ID [illegible]

5. Transporter 1 Company Name Erickson Inc.
6. US EPA ID Number CAD009466392

C. State Transporter's ID 46258
D. Transporter's Phone [illegible]

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

9. Designated Facility Name and Site Address
Erickson, Inc.
255 Parr Blvd.
Richmond, CA. 94801

10. US EPA ID Number CAD009466392

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON-RCRA Hazardous Waste Solid Waste Empty Storage Tank.	003	TP	04000	P	[illegible]
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Qty 3 Empty Storage Tank(s) #16718 16719 [illegible]
[illegible] Tank(s) have been inerted with [illegible]
lbs Dry Ice Per 1000 Gallon Capacity.

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Keep away from sources of ignition. Always wear hardhats when working around U.G.S.T.'s 24 Hr. Contact Name.__________ & Phone __________

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
ANDREW NORRIS	[signature]	10	20	95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Steve Fleming	[signature]	10	20	95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

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.

DTSC 8022A (1/95)
EPA 8700—22

Yellow GENERATOR RETAINS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-96)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	CAP000290029
Manifest Document No.	92474
2. Page 1 of 1	
Information in the shaded areas is not required by Federal law.	CALTOAK CA93TEMP
3. Generator's Name and Mailing Address	CAL TRANS 1545 WILLOW ST. OAKLAND, CA 94607-1525 ATTN: ANDREW NORRIS
4. Generator's Phone	510) 286 - 1367
A. State Manifest Document Number	95592[illegible]
B. State Generator's ID	[illegible]
5. Transporter 1 Company Name	ERICKSON INC.
6. US EPA ID Number	CAD009466392
C. State Transporter's ID	602419
D. Transporter's Phone	(510) 235 - 1393
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	ERICKSON INC. 255 PARR BLVD. RICHMOND, CA 94801
10. US EPA ID Number	CAD009466392
G. State Facility's ID	
H. Facility's Phone	(510) 235 - 1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ, HAZARDOUS WASTE SOLID, N.O.S. (METHYLENE CHLORIDE, ACETONE), 9, NA 3077, III ERG # 31	001	CM	250	P	State [illegible] EPA/Other [illegible]
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
EMPTY TANK, PROFILE [illegible] [illegible]
F003, F005
10134

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Andrew Norris
(510) 286-1367
OE P.O.: OE JOB: 4-314714 (465)
24 HR. EMERGENCY CONTACT
CAL TRANS DISPATCH
24 HR. EMERGENCY PHONE
(510) 286 - 4311

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month	Day	Year
Andrew Norris	[signature]	10	23	95

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Paul Jacobo	[signature]	10	23	95

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

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/95)
EPA 8700—22

Yellow: GENERATOR RETAINS

Form Approved OMB No. 2050-0039 (Expires 9-30-96)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAP600929029
Manifest Document No.: 92479
2. Page 1 of 1

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

CALTCYP CA93TEM

3. Generator's Name and Mailing Address
CALTRANS
1545 WILLOW ST.
OAKLAND, CA 94607-1525
SITE: CYPRESS B
800 CEDAR ST.

4. Generator's Phone (510) 296-1367

A. State Manifest Document Number: 9559247
B. State Generator's ID: HMHD3 6

5. Transporter 1 Company Name: ERICKSON INC.
6. US EPA ID Number: CAD009466392
C. State Transporter's ID: 601399
D. Transporter's Phone: (510) 235 - 1393

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
ERICKSON INC.
255 PARR BLVD.
RICHMOND, CA 94801
10. US EPA ID Number: CAD009466392
G. State Facility's ID:
H. Facility's Phone: (510) 235 - 1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. HAZARDOUS WASTE SOLID, N.O.S. (CRESOL, METHYL ETHYL KETONE), 9, NA 3077, III ERG # 31	001	TP	00	P	State 612; EPA/Other F003
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. EMPTY STORAGE TANK PROFILE RA-0120,
EPA/OTHER: F004,F005

K. Handling Codes for Wastes Listed Above
b.
d.

15. Special Handling Instructions and Additional Information
24 HR. EMERGENCY CONTACT
HARRISON L. STOCKTON
24 HR. EMERGENCY PHONE
(510) 235 - 1393
OE P.O.: OE JOB:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: ANDREW NORRIS
Signature: [signature]
Month Day Year: 10 31 95

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: PAUL JACOBO
Signature: Paul Jacobo
Month Day Year: 10 31 95

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

9559247 9

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/95)
EPA 8700—22

Yellow GENERATOR RETAINS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-96)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

95592819

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAP600929029928
Manifest Document No.: [illegible]
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.
ENVPWST CA93TEM

A. State Manifest Document Number: 955928[illegible]
B. State Generator's ID: [illegible]

3. Generator's Name and Mailing Address: Department of Transportation State of California, 1545 Willow St 94607, Oakland CA
4. Generator's Phone: (510) 286 1367

5. Transporter 1 Company Name: ERICKSON INC.
6. US EPA ID Number: CAD009466392

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

9. Designated Facility Name and Site Address:
PRC PATTERSON, INC.
13331 N. HWY. 33
PATTERSON, CA 95363

10. US EPA ID Number: CAD008316720

GENERATOR

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. RQ, HAZARDOUS WASTE LIQUID, N.O.S. (BENZENE), 9, NA 3082, III (D018) ERG # 31	001	TT	00516	G
b.				
c.				
d.				

J. Additional Descriptions for Materials Listed Above: PROFILE# [illegible]
TANK RINSATE: WATER 7[illegible] GASOLINE [illegible]
[illegible]-2%, OIL [illegible]-2%

15. Special Handling Instructions and Additional Information
24 HR. EMERGENCY CONTACT
HARRISON L. STOCKTON
24 HR. EMERGENCY PHONE
(510) 235 - 1393
OE P.O.: OE JOB:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month	Day	Year
Andrew Norris	[signature]	10	20	95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
ALFRED DAVIS	[signature]	10	20	95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

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.

DTSC 8022A (1/95)
EPA 8700—22

Yellow: GENERATOR RETAINS

APPENDIX C:

APPENDIX C1: DIESEL AND GASOLINE UST CHAIN- OF-CUSTODY AND LABORATORY ANALYTICAL REPORT

APPENDIX C2: SOLVENT UST CHAIN-OF-CUSTODY AND LABORATORY ANALYTICAL REPORT

APPENDIX C3: STOCKPILE CHAIN-OF-CUSTODY AND LABORATORY ANALYTICAL REPORT

APPENDIX C1:

DIESEL AND GASOLINE UST CHAIN- OF-CUSTODY AND LABORATORY ANALYTICAL REPORT

CHAIN OF CUSTODY RECORD
REQUEST FOR ANALYSIS

DATE: 10/20/95
PAGE 1 OF 1

CLIENT NAME: OGISO
ADDRESS: 1504 Franklin St. #304
Oakland, CA 94612
PHONE NO. 510/451-5772 FAX NO. 510/451-5773
PROJECT NAME: Cypress B
SEND REPORT TO:

CKY Incorporated
Environmental Services
1177 Quarry Lane, Suite-C
Pleasanton, CA 94566
Tel: 510-846-3188
Fax: 510-846-1236

SAMPLER NAME/SIGNATURE

TURN AROUND TIME
NORMAL ☐
RUSH ☑

SAMPLE NUMBER	SAMPLING DATE/TIME		PRESER-VATIVE	CONTAINER SIZE/TYPE	SAMPLE DESCRIPTION WATER	SOIL	OTHER	ANALYSES REQUIRED 418.1	M8015 G/D	8010/601	8020/602	8080/608	8240/624	8270/625	CAM Metals	MTBE
GAS-W	10/20			6"x2" Sleeve		✓			G				✓			✓
GAS-E	✓			✓		✓			G				✓			✓
DIS-N	✓			✓		✓			D							
DIS-S	✓			✓		✓			D							
FSD-N	✓			✓		✓			D							
FSD-S	✓			✓		✓			D							
FSD-Dispenser	✓			✓		✓			D							

COMMENTS:

Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:	Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:
	10/20		10/20/95				
Company: OGISO	Time: 4:30 pm	Company: Chromalab	Time: 4:55 pm	Company:	Time:	Company:	Time:

Storage/Disposal of Samples: Sample will be stored at CKY for 30 days at no charge and at $10/sample/month thereafter. Disposal of sample by the Laboratory will be charged at $10/sample.

15

SPARGER TECHNOLOGY, INC.

95J090

Analytical Laboratory

3050 Fite Circle, #112 Sacramento, CA 95827

Phone: (916) 362-8947

FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD

C.O.C. No. 10516

Page 2 of 2

STAL Invoice Number:

Company: OGISO

Phone: (510) 451-5771

Project Manager: Hamid Moshtaghi

FAX: (510) 451-5773

Report Address: 1504 Franklin St #304, Oakland, CA 94612

Billing Name & Address: 1990 W. Tower Av #200, Sunnyvale, CA 94086

Project Name: Cypress B

Project/Job#:

Project Location: Oakland

P.O.#:

ANALYSIS REQUEST

REMARKS: 12 hr Rush

Sampler's Name:

		All OK	None OK	Some OK
Cooler Temp.	2°C	OK		
Sample Condition				
pH				

WET(STLC)

TCLP

Total

NO.	SAMPLE ID	Sampling: Date	Sampling: Time	Container: 40 mL VOA	Container: Brass Sleeve	Container: 1 L amber bottle	Container: 250 mL Plastic	Container: Other:	Preservative Used: HCl/HNO3/ICE	Preservative Used: None	Preservative Used: Other:	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Other:	BTEX (602/8020)/503.1	BTEX/TPHgas (602/8020/8015)	TPHdiesel/TPHmotor oil/kerosene(8015)	EPA 601/8010/502.2/504	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCB'S)	EPA 624/8240/524.2	EPA 625/8270/525	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	RCI	CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead	Standard
1.	1 2T5-7-D	10/31			✓								✓													✓					✓	
2.	2 2T5-7-E	"			✓								✓													✓					✓	
3.	3 2T7-7-D	"			✓								✓													✓						
4.	4 2T7-7-E	"			✓								✓													✓						
5.	5 2T9-7-W	"			✓								✓													✓						
6.	6 2T10-7-W	"			✓								✓													✓						
7.	7 2T12-6-D	"			✓								✓													✓						
8.	8 2T13-6-D	"			✓								✓													✓						
9.	9 2T14-6-W	"			✓								✓													✓						
	10																															

Relinquished by:	Received by:	Relinquished by:	Received by:
Date: 10/31/95 Time: 6:40 PM	Date: 10/31/95 Time: 6:2[illegible] PM	Date:	Time: Date: Time:

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

NOV-03-1995 15:49 FROM C.K.Y. TO 15104515773 P.10

CHROMALAB, INC.

Environmental Services (SDB)

October 23, 1995 *Submission #:* 9510294

OGISO

Atten: Ola Balogun

Project: CYPRESS B
Received: October 20, 1995

re: 5 samples for Diesel analysis.
Method: EPA 3550/8015M

Sampled: October 20, 1995 *Matrix:* SOIL *Extracted:* October 20, 1995
Run: 8998-K *Analyzed:* October 20, 1995

Spl #	Sample ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
107282	DIS-N	1300	1.0	N.D.	93
107283	DIS-S	N.D.	5.0	N.D.	93
	For above sample:	*Unknown hydrocarbons in the Diesel range, conc.= 51 mg/Kg.*			
107284	FSD-N	1400	1.0	N.D.	93
107285	FSD-S	920	1.0	N.D.	93
107286	FSD-DISPENSER	N.D.	1.0	N.D.	93

Kayvan Kimyai
Chemist

Ali Kharrazi
Organic Manager

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

EPA METHOD 418.1
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

CLIENT:	Ogiso Environmental	DATE COLLECTED:	10/31/95
PROJECT:	CYPRESS B	DATE RECEIVED:	10/31/95
BATCH NO.:	95J090	DATE EXTRACTED:	10/31/95
MATRIX:	SOIL	DATE ANALYZED:	11/01/95

SAMPLE ID	CONTROL NO	RESULT (mg/kg)	DILUTION FACTOR	RL (mg/kg)
2T7-7-0	J090-13	39	1	10
2T7-7-E	J090-14	ND	1	10
2T9-7-W	J090-15	13	1	10
2T10-7-W	J090-16	ND	1	10
2T12-6-0	J090-17	540	2	20
2T13-6-0	J090-18	22	1	10
2T14-6-W	J090-19	30	1	10
MBLK1S	TRK001SB	ND	1	10

RL: Reporting Limit

CHROMALAB, INC.

Environmental Services (SDB)

October 23, 1995 *Submission #:* 9510294

OGISO

Atten: Ola Balogun

Project: CYPRESS B
Received: October 20, 1995

re: One sample for Gas/BTEX with Methyl Tert-Butyl Ether analysis.
Method: EPA 5030/8015M/8020

SampleID: **GAS-E**
Sample #: 107281 *Matrix:* SOIL
Sampled: October 20, 1995 *Run:* 8996-4 *Analyzed:* October 20, 1995

Analyte	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
GASOLINE	27	10.0	N.D.	97
BENZENE	N.D.	.050	N.D.	110
TOLUENE	N.D.	.050	N.D.	109
ETHYL BENZENE	0.10	.050	N.D.	113
XYLENES	0.050	.050	N.D.	103
MTBE	N.D.	.100	N.D.	--

Surinder Sidhu
Surinder Sidhu
Analyst

Ali Kharrazi
Organic Manager

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

October 23, 1995 *Submission #:* 9510294

OGISO

Atten: Ola Balogun

Project: CYPRESS B
Received: October 20, 1995

re: One sample for Gas/BTEX with Methyl Tert-Butyl Ether analysis.
Method: EPA 5030/8015M/8020

SampleID: **GAS-W**
Sample #: 107280 *Matrix:* SOIL
Sampled: October 20, 1995 *Run:* 8996-4 *Analyzed:* October 20, 1995

Analyte	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
GASOLINE	N.D.	1.0	N.D.	97
BENZENE	N.D.	.005	N.D.	110
TOLUENE	N.D.	.005	N.D.	109
ETHYL BENZENE	N.D.	.005	N.D.	113
XYLENES	N.D.	.005	N.D.	103
MTBE	N.D.	.010	N.D.	--

Surinder Sidhu
Surinder Sidhu
Analyst

Ali Kharrazi
Organic Manager

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Federal ID #68-0140157

APPENDIX C2:

SOLVENT UST CHAIN-OF-CUSTODY AND LABORATORY ANALYTICAL REPORT

C/106-20 - 106590

CHROMALAB, INC.

Environmental Services (SDB) (DOHS 1094)

C/L 24411

Chain of Cust

DATE 10/15/95 PAGE 1 OF

PROJ. MGR	O/A BALOGUN
COMPANY	OGISO
ADDRESS	1504 Franklin St. #304 Oakland, CA 94612
SAMPLERS (SIGNATURE)	
(PHONE NO.)	(510) 451-3701
(FAX NO.)	451-3707 5703 Fax

RUSH

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/BTEX (EPA 602, 8020)	TPH - Diesel, TEPH (EPA 3510/3550, 8015)	PURGEABLE AROMATICS BTEX (EPA 602, 8020)	PURGEABLE HALOCARBONS (EPA 601, 8010)	VOLATILE ORGANICS (EPA 624, 8240, 324.2)	BASE/NEUTRALS, ACIDS (EPA 625/627, 8270, 325)	TOTAL OIL & GREASE (EPA 5520, B+F, E+F)	PCB (EPA 608, 8080)	PESTICIDES (EPA 608, 8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)		LUFT METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (TCLP, STLC)		
#1	10/15	545	Soil							✓	✓							✓					
#2	✓	✓	Soil							✓	✓							✓					
#3	✓	✓	Water							✓	✓							✓					

PROJECT INFORMATION

PROJECT NAME: Caltrans Cypress B
PROJECT NUMBER: 04-192214
P.O. #:

SAMPLE RECEIPT

TOTAL NO. OF CONTAINERS	3
HEAD SPACE	
REC'D GOOD CONDITION/COLD	
CONFORMS TO RECORD	

TAT	STANDARD 5 DAY			24	48	72	OTHER

SPECIAL INSTRUCTIONS/COMMENTS: ASAP

10AM IF POSSIBLE

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY
(SIGNATURE) 549 PM (TIME)	(SIGNATURE) (TIME)	(SIGNATURE)
(PRINTED NAME) O/A BALOGUN (DATE) 10/15	(PRINTED NAME) (DATE)	(PRINTED NAME)
(COMPANY) OGISO	(COMPANY)	(COMPANY)
RECEIVED BY 1	**RECEIVED BY 2**	**RECEIVED BY (LABORATORY)**
(SIGNATURE) Gary Cook 5:49pm (TIME)	(SIGNATURE) (TIME)	(SIGNATURE)
(PRINTED NAME) Gary Cook 10/15/95 (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME)
(COMPANY) Chromalab		

CHROMALAB, INC.

Environmental Services (SDB)

October 16, 1995

Submission #: 9510202

DECON ENV. SERVICES, INC.

Atten: Ola Balogun
Project: CALTRANS CYPRESS B *Project#:* 04-192214
Received: October 15, 1995
re: One sample for Volatile Organic Compounds analysis.
Method: EPA 8240/8260
SampleID: #1
Sample #: 106588 *Matrix:* SOIL
Sampled: October 15, 1995 *Run:* 8925-O *Analyzed:* October 16, 19

Analyte	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
ACETONE	1900	10	N.D.	--
BENZENE	N.D.	5.0	N.D.	103
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--
BROMOFORM	N.D.	5.0	N.D.	--
BROMOMETHANE	N.D.	5.0	N.D.	--
2-BUTANONE	N.D.	5.0	N.D.	--
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--
CHLOROBENZENE	N.D.	5.0	N.D.	100
CHLOROETHANE	N.D.	5.0	N.D.	--
2-CHLOROETHYLVINYLETHER	N.D.	5.0	N.D.	--
CHLOROFORM	N.D.	5.0	N.D.	--
CHLOROMETHANE	N.D.	5.0	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	110
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--
1,3-DICHLOROPROPENE (CIS)	N.D.	5.0	N.D.	--
1,3-DICHLOROPROPENE (TRANS)	N.D.	5.0	N.D.	--
ETHYL BENZENE	N.D.	5.0	N.D.	--
2-HEXANONE	N.D.	5.0	N.D.	--
METHYLENE CHLORIDE	290	5.0	N.D.	--
4-METHYL-2-PENTANONE	N.D.	5.0	N.D.	--
STYRENE	N.D.	5.0	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--
TETRACHLOROETHENE	N.D.	5.0	N.D.	--
TOLUENE	1900	5.0	N.D.	113
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--
TRICHLOROETHENE	N.D.	5.0	N.D.	80
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--
VINYL ACETATE	N.D.	5.0	N.D.	--
VINYL CHLORIDE	N.D.	5.0	N.D.	--
TOTAL XYLENES	N.D.	5.0	N.D.	--

Oleg Nemtsov
Chemist

Ali Khaerazi
Organic Manager

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

October 16, 1995 *Submission #:* 9510202

DECON ENV. SERVICES, INC.

Atten: Ola Balogun
Project: CALTRANS CYPRESS B *Project#:* 04-192214
Received: October 15, 1995
re: One sample for Volatile Organic Compounds analysis.
Method: EPA 8240/8260
SampleID: #2
Sample #: 106589 *Matrix:* SOIL
Sampled: October 15, 1995 *Run:* 8925-O *Analyzed:* October 16, 19

Analyte	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
ACETONE	3100	10	N.D.	--
BENZENE	N.D.	5.0	N.D.	103
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--
BROMOFORM	N.D.	5.0	N.D.	--
BROMOMETHANE	N.D.	5.0	N.D.	--
2-BUTANONE	N.D.	5.0	N.D.	--
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--
CHLOROBENZENE	N.D.	5.0	N.D.	100
CHLOROETHANE	N.D.	5.0	N.D.	--
2-CHLOROETHYLVINYLETHER	N.D.	5.0	N.D.	--
CHLOROFORM	N.D.	5.0	N.D.	--
CHLOROMETHANE	N.D.	5.0	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	110
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--
1,3-DICHLOROPROPENE (CIS)	N.D.	5.0	N.D.	--
1,3-DICHLOROPROPENE (TRANS)	N.D.	5.0	N.D.	--
ETHYL BENZENE	N.D.	5.0	N.D.	--
2-HEXANONE	N.D.	5.0	N.D.	--
METHYLENE CHLORIDE	230	5.0	N.D.	--
4-METHYL-2-PENTANONE	N.D.	5.0	N.D.	--
STYRENE	N.D.	5.0	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--
TETRACHLOROETHENE	N.D.	5.0	N.D.	--
TOLUENE	1200	5.0	N.D.	113
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--
TRICHLOROETHENE	N.D.	5.0	N.D.	80
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--
VINYL ACETATE	N.D.	5.0	N.D.	--
VINYL CHLORIDE	N.D.	5.0	N.D.	--
TOTAL XYLENES	N.D.	5.0	N.D.	--

Oleg Nemtsov
Chemist

Ali Kharrazi
Organic Manager

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CHROMALAB, INC.

Environmental Services (SDB)

October 16, 1995 *Submission #:* 9510202

DECON ENV. SERVICES, INC.

Atten: Ola Balogun
Project: CALTRANS CYPRESS B *Project#:* 04-192214
Received: October 15, 1995
re: One sample for Volatile Organic Compounds analysis.
Method: EPA 8240/8260
SampleID: #3
Sample #: 106590 *Matrix:* LIQUID
Sampled: October 15, 1995 *Run:* 8925-O *Analyzed:* October 16, 199

Analyte	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
ACETONE	660000	10000	N.D.	--
BENZENE	N.D.	1000	N.D.	103
BROMODICHLOROMETHANE	N.D.	1000	N.D.	--
BROMOFORM	N.D.	1000	N.D.	--
BROMOMETHANE	N.D.	1000	N.D.	--
METHYL ETHYL KETONE	3600	1000	N.D.	--
CARBON TETRACHLORIDE	N.D.	1000	N.D.	--
CHLOROBENZENE	N.D.	1000	N.D.	100
CHLOROETHANE	N.D.	1000	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	1000	N.D.	--
CHLOROFORM	N.D.	1000	N.D.	--
CHLOROMETHANE	N.D.	1000	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	1000	N.D.	--
1,1-DICHLOROETHANE	N.D.	1000	N.D.	--
1,2-DICHLOROETHANE	N.D.	1000	N.D.	--
1,1-DICHLOROETHENE	N.D.	1000	N.D.	110
CIS-1,2-DICHLOROETHENE	N.D.	1000	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	1000	N.D.	--
1,2-DICHLOROPROPANE	N.D.	1000	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	1000	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	1000	N.D.	--
ETHYLBENZENE	N.D.	1000	N.D.	--
2-HEXANONE	N.D.	1000	N.D.	--
METHYLENE CHLORIDE	130000	10000	N.D.	--
METHYL ISOBUTYL KETONE	N.D.	1000	N.D.	--
STYRENE	N.D.	1000	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	1000	N.D.	--
TETRACHLOROETHENE	N.D.	1000	N.D.	--
TOLUENE	60000	10000	N.D.	113
1,1,1-TRICHLOROETHANE	N.D.	1000	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	1000	N.D.	--
TRICHLOROETHENE	N.D.	1000	N.D.	80
TRICHLOROFLUOROMETHANE	N.D.	1000	N.D.	--
VINYL ACETATE	N.D.	1000	N.D.	--
VINYL CHLORIDE	N.D.	1000	N.D.	--
TOTAL XYLENES	N.D.	1000	N.D.	--

Oleg Nemtsov
Chemist

Ali Kharrazi
Organic Manager

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(510) 484-1919 • Facsimile (510) 484-1096

CHROMALAB, INC.

Environmental Services (SDB)

October 16, 1995 *Submission #:* 9510202

DECON ENV. SERVICES, INC.

Atten: Ola Balogun

Project: CALTRANS CYPRESS B *Project#:* 04-192214
Received: October 15, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.
Method: EPA 3550/8270

SampleID: #1
Sample #: 106588 *Matrix:* SOIL *Extracted:* October 16, 199
Sampled: October 15, 1995 *Run:* 8914-A *Analyzed:* October 16, 199

Analyte	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.50	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.50	N.D.	--
2-CHLOROPHENOL	N.D.	0.50	N.D.	79
1,3-DICHLOROBENZENE	N.D.	0.50	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.50	N.D.	--
BENZYL ALCOHOL	N.D.	1.00	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.50	N.D.	--
2-METHYLPHENOL	N.D.	0.50	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.50	N.D.	--
4-METHYLPHENOL	N.D.	1.00	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.50	N.D.	58
HEXACHLOROETHANE	N.D.	0.50	N.D.	--
NITROBENZENE	N.D.	0.50	N.D.	--
ISOPHORONE	N.D.	0.50	N.D.	--
2-NITROPHENOL	N.D.	0.50	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.50	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.50	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.50	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.50	N.D.	41
NAPHTHALENE	N.D.	0.50	N.D.	--
4-CHLOROANILINE	N.D.	1.00	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.50	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	1.00	N.D.	31
2-METHYLNAPHTHALENE	N.D.	0.50	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.50	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.50	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.50	N.D.	--
2-CHLORONAPHTHALENE	N.D.	2.50	N.D.	--
2-NITROANILINE	N.D.	0.50	N.D.	--
DIMETHYL PHTHALATE	N.D.	2.50	N.D.	--
ACENAPHTHYLENE	N.D.	0.50	N.D.	--
3-NITROANILINE	N.D.	2.50	N.D.	--
ACENAPHTHENE	N.D.	0.50	N.D.	82
2,4-DINITROPHENOL	N.D.	2.50	N.D.	--
4-NITROPHENOL	N.D.	2.50	N.D.	--
DIBENZOFURAN	N.D.	0.50	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.50	N.D.	--
2,6-DINITROTOLUENE	N.D.	1.00	N.D.	--
DIETHYL PHTHALATE	N.D.	2.50	N.D.	--

CHROMALAB, INC.

Environmental Services (SDB)

October 16, 1995

Submission #: 9510202
page 2

DECON ENV. SERVICES, INC.

Atten: Ola Balogun
Project: CALTRANS CYPRESS B *Project#:* 04-192214
Received: October 15, 1995
re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Method: EPA 3550/8270
SampleID: #1
Sample #: 106588 *Matrix:* SOIL *Extracted:* October 16, 199
Sampled: October 15, 1995 *Run:* 8914-A *Analyzed:* October 16, 199

Analyte	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.50	N.D.	--
FLUORENE	N.D.	0.50	N.D.	--
4-NITROANILINE	N.D.	2.50	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	2.50	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.50	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.50	N.D.	--
HEXACHLOROBENZENE	N.D.	0.50	N.D.	--
PENTACHLOROPHENOL	N.D.	2.50	N.D.	--
PHENATHRENE	N.D.	0.50	N.D.	--
ANTHRACENE	N.D.	0.50	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	2.50	N.D.	--
FLUORANTHENE	1.3	0.50	N.D.	--
PYRENE	1.3	0.50	N.D.	73
BUTYL BENZYL PHTHALATE	N.D.	2.50	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	1.00	N.D.	--
BENZO(A)ANTHRACENE	0.69	0.50	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	2.50	N.D.	--
CHRYSENE	1.0	0.50	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	2.50	N.D.	--
BENZO(B)FLUORANTHENE	0.63	0.50	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	1.00	N.D.	--
BENZO(A)PYRENE	1.3	0.25	N.D.	--
INDENO(1,2,3 C,D)PYRENE	1.2	1.00	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	1.00	N.D.	--
BENZ(G,H,I)PERYLENE	N.D.	1.00	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

October 16, 1995 *Submission #:* 9510202

DECON ENV. SERVICES, INC.

Atten: Ola Balogun

Project: CALTRANS CYPRESS B *Project#:* 04-192214
Received: October 15, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.
Method: EPA 3550/8270

SampleID: #2
Sample #: 106589 *Matrix:* SOIL *Extracted:* October 16, 19
Sampled: October 15, 1995 *Run:* 8914-A *Analyzed:* October 16, 19

Analyte	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIK RESULT (%)
PHENOL	N.D.	0.50	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.50	N.D.	--
2-CHLOROPHENOL	N.D.	0.50	N.D.	79
1,3-DICHLOROBENZENE	N.D.	0.50	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.50	N.D.	--
BENZYL ALCOHOL	N.D.	1.00	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.50	N.D.	--
2-METHYLPHENOL	N.D.	0.50	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.50	N.D.	--
4-METHYLPHENOL	N.D.	1.00	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.50	N.D.	58
HEXACHLOROETHANE	N.D.	0.50	N.D.	--
NITROBENZENE	N.D.	0.50	N.D.	--
ISOPHORONE	N.D.	0.50	N.D.	--
2-NITROPHENOL	N.D.	0.50	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.50	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.50	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.50	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.50	N.D.	41
NAPHTHALENE	N.D.	0.50	N.D.	--
4-CHLOROANILINE	N.D.	1.00	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.50	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	1.00	N.D.	31
2-METHYLNAPHTHALENE	N.D.	0.50	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.50	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.50	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.50	N.D.	--
2-CHLORONAPHTHALENE	N.D.	2.50	N.D.	--
2-NITROANILINE	N.D.	0.50	N.D.	--
DIMETHYL PHTHALATE	N.D.	2.50	N.D.	--
ACENAPHTHYLENE	N.D.	0.50	N.D.	--
3-NITROANILINE	N.D.	2.50	N.D.	--
ACENAPHTHENE	N.D.	0.50	N.D.	82
2,4-DINITROPHENOL	N.D.	2.50	N.D.	--
4-NITROPHENOL	N.D.	2.50	N.D.	--
DIBENZOFURAN	N.D.	0.50	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.50	N.D.	--
2,6-DINITROTOLUENE	N.D.	1.00	N.D.	--
DIETHYL PHTHALATE	N.D.	2.50	N.D.	--

CHROMALAB, INC.

Environmental Services (SDB)

October 16, 1995

Submission #: 9510202
page 2

DECON ENV. SERVICES, INC.

Atten: Ola Balogun
Project: CALTRANS CYPRESS B *Project#:* 04-192214
Received: October 15, 1995
re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Method: EPA 3550/8270
SampleID: #2
Sample #: 106589 *Matrix:* SOIL *Extracted:* October 16, 199
Sampled: October 15, 1995 *Run:* 8914-A *Analyzed:* October 16, 199

Analyte	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.50	N.D.	--
FLUORENE	N.D.	0.50	N.D.	--
4-NITROANILINE	N.D.	2.50	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	2.50	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.50	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.50	N.D.	--
HEXACHLOROBENZENE	N.D.	0.50	N.D.	--
PENTACHLOROPHENOL	N.D.	2.50	N.D.	--
PHENATHRENE	N.D.	0.50	N.D.	--
ANTHRACENE	N.D.	0.50	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	2.50	N.D.	--
FLUORANTHENE	N.D.	0.50	N.D.	--
PYRENE	N.D.	0.50	N.D.	73
BUTYL BENZYL PHTHALATE	N.D.	2.50	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	1.00	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.50	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	2.50	N.D.	--
CHRYSENE	N.D.	0.50	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	2.50	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.50	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	1.00	N.D.	--
BENZO(A)PYRENE	N.D.	0.25	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	1.00	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	1.00	N.D.	--
BENZ(G,H,I)PERYLENE	N.D.	1.00	N.D.	--

Alex Tam
Chemist

Ali Khartazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

October 16, 1995

Submission #: 9510202

DECON ENV. SERVICES, INC.

Atten: Ola Balogun
Project: CALTRANS CYPRESS B *Project#:* 04-192214
Received: October 15, 1995
re: One sample for Semivolatiles (Base/Neutral/Acid Extractable) analysis.
Method: EPA 3510/8270
SampleID: #3
Sample #: 106590 *Matrix:* LIQUID *Extracted:* October 16, 199
Sampled: October 15, 1995 *Run:* 8912-A *Analyzed:* October 16, 199

Analyte	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
PHENOL	10000	20	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	20	N.D.	--
2-CHLOROPHENOL	N.D.	20	N.D.	28
1,3-DICHLOROBENZENE	N.D.	20	N.D.	--
1,4-DICHLOROBENZENE	270	20	N.D.	--
BENZYL ALCOHOL	180	50	N.D.	--
1,2-DICHLOROBENZENE	750	20	N.D.	--
2-METHYLPHENOL	17000	20	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	20	N.D.	--
4-METHYLPHENOL	23000	20	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	20	N.D.	52
HEXACHLOROETHANE	N.D.	20	N.D.	--
NITROBENZENE	N.D.	20	N.D.	--
ISOPHORONE	N.D.	20	N.D.	--
2-NITROPHENOL	N.D.	20	N.D.	--
2,4-DIMETHYL PHENOL	3700	20	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	50	N.D.	--
2,4-DICHLOROPHENOL	N.D.	20	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	20	N.D.	52
NAPHTHALENE	N.D.	20	N.D.	--
4-CHLOROANILINE	N.D.	50	N.D.	--
HEXACHLOROBUTADIENE	N.D.	20	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	40	N.D.	55
2-METHYLNAPHTHALENE	N.D.	20	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	20	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	20	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	20	N.D.	--
2-CHLORONAPHTHALENE	N.D.	20	N.D.	--
2-NITROANILINE	N.D.	20	N.D.	--
DIMETHYL PHTHALATE	N.D.	20	N.D.	--
ACENAPHTHYLENE	N.D.	20	N.D.	--
3-NITROANILINE	N.D.	20	N.D.	--
ACENAPHTHENE	N.D.	20	N.D.	58
2,4-DINITROPHENOL	N.D.	100	N.D.	--
4-NITROPHENOL	N.D.	100	N.D.	--
DIBENZOFURAN	N.D.	20	N.D.	--
2,4-DINITROTOLUENE	N.D.	20	N.D.	--
2,6-DINITROTOLUENE	N.D.	50	N.D.	--
DIETHYL PHTHALATE	N.D.	20	N.D.	--
4-CHLOROPHENYLPHENYLETHER	N.D.	20	N.D.	--
FLUORENE	N.D.	50	N.D.	--

CHROMALAB, INC.

Environmental Services (SDB)

October 16, 1995

Submission #: 9510202
page 2

DECON ENV. SERVICES, INC.

Atten: Ola Balogun
Project: CALTRANS CYPRESS B *Project#:* 04-192214
Received: October 15, 1995
re: One sample for Semivolatiles (Base/Neutral/Acid Extractable) analysis, continued.
Method: EPA 3510/8270
SampleID: #3
Sample #: 106590 *Matrix:* LIQUID *Extracted:* October 16, 199
Sampled: October 15, 1995 *Run:* 8912-A *Analyzed:* October 16, 199

Analyte	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
4-NITROANILINE	N.D.	20	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	100	N.D.	--
N-NITROSODI-N-PHENYLAMINE	N.D.	20	N.D.	--
4-BROMOPHENYLPHENYLETHER	N.D.	50	N.D.	--
HEXACHLOROBENZENE	N.D.	20	N.D.	--
PENTACHLOROPHENOL	N.D.	100	N.D.	17
PHENANTHRENE	N.D.	20	N.D.	--
ANTHRACENE	N.D.	20	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	50	N.D.	--
FLUORANTHENE	N.D.	20	N.D.	--
PYRENE	N.D.	20	N.D.	63
BUTYL BENZYL PHTHALATE	N.D.	20	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	50	N.D.	--
BENZO(A)ANTHRACENE	N.D.	20	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	20	N.D.	--
CHRYSENE	N.D.	20	N.D.	--
DI-N-OCTYLPHTHALATE	N.D.	50	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	20	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	20	N.D.	--
BENZO(A)PYRENE	N.D.	20	N.D.	--
INDENO(1,2,3-CD)PYRENE	N.D.	20	N.D.	--
DIBENZO(A,H)ANTHRACENE	N.D.	20	N.D.	--
BENZ(GHI)PERYLENE	N.D.	20	N.D.	--
BENZOIC ACID	N.D.	20	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

October 16, 1995

Submission #: 9510202

ECON ENV. SERVICES, INC.

Atten: Ola Balogun

Project: CALTRANS CYPRESS B *Project#:* 04-192214
Received: October 15, 1995

re: One sample for CAM 17 Metals analysis.
Method: EPA 3050A M/6010/7471

SampleID: #1
Sample #: 106588 *Matrix:* SOIL *Extracted:* October 16, 1995
Sampled: October 15, 1995 *Run:* 8906-C *Analyzed:* October 16, 1995

Analyte	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	10	2.0	N.D.	85
ARSENIC	6.1	1.0	N.D.	80
BARIUM	87	1.0	N.D.	84
BERYLLIUM	N.D.	0.5	N.D.	87
CADMIUM	1.4	0.5	N.D.	82
CHROMIUM	21	1.0	N.D.	85
COBALT	N.D.	1.0	N.D.	84
COPPER	25	1.0	N.D.	94
LEAD	770	1.0	N.D.	85
MOLYBDENUM	N.D.	1.0	N.D.	86
NICKEL	13	1.0	N.D.	84
SELENIUM	2.4	2.0	N.D.	86
SILVER	N.D.	1.0	N.D.	87
THALLIUM	N.D.	2.0	N.D.	80
VANADIUM	15	1.0	N.D.	88
ZINC	130	1.0	N.D.	81
MERCURY	0.11	0.05	N.D.	100

Charles Woolley
Chemist

John S. Labash
Inorganic Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

October 16, 1995 *Submission #:* 9510202

DECON ENV. SERVICES, INC.

Atten: Ola Balogun

Project: CALTRANS CYPRESS B *Project#:* 04-192214
Received: October 15, 1995

re: One sample for CAM 17 Metals analysis.
Method: EPA 3050A M/6010/7471

SampleID: #2
Sample #: 106589 *Matrix:* SOIL *Extracted:* October 16, 1995
Sampled: October 15, 1995 *Run:* 8906-C *Analyzed:* October 16, 1995

Analyte	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	N.D.	2.0	N.D.	85
ARSENIC	2.1	1.0	N.D.	80
BARIUM	61	1.0	N.D.	84
BERYLLIUM	N.D.	0.5	N.D.	87
CADMIUM	1.1	0.5	N.D.	82
CHROMIUM	19	1.0	N.D.	85
COBALT	N.D.	1.0	N.D.	84
COPPER	23	1.0	N.D.	94
LEAD	480	1.0	N.D.	85
MOLYBDENUM	N.D.	1.0	N.D.	86
NICKEL	14	1.0	N.D.	84
SELENIUM	N.D.	2.0	N.D.	86
SILVER	N.D.	1.0	N.D.	87
THALLIUM	N.D.	2.0	N.D.	80
VANADIUM	15	1.0	N.D.	88
ZINC	150	1.0	N.D.	81
MERCURY	0.07	0.05	N.D.	100

Charles Woolley
Chemist

John S. Labash
Inorganic Supervisor

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096

CHROMALAB, INC.

Environmental Services (SDB)

October 16, 1995

Submission #: 9510202

DECON ENV. SERVICES, INC.

Atten: Ola Balogun

Project: CALTRANS CYPRESS B *Project#:* 04-192214
Received: October 15, 1995

re: One sample for CAM 17 Metals analysis.
Method: EPA 3050A M/6010/7471

SampleID: #3
Sample #: 106590 *Matrix:* LIQUID *Extracted:* October 16, 199
Sampled: October 15, 1995 *Run:* 8906-C *Analyzed:* October 16, 199

Analyte	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	N.D.	1.0	N.D.	85
ARSENIC	N.D.	0.25	N.D.	80
BARIUM	1.2	1.0	N.D.	84
BERYLLIUM	N.D.	0.5	N.D.	87
CADMIUM	N.D.	0.5	N.D.	82
CHROMIUM	N.D.	1.0	N.D.	85
COBALT	N.D.	1.0	N.D.	84
COPPER	N.D.	1.0	N.D.	94
LEAD	6.0	1.0	N.D.	85
MOLYBDENUM	N.D.	1.0	N.D.	86
NICKEL	N.D.	1.0	N.D.	84
SELENIUM	N.D.	2.0	N.D.	86
SILVER	N.D.	1.0	N.D.	87
THALLIUM	N.D.	2.0	N.D.	80
VANADIUM	N.D.	1.0	N.D.	88
ZINC	48	1.0	N.D.	81
MERCURY	N.D.	0.05	N.D.	100

Charles Woolley
Chemist

John S. LaBash
Inorganic Supervisor

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

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CHROMALAB, INC.

Environmental Services (SDB) (DOHS 1094)

1220 Qua[illegible] 51[illegible]

Chain of Custody

10-24-95 PAGE 1 OF 1

PROJ. MGR Hamid Mostaghi
COMPANY OGISO
ADDRESS 1504 Franklin St, #304
Oakland, CA 94612
SAMPLERS (SIGNATURE) [signature] (PHONE NO.)
(FAX NO.)

ANALYSIS REPORT

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/BTEX (EPA 602, 8020)	TPH - Diesel, TEPH (EPA 3510/3550, 8015)	PURGEABLE AROMATICS BTEX (EPA 602, 8020)	PURGEABLE HALOCARBONS (EPA 601, 8010)	VOLATILE ORGANICS (EPA 624, 8240, 524.2)	BASE/NEUTRALS, ACIDS (EPA 625/627, 8270, 525)	TOTAL OIL & GREASE (EPA 5520, B+F, E+F)	PCB (EPA 608, 8080)	PESTICIDES (EPA 608, 8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)		LUFT METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (TCLP, STLC)				NUMBER OF CONTAINERS
SUST13-2S	10/24		Soil		✓		✓			✓		✓			✓			✓							
SUST13-2W	10/24		Water		✓		(✓)			✓		(✓)			✓			(✓)							
SOLV1	10/24		Soil			✓				✓	✓	✓						✓							
SOLV2	10/24		Soil			✓				✓	✓	✓						✓							
PILET13-2N	10/24		Soil							✓	✓	✓						✓							
PILET13-2S	10/24		Soil							✓	✓	✓						✓							
PIT13-2A	10/24		Soil							✓	✓	✓						✓							
PIT13-2B	10/24		Soil							✓	✓	✓						✓							

RUSH

PROJECT INFORMATION

PROJECT NAME Cypress B, Phoenix 6W
PROJECT NUMBER
P.O. #

SAMPLE RECEIPT

TOTAL NO. OF CONTAINERS	4
HEAD SPACE	–
REC'D GOOD CONDITION/COLD	
CONFORMS TO RECORD	

TAT	STANDARD 5-DAY			(24)	48	72	OTHER

SPECIAL INSTRUCTIONS/COMMENTS.
Rush 24hr TAT

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
[signature] 11:00am (SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
OLA BALOGUN 10/24 (PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
OGISO (COMPANY)	(COMPANY)	(COMPANY)
RECEIVED BY 1.	**RECEIVED BY 2.**	**RECEIVED BY (LABORATORY) 3**
[signature] 1245 (SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
Y. MONETTE 10/24/95 (PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
Chromalab (COMPANY)	(COMPANY)	(LAB)

CHROMALAB, INC.

Environmental Services (SDB)

October 25, 1995

Submission #: 9510335

OGISO

Atten: Hamid Mostaghi

Project: CYPRESS B, PHEONIX 800
Received: October 24, 1995

re: 7 samples for Oil and Grease analysis.
Method: STANDARD METHODS 5520 E&F

Sampled: October 24, 1995 *Matrix:* SOIL *Extracted:* October 24, 1995
Run: 9058-C *Analyzed:* October 25, 1995

Spl #	Sample ID	OIL & GREASE (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
107629	SUST 13-2S	990	50	N.D.	87
107630	SOLV 1	130	50	N.D.	87
107631	SOLV 2	130	50	N.D.	87
107632	PILET 13-2N	58	50	N.D.	87
107633	PILET 13-2S	68	50	N.D.	87
107634	PIT 13-2A	56	50	N.D.	87
107635	PIT 13-2B	N.D.	50	N.D.	87

Carolyn House
Extractions Supervisor

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

October 25, 1995

Submission #: 9510335

OGISO

Atten: Hamid Mostaghi
Project: CYPRESS B, PHEONIX 800
Received: October 24, 1995
re: One sample for Volatile Organic Compounds analysis.
Method: EPA 8240/8260
SampleID: SOLV 1
Sample #: 107630 *Matrix:* SOIL
Sampled: October 24, 1995 *Run:* 9073-O *Analyzed:* October 24, 1995

Analyte	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
ACETONE	89	10	N.D.	--
BENZENE	N.D.	5.0	N.D.	102
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--
BROMOFORM	N.D.	5.0	N.D.	--
BROMOMETHANE	N.D.	5.0	N.D.	--
2-BUTANONE	N.D.	5.0	N.D.	--
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--
CHLOROBENZENE	N.D.	5.0	N.D.	96
CHLOROETHANE	N.D.	5.0	N.D.	--
2-CHLOROETHYLVINYLETHER	N.D.	5.0	N.D.	--
CHLOROFORM	N.D.	5.0	N.D.	--
CHLOROMETHANE	N.D.	5.0	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	123
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--
1,3-DICHLOROPROPENE (CIS)	N.D.	5.0	N.D.	--
1,3-DICHLOROPROPENE (TRANS)	N.D.	5.0	N.D.	--
ETHYL BENZENE	16	5.0	N.D.	--
2-HEXANONE	N.D.	5.0	N.D.	--
METHYLENE CHLORIDE	120	5.0	N.D.	--
4-METHYL-2-PENTANONE	N.D.	5.0	N.D.	--
STYRENE	N.D.	5.0	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--
TETRACHLOROETHENE	N.D.	5.0	N.D.	--
TOLUENE	49	5.0	N.D.	92
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--
TRICHLOROETHENE	N.D.	5.0	N.D.	91
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--
VINYL ACETATE	N.D.	5.0	N.D.	--
VINYL CHLORIDE	N.D.	5.0	N.D.	--
TOTAL XYLENES	22	5.0	N.D.	--

Oleg Nemtsov

Oleg Nemtsov
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

October 25, 1995

Submission #: 9510335

OGISO

Atten: Hamid Mostaghi
Project: CYPRESS B, PHEONIX 800
Received: October 24, 1995
re: One sample for Volatile Organic Compounds analysis.
Method: EPA 8240/8260
SampleID: **SOLV 2**
Sample #: 107631 *Matrix:* SOIL
Sampled: October 24, 1995 *Run:* 9073-O *Analyzed:* October 24, 1995

Analyte	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
ACETONE	41	10	N.D.	--
BENZENE	N.D.	5.0	N.D.	102
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--
BROMOFORM	N.D.	5.0	N.D.	--
BROMOMETHANE	N.D.	5.0	N.D.	--
2-BUTANONE	N.D.	5.0	N.D.	--
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--
CHLOROBENZENE	N.D.	5.0	N.D.	96
CHLOROETHANE	N.D.	5.0	N.D.	--
2-CHLOROETHYLVINYLETHER	N.D.	5.0	N.D.	--
CHLOROFORM	N.D.	5.0	N.D.	--
CHLOROMETHANE	N.D.	5.0	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	123
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--
1,3-DICHLOROPROPENE (CIS)	N.D.	5.0	N.D.	--
1,3-DICHLOROPROPENE (TRANS)	N.D.	5.0	N.D.	--
ETHYL BENZENE	79	5.0	N.D.	--
2-HEXANONE	N.D.	5.0	N.D.	--
METHYLENE CHLORIDE	110	5.0	N.D.	--
4-METHYL-2-PENTANONE	N.D.	5.0	N.D.	--
STYRENE	N.D.	5.0	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--
TETRACHLOROETHENE	N.D.	5.0	N.D.	--
TOLUENE	40	5.0	N.D.	92
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--
TRICHLOROETHENE	N.D.	5.0	N.D.	91
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--
VINYL ACETATE	N.D.	5.0	N.D.	--
VINYL CHLORIDE	N.D.	5.0	N.D.	--
TOTAL XYLENES	110	5.0	N.D.	--

Oleg Nemtsov
Chemist

Ali Kharrazi
Organic Manager

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096

CHROMALAB, INC.

Environmental Services (SDB)

October 25, 1995

Submission #: 9510335

OGISO

Atten: Hamid Mostaghi

Project: CYPRESS B, PHEONIX 800
Received: October 24, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.
Method: EPA 3550/8270

SampleID: SOLV 1
Sample #: 107630
Sampled: October 24, 1995

Matrix: SOIL
Run: 9054-A

Extracted: October 24, 1995
Analyzed: October 25, 1995

Analyte	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	1.0	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	1.0	N.D.	--
2-CHLOROPHENOL	N.D.	1.0	N.D.	67
1,3-DICHLOROBENZENE	N.D.	1.0	N.D.	--
1,4-DICHLOROBENZENE	N.D.	1.0	N.D.	--
BENZYL ALCOHOL	N.D.	2.0	N.D.	--
1,2-DICHLOROBENZENE	N.D.	1.0	N.D.	--
2-METHYLPHENOL	N.D.	1.0	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	1.0	N.D.	--
4-METHYLPHENOL	N.D.	2.0	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	1.0	N.D.	66
HEXACHLOROETHANE	N.D.	1.0	N.D.	--
NITROBENZENE	N.D.	1.0	N.D.	--
ISOPHORONE	N.D.	1.0	N.D.	--
2-NITROPHENOL	N.D.	1.0	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	1.0	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	1.0	N.D.	--
2,4-DICHLOROPHENOL	N.D.	1.0	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	1.0	N.D.	73
NAPHTHALENE	N.D.	1.0	N.D.	--
4-CHLOROANILINE	N.D.	2.0	N.D.	--
HEXACHLOROBUTADIENE	N.D.	1.0	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	2.0	N.D.	74
2-METHYLNAPHTHALENE	N.D.	1.0	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	1.0	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	1.0	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	1.0	N.D.	--
2-CHLORONAPHTHALENE	N.D.	5.0	N.D.	--
2-NITROANILINE	N.D.	1.0	N.D.	--
DIMETHYL PHTHALATE	N.D.	5.0	N.D.	--
ACENAPHTHYLENE	N.D.	1.0	N.D.	--
3-NITROANILINE	N.D.	5.0	N.D.	--
ACENAPHTHENE	N.D.	1.0	N.D.	70
2,4-DINITROPHENOL	N.D.	5.0	N.D.	--
4-NITROPHENOL	N.D.	5.0	N.D.	--
DIBENZOFURAN	N.D.	1.0	N.D.	--
2,4-DINITROTOLUENE	N.D.	1.0	N.D.	--
2,6-DINITROTOLUENE	N.D.	2.0	N.D.	--
DIETHYL PHTHALATE	N.D.	5.0	N.D.	--

CHROMALAB, INC.

Environmental Services (SDB)

October 25, 1995

Submission #: 9510335
page 2

OGISO

Atten: Hamid Mostaghi
Project: CYPRESS B, PHEONIX 800
Received: October 24, 1995
re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Method: EPA 3550/8270
SampleID: SOLV 1
Sample #: 107630 *Matrix:* SOIL *Extracted:* October 24, 1995
Sampled: October 24, 1995 *Run:* 9054-A *Analyzed:* October 25, 1995

Analyte	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	1.0	N.D.	--
FLUORENE	N.D.	1.0	N.D.	--
4-NITROANILINE	N.D.	5.0	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	5.0	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	1.0	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	1.0	N.D.	--
HEXACHLOROBENZENE	N.D.	1.0	N.D.	--
PENTACHLOROPHENOL	N.D.	5.0	N.D.	77
PHENATHRENE	N.D.	1.0	N.D.	--
ANTHRACENE	N.D.	1.0	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	5.0	N.D.	--
FLUORANTHENE	N.D.	1.0	N.D.	--
PYRENE	N.D.	1.0	N.D.	82
BUTYL BENZYL PHTHALATE	N.D.	5.0	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	2.0	N.D.	--
BENZO(A)ANTHRACENE	N.D.	1.0	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	5.0	N.D.	--
CHRYSENE	N.D.	1.0	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	5.0	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	1.0	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	2.0	N.D.	--
BENZO(A)PYRENE	N.D.	1.0	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	2.0	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	2.0	N.D.	--
BENZ(G,H,I)PERYLENE	N.D.	2.0	N.D.	--

For above sample: *REPORTING LIMITS RAISED DUE TO MATRIX INTERFERENCE*

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

October 25, 1995

Submission #: 9510335

OGISO

Atten: Hamid Mostaghi

Project: CYPRESS B, PHEONIX 800
Received: October 24, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.
Method: EPA 3550/8270

SampleID: SOLV 2
Sample #: 107631 *Matrix:* SOIL *Extracted:* October 24, 1995
Sampled: October 24, 1995 *Run:* 9054-A *Analyzed:* October 25, 1995

Analyte	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	1.0	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	1.0	N.D.	--
2-CHLOROPHENOL	N.D.	1.0	N.D.	67
1,3-DICHLOROBENZENE	N.D.	1.0	N.D.	--
1,4-DICHLOROBENZENE	N.D.	1.0	N.D.	--
BENZYL ALCOHOL	N.D.	2.0	N.D.	--
1,2-DICHLOROBENZENE	N.D.	1.0	N.D.	--
2-METHYLPHENOL	N.D.	1.0	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	1.0	N.D.	--
4-METHYLPHENOL	N.D.	2.0	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	1.0	N.D.	66
HEXACHLOROETHANE	N.D.	1.0	N.D.	--
NITROBENZENE	N.D.	1.0	N.D.	--
ISOPHORONE	N.D.	1.0	N.D.	--
2-NITROPHENOL	N.D.	1.0	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	1.0	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	1.0	N.D.	--
2,4-DICHLOROPHENOL	N.D.	1.0	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	1.0	N.D.	73
NAPHTHALENE	4.4	1.0	N.D.	--
4-CHLOROANILINE	N.D.	2.0	N.D.	--
HEXACHLOROBUTADIENE	N.D.	1.0	N.D.	--
4-CHLORO-3-METHYLPHENOL	4.1	2.0	N.D.	74
2-METHYLNAPHTHALENE	N.D.	1.0	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	1.0	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	1.0	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	1.0	N.D.	--
2-CHLORONAPHTHALENE	N.D.	5.0	N.D.	--
2-NITROANILINE	N.D.	1.0	N.D.	--
DIMETHYL PHTHALATE	N.D.	5.0	N.D.	--
ACENAPHTHYLENE	N.D.	1.0	N.D.	--
3-NITROANILINE	N.D.	5.0	N.D.	--
ACENAPHTHENE	4.4	1.0	N.D.	70
2,4-DINITROPHENOL	N.D.	5.0	N.D.	--
4-NITROPHENOL	N.D.	5.0	N.D.	--
DIBENZOFURAN	3.2	1.0	N.D.	--
2,4-DINITROTOLUENE	N.D.	1.0	N.D.	--
2,6-DINITROTOLUENE	N.D.	2.0	N.D.	--
DIETHYL PHTHALATE	N.D.	5.0	N.D.	--

CHROMALAB, INC.

Environmental Services (SDB)

October 25, 1995

Submission #: 9510335
page 2

OGISO

Atten: Hamid Mostaghi
Project: CYPRESS B, PHEONIX 800
Received: October 24, 1995
re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Method: EPA 3550/8270
SampleID: **SOLV 2**
Sample #: 107631 *Matrix:* SOIL *Extracted:* October 24, 1995
Sampled: October 24, 1995 *Run:* 9054-A *Analyzed:* October 25, 1995

Analyte	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	1.0	N.D.	--
FLUORENE	3.0	1.0	N.D.	--
4-NITROANILINE	N.D.	5.0	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	5.0	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	1.0	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	1.0	N.D.	--
HEXACHLOROBENZENE	N.D.	1.0	N.D.	--
PENTACHLOROPHENOL	N.D.	5.0	N.D.	77
PHENATHRENE	10	1.0	N.D.	--
ANTHRACENE	1.5	1.0	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	5.0	N.D.	--
FLUORANTHENE	6.2	1.0	N.D.	--
PYRENE	4.8	1.0	N.D.	82
BUTYL BENZYL PHTHALATE	N.D.	5.0	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	2.0	N.D.	--
BENZO(A)ANTHRACENE	N.D.	1.0	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	5.0	N.D.	--
CHRYSENE	N.D.	1.0	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	5.0	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	1.0	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	2.0	N.D.	--
BENZO(A)PYRENE	N.D.	1.0	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	2.0	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	2.0	N.D.	--
BENZ(G,H,I)PERYLENE	N.D.	2.0	N.D.	--

For above sample: *REPORTING LIMITS RAISED DUE TO MATRIX INTERFERENCE*

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

October 25, 1995

Submission #: 9510335

OGISO

Atten: Hamid Mostaghi

Project: CYPRESS B, PHEONIX 800
Received: October 24, 1995

re: One sample for CAM 17 Metals analysis.
Method: EPA 3050A M/6010/7471

SampleID: SOLV 1
Sample #: 107630 *Matrix:* SOIL *Extracted:* October 24, 1995
Sampled: October 24, 1995 *Run:* 9050-C *Analyzed:* October 25, 1995

Analyte	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	3.7	2.0	N.D.	100
ARSENIC	N.D.	1.0	N.D.	99
BARIUM	96	1.0	N.D.	98
BERYLLIUM	N.D.	0.5	N.D.	99
CADMIUM	N.D.	0.5	N.D.	99
CHROMIUM	23	1.0	N.D.	98
COBALT	N.D.	1.0	N.D.	98
COPPER	63	1.0	N.D.	98
LEAD	670	1.0	N.D.	98
MOLYBDENUM	N.D.	1.0	N.D.	100
NICKEL	15	1.0	N.D.	95
SELENIUM	N.D.	2.0	N.D.	98
SILVER	N.D.	1.0	N.D.	98
THALLIUM	N.D.	2.0	N.D.	100
VANADIUM	18	1.0	N.D.	100
ZINC	480	1.0	N.D.	100
MERCURY	0.25	0.05	N.D.	110

Charles Woolley
Chemist

John S. Labash
Inorganic Supervisor

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

October 25, 1995 *Submission #:* 9510335

OGISO

Atten: Hamid Mostaghi

Project: CYPRESS B, PHEONIX 800
Received: October 24, 1995

re: One sample for CAM 17 Metals analysis.
Method: EPA 3050A M/6010/7471

SampleID: **SOLV 2**
Sample #: 107631 *Matrix:* SOIL *Extracted:* October 24, 1995
Sampled: October 24, 1995 *Run:* 9050-C *Analyzed:* October 25, 1995

Analyte	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	N.D.	2.0	N.D.	100
ARSENIC	N.D.	1.0	N.D.	99
BARIUM	37	1.0	N.D.	98
BERYLLIUM	N.D.	0.5	N.D.	99
CADMIUM	N.D.	0.5	N.D.	99
CHROMIUM	21	1.0	N.D.	98
COBALT	N.D.	1.0	N.D.	98
COPPER	8.7	1.0	N.D.	98
LEAD	58	1.0	N.D.	98
MOLYBDENUM	N.D.	1.0	N.D.	100
NICKEL	15	1.0	N.D.	95
SELENIUM	N.D.	2.0	N.D.	98
SILVER	N.D.	1.0	N.D.	98
THALLIUM	N.D.	2.0	N.D.	100
VANADIUM	15	1.0	N.D.	100
ZINC	32	1.0	N.D.	100

Charles Woolley
Chemist

John S. Labash
Inorganic Supervisor

108277 - 9 9510416

c/L 24667

CHROMALAB, INC.

Environmental Services (SDB) (DOHS 1094)

1220 Quarry Lane • Pleasanton, California 94566-4756
510/484-1919 • Facsimile 510/484-1096

Chain of Custody

DATE 10/28/95 PAGE 1 OF 1

PROJ. MGR. Hamid Moshtaghi
COMPANY OGISO Environmental
ADDRESS 1504 Franklin St.
Oakland CA.

SAMPLERS (SIGNATURE) Hamid Moshtaghi (PHONE NO.) (510) 451-5772.
(FAX NO.) (510) 451-5773

*SUBM #: 9510416 *REP: MD
CLIENT: OGISO
DUE: 10/29/95
REF #:24667

ANALYSIS REPORT

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/BTEX (EPA 602, 8020)	TPH - Diesel, TEPH (EPA 3510/3550, 8015)	PURGEABLE AROMATICS BTEX (EPA 602, 8020)	PURGEABLE HALOCARBONS (EPA 601, 8010)	VOLATILE ORGANICS (EPA 624, 8240, 524.2)	BASE/NEUTRALS, ACIDS (EPA 625/627, 8270, 525)	TOTAL OIL & GREASE (EPA 5520, B+F, E+F)	PCB (EPA 608, 8080)	PESTICIDES (EPA 608, 8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)		LUFT METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLL METALS (13)	TOTAL LEAD	EXTRACTION (TCLP, STLC)				NUMBER OF CON
100 Gal. UST-Soil	10/28		Soil							✓	✓														1
[illegible] liquid			liquid																						
100 Gal. UST-Water	10/28		water							✓	✓														4

RUSH

PROJECT INFORMATION

PROJECT NAME: Cypress 'B' Phoenix 800
PROJECT NUMBER:
P.O. #:

SAMPLE RECEIPT

TOTAL NO. OF CONTAINERS	5
HEAD SPACE	5 small bubble in VOA
REC'D GOOD CONDITION/COLD	
CONFORMS TO RECORD	

TAT	STANDARD 5-DAY			(24)	48	72	OTHER

SPECIAL INSTRUCTIONS/COMMENTS: Due Sunday Noon

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
(SIGNATURE) Hamid Moshtaghi (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
(PRINTED NAME) Hameed Moshtaghi (DATE) 12'00	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
(COMPANY) HAMID MOSHTAGHI 10/28	(COMPANY)	(COMPANY)
RECEIVED BY 1.	**RECEIVED BY** 2.	**RECEIVED BY (LABORATORY)** 3
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) Gary Cook (TIME) 12:00
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) Gary Cook (DATE) 10/28/95
(COMPANY)	(COMPANY)	(LAB) Chromalab

CHROMALAB, INC.

Environmental Services (SDB)

October 28, 1995 *Submission #:* 9510416

OGISO

Atten: Hamid Mashtoghi
Project: Cypress "B" Phoenix 800
Received: October 28, 1995
re: One sample for Volatile Organic Compounds analysis.
Method: EPA 8240/8260
SampleID: **100 Gal UST-Water**
Sample #: 108278 *Matrix:* WATER
Sampled: October 28, 1995 *Run:* 9130-A *Analyzed:* October 28, 1995

Analyte	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
ACETONE	83	40	N.D.	--
BENZENE	61	20	N.D.	108
BROMODICHLOROMETHANE	N.D.	20	N.D.	--
BROMOFORM	N.D.	20	N.D.	--
BROMOMETHANE	N.D.	20	N.D.	--
METHYL ETHYL KETONE	62	20	N.D.	--
CARBON TETRACHLORIDE	N.D.	20	N.D.	--
CHLOROBENZENE	N.D.	20	N.D.	104
CHLOROETHANE	N.D.	20	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	20	N.D.	--
CHLOROFORM	N.D.	20	N.D.	--
CHLOROMETHANE	N.D.	20	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	20	N.D.	--
1,1-DICHLOROETHANE	N.D.	20	N.D.	--
1,2-DICHLOROETHANE	N.D.	20	N.D.	--
1,1-DICHLOROETHENE	N.D.	20	N.D.	76
CIS-1,2-DICHLOROETHENE	N.D.	20	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	20	N.D.	--
1,2-DICHLOROPROPANE	N.D.	20	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	20	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	20	N.D.	--
ETHYLBENZENE	56	20	N.D.	--
2-HEXANONE	N.D.	20	N.D.	--
METHYLENE CHLORIDE	N.D.	20	N.D.	--
METHYL ISOBUTYL KETONE	N.D.	20	N.D.	--
STYRENE	29	20	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	20	N.D.	--
TETRACHLOROETHENE	N.D.	20	N.D.	--
TOLUENE	48	20	N.D.	107
1,1,1-TRICHLOROETHANE	N.D.	20	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	20	N.D.	--
TRICHLOROETHENE	N.D.	20	N.D.	105
TRICHLOROFLUOROMETHANE	N.D.	20	N.D.	--
VINYL ACETATE	N.D.	20	N.D.	--
VINYL CHLORIDE	N.D.	20	N.D.	--
TOTAL XYLENES	77	20	N.D.	--

Aaron McMichael
Chemist

Ali Kharrazi
Organic Manager

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

October 28, 1995 *Submission #:* 9510416

OGISO

Atten: Hamid Mashtoghi
Project: Cypress "B" Phoenix 800
Received: October 28, 1995
re: One sample for Volatile Organic Compounds analysis.
Method: EPA 8240/8260
SampleID: **100 Gal UST-Soil**
Sample #: 108277 *Matrix:* SOIL
Sampled: October 28, 1995 *Run:* 9130-A *Analyzed:* October 28, 1995

Analyte	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
ACETONE	N.D.	10	N.D.	--
BENZENE	N.D.	5.0	N.D.	108
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--
BROMOFORM	N.D.	5.0	N.D.	--
BROMOMETHANE	N.D.	5.0	N.D.	--
2-BUTANONE	N.D.	5.0	N.D.	--
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--
CHLOROBENZENE	N.D.	5.0	N.D.	104
CHLOROETHANE	N.D.	5.0	N.D.	--
2-CHLOROETHYLVINYLETHER	N.D.	5.0	N.D.	--
CHLOROFORM	N.D.	5.0	N.D.	--
CHLOROMETHANE	N.D.	5.0	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	76
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--
1,3-DICHLOROPROPENE (CIS)	N.D.	5.0	N.D.	--
1,3-DICHLOROPROPENE (TRANS)	N.D.	5.0	N.D.	--
ETHYL BENZENE	N.D.	5.0	N.D.	--
2-HEXANONE	N.D.	5.0	N.D.	--
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--
4-METHYL-2-PENTANONE	N.D.	5.0	N.D.	--
STYRENE	N.D.	5.0	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--
TETRACHLOROETHENE	N.D.	5.0	N.D.	--
TOLUENE	N.D.	5.0	N.D.	107
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--
TRICHLOROETHENE	N.D.	5.0	N.D.	105
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--
VINYL ACETATE	N.D.	5.0	N.D.	--
VINYL CHLORIDE	N.D.	5.0	N.D.	--
TOTAL XYLENES	N.D.	5.0	N.D.	--

Aaron McMichael
Chemist

Ali Kharrazi
Organic Manager

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

FAX 451-5773 Due Sunday Noon
510-451-5773 10/29

N:QC1002 AARON 20:27:1

APPENDIX C3:

STOCKPILE CHAIN-OF-CUSTODY AND LABORATORY ANALYTICAL REPORT

SPARGER TECHNOLOGY, INC.

Analytical Laboratory

3050 Fite Circle, #112, Sacramento, CA 95827 — Phone: (916) 362-8947 — FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD

C.O.C. No: 10507 (577)

Page 2 of 2 — STAL Invoice Number:

Company: OGISD — Phone: (510) 451-5771

Project Manager: Hamid Moshtaghi — FAX: (510) 451-5773

Report Address: 15024 Franklin St #307, Oakland, CA 94613

Billing Name & Address: 100 W. Iowa Av #200, Sunnyvale, CA 94086

Project Name: Cypress B, Phoenix 80 — Project/Job#:

Project Location: Oakland — P.O.#:

Sampler's Name:

REMARKS: A92

ANALYSIS REQUEST

		All OK	None OK	Some OK
Cooler Temp.	°C			
Sample Condition				
pH				

WET(STLC) / TCLP / Total

NO.	SAMPLE ID	Sampling: Date	Time	Container: 40 mL VOA	Brass Sleeve	1 L amber bottle	250 mL Plastic	Other:	Preservative Used: HCl/HNO3/ICE	None	Other:	Matrix: Water	Soil	Air	Other:	BTEX (602/8020)503.1	BTEX/TPHgas (602/8020/8015)	TPHdiesel/TPHmotor oil/kerosene(8015)	EPA 601/8010/502.2/504	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCB's)	EPA 624/8240/524.2	EPA 625/8270/525	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	RCI	CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead	Standard 5-day
1	T-DIESTOC1	10/27																✓														✓
2	T-DIESTOC2																	✓														
3	T-DIESTOC3																	✓														
4	T-DIESTOC4																	✓														
5																																
6																																
7																																
8																																
9																																
10																																

Relinquished by: — Received by:

Date: 10/27/95 Time: 4:15 pm — Date: 10/27/95 Time: 4:15

Relinquished by: — Received by:

Date: — Time: — Date: — Time:

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

11/02/95 10:43 SPARGER 916 362 0917 003/003

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Divis
Mobile Laboratory Divis
Scientific Divis

Metal
EPA Method 6010

Attention: Mr. Hamid Moshtaghi
Ogiso Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Project #:

Client ID: T.DIESSTOC1

Matrix: Soil

Date Sampled: Oct 27, 1995
Date Received: Oct 27, 1995
Date Requested: Nov 1, 1995
Date Analyzed: Nov. 2, 1995

Project Name: Cypress B Phoenix

LAB ID: ST95-10-3075A

Dilution:

Name	Amount	Reporting Limit	Units
Lead (Pb)	1.2	1.0	mg/Kg

ppm= parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Nov 3, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1814)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Divisi
Mobile Laboratory Divisi
Scientific Divisi

Metal
EPA Method 6010

Attention: Mr. Hamid Moshtaghi
Ogiso Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Project #:

Client ID: T.DIESSTOC2

Matrix: Soil

Date Sampled: Oct 27, 1995
Date Received: Oct 27, 1995
Date Requested: Nov 1, 1995
Date Analyzed: Nov. 2, 1995

Project Name: Cypress B Phoenix

LAB ID: ST95-10-3077A

Dilution:

Name	Amount	Reporting Limit	Units
Lead (Pb)	82	1.0	mg/Kg

ppm= parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit

R. L. James, Principal Chemist

Nov 3, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY

(Certification No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Divis
Mobile Laboratory Divis
Scientific Divis

Metal
EPA Method 6010

Attention: Mr. Hamid Moshtaghi
Ogiso Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Project #:

Client ID: T.DIESSTOC3

Matrix: Soil

Date Sampled: Oct 27, 1995
Date Received: Oct 27, 1995
Date Requested: Nov 1, 1995
Date Analyzed: Nov. 2, 1995

Project Name: Cypress B Phoenix

LAB ID: ST95-10-3079A

Dilution:

Name	Amount	Reporting Limit	Units
Lead (Pb)	38	1.0	mg/Kg

ppm= parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Nov 3, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Divis
Mobile Laboratory Divisi
Scientific Divisi

Metal
EPA Method 6010

Attention: Mr. Hamid Moshtaghi
Ogiso Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Project #:

Client ID: T.DIESSTOC4

Matrix: Soil

Date Sampled: Oct 27, 1995
Date Received: Oct 27, 1995
Date Requested: Nov 1, 1995
Date Analyzed: Nov. 2, 1995

Project Name: Cypress B Phoenix

LAB ID: ST95-10-3081A

Dilution:

Name	Amount	Reporting Limit	Units
Lead (Pb)	43	1.0	mg/Kg

ppm= parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Nov 3, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1674)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Div
Mobile Laboratory Division
Scientific Division

TCLP Metal, EPA Method 6010
Analysis Report

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, Suite 304 Oakland, CA 94612	Date Sampled: Date Received: Date Requested: Date Analyzed:	Oct 27, 1995 Oct 27, 1995 Nov 1, 1995 Nov 3, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.DIESSTOC1	LAB ID:	ST95-10-3076A
Matrix:	TCLP Extract	Dilution:	

Name	Amount	Reporting Limits	Units
Lead (Pb)	ND	0.50	mg/L

ppm= parts per million = mg/L = milligrams per Liter
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Nov 3, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

TCLP Metal, EPA Method 6010
Analysis Report

Attention: Mr. Hamid Moshtaghi
Ogiso Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Project #:

Client ID: T.DIESSTOC2

Matrix: TCLP Extract

Date Sampled: Oct 27, 1995
Date Received: Oct 27, 1995
Date Requested: Nov 1, 1995
Date Analyzed: Nov 3, 1995

Project Name: Cypress B Phoenix

LAB ID: ST95-10-3078A

Dilution:

Name	Amount	Reporting Limits	Units
Lead (Pb)	0.59	0.50	mg/L

ppm = parts per million = mg/L = milligrams per Liter
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Nov 3, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

TCLP Metal, EPA Method 6010
Analysis Report

Attention: Mr. Hamid Moshtaghi
Ogiso Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Date Sampled: Oct 27, 1995
Date Received: Oct 27, 1995
Date Requested: Nov 1, 1995
Date Analyzed: Nov 3, 1995

Project #:

Project Name: Cypress B Phoenix

Client ID: T.DIESSTOC3

LAB ID: ST95-10-3080A

Matrix: TCLP Extract

Dilution:

Name	Amount	Reporting Limits	Units
Lead (Pb)	ND	0.50	mg/L

ppm= parts per million = mg/L = milligrams per Liter
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Nov 3, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

TCLP Metal, EPA Method 6010
Analysis Report

Attention: Mr. Hamid Moshtaghi
Ogiso Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Date Sampled: Oct 27, 1995
Date Received: Oct 27, 1995
Date Requested: Nov 1, 1995
Date Analyzed: Nov 3, 1995

Project #:

Project Name: Cypress B Phoenix

Client ID: T.DIESSTOC4

LAB ID: ST95-10-3082A

Matrix: TCLP Extract

Dilution:

Name	Amount	Reporting Limits	Units
Lead (Pb)	1.6	0.50	mg/L

ppm = parts per million = mg/L = milligrams per Liter
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Nov 3, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8015 Modified Analysis Report

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, # 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct. 27, 1995 Oct. 27, 1995 Oct. 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.DIESSTOC1	LAB ID:	ST95-10-2773A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Detection Limit	Units
TPHdiesel	ND	1.0	ug/g

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm= parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Oct 31, 1995
Date Reported

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8015 Modified Analysis Report

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, # 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct. 27, 1995 Oct. 27, 1995 Oct. 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.DIESSTOC2	LAB ID:	ST95-10-2774A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Detection Limit	Units
TPHdiesel	ND	1.0	ug/g

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm= parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Oct 31, 1995
Date Reported

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Divisi
Mobile Laboratory Division
Scientific Division

8015 Modified Analysis Report

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, # 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct. 27, 1995 Oct. 27, 1995 Oct. 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.DIESSTOC3	LAB ID:	ST95-10-2775A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Detection Limit	Units
TPHdiesel	ND	1.0	ug/g

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm= parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Oct 31, 1995
Date Reported

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8015 Modified Analysis Report

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, # 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct. 27, 1995 Oct. 27, 1995 Oct. 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.DIESSTOC4	LAB ID:	ST95-10-2776A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Detection Limit	Units
TPHdiesel	6.8	1.0	ug/g

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm= parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Oct 31, 1995
Date Reported

104/109578-109595

SAMP #: 551104 REP: PM
CLIENT: SMITH
DUE: 11/07/95
REF #:24847

24847

RIEDEL ENVIRONMENTAL SERVICES, INC
4138 Lakeside Drive, Richmond, California 94806
Phone: (510) 222-7810 Fax: (510) 222-6868

Chain of Custody Request for Analysis

Date: 11/6/95
Page: 1
Of: 1

Phone:

PROJECT INFORMATION

Project Manager: CHRIS WAITE
Project Name: 4404
Fax Results to: SAME At: 744-3912
Project #: 4404
Also to: At:
Send Report to:
P.O.#:
Sample Team (print):
(signatures):
Turn Around Time: 10 Day 5 Day 48 Hr. 24 Hr. Other

Sample ID	Lab ID	Date	Time	Matrix	Preserv.	TPH – Gasoline (EPA 5030, 8015)	TPH – Diesel (EPA 3510/3550, 8015)	TEH – Kerosene, Diesel, Motor Oil (EPA 3510/3550, 8015)	Purgeable Aromatics BTEX (EPA 602, 8020)	Purgeable Halocarbons (EPA 601, 8010)	Volatile Organics (EPA 624, 8240, 524.2)	Semivolatile Organics (EPA 625/827, 8270, 525)	Total Oil & Grease (EPA 5520, B+F, E+F)	Total Recoverable Petroleum Hydrocarbons (EPA 418.1)		Metals: Cd, Cr, Pb, Zn, Ni Total or Soluble	CAM Metals (17) Total or Soluble	Lead (Pb) Total, Soluble, or Organic	Extraction TCLP or STLC (Wet)			Number of Containers
TOIES2.STOC1ABCD		11/6/95	0945-1020	SOIL			X							X				X	X			4
TOIES2.STOC2ABCD		11/6/95	1030-1108	SOIL			X							X				X	X			4
TOIES2.STOC3ABCD		11/6/95	1108-1133	SOIL			X							X				X	X			4
TOIES2.STOC4ABCD		11/6/95	1158-1305	SOIL			X							X				X	X			4
TOIES2.STOC5ABCD		11/6/95	1314-1356	SOIL			X							X				X	X			4
TOIES2.STOC6ABCD		11/6/95	1350-1440	SOIL			X							X				X	X			4
2TSOLV.STOCABCD		11/6/95	1500-1521	SOIL														X	X			4
Pb2STOCABCD		11/6/95		SOIL			X							X				X	X			4
T-17-W		11/6/95		SOIL			X							X								1

RUSH

SPECIAL INSTRUCTIONS:
RUN TCLP ON TOIES2.STOCX ABCD'S AND Pb2.STOCABCD ONLY IF TOTAL IS OVER 840PPM (Pb)

SAMPLE RECEIPT
Total No. Containers
Head Space Y N
Rec'd Good Cond/Cold Y N
Conforms to Record Y N

RELINQUISHED BY (Sampler):
CHRIS MERRETT 5:45pm
(Signature) (Time)
CHRIS MERRETT 11/6/95
(Printed Name) (Date)
SMITH
(Company)

RECEIVED BY:
[signature] 1745
(Signature) (Time)
[illegible] 11-6-95
(Printed Name) (Date)
[illegible]
(Company)

RELINQUISHED BY:
(Signature) (Time)
(Printed Name) (Date)
(Company)

RECEIVED BY
(Signature) (Time)
(Printed Name) (Date)
(Company)

RELINQUISHED BY:
(Signature) (Time)
(Printed Name) (Date)
(Company)

RECEIVED BY (Laboratory):
(Signature) (Time)
(Printed Name) (Date)
(Company)

COMMENTS:
TOIES2.STOCX ABCD - 24HR TTLC - STANDARD FOR RCRA
2TSOLV.STOCK ABCD 24HR TTLC - ASAP/48 TCLP
Pb2.STOC ABCD - 24HR TTLC - STANDARD FOR OTHERS
T-17-W - 24HR TAT ALL

TO:RIEDEL
NOV 10 '95 FRI 08:30 ID:CROWLEY LAB TEC TEL NO:510 424 1096 #000 P07

CHROMALAB, INC.

Environmental Services (SDB)

November 8, 1995

Submission #: 9511104

SMITH ENVIRONMENTAL

Attn: Chris White

Project: 4404
Received: November 6, 1995

Project#: 4404

re: 8 samples for Total Recoverable Petroleum Hydrocarbons analysis.
Method: EPA 418.1

Sampled: November 6, 1995 *Matrix:* SOIL *Extracted:* November 7, 1995
Run: 9272-C *Analyzed:* November 7, 1995

Spl #	Sample ID	TRPH (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
109579	T DIES2.STOC 1A,B,C,D	110	10	N.D.	89
109588	PB2.STOC A,B,C,D	31	10	N.D.	85
109589	T DIES2.STOC 2A,B,C,D	69	10	N.D.	85
109590	T DIES2.STOC 3A,B,C,D	93	10	N.D.	85
109591	T DIES2.STOC 4A,B,C,D	65	10	N.D.	85
109592	T DIES2.STOC 5A,B,C,D	33	10	N.D.	85
109593	T DIES2.STOC 6A,B,C,D	51	10	N.D.	85
109595	T-17-W	N.D.			

Carolyn House
Extractions Supervisor

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

November 10, 1995

Submission #: 9511104
Reissued from Nov. 6, 1995

SMITH ENVIRONMENTAL

Atten: Chris White

Project: 4404
Received: November 6, 1995

Project#: 4404

re: 8 samples for Diesel analysis.
Method. EPA 3550/8015M

Sampled: November 6, 1995 *Matrix:* SOIL *Extracted:* November 7, 1995
Run: 9277 K *Analyzed:* November 7, 1995

Spl #	Sample ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
109579	T DIES2.STOC 1A,B,C,D	N.D.	1.0	N.D.	70
109588	PB2.STOC A,B,C,D	N.D.	1.0	N.D.	70
	For above sample: *Unknown hydrocarbons in the Diesel range, conc.= 13 mg/Kg.*				
109589	T DIES2.STOC 2A,B,C,D	1.8	1.0	N.D.	70
109590	T DIES2.STOC 3A,B,C,D	N.D.	1.0	N.D.	70
109591	T DIES2.STOC 4A,B,C,D	N.D.	1.0	N.D.	70
109592	T DIES2.STOC 5A,B,C,D	N.D.	1.0	N.D.	70
	For above sample: *Unknown hydrocarbons in the Diesel range, conc.= 2.2 mg/Kg.*				
109593	T DIES2.STOC 6A,B,C,D	N.D.	1.0	N.D.	70
109595	T 17 W	N.D.	1.0	N.D.	70

Kayvan Kimyai
Chemist

Eric Tam
Laboratory Director

CHROMALAB, INC.

Environmental Services (SDB)

November 7, 1995 *Submission #:* 9511104

SMITH ENVIRONMENTAL

Atten: Chris White

Project: 4404 *Project#:* 4404
Received: November 6, 1995

re: 8 samples for Lead analysis.
Method: EPA 3050M/7420

Sampled: November 6, 1995 *Matrix:* SOIL *Extracted:* November 7, 1995
Run: 9264-A *Analyzed:* November 7, 1995

Spl #	Sample ID	LEAD (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
109578	T DIES2.STOC 1A,B,C,D	150	5.0	N.D.	103
109580	T DIES2.STOC 2A,B,C,D	36	5.0	N.D.	103
109581	T DIES2.STOC 3A,B,C,D	74	5.0	N.D.	103
109582	T DIES2.STOC 4A,B,C,D	90	5.0	N.D.	103
109583	T DIES2.STOC 5A,B,C,D	46	5.0	N.D.	103
109584	T DIES2.STOC 6A,B,C,D	76	5.0	N.D.	103
109585	2T SOLV.STOC A,B,C,D	980	5.0	N.D.	103
109587	PB2.STOC A,B,C,D	38	5.0	N.D.	103

Christopher Arndt
Chemist

John S. Labash
Inorganics Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

November 7, 1995 *Submission #:* 9511104

SMITH ENVIRONMENTAL

Atten: Chris White

Project: 4404 *Project#:* 4404
Received: November 6, 1995

re: 7 samples for Lead analysis.
Method: EPA 3050M/7420

Sampled: November 6, 1995 *Matrix:* SOIL *Extracted:* November 7, 1995
Run: 9264-A *Analyzed:* November 7, 1995

Spl #	Sample ID	LEAD (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
109578	T DIES2.STOC 1A,B,C,D	150	5.0	N.D.	103
109580	T DIES2.STOC 2A,B,C,D	36	5.0	N.D.	103
109581	T DIES2.STOC 3A,B,C,D	74	5.0	N.D.	103
109582	T DIES2.STOC 4A,B,C,D	90	5.0	N.D.	103
109583	T DIES2.STOC 5A,B,C,D	46	5.0	N.D.	103
109584	T DIES2.STOC 6A,B,C,D	76	5.0	N.D.	103
109585	T SOLV.STOC A,B,C,D	980	5.0	N.D.	103

Christopher Arndt
Chemist

John G. Labaeh
Inorganics Supervisor

SPARGER TECHNOLOGY, INC.

Analytical Laboratory

3050 Fite Circle, #112 Sacramento, CA 95827

Phone: (916) 362-8947

FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD

C.O.C. No. 10506

Page 1 of 2

STAL Invoice Number: 577

Company: OGISO Phone: (510) 451-5771

Project Manager: Hamid Moshtaghi FAX: (510) 451-5773

Report Address: 1504 Franklin St #300 Oakland, CA 94612

Billing Name & Address: 150 W. Iowa Av. #200 Sunnyvale, CA 94086

Project Name: Cypress B Phoenix Project/Job#:

Project Location: Oakland P.O.#:

ANALYSIS REQUEST

REMARKS: A12

Sampler's Name:

		All OK	None OK	Some OK
Cooler Temp.	°C			
Sample Condition				
pH				

WET(STLC) / TCLP / (Total)

NO.	SAMPLE ID	Sampling: Date	Time	Container: 40 mL VOA	Brass Sleeve	1 L amber bottle	250 mL Plastic	Other:	Preservative Used: HCl/HNO3/ICE	None	Other:	Matrix: Water	Soil	Air	Other:	BTEX (602/8020)503.1	BTEX/TPHgas (602/8020/8015)	TPHdiesel/TPHmotor oil/kerosene(8015)	EPA 601/8010/502.2/504	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCB's)	EPA 624/8240/524.2	EPA 625/8270/525.1	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	RCI	CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead	Standard
1	T-SOLVSTOC1	10/27																													
2	T-SOLVSTOC2																														
3	T-SOLVSTOC3																														
4	T-SOLVSTOC4																														
5	T-SOLVSTOC5																														
6	T-SOLVSTOC6																														
7	T-SUMPSTOC1																														
8	T-SUMPSTOC2																														
9	T-SUMPSTOC3																														
10																															

Relinquished by: Date: 10/27 Time: 4 10 pm

Received by: Date: 10/27/95 Time: 4:10

Relinquished by: Date: Time:

Received by: Date: Time:

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

5-day

11/02/95 10:41 SPARGER 916 362 0947 002/003

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, Suite 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct. 27 1995 Oct. 27, 1995 Oct. 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVST OC1	LAB ID:	ST95-10-2745A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
1,1 - Dichloroethane	ND	5.0	ug/kg
1,1 - Dichloroethene	ND	5.0	ug/kg
1,1,1 - Trichloroethane	ND	5.0	ug/kg
1,1,2 - Trichloroethane	ND	5.0	ug/kg
1,1,2,2 - Tetrachloroethane	ND	5.0	ug/kg
1,2 - Dichloroethane	ND	5.0	ug/kg
cis - 1,2 - Dichloroethene	ND	5.0	ug/kg
1,2 Dichloropropane	ND	5.0	ug/kg
trans 1,2 Dichloroethene	ND	5.0	ug/kg
2 Butanone	ND	10.0	ug/kg
2 Hexanone	ND	10.0	ug/kg
4 - Methyl - 2 - pentanone	ND	10.0	ug/kg
Acetone	ND	25.0	ug/kg
Benzene	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	5.0	ug/kg
Carbon disulfide	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chloroethane	ND	5.0	ug/kg
Chloroform	ND	5.0	ug/kg
Chloromethane	ND	5.0	ug/kg
cis - 1,3 - Dichloropropene	ND	5.0	ug/kg
Dibromochloromethane	ND	5.0	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = ug/g = micrograms per gram
ND = Not Detected. Compound may be present at concentrations below the reporting limit

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1604 Franklin Street, Suite 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct. 27, 1995 Oct. 27, 1995 Oct. 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVSTOC1	LAB ID:	ST95-10-2745A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
Ethyl benzene	ND	5.0	ug/kg
Methylene chloride	ND	10.0	ug/kg
Styrene	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	43	5.0	ug/kg
Meta/Para-Xylenes	ND	5.0	ug/kg
Ortho-Xylenes	ND	5.0	ug/kg
trans - 1,3 - Dichloropropene	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Vinyl acetate	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg

Surrogate % Recovery 1,2 - Dichloroethane d-4 =	162%*
Surrogate % Recovery Toluene d-8 =	104%
Surrogate % Recovery 4 - Bromofluorobenzene =	213%*

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = ug/g = micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.
* High surrogate percent recovery due to matrix effect

R. T. James, Principal Chemist

Oct 31, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certificate No. 1514)

Sparger Technology, Inc.

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, Suite 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct. 27, 1995 Oct. 27, 1995 Oct. 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	1.SOLVST0C2	LAB ID:	S195-10-2748A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
1,1 Dichloroethane	ND	5.0	ug/kg
1,1 - Dichloroethene	ND	5.0	ug/kg
1,1,1 - Trichloroethane	ND	5.0	ug/kg
1,1,2 - Trichloroetnane	ND	5.0	ug/kg
1,1,2,2 - Tetrachloroetnane	ND	5.0	ug/kg
1,2 - Dichloroethane	ND	5.0	ug/kg
cis - 1,2 - Dichloroethene	ND	5.0	ug/kg
1,2 - Dichloropropane	ND	5.0	ug/kg
trans - 1,2 - Dichloroethene	ND	5.0	ug/kg
2 - Butanone	ND	10.0	ug/kg
2 - Hexanone	ND	10.0	ug/kg
4 - Methyl - 2 - pentanone	ND	10.0	ug/kg
Acetone	ND	25.0	ug/kg
Benzene	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	5.0	ug/kg
Carbon disulfide	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chloroethane	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
Chloromethane	ND	5.0	ug/kg
cis - 1,3 - Dichloropropene	ND	5.0	ug/kg
Dibromochloromethane	ND	5.0	ug/kg

ppb - parts per billion - ug/kg - micrograms per kilogram
ppm - parts per million - ug/g - micrograms per gram
ND - Not Detected. Compound(s) may be present at concentrations below the reporting limit

Sparger Technology Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention:	Mr. Hamid Mostaghi Ogiso Environmental 1504 Franklin Street, Suite 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct. 27, 1995 Oct. 27, 1995 Oct. 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T SOI VSTOC2	LAB ID.	ST95-10-2746A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
Ethyl benzene	ND	5.0	ug/kg
Methylene chloride	ND	10.0	ug/kg
Styrene	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Meta/Para-Xylenes	ND	5.0	ug/kg
Ortho-Xylenes	ND	5.0	ug/kg
trans - 1,3 - Dichloropropene	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Vinyl acetate	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
Surrogate % Recovery 1,2 - Dichloroethane d-4 =		119%*	
Surrogate % Recovery Toluene d-8 =		147%*	
Surrogate % Recovery 4 - Bromofluorobenzene =		239%*	

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = ug/g = micrograms per gram
ND = not detected. Compound(s) may be present at concentrations below the reporting limit.
*** High surrogate percent recovery due to matrix effect**

D. L. James, Principal Chemist

Oct 31, 1995
Date Reported

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention: Mr. Hamid Moshtaghi
Ogico Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Date Sampled: Oct. 27, 1995
Date Received: Oct. 27, 1995
Date Analyzed: Oct. 31, 1995

Project #:

Project Name: Cypress B Pipenix

Client ID: T.SOLVSTOC3

LAB ID: ST95-10-2751A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
1,1 - Dichloroethane	ND	5.0	ug/kg
1,1 - Dichloroethene	ND	5.0	ug/kg
1,1,1 - Trichloroethane	ND	5.0	ug/kg
1,1,2 - Trichloroethane	ND	5.0	ug/kg
1,1,2,2 - Tetrachloroethane	ND	5.0	ug/kg
1,2 - Dichloromethane	ND	5.0	ug/kg
cis - 1,2 - Dichloroethene	ND	5.0	ug/kg
1,2 - Dichloropropane	ND	5.0	ug/kg
trans - 1,2 - Dichloroethene	ND	10.0	ug/kg
2 - Butanone	ND	10.0	ug/kg
2 - Hexanone	ND	10.0	ug/kg
4 - Methyl - 2 - pentanone	ND	25.0	ug/kg
Acetone	ND	5.0	ug/kg
Benzene	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	5.0	ug/kg
Carbon disulfide	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chloroethane	ND	5.0	ug/kg
Chloroform	ND	5.0	ug/kg
Chloromethane	ND	5.0	ug/kg
cis - 1,3 - Dichloropropene	ND	5.0	ug/kg
Dibromochloromethane	ND	5.0	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = ug/g = micrograms per gram
ND = Not Detected. Compounds may be present at concentrations below the reporting limit

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention: Mr. Hamid Moshtaghi
Ogilo Environmental
1504 Franklin Street Suite 304
Oakland, CA 94612

Date Sampled: Oct 27, 1995
Date Received: Oct 27, 1995
Date Analyzed: Oct. 31, 1995

Project #

Project Name: Cypress B Phoenix

Client ID. T.SOLVSTOC3

LAB ID: ST95-10-2751A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
Ethyl benzene	ND	5.0	ug/kg
Methylene chloride	ND	10.0	ug/kg
Styrene	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Meta/Para-Xylenes	ND	5.0	ug/kg
Ortho-Xylenes	ND	5.0	ug/kg
trans - 1,3 - Dichloropropene	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Vinyl acetate	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
Surrogate % Recovery 1,2 - Dichloroethane d-4 =		106%	
Surrogate % Recovery Toluene d-6 =		122%*	
Surrogate % Recovery 4 - Bromofluorobenzene =		179%*	

Ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = mg/kg = micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.
*** High surrogate percent recovery due to matrix effect**

D. L. Jamoc, Principal Chemist

Oct 31, 1995
Date Reported

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention: Mr. Hamid Moshtagni
Ogiso Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Date Sampled: Oct 27, 1995
Date Received: Oct 27, 1995
Date Analyzed: Oct. 31, 1995

Project #:

Project Name: Cypress B Phoenix

Client ID: T.SOLVBTOC4

LAB ID: ST95-10-2754A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
1,1 - Dichloroethane	ND	5.0	ug/kg
1,1 - Dichloroethene	ND	5.0	ug/kg
1,1,1 - Trichloroethane	ND	5.0	ug/kg
1,1,2 - Trichloromethane	ND	5.0	ug/kg
1,1,2,2 - Tetrachloroethane	ND	5.0	ug/kg
1,2 - Dichloroethane	ND	5.0	ug/kg
cis - 1,2 - Dichloroethene	ND	5.0	ug/kg
1,2 - Dichloropropane	ND	5.0	ug/kg
trans - 1,2 - Dichloroethene	ND	5.0	ug/kg
2 Butanone	ND	10.0	ug/kg
2 Hexanone	ND	10.0	ug/kg
4 - Methyl - 2 - pentanone	ND	10.0	ug/kg
Acetone	ND	25.0	ug/kg
Benzene	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	5.0	ug/kg
Carbon disulfide	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chloroethane	ND	5.0	ug/kg
Chloroform	ND	5.0	ug/kg
Chloromethane	ND	5.0	ug/kg
cis - 1,3 - Dichloropropene	ND	5.0	ug/kg
Dibromochloromethane	ND	5.0	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = mg/kg = milligrams per gram
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention: Mr. Hamid Moshtaghi
Ogisc Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Date Sampled: Oct. 27, 1995
Date Received: Oct. 27, 1995
Date Analyzed: Oct. 31, 1995

Project #:

Project Name: Cypress B Phoenix

Client ID: T.SOLVST004

LAB ID: 5705 10-2754A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
Ethyl benzene	ND	5.0	ug/kg
Methylene chloride	ND	10.0	ug/kg
Styrene	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Meta/Para-Xylenes	ND	5.0	ug/kg
Ortho-Xylenes	ND	5.0	ug/kg
trans - 1,3 - Dichloropropene	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Vinyl acetate	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
Surrogate % Recovery 1,2 - Dichloroethane d-4 =		100%	
Surrogate % Recovery Toluene d-8 =		123%*	
Surrogate % Recovery 4 - Bromofluorobenzene =		142%*	

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = mg/kg = milligrams per gram
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.
* High surrogate percent recovery due to matrix effect
** Unknown hydrocarbons were found to be present

R. L. James, Principal Chemist

Oct 31, 1995
Date Reported

Sparger Technology, Inc.
An Automatix Company

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention: Mr. Hamid Moshtaghi
Ogisc Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Date Sampled: Oct. 27, 1995
Date Received: Oct. 27, 1995
Date Analyzed: Oct. 31, 1995

Project #:

Project Name: Cypress B Phoenix

Client ID: T.SOI VSTOC5

LAB ID. ST95-10 2757A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
1,1 Dichloroethane	ND	5.0	ug/kg
1,1 - Dichloroethene	ND	5.0	ug/kg
1,1,1 - Trichloroethane	ND	5.0	ug/kg
1,1,2 - Trichloroethane	ND	5.0	ug/kg
1,1,2,2 - Tetrachloroethane	ND	5.0	ug/kg
1,2 - Dichloroethane	ND	5.0	ug/kg
cis - 1,2 - Dichloroethene	ND	5.0	ug/kg
1,2 - Dichloropropane	ND	5.0	ug/kg
trans - 1,2 - Dichloroethene	ND	5.0	ug/kg
2 - Butanone	ND	10.0	ug/kg
2 - Hexanone	ND	10.0	ug/kg
4 - Methyl - 2 - pentanone	ND	10.0	ug/kg
Acetone	ND	25.0	ug/kg
Benzene	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	5.0	ug/kg
Carbon disulfide	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chloroethane	ND	5.0	ug/kg
Chloroform	ND	5.0	ug/kg
Chloromethane	ND	5.0	ug/kg
cis 1,3 - Dichloropropene	ND	5.0	ug/kg
Dibromochloromethane	ND	5.0	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = ug/g = micrograms per gram
ND = not detected. Compound(s) may be present at concentrations below the reporting limit.

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention: Mr. Hamid Moshtaghi
Ogiso Environmental
1501 Franklin Street, Suite 304
Oakland, CA 94612

Date Sampled: Oct. 27, 1995
Date Received: Oct. 27, 1995
Date Analyzed: Oct. 31, 1995

Project #:

Project Name: Cypress B Phoenix

Client ID: T.SOLVSTOCS

LAB ID: ST95-10-2757A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
Ethyl benzene	ND	5.0	ug/kg
Methylene chloride	ND	10.0	ug/kg
Styrene	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Meta/Para Xylenes	ND	5.0	ug/kg
Ortho-Xylenes	ND	5.0	ug/kg
trans 1,3 - Dichloropropene	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Vinyl acetate	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg

Surrogate % Recovery 1,2 - Dichloroethane d-4 =	103%
Surrogate % Recovery Toluene d-8 =	101%
Surrogate % Recovery 4 - Bromofluorobenzene =	91%

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = mg/g = milligrams per gram
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

R. L. James, Principal Chemist

Oct 31, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Page 1 of 2
Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention: Mr. Hamid Moshtaghi
Ogiso Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Date Sampled: Oct. 27, 1995
Date Received: Oct. 27, 1995
Date Analyzed: Oct. 31, 1995

Project #:

Project Name: Cypress & Phoenix

Client ID: T SOLVSTOCK

LAD ID: 5795-10-2760A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
1,1 Dichloromethane	ND	5.0	ug/kg
1,1 - Dichloroethene	ND	5.0	ug/kg
1,1,1 - Trichloroethane	ND	5.0	ug/kg
1,1,2 - Trichloromethane	ND	5.0	ug/kg
1,1,2,2 - Tetrachloroethane	ND	5.0	ug/kg
1,2 - Dichloromethane	ND	5.0	ug/kg
cis - 1,2 - Dichloroethene	ND	5.0	ug/kg
1,2 - Dichloropropane	ND	5.0	ug/kg
trans - 1,2 - Dichloroethene	ND	5.0	ug/kg
2 - Butanone	ND	5.0	ug/kg
2 - Hexanone	ND	10.0	ug/kg
4 - Methyl - 2 - pentanone	ND	10.0	ug/kg
Acetone	ND	10.0	ug/kg
Benzene	ND	25.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	5.0	ug/kg
Carbon disulfide	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chloroethane	ND	5.0	ug/kg
Chloroform	ND	5.0	ug/kg
Chloromethane	ND	5.0	ug/kg
cis - 1,3 - Dichloropropene	ND	5.0	ug/kg
Dibromochloromethane	ND	5.0	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = mg/kg = milligrams per kg = ug/g
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

Sparger Technology, Inc.
With Automation In Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention: Mr. Hamid Moshtaghi
Ogisc Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Date Sampled: Oct. 27, 1995
Date Received: Oct. 27, 1995
Date Analyzed: Oct. 31, 1995

Project #:

Project Name: Cypress D Phoenix

Client ID: T SOLVSTOC6

LAB ID: ST95 10-2760A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
Ethyl benzene	ND	5.0	ug/kg
Methylene chloride	ND	10.0	ug/kg
Styrene	ND	5.0	ug/kg
Tetrachloroethene	13	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Meta/Para-Xylenes	ND	5.0	ug/kg
Ortho-Xylenes	ND	5.0	ug/kg
trans - 1,3 - Dichloropropene	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Vinyl acetate	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
Surrogate % Recovery 1,2 - Dichloroethane d-4 =		105%	
Surrogate % Recovery Toluene d-8 =		103%	
Surrogate % Recovery 4 - Bromofluorobenzene =		77%	

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = ug/gm = micrograms per gram
ND = Not Detected. Constituent(s) may be present at concentrations below the reporting limit.

R. L. James, Principal Chemist

Oct 31, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1814)

SPARGER TECHNOLOGY, INC.

Analytical Laboratory

3050 Fite Circle, #112 Sacramento, CA 95827

Phone: (916) 362-8947

FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD

C.O.C. No. 10506 (577)

Page 1 of 2

STAL Invoice Number:

Company: OGISO

Phone: (510) 451-5771

Project Manager: Hamid Moshtaghi

FAX: (510) 451-5773

Report Address: 1504 Franklin St #300 Oakland, CA 94612

Billing Name & Address: 150 W. Evelyn Av. #200 Sunnyvale, CA 94086

Project Name: Cypress Phoenix

Project/Job#:

Project Location: Oakland

P.O.#:

ANALYSIS REQUEST

REMARKS: A/C

Sampler's Name:

		All OK	None OK	Some OK	WET(STLC)
Cooler Temp.	°C				
Sample Condition					TCLP
pH					Total

NO.	SAMPLE ID	Sampling: Date	Sampling: Time	Container: 40 mL VOA	Container: Brass Sleeve	Container: 1 L Amber bottle	Container: 250 mL Plastic	Container: Other:	Preservative Used: HCl/HNO3/ICE	Preservative Used: None	Preservative Used: Other:	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Other:	BTEX (602/8020)/503.1	BTEX/TPH-gas (602/8020/8015)	TPHdiesel/TPHmotor oil/kerosene(8015)	EPA 601/8010/502.2/504	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCBs)/505/508	EPA 624/8240/524.2	EPA 625/8270/525	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	RCI	CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead	Standard (5-day)
1	T-SOLVSTOC1	10/27																													
2	T-SOLVSTOC2																														
3	T-SOLVSTOC3																														
4	T-SOLVSTOC4																														
5	T-SOLVSTOC5																														
6	T-SOLVSTOC6																														
7	T-SUMPSTOC1																														
8	T-SUMPSTOC2																														
9	T-SUMPSTOC3																														
10																															

Relinquished by: Date: 10/27 Time: 4:10 pm

Received by: Date: 10/27/95 Time: 4:10

Relinquished by: Date: Time:

Received by: Date: Time:

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

002 003 SPARGER 916 362 0947 10:41 11 02 95

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, Suite 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct. 27, 1995 Oct. 27, 1995 Oct. 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVSTOC1	LAB ID:	ST95-10-2746A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
1,2 - Dichlorobenzene	ND	330	ug/kg
1,2,4 - Trichlorobenzene	ND	330	ug/kg
1,3 - Dichlorobenzene	ND	330	ug/kg
1,4 - Dichlorobenzene	ND	330	ug/kg
2 - Chloronaphthalene	ND	330	ug/kg
2 - Chlorophenol	ND	330	ug/kg
2 - Methylnaphthalene	ND	330	ug/kg
2 - Methylphenol	ND	330	ug/kg
2 - Nitrophenol	ND	330	ug/kg
2,4 - Dichlorophenol	ND	330	ug/kg
2,4 - Dimethylphenol	ND	330	ug/kg
2,4 - Dinitrophenol	ND	1600	ug/kg
2,4 - Dinitrotoluene	ND	330	ug/kg
2,4,5 - Trichlorophenol	ND	1600	ug/kg
2,4,6 - Trichlorophenol	ND	330	ug/kg
2,6 - Dinitrotoluene	ND	330	ug/kg
2 - Nitroaniline	ND	1600	ug/kg
3,3' - Dichlorobenzidine	ND	660	ug/kg
3 - Nitroaniline	ND	1600	ug/kg
4 - Bromophenyl - phenylether	ND	330	ug/kg
4 - Chloro - 3 - Methylphenol	ND	330	ug/kg
4 - Chloroaniline	ND	330	ug/kg
4 - Methylphenol	ND	330	ug/kg
4 - Nitroaniline	ND	1600	ug/kg
4 - Nitrophenol	ND	1600	ug/kg
4,6 - Dinitro - 2 - Methylphenol	ND	1600	ug/kg
4 - Chlorophenyl - phenylether	ND	330	ug/kg
Acenaphthene	ND	330	ug/kg
Acenaphthylene	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm= parts per million = ug/g= micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Divis
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention: Mr. Hamid Moshtaghi
Ogiso Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Date Sampled: Oct. 27, 1995
Date Received: Oct. 27, 1995
Date Analyzed: Oct. 31, 1995

Project #:

Project Name: Cypress B Phoenix

Client ID: T.SOLVSTOC1

LAB ID: ST95-10-2746A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
Anthracene	480	330	ug/kg
Benzo (a) Anthracene	ND	330	ug/kg
Benzo (a) Pyrene	ND	330	ug/kg
Benzo (b) Fluoranthene	ND	330	ug/kg
Benzo (g, h, i) Perylene	ND	330	ug/kg
Benzo (k) Fluoranthene	ND	330	ug/kg
Benzoic Acid	ND	1600	ug/kg
Benzyl Alcohol	ND	330	ug/kg
bis (- 2 - Chloroethoxy) Methane	ND	330	ug/kg
bis (- 2 - Chloroethyl) Ether	ND	330	ug/kg
bis (2 - chloroisopropyl) Ether	ND	330	ug/kg
bis (2 - Ethylhexyl) Phthalate	ND	330	ug/kg
Butylbenzylphthalate	ND	330	ug/kg
Chrysene	ND	330	ug/kg
Di - N - Butylphthalate	ND	330	ug/kg
Di - N - Octyl Phthalate	ND	330	ug/kg
Dibenz (a, h) Anthracene	ND	330	ug/kg
Dibenzofuran	ND	330	ug/kg
Diethylphthalate	ND	330	ug/kg
Dimethyl Phthalate	ND	330	ug/kg
Fluoranthene	470	330	ug/kg
Fluorene	ND	330	ug/kg
Hexachlorobenzene	ND	330	ug/kg
Hexachlorobutadiene	ND	330	ug/kg
Hexachlorocyclopentadiene	ND	330	ug/kg
Hexachloroethane	ND	330	ug/kg
Indeno (1,2,3 - cd) Pyrene	ND	330	ug/kg
Isophorone	ND	330	ug/kg
N - Nitroso - Di - Propylamine	ND	330	ug/kg

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ppm= parts per million = ug/g= micrograms per gram

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Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, Suite 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct. 27, 1995 Oct. 27, 1995 Oct. 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVSTOC1	LAB ID:	ST95-10-2746A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
N - Nitrosodiphenylamine	ND	330	ug/kg
Naphthalene	ND	330	ug/kg
Nitrobenzene	ND	330	ug/kg
Pentachlorophenol	ND	1600	ug/kg
Phenanthrene	ND	330	ug/kg
Phenol	ND	330	ug/kg
Pyrene	410	330	ug/kg

Surrogate % Recovery 2 - Fluorophenol =	50%
Surrogate % Recovery Phenol - d6 =	49%
Surrogate % Recovery Nitrobenzene - d5 =	39%
Surrogate % Recovery 2 - Fluorobiphenyl =	42%
Surrogate % Recovery 2,4,6 - Tribromophenol =	59%
Surrogate % Recovery Terphenyl - d14 =	42%

ppb = parts per billion = ug/kg = micrograms per kilogram
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ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

*** Unknown aliphatic hydrocarbons were found to be present**

R. L. James, Principal Chemist

Oct 31, 1995
Date Reported

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Divis
Mobile Laboratory Divis
Scientific Division

8270 GCMS Analysis Report

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street. Suite 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct. 27, 1995 Oct. 27, 1995 Oct. 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVSTOC2	LAB ID:	ST95-10-2749A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
1,2 - Dichlorobenzene	ND	330	ug/kg
1,2,4 - Trichlorobenzene	ND	330	ug/kg
1,3 - Dichlorobenzene	ND	330	ug/kg
1,4 - Dichlorobenzene	ND	330	ug/kg
2 - Chloronaphthalene	ND	330	ug/kg
2 - Chlorophenol	ND	330	ug/kg
2 - Methylnaphthalene	ND	330	ug/kg
2 - Methylphenol	ND	330	ug/kg
2 - Nitrophenol	ND	330	ug/kg
2,4 - Dichlorophenol	ND	330	ug/kg
2,4 - Dimethylphenol	ND	330	ug/kg
2,4 - Dinitrophenol	ND	1600	ug/kg
2,4 - Dinitrotoluene	ND	330	ug/kg
2,4,5 - Trichlorophenol	ND	1600	ug/kg
2,4,6 - Trichlorophenol	ND	330	ug/kg
2,6 - Dinitrotoluene	ND	330	ug/kg
2 - Nitroaniline	ND	1600	ug/kg
3,3' - Dichlorobenzidine	ND	660	ug/kg
3 - Nitroaniline	ND	1600	ug/kg
4 - Bromophenyl - phenylether	ND	330	ug/kg
4 - Chloro - 3 - Methylphenol	ND	330	ug/kg
4 - Chloroaniline	ND	330	ug/kg
4 - Methylphenol	ND	330	ug/kg
4 - Nitroaniline	ND	1600	ug/kg
4 - Nitrophenol	ND	1600	ug/kg
4,6 - Dinitro - 2 - Methylphenol	ND	1600	ug/kg
4 - Chlorophenyl - phenylether	ND	330	ug/kg
Acenaphthene	ND	330	ug/kg
Acenaphthylene	ND	330	ug/kg

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Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVSTOC2	LAB ID:	ST95-10-2749A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
Anthracene	ND	330	ug/kg
Benzo (a) Anthracene	ND	330	ug/kg
Benzo (a) Pyrene	ND	330	ug/kg
Benzo (b) Fluoranthene	ND	330	ug/kg
Benzo (g, h, i) Perylene	ND	330	ug/kg
Benzo (k) Fluoranthene	ND	330	ug/kg
Benzoic Acid	ND	1600	ug/kg
Benzyl Alcohol	ND	330	ug/kg
bis (- 2 - Chloroethoxy) Methane	ND	330	ug/kg
bis (- 2 - Chloroethyl) Ether	ND	330	ug/kg
bis (2 - chloroisopropyl) Ether	ND	330	ug/kg
bis (2 - Ethylhexyl) Phthalate	ND	330	ug/kg
Butylbenzylphthalate	ND	330	ug/kg
Chrysene	ND	330	ug/kg
Di - N - Butylphthalate	ND	330	ug/kg
Di - N - Octyl Phthalate	ND	330	ug/kg
Dibenz (a, h) Anthracene	ND	330	ug/kg
Dibenzofuran	ND	330	ug/kg
Diethylphthalate	ND	330	ug/kg
Dimethyl Phthalate	ND	330	ug/kg
Fluoranthene	ND	330	ug/kg
Fluorene	ND	330	ug/kg
Hexachlorobenzene	ND	330	ug/kg
Hexachlorobutadiene	ND	330	ug/kg
Hexachlorocyclopentadiene	ND	330	ug/kg
Hexachloroethane	ND	330	ug/kg
Indeno (1,2,3 - cd) Pyrene	ND	330	ug/kg
Isophorone	ND	330	ug/kg
N - Nitroso - Di - Propylamine	ND	330	ug/kg

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Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVSTOC2	LAB ID:	ST95-10-2749A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
N - Nitrosodiphenylamine	ND	330	ug/kg
Naphthalene	ND	330	ug/kg
Nitrobenzene	ND	330	ug/kg
Pentachlorophenol	ND	1600	ug/kg
Phenanthrene	ND	330	ug/kg
Phenol	ND	330	ug/kg
Pyrene	ND	330	ug/kg

Surrogate % Recovery 2 - Fluorophenol =	45%
Surrogate % Recovery Phenol - d6 =	41%
Surrogate % Recovery Nitrobenzene - d5 =	36%
Surrogate % Recovery 2 - Fluorobiphenyl =	41%
Surrogate % Recovery 2,4,6 - Tribromophenol =	56%
Surrogate % Recovery Terphenyl - d14 =	40%

ppb = parts per billion = ug/kg = micrograms per kilogram
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ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.
*** Unknown aliphatic hydrocarbons were found to be present**

R. L. James, Principal Chemist

Oct 31, 1995
Date Reported

Sparger Technology, Inc.
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Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention: Mr. Hamid Moshtaghi
Ogiso Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Date Sampled: Oct. 27, 1995
Date Received: Oct. 27, 1995
Date Analyzed: Oct. 31, 1995

Project #:

Project Name: Cypress B Phoenix

Client ID: T.SOLVSTOC3

LAB ID: ST95-10-2752A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
1,2 - Dichlorobenzene	ND	330	ug/kg
1,2,4 - Trichlorobenzene	ND	330	ug/kg
1,3 - Dichlorobenzene	ND	330	ug/kg
1,4 - Dichlorobenzene	ND	330	ug/kg
2 - Chloronaphthalene	ND	330	ug/kg
2 - Chlorophenol	ND	330	ug/kg
2 - Methylnaphthalene	ND	330	ug/kg
2 - Methylphenol	ND	330	ug/kg
2 - Nitrophenol	ND	330	ug/kg
2,4 - Dichlorophenol	ND	330	ug/kg
2,4 - Dimethylphenol	ND	330	ug/kg
2,4 - Dinitrophenol	ND	1600	ug/kg
2,4 - Dinitrotoluene	ND	330	ug/kg
2,4,5 - Trichlorophenol	ND	1600	ug/kg
2,4,6 - Trichlorophenol	ND	330	ug/kg
2,6 - Dinitrotoluene	ND	330	ug/kg
2 - Nitroaniline	ND	1600	ug/kg
3,3' - Dichlorobenzidine	ND	660	ug/kg
3 - Nitroaniline	ND	1600	ug/kg
4 - Bromophenyl - phenylether	ND	330	ug/kg
4 - Chloro - 3 - Methylphenol	ND	330	ug/kg
4 - Chloroaniline	ND	330	ug/kg
4 - Methylphenol	ND	330	ug/kg
4 - Nitroaniline	ND	1600	ug/kg
4 - Nitrophenol	ND	1600	ug/kg
4,6 - Dinitro - 2 - Methylphenol	ND	1600	ug/kg
4 - Chlorophenyl - phenylether	ND	330	ug/kg
Acenaphthene	ND	330	ug/kg
Acenaphthylene	ND	330	ug/kg

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Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, Suite 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct. 27, 1995 Oct. 27, 1995 Oct. 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVSTOC3	LAB ID:	ST95-10-2752A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
Anthracene	ND	330	ug/kg
Benzo (a) Anthracene	ND	330	ug/kg
Benzo (a) Pyrene	ND	330	ug/kg
Benzo (b) Fluoranthene	ND	330	ug/kg
Benzo (g, h, i) Perylene	ND	330	ug/kg
Benzo (k) Fluoranthene	ND	330	ug/kg
Benzoic Acid	ND	1600	ug/kg
Benzyl Alcohol	ND	330	ug/kg
bis (- 2 - Chloroethoxy) Methane	ND	330	ug/kg
bis (- 2 - Chloroethyl) Ether	ND	330	ug/kg
bis (2 - chloroisopropyl) Ether	ND	330	ug/kg
bis (2 - Ethylhexyl) Phthalate	ND	330	ug/kg
Butylbenzylphthalate	ND	330	ug/kg
Chrysene	ND	330	ug/kg
Di - N - Butylphthalate	ND	330	ug/kg
Di - N - Octyl Phthalate	ND	330	ug/kg
Dibenz (a, h) Anthracene	ND	330	ug/kg
Dibenzofuran	ND	330	ug/kg
Diethylphthalate	ND	330	ug/kg
Dimethyl Phthalate	ND	330	ug/kg
Fluoranthene	ND	330	ug/kg
Fluorene	ND	330	ug/kg
Hexachlorobenzene	ND	330	ug/kg
Hexachlorobutadiene	ND	330	ug/kg
Hexachlorocyclopentadiene	ND	330	ug/kg
Hexachloroethane	ND	330	ug/kg
Indeno (1,2,3 - cd) Pyrene	ND	330	ug/kg
Isophorone	ND	330	ug/kg
N - Nitroso - Di - Propylamine	ND	330	ug/kg

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Project #:		Project Name:	Cypress B Phoenix
Client ID:	T-SOLVSTOC3	LAB ID:	ST95-10-2752A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
N - Nitrosodiphenylamine	ND	330	ug/kg
Naphthalene	ND	330	ug/kg
Nitrobenzene	ND	330	ug/kg
Pentachlorophenol	ND	1600	ug/kg
Phenanthrene	ND	330	ug/kg
Phenol	ND	330	ug/kg
Pyrene	ND	330	ug/kg

Surrogate % Recovery 2 - Fluorophenol =	50%
Surrogate % Recovery Phenol - d6 =	50%
Surrogate % Recovery Nitrobenzene - d5 =	39%
Surrogate % Recovery 2 - Fluorobiphenyl =	41%
Surrogate % Recovery 2,4,6 - Tribromophenol =	63%
Surrogate % Recovery Terphenyl - d14 =	40%

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm= parts per million = ug/g= micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.
*** Unknown aliphatic hydrocarbons were found to be present**

R. L. James, Principal Chemist

Oct 31, 1995
Date Reported

Sparger Technology, Inc.
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Analytical Laboratory Division
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8270 GCMS Analysis Report

Attention: Mr. Hamid Moshtaghi
Ogiso Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Date Sampled: Oct. 27, 1995
Date Received: Oct. 27, 1995
Date Analyzed: Oct. 31, 1995

Project #:

Project Name: Cypress B Phoenix

Client ID: T.SOLVSTOC4

LAB ID: ST95-10-2755A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
1,2 - Dichlorobenzene	ND	330	ug/kg
1,2,4 - Trichlorobenzene	ND	330	ug/kg
1,3 - Dichlorobenzene	ND	330	ug/kg
1,4 - Dichlorobenzene	ND	330	ug/kg
2 - Chloronaphthalene	ND	330	ug/kg
2 - Chlorophenol	ND	330	ug/kg
2 - Methylnaphthalene	ND	330	ug/kg
2 - Methylphenol	ND	330	ug/kg
2 - Nitrophenol	ND	330	ug/kg
2,4 - Dichlorophenol	ND	330	ug/kg
2,4 - Dimethylphenol	ND	330	ug/kg
2,4 - Dinitrophenol	ND	1600	ug/kg
2,4 - Dinitrotoluene	ND	330	ug/kg
2,4,5 - Trichlorophenol	ND	1600	ug/kg
2,4,6 - Trichlorophenol	ND	330	ug/kg
2,6 - Dinitrotoluene	ND	330	ug/kg
2 - Nitroaniline	ND	1600	ug/kg
3,3' - Dichlorobenzidine	ND	660	ug/kg
3 - Nitroaniline	ND	1600	ug/kg
4 - Bromophenyl - phenylether	ND	330	ug/kg
4 - Chloro - 3 - Methylphenol	ND	330	ug/kg
4 - Chloroaniline	ND	330	ug/kg
4 - Methylphenol	ND	330	ug/kg
4 - Nitroaniline	ND	1600	ug/kg
4 - Nitrophenol	ND	1600	ug/kg
4,6 - Dinitro - 2 - Methylphenol	ND	1600	ug/kg
4 - Chlorophenyl - phenylether	ND	330	ug/kg
Acenaphthene	ND	330	ug/kg
Acenaphthylene	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm= parts per million = ug/g= micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention: Mr. Hamid Moshtaghi
Ogiso Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Date Sampled: Oct. 27, 1995
Date Received: Oct. 27, 1995
Date Analyzed: Oct. 31, 1995

Project #:

Project Name: Cypress B Phoenix

Client ID: T.SOLVSTOC4

LAB ID: ST95-10-2755A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
Anthracene	ND	330	ug/kg
Benzo (a) Anthracene	ND	330	ug/kg
Benzo (a) Pyrene	ND	330	ug/kg
Benzo (b) Fluoranthene	ND	330	ug/kg
Benzo (g, h, i) Perylene	ND	330	ug/kg
Benzo (k) Fluoranthene	ND	330	ug/kg
Benzoic Acid	ND	1600	ug/kg
Benzyl Alcohol	ND	330	ug/kg
bis (- 2 - Chloroethoxy) Methane	ND	330	ug/kg
bis (- 2 - Chloroethyl) Ether	ND	330	ug/kg
bis (2 - chloroisopropyl) Ether	ND	330	ug/kg
bis (2 - Ethylhexyl) Phthalate	ND	330	ug/kg
Butylbenzylphthalate	ND	330	ug/kg
Chrysene	ND	330	ug/kg
Di - N - Butylphthalate	ND	330	ug/kg
Di - N - Octyl Phthalate	ND	330	ug/kg
Dibenz (a, h) Anthracene	ND	330	ug/kg
Dibenzofuran	ND	330	ug/kg
Diethylphthalate	ND	330	ug/kg
Dimethyl Phthalate	ND	330	ug/kg
Fluoranthene	ND	330	ug/kg
Fluorene	ND	330	ug/kg
Hexachlorobenzene	ND	330	ug/kg
Hexachlorobutadiene	ND	330	ug/kg
Hexachlorocyclopentadiene	ND	330	ug/kg
Hexachloroethane	ND	330	ug/kg
Indeno (1,2,3 - cd) Pyrene	ND	330	ug/kg
Isophorone	ND	330	ug/kg
N - Nitroso - Di - Propylamine	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm= parts per million = ug/g= micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

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8270 GCMS Analysis Report

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, Suite 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct. 27, 1995 Oct. 27, 1995 Oct. 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVSTOC4	LAB ID:	ST95-10-2755A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
N - Nitrosodiphenylamine	ND	330	ug/kg
Naphthalene	ND	330	ug/kg
Nitrobenzene	ND	330	ug/kg
Pentachlorophenol	ND	1600	ug/kg
Phenanthrene	ND	330	ug/kg
Phenol	ND	330	ug/kg
Pyrene	ND	330	ug/kg

Surrogate % Recovery 2 - Fluorophenol =	38%
Surrogate % Recovery Phenol - d6 =	39%
Surrogate % Recovery Nitrobenzene - d5 =	32%
Surrogate % Recovery 2 - Fluorobiphenyl =	37%
Surrogate % Recovery 2,4,6 - Tribromophenol =	67%
Surrogate % Recovery Terphenyl - d14 =	47%

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm= parts per million = ug/g= micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.
*** Unknown aliphatic hydrocarbons were found to be present**

R. L. James, Principal Chemist

Oct 31, 1995
Date Reported

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, Suite 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct. 27, 1995 Oct. 27, 1995 Oct. 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVSTOC5	LAB ID:	ST95-10-2758A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
1,2 - Dichlorobenzene	ND	330	ug/kg
1,2,4 - Trichlorobenzene	ND	330	ug/kg
1,3 - Dichlorobenzene	ND	330	ug/kg
1,4 - Dichlorobenzene	ND	330	ug/kg
2 - Chloronaphthalene	ND	330	ug/kg
2 - Chlorophenol	ND	330	ug/kg
2 - Methylnaphthalene	ND	330	ug/kg
2 - Methylphenol	ND	330	ug/kg
2 - Nitrophenol	ND	330	ug/kg
2,4 - Dichlorophenol	ND	330	ug/kg
2,4 - Dimethylphenol	ND	330	ug/kg
2,4 - Dinitrophenol	ND	1600	ug/kg
2,4 - Dinitrotoluene	ND	330	ug/kg
2,4,5 - Trichlorophenol	ND	1600	ug/kg
2,4,6 - Trichlorophenol	ND	330	ug/kg
2,6 - Dinitrotoluene	ND	330	ug/kg
2 - Nitroaniline	ND	1600	ug/kg
3,3' - Dichlorobenzidine	ND	660	ug/kg
3 - Nitroaniline	ND	1600	ug/kg
4 - Bromophenyl - phenylether	ND	330	ug/kg
4 - Chloro - 3 - Methylphenol	ND	330	ug/kg
4 - Chloroaniline	ND	330	ug/kg
4 - Methylphenol	ND	330	ug/kg
4 - Nitroaniline	ND	1600	ug/kg
4 - Nitrophenol	ND	1600	ug/kg
4,6 - Dinitro - 2 - Methylphenol	ND	1600	ug/kg
4 - Chlorophenyl - phenylether	ND	330	ug/kg
Acenaphthene	ND	330	ug/kg
Acenaphthylene	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm= parts per million = ug/g= micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

Sparger Technology, Inc.
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Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention: Mr. Hamid Moshtaghi
Ogiso Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Date Sampled: Oct. 27, 1995
Date Received: Oct. 27, 1995
Date Analyzed: Oct. 31, 1995

Project #:

Project Name: Cypress B Phoenix

Client ID: T.SOLVSTOC5

LAB ID: ST95-10-2758A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
Anthracene	ND	330	ug/kg
Benzo (a) Anthracene	ND	330	ug/kg
Benzo (a) Pyrene	ND	330	ug/kg
Benzo (b) Fluoranthene	ND	330	ug/kg
Benzo (g, h, i) Perylene	ND	330	ug/kg
Benzo (k) Fluoranthene	ND	330	ug/kg
Benzoic Acid	ND	1600	ug/kg
Benzyl Alcohol	ND	330	ug/kg
bis (- 2 - Chloroethoxy) Methane	ND	330	ug/kg
bis (- 2 - Chloroethyl) Ether	ND	330	ug/kg
bis (2 - chloroisopropyl) Ether	ND	330	ug/kg
bis (2 - Ethylhexyl) Phthalate	ND	330	ug/kg
Butylbenzylphthalate	ND	330	ug/kg
Chrysene	ND	330	ug/kg
Di - N - Butylphthalate	ND	330	ug/kg
Di - N - Octyl Phthalate	ND	330	ug/kg
Dibenz (a, h) Anthracene	ND	330	ug/kg
Dibenzofuran	ND	330	ug/kg
Diethylphthalate	ND	330	ug/kg
Dimethyl Phthalate	ND	330	ug/kg
Fluoranthene	ND	330	ug/kg
Fluorene	ND	330	ug/kg
Hexachlorobenzene	ND	330	ug/kg
Hexachlorobutadiene	ND	330	ug/kg
Hexachlorocyclopentadiene	ND	330	ug/kg
Hexachloroethane	ND	330	ug/kg
Indeno (1,2,3 - cd) Pyrene	ND	330	ug/kg
Isophorone	ND	330	ug/kg
N - Nitroso - Di - Propylamine	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm= parts per million = ug/g= micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

Sparger Technology, Inc.
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Analytical Laboratory Division
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8270 GCMS Analysis Report

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, Suite 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct. 27, 1995 Oct. 27, 1995 Oct. 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVSTOC5	LAB ID:	ST95-10-2758A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
N - Nitrosodiphenylamine	ND	330	ug/kg
Naphthalene	ND	330	ug/kg
Nitrobenzene	ND	330	ug/kg
Pentachlorophenol	ND	1600	ug/kg
Phenanthrene	ND	330	ug/kg
Phenol	ND	330	ug/kg
Pyrene	ND	330	ug/kg

Surrogate % Recovery 2 - Fluorophenol =	47%
Surrogate % Recovery Phenol - d6 =	47%
Surrogate % Recovery Nitrobenzene - d5 =	37%
Surrogate % Recovery 2 - Fluorobiphenyl =	41%
Surrogate % Recovery 2,4,6 - Tribromophenol =	62%
Surrogate % Recovery Terphenyl - d14 =	46%

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = ug/g = micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

R. L. James, Principal Chemist

Oct 31, 1995
Date Reported

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Divisi
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Scientific Division

8270 GCMS Analysis Report

Attention: Mr. Hamid Moshtaghi
Ogiso Environmental
1504 Franklin Street, Suite 304
Oakland, CA 94612

Date Sampled: Oct. 27, 1995
Date Received: Oct. 27, 1995
Date Analyzed: Oct. 31, 1995

Project #:

Project Name: Cypress B Phoenix

Client ID: T.SOLVSTOC6

LAB ID: ST95-10-2761A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
1,2 - Dichlorobenzene	ND	330	ug/kg
1,2,4 - Trichlorobenzene	ND	330	ug/kg
1,3 - Dichlorobenzene	ND	330	ug/kg
1,4 - Dichlorobenzene	ND	330	ug/kg
2 - Chloronaphthalene	ND	330	ug/kg
2 - Chlorophenol	ND	330	ug/kg
2 - Methylnaphthalene	ND	330	ug/kg
2 - Methylphenol	ND	330	ug/kg
2 - Nitrophenol	ND	330	ug/kg
2,4 - Dichlorophenol	ND	330	ug/kg
2,4 - Dimethylphenol	ND	330	ug/kg
2,4 - Dinitrophenol	ND	1600	ug/kg
2,4 - Dinitrotoluene	ND	330	ug/kg
2,4,5 - Trichlorophenol	ND	1600	ug/kg
2,4,6 - Trichlorophenol	ND	330	ug/kg
2,6 - Dinitrotoluene	ND	330	ug/kg
2 - Nitroaniline	ND	1600	ug/kg
3,3' - Dichlorobenzidine	ND	660	ug/kg
3 - Nitroaniline	ND	1600	ug/kg
4 - Bromophenyl - phenylether	ND	330	ug/kg
4 - Chloro - 3 - Methylphenol	ND	330	ug/kg
4 - Chloroaniline	ND	330	ug/kg
4 - Methylphenol	ND	330	ug/kg
4 - Nitroaniline	ND	1600	ug/kg
4 - Nitrophenol	ND	1600	ug/kg
4,6 - Dinitro - 2 - Methylphenol	ND	1600	ug/kg
4 - Chlorophenyl - phenylether	ND	330	ug/kg
Acenaphthene	ND	330	ug/kg
Acenaphthylene	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm= parts per million = ug/g= micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

Sparger Technology, Inc.
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Analytical Laboratory Division
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8270 GCMS Analysis Report

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, Suite 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct. 27, 1995 Oct. 27, 1995 Oct. 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVSTOC6	LAB ID:	ST95-10-2761A
Matrix:	Soil	Dilution: 1:	1

Name	Amount	Reporting Limit	Units
Anthracene	ND	330	ug/kg
Benzo (a) Anthracene	ND	330	ug/kg
Benzo (a) Pyrene	ND	330	ug/kg
Benzo (b) Fluoranthene	ND	330	ug/kg
Benzo (g, h, i) Perylene	ND	330	ug/kg
Benzo (k) Fluoranthene	ND	330	ug/kg
Benzoic Acid	ND	1600	ug/kg
Benzyl Alcohol	ND	330	ug/kg
bis (- 2 - Chloroethoxy) Methane	ND	330	ug/kg
bis (- 2 - Chloroethyl) Ether	ND	330	ug/kg
bis (2 - chloroisopropyl) Ether	ND	330	ug/kg
bis (2 - Ethylhexyl) Phthalate	ND	330	ug/kg
Butylbenzylphthalate	ND	330	ug/kg
Chrysene	ND	330	ug/kg
Di - N - Butylphthalate	ND	330	ug/kg
Di - N - Octyl Phthalate	ND	330	ug/kg
Dibenz (a, h) Anthracene	ND	330	ug/kg
Dibenzofuran	ND	330	ug/kg
Diethylphthalate	ND	330	ug/kg
Dimethyl Phthalate	ND	330	ug/kg
Fluoranthene	ND	330	ug/kg
Fluorene	ND	330	ug/kg
Hexachlorobenzene	ND	330	ug/kg
Hexachlorobutadiene	ND	330	ug/kg
Hexachlorocyclopentadiene	ND	330	ug/kg
Hexachloroethane	ND	330	ug/kg
Indeno (1,2,3 - cd) Pyrene	ND	330	ug/kg
Isophorone	ND	330	ug/kg
N - Nitroso - Di - Propylamine	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm= parts per million = ug/g= micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

Sparger Technology, Inc.
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Analytical Laboratory Division
Mobile Laboratory Division
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8270 GCMS Analysis Report

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, Suite 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct. 27, 1995 Oct. 27, 1995 Oct. 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVSTOC6	LAB ID:	ST95-10-2761A
Matrix:	Soil	Dilution:	1: 1

Name	Amount	Reporting Limit	Units
N - Nitrosodiphenylamine	ND	330	ug/kg
Naphthalene	ND	330	ug/kg
Nitrobenzene	ND	330	ug/kg
Pentachlorophenol	ND	1600	ug/kg
Phenanthrene	ND	330	ug/kg
Phenol	ND	330	ug/kg
Pyrene	ND	330	ug/kg

Surrogate % Recovery 2 - Fluorophenol = 45%
Surrogate % Recovery Phenol - d6 = 44%
Surrogate % Recovery Nitrobenzene - d5 = 39%
Surrogate % Recovery 2 - Fluorobiphenyl = 41%
Surrogate % Recovery 2,4,6 - Tribromophenol = 51%
Surrogate % Recovery Terphenyl - d14 = 33%

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm= parts per million = ug/g= micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

*** Unknown aliphatic hydrocarbons were found to be present**

R. L. James, Principal Chemist

Oct 31, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY (Certification No. 1614)

SPA[illegible]ER TECHNOLOGY, INC.
Analytical Laboratory
3050 Fite Circle, #112, Sacramento, CA 95827
Phone: (916) 362-8947
FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD

C.O.C. No. 10506

Page 1 of 2

STAL Invoice Number:

577

Company: OGISO
Phone: (510) 451-5771
Project Manager: Hamid Moshtaghi
FAX: (510) 451-5773
Report Address: 1504 Franklin St #300 Oakland, CA 94612
Billing Name & Address: 150 W. Iowa Av. #200 Sunnyvale, CA 94086
Project Name: Cypress B Phoenix
Project/Job#:
Project Location: Oakland
P.O.#:

ANALYSIS REQUEST

REMARKS:

Sampler's Name:

		All OK	None OK	Some OK
Cooler Temp.	°C			
Sample Condition				
pH				

WET(STLC) TCLP (Total) — Total circled

NO.	SAMPLE ID	Sampling: Date	Sampling: Time	Container: 40 mL VOA	Container: Brass Sleeve	Container: 1 L amber bottle	Container: 250 mL Plastic	Container: Other	Preservative Used: HCl/HNO3/ICE	Preservative Used: None	Preservative Used: Other	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Other	BTEX (602/8020)503.1	BTEX/TPHgas (602/8020/8015)	TPHdiesel/TPHmotor oil/kerosene(8015)	EPA 601/8010/502.2/504	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCBS)	EPA 624/(8240)/524.2	EPA 625/(8270)/525	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	RCI		CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead		Standard 5-day
1	T. SOLVSTOC1	10/27			↓								↓										✓	✓						✓				✓
2	T. SOLVSTOC2	↓			↓								↓										✓	✓						✓				↓
3	T. SOLVSTOC3	↓			↓								↓										✓	✓						✓				↓
4	T. SOLVSTOC4	↓			↓								↓										✓	✓						✓				↓
5	T. SOLVSTOC5	↓			↓								↓										✓	✓						✓				↓
6	T. SOLVSTOC6	↓			↓								↓										✓	✓						✓				↓
7	T. SUMPSTOC1	↓			↓								↓										✓	✓	✓	✓				✓				↓
8	T. SUMPSTOC2	↓			↓								↓										✓	✓	✓	✓				✓				↓
9	~~T. SUMPSTOC3~~	↓			↓								↓										✓	✓	✓	✓				✓				↓
10																																		↓

Relinquished by:	Received by:	Relinquished by:	Received by:
[signature]	[signature]		
Date: 10/27 Time: 4:10 pm	Date: 10/27/95 Time: 4:10	Date: Time:	Date: Time:

PLEASE READ REVE[illegible] SIDE FOR TERMS AND CONDITIONS

Sparger Technology, Inc.
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Analytical Laboratory Division
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Scientific Division

Metals, CAM 17
EPA Method 6010/7000 Modified

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, # 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct 27, 1995 Oct 27, 1995 Oct 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVSTOC1	LAB ID:	ST95-10-2747A
Matrix:	Soil	Dilution:	

Name	Amount	Reporting Limit	Units
Antimony (Sb)	ND	6.0	mg/Kg
Arsenic (As)	ND	10	mg/Kg
Barium (Ba)	150	10	mg/Kg
Beryllium (Be)	ND	0.50	mg/Kg
Cadmium (Cd)	0.60	0.50	mg/Kg
Chromium (Cr)	39	1.0	mg/Kg
Cobalt (Co)	6.8	5.0	mg/Kg
Copper (Cu)	50	2.5	mg/Kg
Lead (Pb)	1900	2.0	mg/Kg
Mercury (Hg)	0.13	0.010	mg/Kg
Molybdenum (Mo)	ND	4.0	mg/Kg
Nickel (Ni)	24	4.0	mg/Kg
Selenium (Se)	ND	10	mg/Kg
Silver (Ag)	ND	1.0	mg/Kg
Thallium (Tl)	ND	10	mg/Kg
Vanadium (V)	27	5.0	mg/Kg
Zinc (Zn)	220	1.5	mg/Kg

ppm= parts per million = mg/Kg = milligram per Kilogram
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit

R. L. James, Principal Chemist

Nov 1, 1995
Date

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Metals, CAM 17
EPA Method 6010/7000 Modified

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, # 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct 27, 1995 Oct 27, 1995 Oct 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVSTOC2	LAB ID:	ST95-10-2750A
Matrix:	Soil	Dilution:	

Name	Amount	Reporting Limit	Units
Antimony (Sb)	ND	6.0	mg/Kg
Arsenic (As)	ND	10	mg/Kg
Barium (Ba)	130	10	mg/Kg
Beryllium (Be)	ND	0.50	mg/Kg
Cadmium (Cd)	ND	0.50	mg/Kg
Chromium (Cr)	38	1.0	mg/Kg
Cobalt (Co)	5.9	5.0	mg/Kg
Copper (Cu)	46	2.5	mg/Kg
Lead (Pb)	1400	2.0	mg/Kg
Mercury (Hg)	0.070	0.010	mg/Kg
Molybdenum (Mo)	ND	4.0	mg/Kg
Nickel (Ni)	24	4.0	mg/Kg
Selenium (Se)	ND	10	mg/Kg
Silver (Ag)	ND	1.0	mg/Kg
Thallium (Tl)	ND	10	mg/Kg
Vanadium (V)	25	5.0	mg/Kg
Zinc (Zn)	180	1.5	mg/Kg

ppm= parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Nov 1, 1995
Date

Sparger Technology, Inc.
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Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Metals, CAM 17
EPA Method 6010/7000 Modified

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, # 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct 27, 1995 Oct 27, 1995 Oct 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVSTOC3	LAB ID:	ST95-10-2753A
Matrix:	Soil	Dilution:	

Name	Amount	Reporting Limit	Units
Antimony (Sb)	ND	6.0	mg/Kg
Arsenic (As)	ND	10	mg/Kg
Barium (Ba)	120	10	mg/Kg
Beryllium (Be)	ND	0.50	mg/Kg
Cadmium (Cd)	ND	0.50	mg/Kg
Chromium (Cr)	35	1.0	mg/Kg
Cobalt (Co)	6.3	5.0	mg/Kg
Copper (Cu)	34	2.5	mg/Kg
Lead (Pb)	550	2.0	mg/Kg
Mercury (Hg)	0.093	0.010	mg/Kg
Molybdenum (Mo)	ND	4.0	mg/Kg
Nickel (Ni)	23	4.0	mg/Kg
Selenium (Se)	ND	10	mg/Kg
Silver (Ag)	ND	1.0	mg/Kg
Thallium (Tl)	ND	10	mg/Kg
Vanadium (V)	25	5.0	mg/Kg
Zinc (Zn)	180	1.5	mg/Kg

ppm= parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Nov 1, 1995
Date

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Metals, CAM 17
EPA Method 6010/7000 Modified

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, # 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct 27, 1995 Oct 27, 1995 Oct 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVSTOC4	LAB ID:	ST95-10-2756A
Matrix:	Soil	Dilution:	

Name	Amount	Reporting Limit	Units
Antimony (Sb)	ND	6.0	mg/Kg
Arsenic (As)	ND	10	mg/Kg
Barium (Ba)	43	10	mg/Kg
Beryllium (Be)	ND	0.50	mg/Kg
Cadmium (Cd)	ND	0.50	mg/Kg
Chromium (Cr)	29	1.0	mg/Kg
Cobalt (Co)	5.4	5.0	mg/Kg
Copper (Cu)	12	2.5	mg/Kg
Lead (Pb)	52	2.0	mg/Kg
Mercury (Hg)	0.022	0.010	mg/Kg
Molybdenum (Mo)	ND	4.0	mg/Kg
Nickel (Ni)	24	4.0	mg/Kg
Selenium (Se)	ND	10	mg/Kg
Silver (Ag)	ND	1.0	mg/Kg
Thallium (Tl)	ND	10	mg/Kg
Vanadium (V)	21	5.0	mg/Kg
Zinc (Zn)	59	1.5	mg/Kg

ppm= parts per million = mg/Kg = milligram per Kilogram
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Nov 1, 1995
Date

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1814)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Metals, CAM 17
EPA Method 6010/7000 Modified

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, # 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct 27, 1995 Oct 27, 1995 Oct 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVSTOC5	LAB ID:	ST95-10-2759A
Matrix:	Soil	Dilution:	

Name	Amount	Reporting Limit	Units
Antimony (Sb)	ND	6.0	mg/Kg
Arsenic (As)	ND	10	mg/Kg
Barium (Ba)	46	10	mg/Kg
Beryllium (Be)	ND	0.50	mg/Kg
Cadmium (Cd)	ND	0.50	mg/Kg
Chromium (Cr)	35	1.0	mg/Kg
Cobalt (Co)	ND	5.0	mg/Kg
Copper (Cu)	13	2.5	mg/Kg
Lead (Pb)	8.0	2.0	mg/Kg
Mercury (Hg)	0.014	0.010	mg/Kg
Molybdenum (Mo)	ND	4.0	mg/Kg
Nickel (Ni)	20	4.0	mg/Kg
Selenium (Se)	ND	10	mg/Kg
Silver (Ag)	ND	1.0	mg/Kg
Thallium (Tl)	ND	10	mg/Kg
Vanadium (V)	23	5.0	mg/Kg
Zinc (Zn)	22	1.5	mg/Kg

ppm= parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Nov 1, 1995
Date

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

Sparger Technology, Inc.
With Automation in Mind

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Metals, CAM 17
EPA Method 6010/7000 Modified

Attention:	Mr. Hamid Moshtaghi Ogiso Environmental 1504 Franklin Street, # 304 Oakland, CA 94612	Date Sampled: Date Received: Date Analyzed:	Oct 27, 1995 Oct 27, 1995 Oct 31, 1995
Project #:		Project Name:	Cypress B Phoenix
Client ID:	T.SOLVSTOC6	LAB ID:	ST95-10-2762A
Matrix:	Soil	Dilution:	

Name	Amount	Reporting Limit	Units
Antimony (Sb)	ND	6.0	mg/Kg
Arsenic (As)	ND	10	mg/Kg
Barium (Ba)	52	10	mg/Kg
Beryllium (Be)	ND	0.50	mg/Kg
Cadmium (Cd)	ND	0.50	mg/Kg
Chromium (Cr)	44	1.0	mg/Kg
Cobalt (Co)	5.3	5.0	mg/Kg
Copper (Cu)	12	2.5	mg/Kg
Lead (Pb)	41	2.0	mg/Kg
Mercury (Hg)	17.7	0.010	mg/Kg
Molybdenum (Mo)	ND	4.0	mg/Kg
Nickel (Ni)	24	4.0	mg/Kg
Selenium (Se)	ND	10	mg/Kg
Silver (Ag)	ND	1.0	mg/Kg
Thallium (Tl)	ND	10	mg/Kg
Vanadium (V)	27	5.0	mg/Kg
Zinc (Zn)	41	1.5	mg/Kg

ppm= parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

R. L. James, Principal Chemist

Nov 1, 1995
Date

APPENDIX D:

CONTAMINATED SOIL DISPOSAL MANIFESTS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Co.
Sacramento, California

92720675

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-[illegible]

UNIFORM HAZARDOUS WASTE MANIFEST

GENERATOR

1. Generator's US EPA ID No.	CAP600929029
Manifest Document No.	20675
2. Page 1 of	1
Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address	CALIFORNIA DEPARTMENT OF TRANSPORTATION 1545 WILLOW STREET OAKLAND, CA 94607
State Manifest Document Number	92720675
4. Generator's Phone	(510) 286-1367
5. Transporter 1 Company Name	TJM C[illegible] Truck[illegible]
6. US EPA ID Number	CAD980811758H
7. Transporter 2 Company Name	
8. US EPA ID Number	
9. Designated Facility Name and Site Address	LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC. 2500 WEST LOKERN ROAD BUTTONWILLOW, CA 93206
10. US EPA ID Number	CAD980675276
Facility's Phone	(805) 762-[illegible]

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste Number
a. "RQ" HAZARDOUS WASTE SOLID, 9 (LEAD) N.O.S. (D008) NA3077, PGIII, 1 LB.	002	DT	00018	Y	State 611 EPA/Other D008
b.					
c.					
d.					

Additional Descriptions for Materials Listed Above

LEAD AND DIESEL CONTAMINATED SOIL APPROVAL #213959

Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

PLEASE WEAR PROPER SAFETY EQUIPMENT.
IN CASE OF EMERGENCY CONTACT ANDREW NORRIS (510) 286-1367
WO# 950852I

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the 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 federal, state and international laws.

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
[illegible] Lee	[signature]	11	1	91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
KEN THOMPSON	[signature]	11	7	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

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.

DTSC 8022A (7/92)
EPA 8700—22

State of California—Environmental Protection Agency

Form Approved OMB No. 2050-0039 (Expires 9-30-94)

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

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. CAT500092902	Manifest Document No. 96778	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
CALIFORNIA DEPARTMENT OF TRANSPORTATION
1545 WILLOW STREET
OAKLAND, CA 94607

4. Generator's Phone (510) 286-1367

A. State Manifest Document Number 927206

B. State Generator's ID [illegible]

5. Transporter 1 Company Name: Jim Minson Trucking

6. US EPA ID Number: CAD 980584317

C. State Transporter's ID [illegible]

D. Transporter's Phone [illegible]

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
LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
2500 WEST LOKERN ROAD
BUTTONWILLOW, CA 93206

10. US EPA ID Number: CAD980675276

G. State Facility's ID [illegible]

H. Facility's Phone (805) 762-7[illegible]

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. "RQ" HAZARDOUS WASTE SOLID, N.O.S. (D008) NA3077, PGIII, 1 LB.	001	DT	[illegible]	[illegible]	[illegible]
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above [illegible]

K. Handling Codes for Wastes Listed Above [illegible]

15. Special Handling Instructions and Additional Information
PLEASE WEAR PROPER SAFETY EQUIPMENT.
IN CASE OF EMERGENCY CONTACT ANDREW NORRIS (510) 286-1367

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
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Chuck Maxton	Chuck Maxton	[illegible]	[illegible]	95

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.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (7/92)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Con
Sacramento, California

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.
C A P 6 0 0 9 2 9 8 2 9	2 0 6 7 7		

3. Generator's Name and Mailing Address
CALIFORNIA DEPARTMENT OF TRANSPORTATION
1545 WILLOW STREET
OAKLAND, CA 94607

4. Generator's Phone (510) 286-1367

5. Transporter 1 Company Name — 6. US EPA ID Number

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

9. Designated Facility Name and Site Address — 10. US EPA ID Number
LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
2500 WEST LOKERN ROAD
BUTTONWILLOW, CA 93206 — C A D 9 8 0 6 7 5 2 7 6

(805) 762-7372

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste Numbers
a. "RQ" HAZARDOUS WASTE SOLID N.O.S. (D008) NA3077, PGIII, 1 LB.	0 0 1	D T	C C 1 1 5	Y	State 611 EPA/Other D008
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
LEAD AND DIESEL CONTAMINATED SOIL APPROVAL #214959

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
PLEASE WEAR PROPER SAFETY EQUIPMENT.
IN CASE OF EMERGENCY CONTACT ANDREW NORRIS (510) 286-1367
WO# 9508523

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws.

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Printed/Typed Name	Signature	Month	Day	Year
		1 1	1 1	9 1

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		1 1	1 7	9 1

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 CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-

92120611

DTSC 8022A (7/92)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-96)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA 6 0 0 9 9 0 2 9	Manifest Document No. 2 6 6 7 8	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
CALIFORNIA DEPARTMENT OF
TRANSPORTATION
1545 WILLOW STREET
OAKLAND, CA 94607

A. State Manifest Document Number 92720678
B. State Generator's ID H Y H Q 3 6 0 1 2 0 6 6 1

4. Generator's Phone (510) 286-1367

5. Transporter 1 Company Name: Jim Nixon Trucking
6. US EPA ID Number: CAD 9 8 0 8 5 8 4 8 1 7
C. State Transporter's ID
D. Transporter's Phone

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
LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
2500 WEST LOKERN ROAD
BUTTONWILLOW, CA 93206

10. US EPA ID Number: C A D 9 8 0 6 7 5 2 7 6
G. State Facility's ID
H. Facility's Phone (805) 762-7

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. "RQ" HAZARDOUS WASTE SOLID, N.O.S. (D008) NA3077, PGIII, T LB.	0 0 1	D T			EPA D008
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
PLEASE WEAR PROPER SAFETY EQUIPMENT.
IN CASE OF EMERGENCY CONTACT ANDREW NORRIS (510) 286-1367
WC 95-03-24

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month	Day	Year
		4	1	9

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Chuck Hinxton	Chuck Hinxton			9 5

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.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (7/92)
EPA 8700—22