STATE OF CALIFORNIA

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STD. 100 (REV. 10-91)

DATE: 9/12/95

TO: Susan Hugo

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By

ROOM/STA. NO.

FROM: Chris Wilson

PHONE NUMBER: 236-5647 ATSS ☐
ROOM/STA. NO.

SUBJECT: PEA Report for former All-Weather Door Co.

Here is your copy of the PEA I promised. Hope it helps with closing your files on the tank site.

Chris Wilson

91 62476

95-907

FINAL PRELIMINARY ENDANGERMENT ASSESSMENT VACANT BUILDING 1851 5TH STREET OAKLAND, CALIFORNIA

Prepared for:

State Department of Transportation
Environmental Engineering Branch
111 Grand Avenue, 14th Floor
Oakland, California 94623-0660

Contract Number 53U495
Task Order Number 04-192211-05

June 23, 1995

ENVIRONMENTAL SOLUTIONS, INC.

95-907

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Prepared By:

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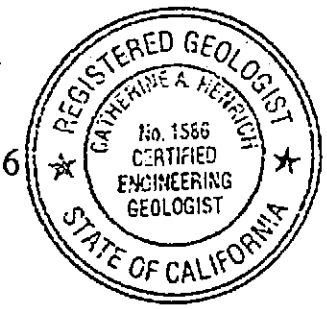

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EXECUTIVE SUMMARY

1. The California State Department of Transportation (Caltrans) purchased a parcel of land in west Oakland known as the Vacant Building site (Site), located at 1851 5th Street, in connection with the construction of the Cypress freeway realignment. Environmental Solutions, Inc. was contracted by Caltrans to perform a preliminary endangerment assessment (PEA) for the Site which included performing a soil and ground water investigation in order to collect additional soil and ground water data for the PEA.

2. Caltrans purchased the Site in 1992 and is in the process of transferring ownership of the property to the Southern Pacific Railroad (SPRR) company. Currently, the site is unoccupied and contains a vacant warehouse building, although SPRR will be renovating the building for use as office space. On the basis of a Phase I site assessment performed by Emcon Associates for Macor, Inc., the Site contained dwellings until 1951 (Emcon, 1989). From 1951 to 1975, the Site was apparently vacant property, and from 1975 to 1977, the Site was utilized by Gateway Bus Lines. From 1977 to 1989, Lance Porter owned and operated In Sol Air Glass Company, a residential window and screen company and from 1989 until 1992, the Site was owned by Macor, Inc. (Alameda County Assessor, 1994). In 1992, the Site was purchased by Caltrans.

3. During a Phase I site assessment performed by Emcon for Macor, Inc., Emcon personnel found a small discolored area on the concrete near the back of the large building. Two underground storage tanks (USTs; a 1800-gallon fuel oil UST and a 10,000-gallon gasoline UST) were removed in June 1988. Soil and ground water samples collected from the UST excavations indicated that the USTs had released petroleum hydrocarbons into the soil and ground water at the Site. Soils containing

petroleum hydrocarbons were excavated and removed from the Site. Investigation activities performed by Geo/Resources, Inc. in 1992 and Environmental Solutions, Inc. in 1995 determined that localized releases of hazardous materials/wastes have occurred at the Site. Soils at selected locations have been impacted by Total Recoverable Petroleum Hydrocarbons (TRPH) and lead. Ground water beneath the Site has been impacted by TRPH and heavy metals.

4. Renovation of this Site may only involve removal of surface or near surface soils. Ground water is not expected to be encountered during construction activities. A potential threat of exposure to the construction workers may exist during renovation of the Site. Fugitive dust inhalation and direct dermal contact are potential pathways of exposure to workers at the Site. These threats can be mitigated by the use of proper personal protective equipment (PPE), and the implementation of engineering controls (dust suppression).

5. The total excess carcinogenic risk due to exposure to Site soils is between approximately 2.3E-06 and 2.1E-05. Both the minimum value (i.e., that corresponding to the actual calculated PRG) and the maximum value (i.e., that corresponding to one-ninth of the calculated PRG) exceed the commonly acceptable threshold of 1.0E-06. The calculated total risk is dominated entirely by arsenic. The contribution due to arsenic is approximately 93.8 percent. No other constituents with carcinogenic endpoints were reported at levels exceeding their respective PRGs.

6. The total noncarcinogenic hazard, expressed in terms of the Hazard Index, due to exposure to Site soils is approximately 3.6. This value exceeds the acceptable threshold of 1.0. The calculated total Hazard Index appears to be dominated by reported concentrations of lead. The contribution of the total Hazard Index due to lead

is approximately 97.8 percent. No other constituents with noncarcinogenic endpoints were reported at levels exceeding their respective PRGs.

7. Because soil contamination appears to be limited in extent and because the Site has been covered by the building, asphalt or concrete, and in the absence of any public and/or private use of the ground water in the Site vicinity, the documented releases at the Site do not pose a significant threat, or an immediate potential hazard to public health or the environment.

8. The presence of contaminants in the soil at the Site appears to have been adequately characterized. However, the concrete maintenance trench located in the southeastern corner of the property may be the source of petroleum hydrocarbons found in the ground water in this area. Therefore, it is recommended that the trench and any petroleum hydrocarbon contaminated soil around the trench be excavated and removed from the Site. Because the Site will be covered with the building, asphalt, or concrete, the petroleum hydrocarbons and elevated lead concentrations found in some shallow soil samples in areas of the Site, other than the concrete maintenance trench area, will not pose a threat to the ground water or allow persons to come into contact with these soils. Therefore, no further action is recommended for the soils in other areas of the Site.

9. The levels of metals found in the ground water beneath the Site that exceed Maximum Contaminant Levels (MCLs) or Action Levels (ALs) for drinking water in California are probably not related to Site activities but are most likely characteristic of the shallow ground water in this area. A maintenance trench, located in the southeastern portion of the property and used for performing automotive maintenance on vehicles, was approximately 3 feet wide, 25 feet long, and 5 feet deep. It was filled in with dirt sometime before the commencement of field activities. The presence of TRPH in the

shallow ground water in the vicinity of the maintenance trench may be the result of localized spills of petroleum hydrocarbons in this area. However, the presence of TRPH in the ground water appears to be limited to the maintenance trench area and does not appear to be a threat to drinking water aquifers. Therefore, because of the limited presence of TRPH in the ground water, the recommended removal of the maintenance trench and surrounding soils as warranted, and the fact that the shallow aquifer is not considered a drinking water source for this area, no further action is recommended for the ground water at the Site.

1.0 INTRODUCTION

1. This report presents the results of a PEA performed by Environmental Solutions, Inc. at a site known as the Vacant Building (Site), located at 1851 5th Street, Oakland, California (Figure 1). The work was performed for the California Department of Transportation (Caltrans) under Task Order Number 04-192211-05 of Caltrans Contract Number 53U495.

2. Caltrans purchased the Site in 1992 in connection with the reconstruction of the Cypress freeway. Currently, the site is unoccupied and contains a vacant warehouse building. On the basis of a Phase I site assessment performed by Emcon Associates for Macor, Inc., the Site contained dwellings until 1951 (Emcon, 1989). From 1951 to 1975, the Site was apparently vacant property, and from 1975 to 1977, the Site was utilized by Gateway Bus Lines. From 1977 to 1989, Lance Porter owned and operated In Sol Air Glass Company, a residential window and screen company and from 1989 until 1992, the Site was owned by Macor, Inc. (Alameda County Assessor, 1994). In 1992, the Site was purchased by Caltrans who is in the process of transferring ownership of the property to the Southern Pacific Railroad (SPRR) company.

3. The Site is located in the vicinity of the proposed realignment of Interstate 880, referred to as the Cypress freeway. Caltrans is performing the reconstruction to replace a portion of the Cypress freeway which collapsed during the Loma Prieta earthquake in 1989. The collapsed portion of the freeway was demolished and removed in 1994. The replaced portion of the freeway will follow a different alignment than the preexisting structure. The SPRR company is planning to renovate the existing building on the Site for use as office space by their personnel.

4. The California Environmental Protection Agency (Cal-EPA) Department of Toxic Substances Control (DTSC) has required that properties located along the Cypress reconstruction, which have been purchased by Caltrans, have a PEA performed.

5. This PEA has been prepared in accordance with DTSC's *Preliminary Endangerment Assessment Guidance Manual*, dated January 1994.

1.1 PURPOSE AND SCOPE OF WORK

1. A PEA is defined in the California Health and Safety Code, Division 20, Chapter 6.8, Section 25319.5 as an activity which is performed to determine whether current or past waste management practices have resulted in the release or threatened release of hazardous substances which may pose a threat to public health or the environment.

2. Specific objectives of this PEA include:

   - Determining if a release of hazardous wastes/substances occurred at the Site, and, if a release has occurred, delineating the extent of contamination.
   - Estimating the potential threat to public health and/or the environment posed by the Site and providing an indicator of relative risks between sites.
   - Determining if an emergency response action is necessary to reduce an existing or potential threat to public health or the environment.
   - Completing preliminary site investigations to determine if additional data is required to identify remedial action strategies for the Site.
   - Assessing and providing for the informational needs of the surrounding community.

3. The scope of work for this PEA included:

   - Preparing a Workplan and Health and Safety Plan for Site specific field activities.
   - Drilling 12 soil borings to depths of between 5.5 and 9.5 feet below ground surface (ft bgs)
   - Collecting soil samples for analytical testing from each boring.
   - Collecting ground water samples for analytical testing from 9 of the 12 borings.
   - Preparing this PEA Report.

4. The analytical program for the samples collected during field activities is presented in Section 6.2 of this PEA Report.

2.0 SITE DESCRIPTION

2.1 SITE IDENTIFICATION INFORMATION

2.1.1 SITE NAME

1. Vacant Building

2.1.2 CONTACT PERSON

1. Mr. Christopher Wilson - Caltrans Contract Manager, Environmental Engineering Branch

2.1.3 SITE ADDRESS

1. 1851 5th Street
   Oakland, California
   Alameda County, 94607

2.1.4 MAILING ADDRESS

1. State Department of Transportation
   Environmental Engineering Branch
   111 Grand Avenue, 14th Floor
   Oakland, California 94623-0660

   Attention: Mr. Christopher Wilson

2.1.5 PHONE NUMBER

1. (510) 286-5647

2.1.6 OTHER SITE NAMES

1. Gateway Bus Lines - 1975

2. In Sol Air Glass Company - 1977

2.1.7 USEPA IDENTIFICATION NUMBER

1. Because the Site was never used as a waste generating/handling facility, a USEPA identification number is not available.

2.1.8 CALSITES DATABASE NUMBER

1. The CALSITES Database number for the Vacant Building Site: 01990013

2.1.9 ASSESSOR'S PARCEL NUMBER AND MAPS

1. Assessor's Parcel Number for the Vacant Building Site: 006-055-045

2. See Figure 2 for copy of County Assessor's plat map

2.1.10 TOWNSHIP, RANGE, SECTION, AND MERIDIAN

1. Latitude - 37/48/25
   Longitude - 122/18/22
   Township - T1S
   Range - R4W
   Section - 33

2.1.11 LAND USE AND ZONING

1. Current land use is designated as light industrial, zoned as M-20.

2.2 SITE MAPS

2.2.1 GENERAL LOCATION MAP

1. Refer to Figure 1.

2.2.2 DETAILED SITE DIAGRAM

1. Refer to Figure 3.

3.0 BACKGROUND

3.1 SITE STATUS/HISTORICAL SITE INFORMATION

3.1.1 BUSINESS TYPE

1. Site is currently vacant and has been owned by Caltrans since 1992

2. In Sol Air Glass Company - residential window and screen company

3. Gateway Bus Lines - vehicle parking and maintenance

3.1.2 YEARS OF OPERATION

1. Caltrans purchased the property in 1992 and the Site is currently vacant. SPRR will be renovating the Site for use as office space by their personnel.

2. In Sol Air Glass Company - 1989 to 1992

3. Gateway Bus Lines - 1975 to 1977

4. Vacant Property - 1951 to 1975

5. Residential Buildings - Prior to 1951

3.1.3 PRIOR LAND USE

1. Prior to 1866, the land was on the margin of the San Francisco bay and consisted of undeveloped wetland. Artificial fill was placed between 1866 and 1890 as part of the construction of training jetties at the Port of Oakland Naval Supply Center (personal communication, 1995).

3.1.4 FACILITY OWNERSHIP/OPERATORS

1. Present owners: California Department of Transportation
   Environmental Engineering Branch
   111 Grand Avenue, 14th Floor
   Oakland, California 94623-0660
   (510) 286-5647
   Attention: Mr. Christopher Wilson

2. Caltrans is a division of the California State government. There are currently no active operations at the Site.

3. In Sol Air Glass Company — Macor, Inc.
   1989 to 1992 — 1280 Columbus Avenue #206
   San Francisco, California 94133

4. The business owner/operator of In Sol Air Glass Company was Mr. Lance Porter. His address and phone number are not known.

5. Gateway Bus Lines — Henry and Pearl Porter
   1966 to 1989

6. It is not known who was the owner/operator of Gateway Bus Lines. The address and phone number for the Porters are not known.

7. Vacant Property — NHM Properties
   Prior to 1966

8. It is not known when NHM properties acquired the Vacant Building property.

3.1.5 PROPERTY OWNERS

1. The Site is currently owned by Caltrans. The state purchased the property in the summer of 1992 from Macor, Inc. Macor, Inc. owned the property from 1989 to 1992. From 1966 to 1989, the property was owned by Henry and Pearl Porter. Prior to 1966, the site was owned by NHM properties. It is not known when NHM purchased the Vacant Building property. Prior to 1951, this site was residential property. Phone numbers and/or mailing address for Caltrans and Macor, Inc. are presented above in Section 3.1.4. Current addresses and phone numbers for other previous owners are unavailable.

3.1.6 SURROUNDING LAND USE

1. A map showing surrounding land use is presented on Figure 4. To the north of the Site, across 5th Street, is vacant property. To the south of the Site, the SPRR yard borders the Site. East of the Site, across Cedar Street, is the U.S. Post Office parking lot and to the west of the Site, across Bay Street, are office buildings used by the SPRR company.

3.2 HAZARDOUS SUBSTANCE/WASTE MANAGEMENT INFORMATION

3.2.1 BUSINESS/MANUFACTURING ACTIVITIES

1. Site activities for Vacant Building are presented in Table 1.

3.2.2 ONSITE STORAGE, TREATMENT, AND DISPOSAL

1. Storage, Treatment, and Disposal activities for Vacant Building are presented in Table 2.

3.2.3 REGULATORY STATUS

1. The Site is listed on the Cal-Sites Database but is not listed on CERLIS, NPL, LIENS, CORTESE, CAL-SITES/AWP, BZP, HWIS, SWIS, or LUFT regulatory databases. The site ownership/title search did not show any environmental concerns. The aerial photograph review (Pacific Aerial Survey, 1944-1992) did show some surface staining near the southwestern corner of the property, near the railroad property. The Sanborn fire insurance maps did not show any environmental concerns.

3.2.4 INSPECTION RESULTS

1. No site inspections have been documented.

3.2.5 PRIOR ASSESSMENTS/REMEDIATION

1. In 1989, Emcon performed a Phase I site assessment for the Vacant Building site on behalf of Macor, Inc. (Emcon, 1989). Inspections of the buildings and site grounds by Emcon personnel found a small discolored area on the concrete near the back entrance to the large building. Emcon personnel also noted an excavated area approximately 4 to 5 feet deep at the northwest corner of the concrete maintenance trench which was located in the southeastern corner of the property. Truck maintenance activities were apparently conducted at the property and a waste oil sump or tank had recently been removed from this area. The maintenance trench was approximately 3 feet wide, 25 feet long, and 5 feet deep, and was used for performing automotive maintenance on vehicles. The trench was filled in with dirt sometime before commencement of field activities.

2. Macor, Inc. provided Emcon with analytical results from soil and groundwater samples collected at the site. The information indicated that two underground storage tanks (USTs; a 1800-gallon fuel oil UST and a 10,000-gallon gasoline UST) were removed in June 1988. Soil and grab ground water samples were collected from the tank excavations and analyzed for Total Petroleum Hydrocarbons (TPH), benzene, toluene, ethylbenzene, and xylenes (BTEX), and diesel. Analytical results indicated that the water sample collected from the excavation beneath the gasoline tank contained benzene at 6 micrograms per liter (ug/l), toluene at 10 ug/l, ethylbenzene at 4.8 ug/l, and xylenes at 17 ug/l. One soil sample collected at the bottom of the gasoline tank excavation at 9 feet contained 100 micrograms per kilogram (ug/kg) of TPH as gasoline. The remainder of the samples collected beneath this tank did not indicate the presence of detectable levels of petroleum hydrocarbons.

3. The water sample collected in the excavation beneath the fuel oil tank contained 84 milligrams per liter (mg/l) of TPH as diesel. One soil sample collected at 8 feet bgs in the tank excavation contained 111 milligrams per kilogram (mg/kg) of TPH as motor oil. In September 1988, two additional soil samples were collected in the fuel oil tank

excavation. Petroleum hydrocarbons were not detected at concentrations at or above reported detection limits. Soil samples collected from soil stockpiles from the fuel oil tank excavation indicated that the piles contained oil and grease at concentrations of 215 mg/kg and 40 mg/kg. In February 1989, a soil sample was collected in the excavation adjacent to the maintenance trench at the rear of the facility. This sample contained 12 ug/kg of methylene chloride, which Emcon concluded is probably the result of laboratory contamination.

4. On June 22, 1992 Geo/Resource Consultants (GRC) drilled two soil borings to depths of 8.5 to 15 feet below ground surface (bgs) around the former UST present at the site (GRC, 1992; Appendix A). Soil samples were collected at depths of 1, 5, and 7 feet bgs in one boring and 1 and 3 feet bgs in the other boring. One ground water sample was collected using a Hydropunch® sampling device. A monitoring well was constructed in one of the borings and, after development, was sampled. Soil and ground water samples collected during this investigation were analyzed for one or more of the following constituents: TPH as gasloline, TPH as diesel, BTEX, and Total Recoverable Petroleum Hydrocarbons (TRPH). TPH as gasoline was detected at a concentration of 10 mg/kg in one soil sample and TRPH was detected at concentrations of 7 to 11 mg/kg in 3 soil samples. No constituents were detected at concentrations at or above reported detection limits in the Hydropunch® sample or in the water sample collected from the monitoring well. Before the monitoring well could be properly abandoned, it was accidently destroyed during recent site construction activities.

4.0 APPARENT PROBLEM

4.1 DOCUMENTATION OF SPILLS OR RELEASES

1. On the basis of previous site investigations performed at the Site, it appears that the USTs once present at the Site had leaked petroleum hydrocarbons into the soil and ground water. Excavation of soils around the tanks during tank removal activities appears to have removed most of the soils containing petroleum hydrocarbons. On the basis of ground water samples collected during the site investigations, it appears that the ground water has only been mildly impacted by petroleum hydrocarbons and heavy metals.

2. According to the Phase I site assessment report prepared by Emcon, during a Site inspection by Emcon personnel, an excavation area approximately 4 to 5 feet deep at the northwest corner of the maintenance trench was observed. They concluded that a waste oil sump or tank had been removed. There is no other available documentation on this removal action.

4.2 CONTAMINANTS OF CONCERN

1. On the basis of previous site investigations, and Environmental Solutions, Inc.'s soil and ground water investigation, the contaminants of concern are:

   - TRPH
   - Heavy Metals

4.3 PRIMARY HUMAN AND ENVIRONMENTAL SOURCES OF CONCERN

1. The primary human and environmental sources of concern in the immediate vicinity of the Site are:

   - Construction workers involved in Site renovation activities.
   - Motorists utilizing the re-aligned freeway.

2. No environmental receptors were considered during the preparation of this PEA, because of the lack of any sensitive species or habitats within a one mile radius of the Site (Figure 5).

3. No other sources of concern were addressed in DTSC's Preliminary Remediation Goals (PRGs) for the Cypress freeway re-alignment project.

4.4 EXPOSURE PATHWAYS OF CONCERN

1. Soil exposure pathways of concern are as follows:
   - Direct Dermal Contact
   - Incidental Ingestion
   - Fugitive Dust Inhalation
   - Vapor Inhalation.

2. Ground water was not considered as an exposure pathway. Ground water is not expected to be encountered during construction activities associated with the renovation of the Site by SPRR. Additionally, ground water beneath the Site is not known to be utilized for human consumption, irrigation, public or private industry, or other purposes.

5.0 ENVIRONMENTAL SETTING

5.1 FACTORS RELATED TO SOIL PATHWAYS

5.1.1 TOPOGRAPHY OF THE SITE AND SURROUNDING AREAS

1. The topography of the Site and vicinity is generally flat, and slopes toward the south/southwest at a grade of approximately one percent.

5.1.2 EVIDENCE OF ENVIRONMENTAL IMPACTS

1. In 1989, Emcon performed a Phase I site assessment for the Vacant Building site on behalf of Macor, Inc. (Emcon, 1989). Inspections of the buildings and site grounds by Emcon personnel found a small discolored area on the concrete near the back entrance to the large building. Emcon personnel also noted an excavated area approximately 4 to 5 feet deep at the northwest corner of the concrete maintenance trench. Truck maintenance activities were apparently conducted at the property and a waste oil sump or tank had recently been removed from this area. According to the Phase I report, Macor, Inc. provided Emcon with information on the UST removal actions performed on the Site in 1988. During tank removal activities, it appears that the USTs had released petroleum hydrocarbons into the soil and ground water at the Site. However, during UST removal activities, soils containing petroleum hydrocarbons were excavated and removed from the Site.

2. The aerial photograph review by Environmental Solutions, Inc. did show some surface staining along the southwestern corner of the property.

5.1.3 GEOLOGY OF SITE AND VICINITY

1. On the basis of borings drilled and logged at the Site (Section 12.2) and published documents on the geology of this area (USGS, 1957; CDMG, 1966; HLA, 1988), the soil types present at the Site consist of the following:

   - Artificial fill - Dark yellowish brown gravelly sand and clay with brick and glass fragments observed from ground surface to depths ranging from 6 inches to 3 feet bgs. Based on engineering data, the maximum known thickness of this material in west Oakland is 25 feet.

   - Bay mud - Dark gray silt, clay, and sand, with shell fragments

observed at depths ranging from 3 to 5.5 feet bgs. May represent fill material dredged from bay. Based on engineering data, the known thickness of the Bay mud is from several inches to 85 feet.

- Merritt Sand - Moderate yellowish brown silty and clayey sands observed at depths ranging from 3 inches to 9.5 feet bgs. Water bearing unit. Based on engineering data, the known thickness is several inches to 65 feet.

- Temescal Formation - Gray silty clay with zones of shell and sand from 55 to 120 feet bgs. This formation acts as an aquitard between the overlying Merritt Sand and Alameda Formation. Estimated thickness of this formation is 15 to 120 feet.

- Alameda Formation - Olive gray to Moderate yellowish brown gravels, sands, silts, and clays with occasional shell and organic material from 120 to 160 feet bgs. This formation is a water bearing unit. Based on engineering data, the maximum known thickness is 1,050 feet.

- Franciscan Group - Sandstones and shale (bedrock) from 160 feet bgs. Maximum thickness is unknown.

2. The artificial fill has variable permeability due to variation in soil composition across the Site. In general, the bay mud possess a low permeability. The Merritt Sand has a high permeability and represents the first water bearing unit present in the Site vicinity (Based on engineering studies, USGS, 1957).

5.1.4 SURFACE SLOPE

1. The slope of the Site is generally flat, sloping toward the south/southwest at a grade of approximately one percent. There is no intervening terrain between the Site and the Oakland inner harbor waterway which would prohibit the movement of surface water down slope toward the harbor (USGS, 1959). Additionally, the surface waters in the Site vicinity are channelized into a storm drain system which empties into the San Francisco Bay.

5.1.5 SITE ACCESS

1. Because of site construction activities currently taking place, the fence which once surrounded the property has been torn down except along the southern edge of the Site (Figure 3).

5.1.6 MEASURES TO PREVENT CONTACT WITH HAZARDOUS SUBSTANCES/WASTES

1. Until recently, a fence with a locked gate prevented free access to the Site. The Site is currently under renovation and will be covered by the building, asphalt or concrete which will prevent contact with any potentially hazardous soils.

5.1.7 POTENTIALLY AFFECTED RECEPTORS WITHIN A ONE MILE RADIUS

1. Distance and direction of potentially affected residential areas, schools, day care centers, nursing homes, senior citizen communities, and hospitals within one mile of the site are presented in Table 3. Businesses were exempted from this study per agreement between Jim Ross (Caltrans) and Barbara Cook (DTSC).

5.2 FACTORS RELATED TO WATER PATHWAYS

5.2.1 GROUND WATER PATHWAY

5.2.1.1 Site Hydrogeology

1. Depth to ground water at the Site ranges from approximately 2 feet to 6 feet bgs. The Merritt Sand is the first encountered subsurface aquifer, and is usually unconfined. The Merritt Sand is believed to be continuous across much of west Oakland south to Alameda Island. The Merritt Sand aquifer extends to a depth of approximately 60 feet bgs, where the Temescal Formation is believed to provide a competent aquitard between it and the deeper confined aquifer present in the Alameda formation. Based on aquifer pump test data, the Merritt Sand has a hydraulic conductivity on the order of 10^{-3} to 10^{-2} centimeters per second (cm/sec) (HLA, 1988). There are no drinking water wells or production wells in the west Oakland area which utilize ground water from the Merritt Sand aquifer (CH2M Hill, 1990).

2. The next aquifer below the Merritt Sand aquifer is the Alameda Formation which ranges from 120 to 160 feet bgs. In general, this aquifer is confined, and is believed to be continuous across much of west Oakland, with a thickness of over two hundred feet. Several industrial production wells in the area are completed in this formation. Ground water from this aquifer generally meets California secondary drinking water quality standards (HLA, 1988). Based on grain size distribution within the Alameda Formation, hydraulic conductivity is estimated to be on the order of 10^{-3} to 10^{2} meters

per day (Groundwater Hydrology, 1980).

5.2.1.2 Contaminated Aquifers

1. On the basis of the soil and groundwater investigation performed by Environmental Solutions, Inc. in 1994 and 1995, the groundwater beneath the site has been impacted by TRPH and metals. It appears that the Merritt Sand aquifer has been affected by these compounds.

5.2.1.3 Water Wells Within A Three Mile Radius Of Site

1. No wells could be located in the Site vicinity which produce ground water from the Merritt Sand aquifer. There are no drinking water wells located within three miles of the Site (OnSite Technologies [OST], 1993).

2. The nearest production wells are at the Alameda Naval Air Station, located between one and two miles to the west. These production wells produce ground water from the Alameda Formation aquifer, and are used for industrial purposes only (Geo/Resource, 1992).

3. The ground water flow direction in the Merritt Sand aquifer is generally toward the west, with local variations in flow direction due to stratigraphic variations within this hydrologic unit. On the basis of a porosity of 10 percent and hydraulic gradients of 0.001 to 0.03 feet per foot, estimated average flow velocities are on the order of 0.01 to 5 feet/day (OST, 1993).

4. There are no public drinking water service connections to ground water from either the Merritt Sand or Alameda Formation aquifers (OST, 1993).

5.2.2 SURFACE WATER PATHWAY

5.2.2.1 Contamination Migration Routes Due to Flooding

1. Most of the Site was covered by buildings, asphalt or concrete and will be mostly covered with asphalt and/or concrete after site renovation activities are completed. Asphalt and concrete act as a deterrent to surface water infiltration, thereby retarding movement of subsurface contaminants from the Site to nearby surface waters,

marshlands, wetlands, or wildlife habitats due to surface water runoff or flooding.

5.2.2.2 Location and Use of Nearby Surface Waters and Wildlife Habitats

1. Figure 5 presents the locations of nearby surface waters, and the location of sensitive species. The Oakland inner harbor waters are within approximately one mile of the Site. There are no sensitive species within a one mile radius of the Site. Several sensitive species and habitats are present within five miles of the Site, however, none of these species or habitats are expected to be impacted by current or future activities at the Site (CDFG, 1994).

5.2.2.3 Site Surface Water Runoff Prevention Measures

1. There are storm drain grates located on 5th Street, towards the northwestern corner of the Site and on Cedar Street near the southeastern corner of the Site (Figure 6). Currently, there are no measures at the Site to prevent surface water runoff.

5.2.2.4 Population Served by Surface Water Intake

1. There are no surface water intakes within three miles of the Site which are utilized by human populations as a drinking water source (OST, 1993).

5.2.2.5 Surface Slope

1. There is an approximate one percent surface slope between the Site and the Oakland inner harbor waters, located approximately one mile south of the Site.

5.3 FACTORS RELATED TO AIR PATHWAYS

1. Environmental Solutions, Inc. did not encounter sampling data which documents known releases of hazardous substances/wastes to the atmosphere at the Site.

2. Because the site is currently vacant, there is little to no threat of a potential release to the atmosphere due to fire or explosion at the Site.

3. Potential atmospheric releases related to future construction activities at the Site are addressed in Chapter 7.0, Human Health Screening Evaluation.

6.0 SAMPLING ACTIVITIES AND RESULTS FROM PEA INVESTIGATION

6.1 SUMMARY OF ACTIVITIES PERFORMED BY ENVIRONMENTAL SOLUTIONS, INC.

1. This section presents a description of the sampling activities performed by Environmental Solutions, Inc. in April and May 1995. Sampling activities included soil and ground water sampling at 12 selected locations at the Site.

2. Twelve borings (B-1 through B-12) were drilled at the Site on April 22 and May 4, 1995 (Figure 7). The drilling was performed by West Hazmat Drilling Corporation, of Newark, California, under the direction of an Environmental Solutions, Inc., geologist. The borings were drilled using a truck-mounted hollow stem auger rig equipped with 8-inch diameter hollow stem augers. Soil samples were collected from each boring for chemical testing at depths of approximately 1 foot and 4 feet bgs. An 8-foot sample was collected in borings B-1 through B-6 and B-10 through B-12. Soil samples were collected using an 18-inch long split spoon sampler lined with 6-inch long stainless steel tubes. After collection, the ends of the tubes were capped with non-adhesive teflon tape, followed by a plastic cap. Soil samples were identified by the boring number followed by the sample depth (i.e., B1-4).

3. The soil samples were lithologically classified using the Unified Soil Classification System (USCS) and Munsell color standards. An organic vapor meter (OVM) was used to take readings on selected soil samples, and from the borehole to monitor conditions during drilling (OVM readings are included on the boring logs presented in Section 12.2). The containers were labeled and placed in a cooler with blue ice, and transported under Chain-of-Custody documentation to Chromalab, Inc. (Chromalab), a state-certified hazardous materials testing laboratory located in San Ramon, California. The borings were grouted to the surface upon completion. The grout consisted of

portland cement with up to 5 percent bentonite added.

4. Because the Hydropunch® sampling device would not operate under the field conditions present at the Site, ground water samples were collected from the borings by placing disposable PVC casing down the borehole and using a disposable bailer to retrieve the water sample. Upon retrieval, the ground water samples were released into laboratory-supplied, sterile sample containers. The samples were identified by the boring number followed by a "W" to designate a water sample (i.e., B5-W). The sample containers were labeled, placed in a cooler with blue ice, and transported under Chain-of-Custody documentation to Chromalab.

5. All drilling and sampling tools were decontaminated by either a high-pressure hot water wash, or alconox wash with deionized water rinse, before and between each use. Decontamination water was drummed and stored onsite in labeled Department of Transportation (DOT) 55-gallon drums. The soil cuttings were placed in labeled 5-gallon pails or in DOT 55-gallon drums, and stored onsite pending disposal.

6.2 ANALYTICAL PROGRAM

6.2.1 SOIL SAMPLES

1. The soil samples collected from the site were analyzed for some or all of the following constituents:

- TPH as Diesel by EPA Test Method 8015 modified for diesel
- TPH as Gasoline by EPA Test Method 8015 modified for gasoline
- TRPH by EPA Test Method 418.1
- Heavy Metal Scan by EPA Test Method 6010
- Hexavalent Chromium by EPA Test Method 7196
- PCBs and Pesticides by EPA Test Method 8080
- Semivolatile Organic Compounds (SVOCs) by EPA Test Method 8270
- Volatile Organic Compounds (VOCs) by EPA Test Method 8240

2. Because of a one-time miscommunication between Environmental Solutions, Inc. and the analytical laboratory, soil samples collected from Boring B11 exceeded recommended holding times, and hence, were not analyzed for TPH as gasoline.

6.2.2 GROUND WATER SAMPLES

1. The ground water samples collected from the site were analyzed for some or all of the following constituents:
   - TPH as Diesel by EPA Test Method 8015 modified for diesel
   - TPH as Gasoline by EPA Test Method 8015 modified for gasoline
   - TRPH by EPA Test Method 418.1
   - Heavy Metal Scan by EPA Test Method 6010
   - PCBs and Pesticides by EPA Test Method 8080
   - SVOCs by EPA Test Method 8270
   - VOCs by EPA Test Method 8240

2. Because of poor sample recovery, ground water samples could not be collected from borings B6, B7, and B9. The water sample collected from Boring B8 could not be analyzed for semivolatile organic compounds and TPH as gasoline and diesel because not enough water could be collected from this boring.

6.3 PRESENTATION OF DATA

1. Analytical data for the soil samples collected from the Site are presented in Table 4 and Figure 8. Analytical data for the ground water samples collected from the Site are presented in Table 4, and Figure 9.

2. Laboratory data sheets and Quality Assurance/Quality Control (QA/QC) analysis performed by Chromalab are provided in Section 12.1 of this PEA.

6.4 DISCUSSION OF RESULTS

6.4.1 SOIL SAMPLES

1. On the basis of laboratory analysis of soil samples collected from borings B-1 through B-12 during the soil and ground water investigation performed by Environmental

Solutions, Inc., the soils in this area have been impacted by petroleum hydrocarbons and lead. The results are discussed below.

2. TRPH was detected at concentrations of 10, 1700, and 39 mg/kg in soil samples collected from borings B-3, B-9 and B-11, respectively.

3. Lead concentrations exceeding 50 mg/kg, (exceeds ten times the STLC value for lead of 5 mg/l), were detected in soil samples B8-1, B9-1, and B11-1. Soil Sample B11-1 showed lead at a concentration of 1200 mg/kg which exceeds the Total Threshold Limit Concentration (TTLC) value of 1000 mg/kg for lead. Because these soil samples contain lead values exceeding 50 mg/kg, a Waste Extraction Test (WET) for soluble lead was performed. The WET results showed a concentration of soluble lead above the Soluble Threshold Limit Concentration (STLC) of 5 mg/l in each of these soil samples. Soils with concentrations of soluble lead above the STLC or with total lead values exceeding the TTLC value are classified as hazardous waste under Title 22 of the State of California Code of Regulations (CCR).

6.4.2 GROUND WATER SAMPLES

1. Ground water beneath the Site has been impacted by TRPH and heavy metals. The analytical results are presented on Table 4 and presented on Figure 9. A summary of the analytical results is presented below.

2. TRPH was detected in the groundwater samples collected from borings B-11 and B-12 at concentrations of 35 and 450 mg/l.

3. There are levels of metals in the groundwater collected from borings B-4, B-11, and B-12 that, in general, slightly exceed Maximum Contaminant Levels (MCLs) or Action Levels (ALs) for drinking water in California. (DTSC, 1994a).

7.0 HUMAN HEALTH SCREENING EVALUATION

7.1 INTRODUCTION

1. A health-conservative preliminary evaluation of hypothetical health risks and hazards potentially posed by exposure to constituents of concern (COCs) in soils at the Site is discussed in the following sections. The evaluation is based on analytical data accumulated during recent soil sampling activities at the Site and summarized in Table 4, and in Figures 8 and 9, as well as an assessment of the physical setting of the Site, land use considerations and various conservative assumptions regarding fate and transport of COCs. The Screening Evaluation closely follows guidance provided by the DTSC in the PEA Guidance Manual (DTSC, 1994b).

2. This quantitative evaluation also incorporates Preliminary Remediation Goals (PRGs) developed by the DTSC specifically for estimating potential health risks/hazards at sites along the Cypress Realignment Project area. The PRGs and associated guidance were detailed in an intradepartmental memorandum from the Office of Scientific Affairs (OSA) to Ms. Barbara Cook, Chief of the Site Mitigation Branch, Region 2, dated July 22, 1993 (Memorandum). A copy of this Memorandum, which includes a list of the PRGs recommended by DTSC, is provided in Appendix A.

3. PRGs for some constituents were recently revised by DTSC and reported in an intradepartmental memorandum form the OSA, dated May 5, 1995. The revised PRGs for seven polycyclic aromatic hydrocarbons (PAHs) have therefore been incorporated into this screening evaluation.

4. As indicated in the Memorandum, the development of PRGs by the DTSC was based on a number of conservative assumptions regarding exposure pathways through which human receptors could potentially be exposed to COCs in soils at the Site. These pathways were limited to those judged to be presently complete and therefore, did not include potential pathways involving ground or surface waters.

5. The Human Health Screening Evaluation is presented in the following sections of this PEA:

- Section 7.2: Characterization of Exposure Setting and Potential Exposure Pathways
- Section 7.3: Identification of Constituents of Concern
- Section 7.4: Quantification of Potential Health Risks
- Section 7.5: Summary of Findings and Evaluation of Results

7.2 CHARACTERIZATION OF EXPOSURE SETTING AND POTENTIAL EXPOSURE PATHWAYS

7.2.1 EXPOSURE SETTING

1. As discussed previously, the Site is situated in a mixed industrial and residential part of west Oakland, approximately 1 mile north of the Inner Harbor of the Oakland Estuary (Figure 1). Much of the area between the Site and the Inner Harbor is used for the transfer, storage and servicing of shipping containers and associated operations (rail, marine and trucking) by various shipping and rail companies (e.g., Southern Pacific and Union Pacific Railroads).

2. Currently, the Site is unused and vacant, although renovation of the property by SPRR has been started. Numerous residential dwellings are situated throughout the area; the density of residential usage increases to the north and east and decreases to the south and west (Figure 10).

3. The Site area is relatively flat, sloping gently toward the south/southwest (i.e., in the same general direction as the regional ground water flow direction). On the basis of data provided by the United States Department of Commerce, National Oceanic and Atmospheric Administration for the Oakland Airport, the climate in this area is similar to that of the surrounding region and is characterized as having a mild two-season climate with cool wet winters and warm dry summers moderated by marine air and fog. Mean annual precipitation in the Site vicinity is estimated to be approximately 18 inches.

4. Average winds are generally from the west at speeds of approximately 6 to 10 miles per hour. Consistent with the generally urban industrial nature of the area, vegetation around the Site is very sparse, consisting primarily of native grasses and weeds in unpaved areas.

7.2.2 POTENTIAL EXPOSURE PATHWAYS

1. For the purposes of this screening level evaluation, potential exposure pathways of focus were limited to those involving soils since these were considered to be complete. Potential pathways associated with exposure to ground or surface waters or those related to uptake through the food chain were not considered to be complete and were thus not considered (DTSC, 1983; 1994b). The soil exposure pathways considered in the Human Health Screening Evaluation (i.e., those pathways quantified by the DTSC in the development of PRGs for the Cypress sites) include:

   - Incidental Ingestion of Chemicals in Soil
   - Direct Dermal Contact with Chemicals in Soil
   - Inhalation of Chemicals in Fugitive Dust
   - Inhalation of Chemicals in Vapors (i.e., from VOC and SVOCs).

2. The calculation of PRGs by DTSC and the consideration of potential human health risks presented in this Screening Evaluation primarily involved exposure scenarios for construction workers employed in Site reconstruction activities. Although the Site will be used by SPRR personnel, they will not be exposed to Site soils or ground water. Therefore, it is more conservative to use a construction worker scenario in calculating potential human health risk factors than SPRR personnel working in the building located on the Site. Regulatory guidance for conducting the Human Health Screening Evaluation (DTSC, 1994b) generally requires that a residential setting be assumed; however, since both daily and lifetime calculated exposures for construction workers would be significantly greater than those for motorists and nearby residents, the exposure scenarios presented by the DTSC are considered to be conservatively protective of potential residential receptors and motorists.

7.3 IDENTIFICATION OF CONSTITUENTS OF CONCERN

1. COCs for soils at the Site have been identified as part of the scope of this Screening Evaluation. A listing of these COCs is included in Table 5. The COCs were identified based on the following two key conditions:

   - PRGs were calculated and provided by DTSC (i.e., in the July 22, 1993 and May 5, 1995 memoranda), and
   - Detectable concentrations were reported by the laboratory in at least one of the soil samples collected at the Site.

2. Constituents for which PRGs were calculated by DTSC were initially included as potential COCs for the Site. However, to be consistent with applicable regulatory guidance (EPA, 1989a; 1989b; DTSC, 1994b), and to facilitate appropriate calculations of potential health risks, constituents which were not detected in at least one of the soil samples collected at the Site were excluded from further consideration as COCs for the purposes of this Screening Evaluation. The latter condition was applicable to a significant number of constituents for which PRGs were provided but no detectable levels were reported by the laboratory. Although not currently included in the list of COCs provided in Table 5, these constituents can be added to the list of COCs if detectable levels are reported in the course of future investigations at the Site. These constituents are indicated in Appendix A

   (Table A.1) and include the following:

   - Antimony
   - Beryllium
   - Chromium VI
   - Molybdenum
   - Selenium
   - Silver
   - Thallium
   - Zinc
   - Benzene
   - Chlorobenzene
   - Chloroform
   - 1,2-Dichlorobenzene
   - 1,4-Dichlorobenzene
   - 1,1-Dichloroethane
   - Ethylbenzene

- Toluene
- Xylenes
- Naphthalene
- Styrene
- 1,2-Dichloroethane
- 1,1-Dichloroethene
- 1,1,2,2-Tetrachloroethane
- Tetrachloroethylene
- Trichloroethylene
- 1,1,1-Trichloroethane
- 1,1,2-Trichloroethane
- Vinyl chloride
- Bis(2-ethylhexyl)phthalate
- Methyl iso butyl ketone
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- Benzo(a)pyrene
- Chrysene
- Dibenzo(a,h)anthracene
- Fluoranthene
- Indeno(1,2,3)pyrene
- Pyrene
- Polychlorinated biphenyls (PCBs)

3. In addition, no potential health risks were calculated for four of the constituents for which PRGs were provided, since these were not included in the scope of laboratory analyses. The following four constituents are included in Appendix A (Table A.1):

   - Triethylamine
   - 1,2-Dibromo-3-chloropropane
   - n-Hexane
   - Dioxin/furans (i.e., 2,3,7,8-TCDD).

4. These constituents are not included in the list of COCs provided in Table 5, however, they can be added if detectable levels are reported in the course of future investigations at the Site.

7.4 QUANTIFICATION OF POTENTIAL HEALTH RISKS

7.4.1 BACKGROUND

1. Potential health risks associated with exposure to each of the COCs identified above were calculated based on the PRGs provided by DTSC (Appendix A). The procedure for calculating the PRGs is described in the attached DTSC Memorandum and summarized herein. As indicated in this Memorandum, the calculation of PRGs incorporated exposures via each of the four soil exposure pathways described above (Section 7.1.2) for a construction (i.e., worker) scenario. The sum of chronic daily intakes from the four pathways for each constituent was then compared with the appropriate toxicity criteria (listed in Appendix B of DTSC Memorandum) to calculate PRGs applicable to each particular constituent.

2. The PRGs included in Table A.1 include thresholds based on both carcinogenic and noncarcinogenic effects (i.e., "endpoints"), as applicable. For those constituents with carcinogenic endpoints, the calculation of PRGs incorporated an acceptable excess cancer risk of 1E-06. For those constituents with noncarcinogenic endpoints, the calculation of PRGs incorporated an acceptable Hazard Index of one or unity. For some constituents the calculated noncarcinogenic PRGs exceeded saturation concentrations, in which case the recommended PRGs were arbitrarily defined as the saturation concentrations.

7.4.2 CALCULATION OF HEALTH RISKS BASED ON PRGS

1. Since the PRGs calculated by DTSC incorporated a quantification of exposures by each of the four pathways described above, as well as appropriate toxicity criteria for each of the applicable constituents, the calculation of potential health risks for this Screening Evaluation involved a relatively simple quantitative comparison of exposure point concentrations with applicable PRGs. This procedure is summarized as follows for both carcinogenic risk and noncarcinogenic hazard:

- Excess Carcinogenic Risk: For those COCs where PRGs were defined based on carcinogenic endpoints, the maximum reported COC concentration was divided by the applicable PRG and the quotient multiplied by the acceptable risk threshold of 1E-06.

- Noncarcinogenic Hazard Index: For those COCs where PRGs were defined based on noncarcinogenic endpoints, maximum reported COC concentrations were divided by the applicable PRG (i.e., the lesser of the saturation concentration or the PRG based on chronic exposure) and the quotient multiplied by the acceptable Hazard Index of one (unity).

7.5 SUMMARY OF FINDINGS AND EVALUATION OF RESULTS

1. Potential health risks associated with exposure to each of the COCs identified above (i.e., excess cancer risk and Hazard Index) are summarized in Table 5, in conjunction with the exposure point concentrations and applicable PRGs. As detailed in the preceding sections of this Screening Evaluation chapter, the potential health risks associated with exposure to soils at the Site are based on a number of conservative assumptions incorporated by the OSA in the calculation of PRGs according to the recommended methodology (DTSC, 1994b). These assumptions are discussed in the DTSC Memorandum included in Appendix A. Also included in Appendix A is a summary spreadsheet detailing the calculation of potential health risks (Table A.1).

7.5.1 EXCESS CARCINOGENIC RISK

1. The calculated excess carcinogenic risk potentially posed by exposure to Site soils is expressed over a nine-fold range of values corresponding to the minimum and maximum PRG values provided by DTSC. As discussed in the Memorandum, the calculated PRGs for constituents with cancer endpoints are divided by 9 "to account for the possibility that the cancer risk from one year of exposure may be up to nine times greater than the average yearly risk from a 70-year exposure."

2. As indicated in Table 5, the total excess carcinogenic risk due to exposure to Site

soils is between approximately 2.3E-06 and 2.1E-05. Both the minimum value (i.e., that corresponding to the actual calculated PRG) and the maximum value (i.e., that corresponding to one-ninth of the calculated PRG) exceed the commonly acceptable threshold of 1.0E-06. The calculated total risk is dominated entirely by arsenic. The contribution due to arsenic is approximately 93.8 percent. No other constituents with carcinogenic endpoints were reported at levels exceeding their respective PRGs.

3. The excess carcinogenic risk attributed to potential exposure to arsenic in Site soils ranges from approximately 2.2E-06 to 2.0E-5, however the upper end of the range is associated with the requirement to assess the potential health risk over a nine-fold range. The low end of the range is associated with the established PRG of 4.6 mg/kg.

4. Each of the 14 soil samples collected and analyzed for arsenic were reported to contain detectable levels. The maximum reported concentration of 10 mg/kg was conservatively assumed as the exposure point concentration in calculating potential excess cancer risk. The mean concentration of those detected was approximately 5.2 mg/kg, which exceeds the (maximum) PRG of 4.6 mg/kg. Half of the soil samples collected (i.e., 7) were reported to contain levels of arsenic in excess of the PRG concentration; due to the relatively low concentration resulting from dividing the PRG by nine (i.e., 0.51 mg/kg), each of the 14 soil samples collected and analyzed for arsenic had levels in excess of the minimum PRG.

5. The highest levels of arsenic were reported in soil samples collected from Boring B11 in the vicinity of the former maintenance trench near the southeastern corner of the Site. For example, each of the three samples collected form this boring had concentrations in excess of the PRG.

7.5.2 NONCARCINOGENIC HAZARD

1. As indicated in Table 5, the total noncarcinogenic hazard, expressed in terms of the Hazard Index, due to exposure to Site soils is approximately 3.6. This value exceeds the acceptable threshold of 1.0. The calculated total Hazard Index appears to be dominated by reported concentrations of lead. The contribution of the total Hazard Index due to lead is approximately 97.8 percent. No other constituents with noncarcinogenic endpoints were reported at levels exceeding their respective PRGs.

2. Lead was detected in each of the 33 soil samples collected from 12 borings and analyzed for lead by EPA Method 6010. With the exception of three samples, the concentrations were well below the PRG of 340 mg/kg; the three samples with elevated levels of lead were reported in near surface samples collected from boring B8 (740 mg/kg), B9 (550 mg/kg), and B11 (1200 mg/kg). These three borings were advanced along the southern perimeter of the Site. The highest reported concentration of lead, 1200 mg/kg, was conservatively assumed as the constituent concentration in the risk calculation and was associated with a sample collected in the are of the former maintenance trench near the southeastern corner of the Site.

8.0 ECOLOGICAL SCREENING EVALUATION

1. An ecological screening evaluation was not performed for the Vacant Building Site. There are no sensitive wildlife habitats, or threatened biological species, within one mile of the Site which could be impacted by activities at the Site. There are several threatened species within five miles of the Site (CDFG, 1994). Locations of these species are shown on Figure 5.

9.0 COMMUNITY PROFILE

1. A community profile for the Vacant Building Site was not prepared as part of this PEA. Caltrans has addressed community concerns as a whole, as related to the overall project for the Cypress structure realignment and reconstruction. For information on the neighboring communities, see the *Public Participation Plan for the Environmental Investigation and Cleanup Activities in the I-880 Cypress Replacement Project Area Oakland, California*, prepared by Caltrans on October 4, 1994.

10.0 CONCLUSIONS AND RECOMMENDATIONS

10.1 SUMMARY AND CONCLUSIONS

1. Past handling practices of hazardous substances/wastes at the Site has resulted in releases to the environment. Soils at the Site have been impacted by petroleum hydrocarbons and lead. Ground water underneath the Site has been impacted by petroleum hydrocarbons and heavy metals. There are levels of metals in the ground water beneath the Site that, in general, slightly exceed California MCLs or ALs for drinking water.

2. Because soil contamination appears to be limited in extent and because the Site has been covered by the building, asphalt or concrete, and the absence of any public and/or private use of the ground water in the Site vicinity, the documented releases at the Site do not pose a significant threat, or an immediate potential hazard to public health or the environment. The Site is scheduled to be paved with asphalt and/or concrete during construction activities associated with the renovation of the building and surrounding area of the property. This precludes the need for implementation of an expedited response action.

10.2 RECOMMENDATIONS FOR FURTHER ACTION

1. The presence of contaminants in the soil at the Site appears to have been adequately characterized. However, the source of the petroleum hydrocarbons found in the ground water samples collected from borings B11 and B12 may be the concrete maintenance trench located in the southeastern corner of the property. Therefore, Environmental Solutions, Inc. recommends that the trench and any petroleum hydrocarbon contaminated soil around the trench be excavated and removed from the Site. Because the Site will be covered with the building, asphalt, or concrete, the petroleum hydrocarbons and elevated lead concentrations found in some shallow soil

samples in areas of the Site, other than the concrete maintenance trench area, will not pose a threat to the ground water or allow persons to come into contact with these soils. Therefore, no further action is recommended for the soils in other areas of the Site.

2. The levels of metals found in the ground water beneath the Site that exceed MCLs or ALs for drinking water in California are probably not related to Site activities but are most likely characteristic of the shallow ground water in this area. The presence of TRPH in the shallow ground water in the vicinity of the maintenance trench may be the result of localized spills of petroleum hydrocarbons in this area. However, the presence of TRPH in the ground water appears to be limited to the maintenance trench area and does not appear to be a threat to drinking water aquifers. Therefore, because of the limited presence of TRPH in the ground water, the recommended removal of the maintenance trench and surrounding soil as warranted, and the fact that the shallow aquifer is not considered a drinking water source for this area, no further action is recommended for the ground water at the Site.

3. Environmental Solutions, Inc. recommends that the monitoring well installed by Emcon and destroyed during recent Site construction activities be located and properly abandoned according to Alameda County Environmental Health Department's guidelines.

10.3 PRELIMINARY SCOPING RECOMMENDATIONS

1. As discussed above in Section 10.2, it appears that the Soil contamination at the Site has been adequately characterized. However, because the concrete maintenance trench may be the source of petroleum hydrocarbons found in the ground water in this area, it is recommended that the trench and any petroleum hydrocarbon contaminated soil around the trench be excavated and removed from the Site. The excavated soil will be

transported to an appropriate waste disposal facility. The removal of the concrete maintenance trench and soil excavation will be performed under the provision of the Remedial Action Plan which, according to DTSC, will be approved in the near future.

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12.0 SUPPORTING DOCUMENTATION

12.1 LABORATORY DATA

12.2 BORING LOGS

12.1 LABORATORY DATA

CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B1-W**
Spl#: 86129 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6453 *Analyzed:* May 3, 1995
Method: EPA 3010A M/6010

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
CADMIUM	N.D.	0.005	N.D.	102
CHROMIUM	N.D.	0.01	N.D.	105
COPPER	N.D.	0.01	N.D.	102
LEAD	N.D.	0.01	N.D.	100
NICKEL	N.D.	0.01	N.D.	103
ZINC	N.D.	0.01	N.D.	103

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Chemist

John S. Labash
Inorganic Supervisor

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B2-W**
Spl#: 86127 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6453 *Analyzed:* May 3, 1995
Method: EPA 3010A M/6010

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
CADMIUM	N.D.	0.005	N.D.	102
CHROMIUM	N.D.	0.01	N.D.	105
COPPER	N.D.	0.01	N.D.	102
LEAD	N.D.	0.01	N.D.	100
NICKEL	N.D.	0.01	N.D.	103
ZINC	0.01	0.01	N.D.	103

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B3-W**
Spl#: 86128 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6453 *Analyzed:* May 3, 1995
Method: EPA 3010A M/6010

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
CADMIUM	N.D.	0.005	N.D.	102
CHROMIUM	N.D.	0.01	N.D.	105
COPPER	0.02	0.01	N.D.	102
LEAD	N.D.	0.01	N.D.	100
NICKEL	0.01	0.01	N.D.	103
ZINC	0.02	0.01	N.D.	103

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B4-W**
Spl#: 86126 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6453 *Analyzed:* May 3, 1995
Method: EPA 3010A M/6010

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
CADMIUM	0.011	0.005	N.D.	102
CHROMIUM	N.D.	0.01	N.D.	105
COPPER	N.D.	0.01	N.D.	102
LEAD	0.03	0.01	N.D.	100
NICKEL	0.02	0.01	N.D.	103
ZINC	0.01	0.01	N.D.	103

Doina Danet
Chemist

John S. Labash
Inorganic Supervisor

QC DOINA 05/03

1220 Quarry Lane • Pleasanton, California 94566-4756
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Federal ID #68-0140157

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B5-W**
Spl#: 86125 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6453 *Analyzed:* May 3, 1995
Method: EPA 3010A M/6010

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
CADMIUM	N.D.	0.005	N.D.	102
CHROMIUM	N.D.	0.01	N.D.	105
COPPER	N.D.	0.01	N.D.	102
LEAD	N.D.	0.01	N.D.	100
NICKEL	N.D.	0.01	N.D.	103
ZINC	N.D.	0.01	N.D.	103

Doina Danet
Chemist

John S. Labash
Inorganic Supervisor

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B8-W**
Spl#: 86271 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6453 *Analyzed:* May 3, 1995
Method: EPA 3010A M/6010

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
CADMIUM	N.D.	0.005	N.D.	102
CHROMIUM	0.01	0.01	N.D.	105
COPPER	N.D.	0.01	N.D.	102
LEAD	N.D.	0.01	N.D.	100
NICKEL	N.D.	0.01	N.D.	103
ZINC	0.04	0.01	N.D.	103

Doina Danet
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Federal ID #68-0140157

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B10-W**
Spl#: 86130 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6453 *Analyzed:* May 3, 1995
Method: EPA 3010A M/6010

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
CADMIUM	N.D.	0.005	N.D.	102
CHROMIUM	0.06	0.01	N.D.	105
COPPER	0.14	0.01	N.D.	102
LEAD	0.30	0.01	N.D.	100
NICKEL	0.15	0.01	N.D.	103
ZINC	0.37	0.01	N.D.	103

Doina Danet
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CHROMALAB, INC.
Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B1-W**
Spl#: 86129 *Matrix:* WATER
Sampled: April 22, 1995 *Run#:* 6464 *Analyzed:* May 1, 1995
Method: EPA 8240/8260

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
ACETONE	N.D.	4.0	N.D.	--
BENZENE	N.D.	2.0	N.D.	123
BROMODICHLOROMETHANE	N.D.	2.0	N.D.	--
BROMOFORM	N.D.	2.0	N.D.	--
BROMOMETHANE	N.D.	2.0	N.D.	--
METHYL ETHYL KETONE	N.D.	2.0	N.D.	--
CARBON TETRACHLORIDE	N.D.	2.0	N.D.	--
CHLOROBENZENE	N.D.	2.0	N.D.	106
CHLOROETHANE	N.D.	2.0	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	2.0	N.D.	--
CHLOROFORM	N.D.	2.0	N.D.	--
CHLOROMETHANE	N.D.	2.0	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	2.0	N.D.	--
1,1-DICHLOROETHANE	N.D.	2.0	N.D.	--
1,2-DICHLOROETHANE	N.D.	2.0	N.D.	--
1,1-DICHLOROETHENE	N.D.	2.0	N.D.	121
CIS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	--
1,2-DICHLOROPROPANE	N.D.	2.0	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	--
ETHYLBENZENE	N.D.	2.0	N.D.	--
2-HEXANONE	N.D.	2.0	N.D.	--
METHYLENE CHLORIDE	N.D.	2.0	N.D.	--
METHYL ISOBUTYL KETONE	N.D.	2.0	N.D.	--
STYRENE	N.D.	2.0	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	2.0	N.D.	--
TETRACHLOROETHENE	N.D.	2.0	N.D.	--
TOLUENE	N.D.	2.0	N.D.	106
1,1,1-TRICHLOROETHANE	N.D.	2.0	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	2.0	N.D.	--
TRICHLOROETHENE	N.D.	2.0	N.D.	105
TRICHLOROFLUOROMETHANE	N.D.	2.0	N.D.	--
VINYL ACETATE	N.D.	2.0	N.D.	--
VINYL CHLORIDE	N.D.	2.0	N.D.	--
TOTAL XYLENES	N.D.	2.0	N.D.	--

Aaron McMichael
Chemist

Ali Kharrazi
Organic Manager

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CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B2-W**
Spl#: 86127 *Matrix:* WATER
Sampled: April 22, 1995 *Run#:* 6429 *Analyzed:* April 27, 1995
Method: EPA 8240/8260

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
ACETONE	N.D.	4.0	N.D.	--
BENZENE	N.D.	2.0	N.D.	125
BROMODICHLOROMETHANE	N.D.	2.0	N.D.	--
BROMOFORM	N.D.	2.0	N.D.	--
BROMOMETHANE	N.D.	2.0	N.D.	--
METHYL ETHYL KETONE	N.D.	2.0	N.D.	--
CARBON TETRACHLORIDE	N.D.	2.0	N.D.	--
CHLOROBENZENE	N.D.	2.0	N.D.	109
CHLOROETHANE	N.D.	2.0	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	2.0	N.D.	--
CHLOROFORM	N.D.	2.0	N.D.	--
CHLOROMETHANE	N.D.	2.0	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	2.0	N.D.	--
1,1-DICHLOROETHANE	N.D.	2.0	N.D.	--
1,2-DICHLOROETHANE	N.D.	2.0	N.D.	--
1,1-DICHLOROETHENE	N.D.	2.0	N.D.	121
CIS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	--
1,2-DICHLOROPROPANE	N.D.	2.0	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	--
ETHYLBENZENE	N.D.	2.0	N.D.	--
2-HEXANONE	N.D.	2.0	N.D.	--
METHYLENE CHLORIDE	N.D.	2.0	N.D.	--
METHYL ISOBUTYL KETONE	N.D.	2.0	N.D.	--
STYRENE	N.D.	2.0	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	2.0	N.D.	--
TETRACHLOROETHENE	N.D.	2.0	N.D.	--
TOLUENE	N.D.	2.0	N.D.	108
1,1,1-TRICHLOROETHANE	N.D.	2.0	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	2.0	N.D.	--
TRICHLOROETHENE	N.D.	2.0	N.D.	110
TRICHLOROFLUOROMETHANE	N.D.	2.0	N.D.	--
VINYL ACETATE	N.D.	2.0	N.D.	--
VINYL CHLORIDE	N.D.	2.0	N.D.	--
TOTAL XYLENES	N.D.	2.0	N.D.	--

Aaron McMichael
Chemist

Ali Kharrazi
Organic Manager

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B3-W**
Spl#: 86128 *Matrix:* WATER
Sampled: April 22, 1995 *Run#:* 6437 *Analyzed:* April 28, 1995
Method: EPA 8240/8260

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
ACETONE	N.D.	4.0	N.D.	--
BENZENE	N.D.	2.0	N.D.	109
BROMODICHLOROMETHANE	N.D.	2.0	N.D.	--
BROMOFORM	N.D.	2.0	N.D.	--
BROMOMETHANE	N.D.	2.0	N.D.	--
METHYL ETHYL KETONE	N.D.	2.0	N.D.	--
CARBON TETRACHLORIDE	N.D.	2.0	N.D.	--
CHLOROBENZENE	N.D.	2.0	N.D.	89
CHLOROETHANE	N.D.	2.0	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	2.0	N.D.	--
CHLOROFORM	N.D.	2.0	N.D.	--
CHLOROMETHANE	N.D.	2.0	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	2.0	N.D.	--
1,1-DICHLOROETHANE	N.D.	2.0	N.D.	--
1,2-DICHLOROETHANE	N.D.	2.0	N.D.	--
1,1-DICHLOROETHENE	N.D.	2.0	N.D.	105
CIS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	--
1,2-DICHLOROPROPANE	N.D.	2.0	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	--
ETHYLBENZENE	N.D.	2.0	N.D.	--
2-HEXANONE	N.D.	2.0	N.D.	--
METHYLENE CHLORIDE	N.D.	2.0	N.D.	--
METHYL ISOBUTYL KETONE	N.D.	2.0	N.D.	--
STYRENE	N.D.	2.0	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	2.0	N.D.	--
TETRACHLOROETHENE	N.D.	2.0	N.D.	--
TOLUENE	N.D.	2.0	N.D.	91
1,1,1-TRICHLOROETHANE	N.D.	2.0	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	2.0	N.D.	--
TRICHLOROETHENE	N.D.	2.0	N.D.	95
TRICHLOROFLUOROMETHANE	N.D.	2.0	N.D.	--
VINYL ACETATE	N.D.	2.0	N.D.	--
VINYL CHLORIDE	N.D.	2.0	N.D.	--
TOTAL XYLENES	N.D.	2.0	N.D.	--

Aaron McMichael
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B4-W**
Spl#: 86126 *Matrix:* WATER
Sampled: April 22, 1995 *Run#:* 6400 *Analyzed:* April 26, 1995
Method: EPA 8240/8260

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
ACETONE	N.D.	4.0	N.D.	--
BENZENE	N.D.	2.0	N.D.	125
BROMODICHLOROMETHANE	N.D.	2.0	N.D.	--
BROMOFORM	N.D.	2.0	N.D.	--
BROMOMETHANE	N.D.	2.0	N.D.	--
METHYL ETHYL KETONE	N.D.	2.0	N.D.	--
CARBON TETRACHLORIDE	N.D.	2.0	N.D.	--
CHLOROBENZENE	N.D.	2.0	N.D.	105
CHLOROETHANE	N.D.	2.0	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	2.0	N.D.	--
CHLOROFORM	N.D.	2.0	N.D.	--
CHLOROMETHANE	N.D.	2.0	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	2.0	N.D.	--
1,1-DICHLOROETHANE	N.D.	2.0	N.D.	--
1,2-DICHLOROETHANE	N.D.	2.0	N.D.	--
1,1-DICHLOROETHENE	N.D.	2.0	N.D.	121
CIS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	--
1,2-DICHLOROPROPANE	N.D.	2.0	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	--
ETHYLBENZENE	N.D.	2.0	N.D.	--
2-HEXANONE	N.D.	2.0	N.D.	--
METHYLENE CHLORIDE	N.D.	2.0	N.D.	--
METHYL ISOBUTYL KETONE	N.D.	2.0	N.D.	--
STYRENE	N.D.	2.0	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	2.0	N.D.	--
TETRACHLOROETHENE	N.D.	2.0	N.D.	--
TOLUENE	N.D.	2.0	N.D.	103
1,1,1-TRICHLOROETHANE	N.D.	2.0	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	2.0	N.D.	--
TRICHLOROETHENE	N.D.	2.0	N.D.	103
TRICHLOROFLUOROMETHANE	N.D.	2.0	N.D.	--
VINYL ACETATE	N.D.	2.0	N.D.	--
VINYL CHLORIDE	N.D.	2.0	N.D.	--
TOTAL XYLENES	N.D.	2.0	N.D.	--

Aaron McMichael
Chemist

Ali Kharrazi
Organic Manager

QC AARON 12:42:28

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B5-W**
Spl#: 86125 *Matrix:* WATER
Sampled: April 22, 1995 *Run#:* 6400 *Analyzed:* April 26, 1995
Method: EPA 8240/8260

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
ACETONE	N.D.	4.0	N.D.	--
BENZENE	N.D.	2.0	N.D.	125
BROMODICHLOROMETHANE	N.D.	2.0	N.D.	--
BROMOFORM	N.D.	2.0	N.D.	--
BROMOMETHANE	N.D.	2.0	N.D.	--
METHYL ETHYL KETONE	N.D.	2.0	N.D.	--
CARBON TETRACHLORIDE	N.D.	2.0	N.D.	--
CHLOROBENZENE	N.D.	2.0	N.D.	105
CHLOROETHANE	N.D.	2.0	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	2.0	N.D.	--
CHLOROFORM	N.D.	2.0	N.D.	--
CHLOROMETHANE	N.D.	2.0	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	2.0	N.D.	--
1,1-DICHLOROETHANE	N.D.	2.0	N.D.	--
1,2-DICHLOROETHANE	N.D.	2.0	N.D.	--
1,1-DICHLOROETHENE	N.D.	2.0	N.D.	121
CIS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	--
1,2-DICHLOROPROPANE	N.D.	2.0	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	--
ETHYLBENZENE	N.D.	2.0	N.D.	--
2-HEXANONE	N.D.	2.0	N.D.	--
METHYLENE CHLORIDE	N.D.	2.0	N.D.	--
METHYL ISOBUTYL KETONE	N.D.	2.0	N.D.	--
STYRENE	N.D.	2.0	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	2.0	N.D.	--
TETRACHLOROETHENE	N.D.	2.0	N.D.	--
TOLUENE	N.D.	2.0	N.D.	103
1,1,1-TRICHLOROETHANE	N.D.	2.0	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	2.0	N.D.	--
TRICHLOROETHENE	N.D.	2.0	N.D.	103
TRICHLOROFLUOROMETHANE	N.D.	2.0	N.D.	--
VINYL ACETATE	N.D.	2.0	N.D.	--
VINYL CHLORIDE	N.D.	2.0	N.D.	--
TOTAL XYLENES	N.D.	2.0	N.D.	--

Aaron McMichael
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B8-W**
Spl#: 86271 *Matrix:* WATER
Sampled: April 22, 1995 *Run#:* 6437 *Analyzed:* April 28, 1995
Method: EPA 624

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
ACETONE	N.D.	4.0	N.D.	--
BENZENE	N.D.	2.0	N.D.	109
BROMODICHLOROMETHANE	N.D.	2.0	N.D.	--
BROMOFORM	N.D.	2.0	N.D.	--
BROMOMETHANE	N.D.	2.0	N.D.	--
METHYL ETHYL KETONE	N.D.	2.0	N.D.	--
CARBON TETRACHLORIDE	N.D.	2.0	N.D.	--
CHLOROBENZENE	N.D.	2.0	N.D.	89
CHLOROETHANE	N.D.	2.0	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	2.0	N.D.	--
CHLOROFORM	N.D.	2.0	N.D.	--
CHLOROMETHANE	N.D.	2.0	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	2.0	N.D.	--
1,1-DICHLOROETHANE	N.D.	2.0	N.D.	--
1,2-DICHLOROETHANE	N.D.	2.0	N.D.	--
1,1-DICHLOROETHENE	N.D.	2.0	N.D.	105
CIS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	--
1,2-DICHLOROPROPANE	N.D.	2.0	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	--
ETHYLBENZENE	N.D.	2.0	N.D.	--
2-HEXANONE	N.D.	2.0	N.D.	--
METHYLENE CHLORIDE	N.D.	2.0	N.D.	--
METHYL ISOBUTYL KETONE	N.D.	2.0	N.D.	--
STYRENE	N.D.	2.0	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	2.0	N.D.	--
TETRACHLOROETHENE	N.D.	2.0	N.D.	--
TOLUENE	N.D.	2.0	N.D.	91
1,1,1-TRICHLOROETHANE	N.D.	2.0	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	2.0	N.D.	--
TRICHLOROETHENE	N.D.	2.0	N.D.	95
TRICHLOROFLUOROMETHANE	N.D.	2.0	N.D.	--
VINYL ACETATE	N.D.	2.0	N.D.	--
VINYL CHLORIDE	N.D.	2.0	N.D.	--
TOTAL XYLENES	N.D.	2.0	N.D.	--

Aaron McMichael
Chemist

Ali Kharrazi
Organic Manager

QC AARON 12:42:28

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Federal ID #68-0140157

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CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B10-W**
Spl#: 86130 *Matrix:* WATER
Sampled: April 22, 1995 *Run#:* 6464 *Analyzed:* May 1, 1995
Method: EPA 8240/8260

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
ACETONE	N.D.	4.0	N.D.	--
BENZENE	N.D.	2.0	N.D.	123
BROMODICHLOROMETHANE	N.D.	2.0	N.D.	--
BROMOFORM	N.D.	2.0	N.D.	--
BROMOMETHANE	N.D.	2.0	N.D.	--
METHYL ETHYL KETONE	N.D.	2.0	N.D.	--
CARBON TETRACHLORIDE	N.D.	2.0	N.D.	--
CHLOROBENZENE	N.D.	2.0	N.D.	106
CHLOROETHANE	N.D.	2.0	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	2.0	N.D.	--
CHLOROFORM	N.D.	2.0	N.D.	--
CHLOROMETHANE	N.D.	2.0	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	2.0	N.D.	--
1,1-DICHLOROETHANE	N.D.	2.0	N.D.	--
1,2-DICHLOROETHANE	N.D.	2.0	N.D.	--
1,1-DICHLOROETHENE	N.D.	2.0	N.D.	121
CIS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	--
1,2-DICHLOROPROPANE	N.D.	2.0	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	--
ETHYLBENZENE	N.D.	2.0	N.D.	--
2-HEXANONE	N.D.	2.0	N.D.	--
METHYLENE CHLORIDE	N.D.	2.0	N.D.	--
METHYL ISOBUTYL KETONE	N.D.	2.0	N.D.	--
STYRENE	N.D.	2.0	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	2.0	N.D.	--
TETRACHLOROETHENE	N.D.	2.0	N.D.	--
TOLUENE	N.D.	2.0	N.D.	106
1,1,1-TRICHLOROETHANE	N.D.	2.0	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	2.0	N.D.	--
TRICHLOROETHENE	N.D.	2.0	N.D.	105
TRICHLOROFLUOROMETHANE	N.D.	2.0	N.D.	--
VINYL ACETATE	N.D.	2.0	N.D.	--
VINYL CHLORIDE	N.D.	2.0	N.D.	--
TOTAL XYLENES	N.D.	2.0	N.D.	--

Aaron McMichael
Chemist

Ali Kharrazi
Organic Manager

QC AARON 12:42:28

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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile (Base/Neutral Extractable) Compounds analysis.
Sample ID: **B1-W**
Spl#: 86129 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6489 *Analyzed:* May 1, 1995
Method: EPA 3510/625

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	4	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	4	N.D.	--
2-CHLOROPHENOL	N.D.	4	N.D.	32
1,3-DICHLOROBENZENE	N.D.	4	N.D.	--
1,4-DICHLOROBENZENE	N.D.	4	N.D.	--
BENZYL ALCOHOL	N.D.	4	N.D.	--
1,2-DICHLOROBENZENE	N.D.	4	N.D.	--
2-METHYLPHENOL	N.D.	4	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	4	N.D.	--
4-METHYLPHENOL	N.D.	4	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	4	N.D.	64
HEXACHLOROETHANE	N.D.	4	N.D.	--
NITROBENZENE	N.D.	4	N.D.	--
ISOPHORONE	N.D.	4	N.D.	--
2-NITROPHENOL	N.D.	4	N.D.	--
2,4-DIMETHYL PHENOL	N.D.	4	N.D.	--
BENZOIC ACID	N.D.	4	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	4	N.D.	--
2,4-DICHLOROPHENOL	N.D.	4	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	4	N.D.	56
NAPHTHALENE	N.D.	4	N.D.	--
4-CHLOROANILINE	N.D.	4	N.D.	--
HEXACHLOROBUTADIENE	N.D.	4	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	8	N.D.	36
2-METHYLNAPHTHALENE	N.D.	4	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	4	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	4	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	4	N.D.	--
2-CHLORONAPHTHALENE	N.D.	4	N.D.	--
2-NITROANILINE	N.D.	4	N.D.	--
DIMETHYL PHTHALATE	N.D.	4	N.D.	--
ACENAPHTHYLENE	N.D.	4	N.D.	--
3-NITROANILINE	N.D.	4	N.D.	--
ACENAPHTHENE	N.D.	4	N.D.	63
2,4-DINITROPHENOL	N.D.	20	N.D.	--
4-NITROPHENOL	N.D.	20	N.D.	--
DIBENZOFURAN	N.D.	4	N.D.	--
2,4-DINITROTOLUENE	N.D.	4	N.D.	37
2,6-DINITROTOLUENE	N.D.	4	N.D.	--

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile (Base/Neutral Extractable) Compounds analysis, continued.
Sample ID: **B1-W**
Spl#: 86129 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6489 *Analyzed:* May 1, 1995
Method: EPA 3510/625

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
DIETHYL PHTHALATE	N.D.	4	N.D.	--
4-CHLOROPHENYLPHENYLETHER	N.D.	4	N.D.	--
FLUORENE	N.D.	4	N.D.	--
4-NITROANILINE	N.D.	4	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	20	N.D.	--
N-NITROSODI-N-PHENYLAMINE	N.D.	4	N.D.	--
4-BROMOPHENYLPHENYLETHER	N.D.	4	N.D.	--
HEXACHLOROBENZENE	N.D.	4	N.D.	--
PENTACHLOROPHENOL	N.D.	20	N.D.	36
PHENANTHRENE	N.D.	4	N.D.	--
ANTHRACENE	N.D.	4	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	4	N.D.	--
FLUORANTHENE	N.D.	4	N.D.	--
PYRENE	N.D.	4	N.D.	79
BUTYL BENZYL PHTHALATE	N.D.	4	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	8	N.D.	--
BENZO(A)ANTHRACENE	N.D.	4	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	4	N.D.	--
CHRYSENE	N.D.	4	N.D.	--
DI-N-OCTYLPHTHALATE	N.D.	4	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	4	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	4	N.D.	--
BENZO(A)PYRENE	N.D.	4	N.D.	--
INDENO(1,2,3-CD)PYRENE	N.D.	4	N.D.	--
DIBENZO(A,H)ANTHRACENE	N.D.	4	N.D.	--
BENZO(GHI)PERYLENE	N.D.	4	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile (Base/Neutral Extractable) Compounds analysis.
Sample ID: **B2-W**
Spl#: 86127 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6489 *Analyzed:* May 1, 1995
Method: EPA 3510/625

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	4	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	4	N.D.	--
2-CHLOROPHENOL	N.D.	4	N.D.	32
1,3-DICHLOROBENZENE	N.D.	4	N.D.	--
1,4-DICHLOROBENZENE	N.D.	4	N.D.	--
BENZYL ALCOHOL	N.D.	4	N.D.	--
1,2-DICHLOROBENZENE	N.D.	4	N.D.	--
2-METHYLPHENOL	N.D.	4	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	4	N.D.	--
4-METHYLPHENOL	N.D.	4	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	4	N.D.	64
HEXACHLOROETHANE	N.D.	4	N.D.	--
NITROBENZENE	N.D.	4	N.D.	--
ISOPHORONE	N.D.	4	N.D.	--
2-NITROPHENOL	N.D.	4	N.D.	--
2,4-DIMETHYL PHENOL	N.D.	4	N.D.	--
BENZOIC ACID	N.D.	4	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	4	N.D.	--
2,4-DICHLOROPHENOL	N.D.	4	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	4	N.D.	56
NAPHTHALENE	N.D.	4	N.D.	--
4-CHLOROANILINE	N.D.	4	N.D.	--
HEXACHLOROBUTADIENE	N.D.	4	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	8	N.D.	36
2-METHYLNAPHTHALENE	N.D.	4	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	4	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	4	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	4	N.D.	--
2-CHLORONAPHTHALENE	N.D.	4	N.D.	--
2-NITROANILINE	N.D.	4	N.D.	--
DIMETHYL PHTHALATE	N.D.	4	N.D.	--
ACENAPHTHYLENE	N.D.	4	N.D.	--
3-NITROANILINE	N.D.	4	N.D.	--
ACENAPHTHENE	N.D.	4	N.D.	63
2,4-DINITROPHENOL	N.D.	20	N.D.	--
4-NITROPHENOL	N.D.	20	N.D.	--
DIBENZOFURAN	N.D.	4	N.D.	--
2,4-DINITROTOLUENE	N.D.	4	N.D.	37
2,6-DINITROTOLUENE	N.D.	4	N.D.	--

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
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ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile (Base/Neutral Extractable) Compounds analysis, continued.
Sample ID: **B2-W**
Spl#: 86127 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6489 *Analyzed:* May 1, 1995
Method: EPA 3510/625

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
DIETHYL PHTHALATE	N.D.	4	N.D.	--
4-CHLOROPHENYLPHENYLETHER	N.D.	4	N.D.	--
FLUORENE	N.D.	4	N.D.	--
4-NITROANILINE	N.D.	4	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	20	N.D.	--
N-NITROSODI-N-PHENYLAMINE	N.D.	4	N.D.	--
4-BROMOPHENYLPHENYLETHER	N.D.	4	N.D.	--
HEXACHLOROBENZENE	N.D.	4	N.D.	--
PENTACHLOROPHENOL	N.D.	20	N.D.	36
PHENANTHRENE	N.D.	4	N.D.	--
ANTHRACENE	N.D.	4	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	4	N.D.	--
FLUORANTHENE	N.D.	4	N.D.	--
PYRENE	N.D.	4	N.D.	79
BUTYL BENZYL PHTHALATE	N.D.	4	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	8	N.D.	--
BENZO(A)ANTHRACENE	N.D.	4	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	4	N.D.	--
CHRYSENE	N.D.	4	N.D.	--
DI-N-OCTYLPHTHALATE	N.D.	4	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	4	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	4	N.D.	--
BENZO(A)PYRENE	N.D.	4	N.D.	--
INDENO(1,2,3-CD)PYRENE	N.D.	4	N.D.	--
DIBENZO(A,H)ANTHRACENE	N.D.	4	N.D.	--
BENZO(GHI)PERYLENE	N.D.	4	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile (Base/Neutral Extractable) Compounds analysis.
Sample ID: **B3-W**
Spl#: 86128 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6489 *Analyzed:* May 1, 1995
Method: EPA 3510/625

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	4	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	4	N.D.	--
2-CHLOROPHENOL	N.D.	4	N.D.	32
1,3-DICHLOROBENZENE	N.D.	4	N.D.	--
1,4-DICHLOROBENZENE	N.D.	4	N.D.	--
BENZYL ALCOHOL	N.D.	4	N.D.	--
1,2-DICHLOROBENZENE	N.D.	4	N.D.	--
2-METHYLPHENOL	N.D.	4	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	4	N.D.	--
4-METHYLPHENOL	N.D.	4	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	4	N.D.	64
HEXACHLOROETHANE	N.D.	4	N.D.	--
NITROBENZENE	N.D.	4	N.D.	--
ISOPHORONE	N.D.	4	N.D.	--
2-NITROPHENOL	N.D.	4	N.D.	--
2,4-DIMETHYL PHENOL	N.D.	4	N.D.	--
BENZOIC ACID	N.D.	4	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	4	N.D.	--
2,4-DICHLOROPHENOL	N.D.	4	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	4	N.D.	56
NAPHTHALENE	N.D.	4	N.D.	--
4-CHLOROANILINE	N.D.	4	N.D.	--
HEXACHLOROBUTADIENE	N.D.	4	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	8	N.D.	36
2-METHYLNAPHTHALENE	N.D.	4	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	4	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	4	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	4	N.D.	--
2-CHLORONAPHTHALENE	N.D.	4	N.D.	--
2-NITROANILINE	N.D.	4	N.D.	--
DIMETHYL PHTHALATE	N.D.	4	N.D.	--
ACENAPHTHYLENE	N.D.	4	N.D.	--
3-NITROANILINE	N.D.	4	N.D.	--
ACENAPHTHENE	N.D.	4	N.D.	63
2,4-DINITROPHENOL	N.D.	20	N.D.	--
4-NITROPHENOL	N.D.	20	N.D.	--
DIBENZOFURAN	N.D.	4	N.D.	--
2,4-DINITROTOLUENE	N.D.	4	N.D.	37
2,6-DINITROTOLUENE	N.D.	4	N.D.	--

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OCtest Y1 10:48:17

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
page 2

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile (Base/Neutral Extractable) Compounds analysis, continued.
Sample ID: **B3-W**
Spl#: 86128 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6489 *Analyzed:* May 1, 1995
Method: EPA 3510/625

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
DIETHYL PHTHALATE	N.D.	4	N.D.	--
4-CHLOROPHENYLPHENYLETHER	N.D.	4	N.D.	--
FLUORENE	N.D.	4	N.D.	--
4-NITROANILINE	N.D.	4	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	20	N.D.	--
N-NITROSODI-N-PHENYLAMINE	N.D.	4	N.D.	--
4-BROMOPHENYLPHENYLETHER	N.D.	4	N.D.	--
HEXACHLOROBENZENE	N.D.	4	N.D.	--
PENTACHLOROPHENOL	N.D.	20	N.D.	36
PHENANTHRENE	N.D.	4	N.D.	--
ANTHRACENE	N.D.	4	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	4	N.D.	--
FLUORANTHENE	N.D.	4	N.D.	--
PYRENE	N.D.	4	N.D.	79
BUTYL BENZYL PHTHALATE	N.D.	4	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	8	N.D.	--
BENZO(A)ANTHRACENE	N.D.	4	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	4	N.D.	--
CHRYSENE	N.D.	4	N.D.	--
DI-N-OCTYLPHTHALATE	N.D.	4	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	4	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	4	N.D.	--
BENZO(A)PYRENE	N.D.	4	N.D.	--
INDENO(1,2,3-CD)PYRENE	N.D.	4	N.D.	--
DIBENZO(A,H)ANTHRACENE	N.D.	4	N.D.	--
BENZO(GHI)PERYLENE	N.D.	4	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile (Base/Neutral Extractable) Compounds analysis.
Sample ID: **B4-W**
Spl#: 86126 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6489 *Analyzed:* May 1, 1995
Method: EPA 3510/625

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	4	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	4	N.D.	--
2-CHLOROPHENOL	N.D.	4	N.D.	32
1,3-DICHLOROBENZENE	N.D.	4	N.D.	--
1,4-DICHLOROBENZENE	N.D.	4	N.D.	--
BENZYL ALCOHOL	N.D.	4	N.D.	--
1,2-DICHLOROBENZENE	N.D.	4	N.D.	--
2-METHYLPHENOL	N.D.	4	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	4	N.D.	--
4-METHYLPHENOL	N.D.	4	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	4	N.D.	64
HEXACHLOROETHANE	N.D.	4	N.D.	--
NITROBENZENE	N.D.	4	N.D.	--
ISOPHORONE	N.D.	4	N.D.	--
2-NITROPHENOL	N.D.	4	N.D.	--
2,4-DIMETHYL PHENOL	N.D.	4	N.D.	--
BENZOIC ACID	N.D.	4	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	4	N.D.	--
2,4-DICHLOROPHENOL	N.D.	4	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	4	N.D.	56
NAPHTHALENE	N.D.	4	N.D.	--
4-CHLOROANILINE	N.D.	4	N.D.	--
HEXACHLOROBUTADIENE	N.D.	4	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	8	N.D.	36
2-METHYLNAPHTHALENE	N.D.	4	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	4	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	4	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	4	N.D.	--
2-CHLORONAPHTHALENE	N.D.	4	N.D.	--
2-NITROANILINE	N.D.	4	N.D.	--
DIMETHYL PHTHALATE	N.D.	4	N.D.	--
ACENAPHTHYLENE	N.D.	4	N.D.	--
3-NITROANILINE	N.D.	4	N.D.	--
ACENAPHTHENE	N.D.	4	N.D.	63
2,4-DINITROPHENOL	N.D.	20	N.D.	--
4-NITROPHENOL	N.D.	20	N.D.	--
DIBENZOFURAN	N.D.	4	N.D.	--
2,4-DINITROTOLUENE	N.D.	4	N.D.	37
2,6-DINITROTOLUENE	N.D.	4	N.D.	--

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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
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ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile (Base/Neutral Extractable) Compounds analysis, continued.
Sample ID: **B4-W**
Spl#: 86126 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6489 *Analyzed:* May 1, 1995
Method: EPA 3510/625

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
DIETHYL PHTHALATE	N.D.	4	N.D.	--
4-CHLOROPHENYLPHENYLETHER	N.D.	4	N.D.	--
FLUORENE	N.D.	4	N.D.	--
4-NITROANILINE	N.D.	4	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	20	N.D.	--
N-NITROSODI-N-PHENYLAMINE	N.D.	4	N.D.	--
4-BROMOPHENYLPHENYLETHER	N.D.	4	N.D.	--
HEXACHLOROBENZENE	N.D.	4	N.D.	--
PENTACHLOROPHENOL	N.D.	20	N.D.	36
PHENANTHRENE	N.D.	4	N.D.	--
ANTHRACENE	N.D.	4	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	4	N.D.	--
FLUORANTHENE	N.D.	4	N.D.	--
PYRENE	N.D.	4	N.D.	79
BUTYL BENZYL PHTHALATE	N.D.	4	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	8	N.D.	--
BENZO(A)ANTHRACENE	N.D.	4	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	4	N.D.	--
CHRYSENE	N.D.	4	N.D.	--
DI-N-OCTYLPHTHALATE	N.D.	4	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	4	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	4	N.D.	--
BENZO(A)PYRENE	N.D.	4	N.D.	--
INDENO(1,2,3-CD)PYRENE	N.D.	4	N.D.	--
DIBENZO(A,H)ANTHRACENE	N.D.	4	N.D.	--
BENZO(GHI)PERYLENE	N.D.	4	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile (Base/Neutral Extractable) Compounds analysis.
Sample ID: **B5-W**
Spl#: 86125 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6489 *Analyzed:* May 1, 1995
Method: EPA 3510/625

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	4	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	4	N.D.	--
2-CHLOROPHENOL	N.D.	4	N.D.	32
1,3-DICHLOROBENZENE	N.D.	4	N.D.	--
1,4-DICHLOROBENZENE	N.D.	4	N.D.	--
BENZYL ALCOHOL	N.D.	4	N.D.	--
1,2-DICHLOROBENZENE	N.D.	4	N.D.	--
2-METHYLPHENOL	N.D.	4	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	4	N.D.	--
4-METHYLPHENOL	N.D.	4	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	4	N.D.	64
HEXACHLOROETHANE	N.D.	4	N.D.	--
NITROBENZENE	N.D.	4	N.D.	--
ISOPHORONE	N.D.	4	N.D.	--
2-NITROPHENOL	N.D.	4	N.D.	--
2,4-DIMETHYL PHENOL	N.D.	4	N.D.	--
BENZOIC ACID	N.D.	4	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	4	N.D.	--
2,4-DICHLOROPHENOL	N.D.	4	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	4	N.D.	56
NAPHTHALENE	N.D.	4	N.D.	--
4-CHLOROANILINE	N.D.	4	N.D.	--
HEXACHLOROBUTADIENE	N.D.	4	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	8	N.D.	36
2-METHYLNAPHTHALENE	N.D.	4	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	4	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	4	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	4	N.D.	--
2-CHLORONAPHTHALENE	N.D.	4	N.D.	--
2-NITROANILINE	N.D.	4	N.D.	--
DIMETHYL PHTHALATE	N.D.	4	N.D.	--
ACENAPHTHYLENE	N.D.	4	N.D.	--
3-NITROANILINE	N.D.	4	N.D.	--
ACENAPHTHENE	N.D.	4	N.D.	63
2,4-DINITROPHENOL	N.D.	20	N.D.	--
4-NITROPHENOL	N.D.	20	N.D.	--
DIBENZOFURAN	N.D.	4	N.D.	--
2,4-DINITROTOLUENE	N.D.	4	N.D.	37
2,6-DINITROTOLUENE	N.D.	4	N.D.	--

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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
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ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile (Base/Neutral Extractable) Compounds analysis, continued.
Sample ID: **B5-W**
Spl#: 86125 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6489 *Analyzed:* May 1, 1995
Method: EPA 3510/625

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
DIETHYL PHTHALATE	N.D.	4	N.D.	--
4-CHLOROPHENYLPHENYLETHER	N.D.	4	N.D.	--
FLUORENE	N.D.	4	N.D.	--
4-NITROANILINE	N.D.	4	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	20	N.D.	--
N-NITROSODI-N-PHENYLAMINE	N.D.	4	N.D.	--
4-BROMOPHENYLPHENYLETHER	N.D.	4	N.D.	--
HEXACHLOROBENZENE	N.D.	4	N.D.	--
PENTACHLOROPHENOL	N.D.	20	N.D.	36
PHENANTHRENE	N.D.	4	N.D.	--
ANTHRACENE	N.D.	4	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	4	N.D.	--
FLUORANTHENE	N.D.	4	N.D.	--
PYRENE	N.D.	4	N.D.	79
BUTYL BENZYL PHTHALATE	N.D.	4	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	8	N.D.	--
BENZO(A)ANTHRACENE	N.D.	4	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	4	N.D.	--
CHRYSENE	N.D.	4	N.D.	--
DI-N-OCTYLPHTHALATE	N.D.	4	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	4	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	4	N.D.	--
BENZO(A)PYRENE	N.D.	4	N.D.	--
INDENO(1,2,3-CD)PYRENE	N.D.	4	N.D.	--
DIBENZO(A,H)ANTHRACENE	N.D.	4	N.D.	--
BENZO(GHI)PERYLENE	N.D.	4	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile (Base/Neutral Extractable) Compounds analysis.
Sample ID: **B10-W**
Spl#: 86130 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6489 *Analyzed:* May 1, 1995
Method: EPA 3510/625

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	4	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	4	N.D.	--
2-CHLOROPHENOL	N.D.	4	N.D.	32
1,3-DICHLOROBENZENE	N.D.	4	N.D.	--
1,4-DICHLOROBENZENE	N.D.	4	N.D.	--
BENZYL ALCOHOL	N.D.	4	N.D.	--
1,2-DICHLOROBENZENE	N.D.	4	N.D.	--
2-METHYLPHENOL	N.D.	4	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	4	N.D.	--
4-METHYLPHENOL	N.D.	4	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	4	N.D.	64
HEXACHLOROETHANE	N.D.	4	N.D.	--
NITROBENZENE	N.D.	4	N.D.	--
ISOPHORONE	N.D.	4	N.D.	--
2-NITROPHENOL	N.D.	4	N.D.	--
2,4-DIMETHYL PHENOL	N.D.	4	N.D.	--
BENZOIC ACID	N.D.	4	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	4	N.D.	--
2,4-DICHLOROPHENOL	N.D.	4	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	4	N.D.	56
NAPHTHALENE	N.D.	4	N.D.	--
4-CHLOROANILINE	N.D.	4	N.D.	--
HEXACHLOROBUTADIENE	N.D.	4	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	8	N.D.	36
2-METHYLNAPHTHALENE	N.D.	4	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	4	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	4	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	4	N.D.	--
2-CHLORONAPHTHALENE	N.D.	4	N.D.	--
2-NITROANILINE	N.D.	4	N.D.	--
DIMETHYL PHTHALATE	N.D.	4	N.D.	--
ACENAPHTHYLENE	N.D.	4	N.D.	--
3-NITROANILINE	N.D.	4	N.D.	--
ACENAPHTHENE	N.D.	4	N.D.	63
2,4-DINITROPHENOL	N.D.	20	N.D.	--
4-NITROPHENOL	N.D.	20	N.D.	--
DIBENZOFURAN	N.D.	4	N.D.	--
2,4-DINITROTOLUENE	N.D.	4	N.D.	37
2,6-DINITROTOLUENE	N.D.	4	N.D.	--

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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
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ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG
Project#: 95907
Received: April 25, 1995

re: One sample for Semivolatile (Base/Neutral Extractable) Compounds analysis, continued.
Sample ID: **B10-W**
Spl#: 86130 *Matrix:* WATER *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6489 *Analyzed:* May 1, 1995
Method: EPA 3510/625

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
DIETHYL PHTHALATE	N.D.	4	N.D.	--
4-CHLOROPHENYLPHENYLETHER	N.D.	4	N.D.	--
FLUORENE	N.D.	4	N.D.	--
4-NITROANILINE	N.D.	4	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	20	N.D.	--
N-NITROSODI-N-PHENYLAMINE	N.D.	4	N.D.	--
4-BROMOPHENYLPHENYLETHER	N.D.	4	N.D.	--
HEXACHLOROBENZENE	N.D.	4	N.D.	--
PENTACHLOROPHENOL	N.D.	20	N.D.	36
PHENANTHRENE	N.D.	4	N.D.	--
ANTHRACENE	N.D.	4	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	4	N.D.	--
FLUORANTHENE	N.D.	4	N.D.	--
PYRENE	N.D.	4	N.D.	79
BUTYL BENZYL PHTHALATE	N.D.	4	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	8	N.D.	--
BENZO(A)ANTHRACENE	N.D.	4	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	4	N.D.	--
CHRYSENE	N.D.	4	N.D.	--
DI-N-OCTYLPHTHALATE	N.D.	4	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	4	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	4	N.D.	--
BENZO(A)PYRENE	N.D.	4	N.D.	--
INDENO(1,2,3-CD)PYRENE	N.D.	4	N.D.	--
DIBENZO(A,H)ANTHRACENE	N.D.	4	N.D.	--
BENZO(GHI)PERYLENE	N.D.	4	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: 6 samples for Gasoline analysis.

Matrix: WATER
Sampled: April 22, 1995 *Run#:* 6541 *Analyzed:* May 8, 1995
Method: EPA 5030/8015M

Spl # CLIENT SMPL ID	GASOLINE (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
86125 B5-W	N.D.	0.05	N.D.	100
86126 B4-W	N.D.	0.05	N.D.	100
86127 B2-W	N.D.	0.05	N.D.	100
86128 B3-W	N.D.	0.05	N.D.	100
86129 B1-W	N.D.	0.05	N.D.	100
86130 B10-W	N.D.	0.05	N.D.	100

Jack Kelly
Chemist

Ali Kharrazi
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OCtest JACK 13:29:56

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CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: 34 samples for Total Recoverable Petroleum Hydrocarbons analysis.

Matrix: WATER *Extracted:* May 2, 1995
Sampled: April 22, 1995 *Run#:* 6469 *Analyzed:* May 2, 1995
Method: EPA 418.1

Spl #	CLIENT SMPL ID	TRPH (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
86125	B5-W	N.D.	2.0	N.D.	105
	Note: REPORTING LIMIT INCREASED DUE TO SAMPLE SIZE.				
86126	B4-W	N.D.	2.0	N.D.	105
86127	B2-W	N.D.	2.0	N.D.	105
86128	B3-W	N.D.	2.0	N.D.	105
86129	B1-W	N.D.	2.0	N.D.	105
86130	B10-W	N.D.	2.0	N.D.	105
86271	B8-W	N.D.	2.0	N.D.	105

Matrix: SOIL *Extracted:* May 3, 1995
Sampled: April 22, 1995 *Run#:* 6474 *Analyzed:* May 3, 1995
Method: EPA 418.1

Spl #	CLIENT SMPL ID	TRPH (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
86103	B5-1	N.D.	10	N.D.	99
86106	B5-4	N.D.	10	N.D.	99
86107	B5-8	N.D.	10	N.D.	99
86108	B3-1	N.D.	10	N.D.	99
86109	B3-4	N.D.	10	N.D.	99
86110	B3-8	10	10	N.D.	99
86111	B4-1	N.D.	10	N.D.	99
86112	B4-4	N.D.	10	N.D.	99
86113	B4-8	N.D.	10	N.D.	99

Matrix: SOIL *Extracted:* May 8, 1995
Sampled: April 22, 1995 *Run#:* 6529 *Analyzed:* May 5, 1995
Method: EPA 418.1

Spl #	CLIENT SMPL ID	TRPH (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
86115	B2-1	N.D.	10	N.D.	95
86117	B2-4	N.D.	10	N.D.	95
86121	B2-8	N.D.	10	N.D.	95
86131	B6-1	N.D.	10	N.D.	95
86132	B6-4	N.D.	10	N.D.	95

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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: 6 samples for Diesel analysis.

Matrix: WATER *Extracted:* April 28, 1995
Sampled: April 22, 1995 *Run#:* 6425 *Analyzed:* April 28, 1995
Method: EPA 3510/8015M

Spl #	CLIENT SMPL ID	DIESEL (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
86125	B5-W	N.D.	100	N.D.	85
	Note: Reporting limit increases 2X due to limited sample amount.				
86129	B1-W	N.D.	100	N.D.	85
	Note: Reporting limit increases 2X due to limited sample amount.				

Matrix: WATER *Extracted:* April 28, 1995
Sampled: April 22, 1995 *Run#:* 6425 *Analyzed:* April 29, 1995
Method: EPA 3510/8015M

Spl #	CLIENT SMPL ID	DIESEL (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
86126	B4-W	N.D.	100	N.D.	85
	Note: Reporting limit increases 2X due to limited sample amount.				
86127	B2-W	N.D.	100	N.D.	85
	Note: Reporting limit increases 2X due to limited sample amount.				
86128	B3-W	N.D.	100	N.D.	85
	Note: Reporting limit increases 2X due to limited sample amount.				
86130	B10-W	N.D.	100	N.D.	85
	Note: Reporting limit increases 2X due to limited sample amount.				

Sirirat Chullakorn
Sirirat (Sindy) Chullakorn
Chemist

Ali Kharrazi
Organic Manager

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Federal ID #68-0140157

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907

Received: April 25, 1995

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re: 10 samples for Hexavalent Chromium analysis.

Matrix: SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6396 *Analyzed:* April 27, 1995
Method: EPA 7196

Spl #	CLIENT SMPL ID	HEXAVALENT CHROMIUM (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
86094	B5-1	N.D.	0.5	N.D.	100
86095	B5-4	N.D.	0.5	N.D.	100
86096	B5-8	N.D.	0.5	N.D.	100
86097	B3-1	N.D.	0.5	N.D.	100
86098	B3-4	N.D.	0.5	N.D.	100
86099	B3-8	N.D.	0.5	N.D.	100
86140	B9-1	N.D.	0.5	N.D.	100
86141	B9-4	N.D.	0.5	N.D.	100
86146	B7-2	N.D.	0.5	N.D.	100
86147	B7-4	N.D.	0.5	N.D.	100

Doina Danet
Chemist

John S. Labash
Inorganic Supervisor

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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: 21 samples for Diesel analysis.

Matrix: SOIL *Extracted:* May 1, 1995
Sampled: April 22, 1995 *Run#:* 6449 *Analyzed:* May 2, 1995
Method: EPA 3550/8015M

Spl #	CLIENT SMPL ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
86103	B5-1	N.D.	1.0	N.D.	85

Matrix: SOIL *Extracted:* May 1, 1995
Sampled: April 22, 1995 *Run#:* 6449 *Analyzed:* May 3, 1995
Method: EPA 3550/8015M

Spl #	CLIENT SMPL ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
86106	B5-4	N.D.	1.0	N.D.	85
86107	B5-8	N.D.	1.0	N.D.	85
86108	B3-1	N.D.	1.0	N.D.	85
86109	B3-4	N.D.	1.0	N.D.	85
86110	B3-8	N.D.	1.0	N.D.	85
86111	B4-1	N.D.	1.0	N.D.	85

Matrix: SOIL *Extracted:* May 3, 1995
Sampled: April 22, 1995 *Run#:* 6486 *Analyzed:* May 4, 1995
Method: EPA 3550/8015M

Spl #	CLIENT SMPL ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
86112	B4-4	N.D.	1.0	N.D.	89
86113	B4-8	N.D.	1.0	N.D.	89
86115	B2-1	N.D.	1.0	N.D.	89
86117	B2-4	N.D.	1.0	N.D.	89
86121	B2-8	N.D.	1.0	N.D.	89
86131	B6-1	N.D.	1.0	N.D.	89
86132	B6-4	N.D.	1.0	N.D.	89
86133	B6-8	N.D.	1.0	N.D.	89
86134	B1-4	N.D.	1.0	N.D.	89
86135	B1-1	N.D.	1.0	N.D.	89
86136	B1-8	N.D.	1.0	N.D.	89

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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
Page 2

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: 21 samples for Diesel analysis, continued.

Matrix: SOIL *Extracted:* May 3, 1995
Sampled: April 22, 1995 *Run#:* 6487 *Analyzed:* May 4, 1995
Method: EPA 3550/8015M

Spl # CLIENT SMPL ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
86150 B10-1	N.D.	1.0	N.D.	89
86151 B10-4	N.D.	1.0	N.D.	89
86152 B10-8	N.D.	1.0	N.D.	89

Sirirat Chullakorn
Sirirat (Sindy) Chullakorn
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995

Submission #: 9504318
Page 2

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: 34 samples for Total Recoverable Petroleum Hydrocarbons analysis,

Matrix: SOIL *Extracted:* May 8, 1995
Sampled: April 22, 1995 *Run#:* 6529 *Analyzed:* May 5, 1995
Method: EPA 418.1

Spl # CLIENT SMPL ID	TRPH (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
86133 B6-8	N.D.	10	N.D.	95
86134 B1-4	N.D.	10	N.D.	95
86135 B1-1	N.D.	10	N.D.	95
86136 B1-8	N.D.	10	N.D.	95
86142 B9-1	1700	10	N.D.	95
86143 B9-4	N.D.	10	N.D.	95
86144 B7-2	N.D.	10	N.D.	95
86145 B7-4	N.D.	10	N.D.	95
86148 B8-1	N.D.	10	N.D.	95
86149 B8-4	N.D.	10	N.D.	95
86150 B10-1	N.D.	10	N.D.	95
86151 B10-4	N.D.	10	N.D.	95
86152 B10-8	N.D.	10	N.D.	95

Carolyn House
Extractions Supervisor

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Organochlorine Pesticides analysis.

Sample ID: **B9-1**
Spl#: 86142 *Matrix:* SOIL *Extracted:* May 4, 1995
Sampled: April 22, 1995 *Run#:* 6508 *Analyzed:* May 5, 1995
Method: EPA 3550/8080

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
ALDRIN	N.D.	40	N.D.	109
DIELDRIN	N.D.	40	N.D.	--
ENDRIN ALDEHYDE	N.D.	200	N.D.	--
ENDRIN	N.D.	40	N.D.	--
HEPTACHLOR	N.D.	40	N.D.	94
HEPTACHLOR EPOXIDE	N.D.	40	N.D.	--
P,P-DDT	N.D.	200	N.D.	--
P,P-DDE	N.D.	40	N.D.	99
P,P-DDD	N.D.	200	N.D.	--
ENDOSULFAN I	N.D.	200	N.D.	--
ENDOSULFAN II	N.D.	200	N.D.	--
ALPHA-BHC	N.D.	40	N.D.	83
BETA-BHC	N.D.	40	N.D.	--
GAMMA-BHC (LINDANE)	N.D.	40	N.D.	--
DELTA-BHC	N.D.	40	N.D.	--
ENDOSULFAN SULFATE	N.D.	200	N.D.	99
4,4'-METHOXYCHLOR	N.D.	200	N.D.	--
TOXAPHENE	N.D.	200	N.D.	--
CHLORDANE	N.D.	200	N.D.	--
AROCLOR 1016	N.D.	200	N.D.	--
AROCLOR 1221	N.D.	200	N.D.	--
AROCLOR 1232	N.D.	200	N.D.	--
AROCLOR 1242	N.D.	200	N.D.	--
AROCLOR 1248	N.D.	200	N.D.	--
AROCLOR 1254	N.D.	200	N.D.	--
AROCLOR 1260	N.D.	200	N.D.	--

Note: REPORTING LIMITS RAISED DUE TO MATRIX INTERFERENCE

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Organochlorine Pesticides analysis.

Sample ID: **B9-4**
Spl#: 86143 *Matrix:* SOIL *Extracted:* May 4, 1995
Sampled: April 22, 1995 *Run#:* 6508 *Analyzed:* May 5, 1995
Method: EPA 3550/8080

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
ALDRIN	N.D.	1	N.D.	109
DIELDRIN	N.D.	1	N.D.	--
ENDRIN ALDEHYDE	N.D.	5	N.D.	--
ENDRIN	N.D.	1	N.D.	--
HEPTACHLOR	N.D.	1	N.D.	94
HEPTACHLOR EPOXIDE	N.D.	1	N.D.	--
P,P-DDT	N.D.	5	N.D.	--
P,P-DDE	N.D.	1	N.D.	99
P,P-DDD	N.D.	5	N.D.	--
ENDOSULFAN I	N.D.	5	N.D.	--
ENDOSULFAN II	N.D.	5	N.D.	--
ALPHA-BHC	N.D.	1	N.D.	83
BETA-BHC	N.D.	1	N.D.	--
GAMMA-BHC (LINDANE)	N.D.	1	N.D.	--
DELTA-BHC	N.D.	1	N.D.	--
ENDOSULFAN SULFATE	N.D.	5	N.D.	99
4,4'-METHOXYCHLOR	N.D.	5	N.D.	--
TOXAPHENE	N.D.	5	N.D.	--
CHLORDANE	N.D.	5	N.D.	--
AROCLOR 1016	N.D.	5	N.D.	--
AROCLOR 1221	N.D.	5	N.D.	--
AROCLOR 1232	N.D.	5	N.D.	--
AROCLOR 1242	N.D.	5	N.D.	--
AROCLOR 1248	N.D.	5	N.D.	--
AROCLOR 1254	N.D.	5	N.D.	--
AROCLOR 1260	N.D.	5	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

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3b

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Organochlorine Pesticides analysis.

Sample ID: **B8-1**
Spl#: 86148 *Matrix:* SOIL *Extracted:* May 4, 1995
Sampled: April 22, 1995 *Run#:* 6508 *Analyzed:* May 5, 1995
Method: EPA 3550/8080

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
ALDRIN	N.D.	1	N.D.	109
DIELDRIN	N.D.	1	N.D.	--
ENDRIN ALDEHYDE	N.D.	5	N.D.	--
ENDRIN	N.D.	1	N.D.	--
HEPTACHLOR	N.D.	1	N.D.	94
HEPTACHLOR EPOXIDE	N.D.	1	N.D.	--
P,P-DDT	N.D.	5	N.D.	--
P,P-DDE	N.D.	1	N.D.	99
P,P-DDD	N.D.	5	N.D.	--
ENDOSULFAN I	N.D.	5	N.D.	--
ENDOSULFAN II	N.D.	5	N.D.	--
ALPHA-BHC	N.D.	1	N.D.	83
BETA-BHC	N.D.	1	N.D.	--
GAMMA-BHC (LINDANE)	N.D.	1	N.D.	--
DELTA-BHC	N.D.	1	N.D.	--
ENDOSULFAN SULFATE	N.D.	5	N.D.	99
4,4'-METHOXYCHLOR	N.D.	5	N.D.	--
TOXAPHENE	N.D.	5	N.D.	--
CHLORDANE	N.D.	5	N.D.	--
AROCLOR 1016	N.D.	5	N.D.	--
AROCLOR 1221	N.D.	5	N.D.	--
AROCLOR 1232	N.D.	5	N.D.	--
AROCLOR 1242	N.D.	5	N.D.	--
AROCLOR 1248	N.D.	5	N.D.	--
AROCLOR 1254	N.D.	5	N.D.	--
AROCLOR 1260	N.D.	5	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Organochlorine Pesticides analysis.

Sample ID: **B8-4**
Spl#: 86149 *Matrix:* SOIL *Extracted:* May 4, 1995
Sampled: April 22, 1995 *Run#:* 6508 *Analyzed:* May 5, 1995
Method: EPA 3550/8080

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
ALDRIN	N.D.	1	N.D.	109
DIELDRIN	N.D.	1	N.D.	--
ENDRIN ALDEHYDE	N.D.	5	N.D.	--
ENDRIN	N.D.	1	N.D.	--
HEPTACHLOR	N.D.	1	N.D.	94
HEPTACHLOR EPOXIDE	N.D.	1	N.D.	--
P,P-DDT	N.D.	5	N.D.	--
P,P-DDE	N.D.	1	N.D.	99
P,P-DDD	N.D.	5	N.D.	--
ENDOSULFAN I	N.D.	5	N.D.	--
ENDOSULFAN II	N.D.	5	N.D.	--
ALPHA-BHC	N.D.	1	N.D.	83
BETA-BHC	N.D.	1	N.D.	--
GAMMA-BHC (LINDANE)	N.D.	1	N.D.	--
DELTA-BHC	N.D.	1	N.D.	--
ENDOSULFAN SULFATE	N.D.	5	N.D.	99
4,4'-METHOXYCHLOR	N.D.	5	N.D.	--
TOXAPHENE	N.D.	5	N.D.	--
CHLORDANE	N.D.	5	N.D.	--
AROCLOR 1016	N.D.	5	N.D.	--
AROCLOR 1221	N.D.	5	N.D.	--
AROCLOR 1232	N.D.	5	N.D.	--
AROCLOR 1242	N.D.	5	N.D.	--
AROCLOR 1248	N.D.	5	N.D.	--
AROCLOR 1254	N.D.	5	N.D.	--
AROCLOR 1260	N.D.	5	N.D.	--

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Chemist

Ali Kharrazi
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CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B5-1**
Spl#: 86103 *Matrix:* SOIL
Sampled: April 22, 1995 *Run#:* 6535 *Analyzed:* May 5, 1995
Method: EPA 8240/8260

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.	115
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.	98
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.	116
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.	101
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

CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B5-4**
Spl#: 86106 *Matrix:* SOIL
Sampled: April 22, 1995 *Run#:* 6535 *Analyzed:* May 5, 1995
Method: EPA 8240/8260

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.	115
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.	98
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.	116
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.	101
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

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Federal ID #68-0140157

OC AARON 12:42:28

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CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B5-8**
Spl#: 86107 *Matrix:* SOIL
Sampled: April 22, 1995 *Run#:* 6535 *Analyzed:* May 5, 1995
Method: EPA 8240/8260

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.	115
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.	98
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.	116
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.	101
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

QC AARON 12:42:28

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B3-1**
Spl#: 86108 *Matrix:* SOIL
Sampled: April 22, 1995 *Run#:* 6535 *Analyzed:* May 5, 1995
Method: EPA 8240/8260

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.	115
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.	98
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.	116
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.	101
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

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Federal ID #68-0140157

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CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B3-4**
Spl#: 86109 *Matrix:* SOIL
Sampled: April 22, 1995 *Run#:* 6535 *Analyzed:* May 5, 1995
Method: EPA 8240/8260

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.	115
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.	98
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.	116
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.	101
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

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Federal ID #68-0140157

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CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B3-8**
Spl#: 86110 *Matrix:* SOIL
Sampled: April 22, 1995 *Run#:* 6535 *Analyzed:* May 5, 1995
Method: EPA 8240/8260

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.	115
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.	98
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.	116
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.	101
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

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CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B1-4**
Spl#: 86134 *Matrix:* SOIL
Sampled: April 22, 1995 *Run#:* 6535 *Analyzed:* May 5, 1995
Method: EPA 8240/8260

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.	115
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.	98
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.	116
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.	101
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

QC AARON 12:02:28

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B1-1**
Spl#: 86135 *Matrix:* SOIL
Sampled: April 22, 1995 *Run#:* 6535 *Analyzed:* May 5, 1995
Method: EPA 8240/8260

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.	115
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.	98
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.	116
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.	101
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

QC AARON 12:42:28

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B1-8**
Spl#: 86136 *Matrix:* SOIL
Sampled: April 22, 1995 *Run#:* 6535 *Analyzed:* May 5, 1995
Method: EPA 8240/8260

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.	115
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.	98
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.	116
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.	101
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

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Federal ID #68-0140157

QC AARON 12:42:28

CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B9-1**
Spl#: 86142 *Matrix:* SOIL
Sampled: April 22, 1995 *Run#:* 6535 *Analyzed:* May 5, 1995
Method: EPA 8240/8260

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.	115
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.	98
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.	116
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.	101
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

QC AARON 12:42:28

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CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B9-4**
Spl#: 86143 *Matrix:* SOIL
Sampled: April 22, 1995 *Run#:* 6535 *Analyzed:* May 5, 1995
Method: EPA 8240/8260

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.	115
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.	98
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.	116
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.	101
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

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CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B7-2**
Spl#: 86144 *Matrix:* SOIL
Sampled: April 22, 1995 *Run#:* 6535 *Analyzed:* May 5, 1995
Method: EPA 8240/8260

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.	115
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.	98
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.	116
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.	101
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

QC AARON 12:42:23

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CHROMALAB, INC.

Environmental Services (SDB)

May 8, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA
Atten: Rob Nelson
Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B7-4**
Spl#: 86145 *Matrix:* SOIL
Sampled: April 22, 1995 *Run#:* 6535 *Analyzed:* May 5, 1995
Method: EPA 8240/8260

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.	115
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.	98
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.	116
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.	101
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

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QC AARON 12:42:28

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for CAM 17 Metals analysis.

Sample ID: **B3-1**
Spl#: 86108 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6380 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010/7471

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	N.D.	1.0	N.D.	105
ARSENIC	6.4	1.0	N.D.	108
BARIUM	40	1.0	N.D.	107
BERYLLIUM	N.D.	0.5	N.D.	112
CADMIUM	0.6	0.5	N.D.	107
CHROMIUM	17	1.0	N.D.	91
COBALT	3.5	1.0	N.D.	108
COPPER	4.1	1.0	N.D.	109
LEAD	3.5	1.0	N.D.	106
MOLYBDENUM	N.D.	1.0	N.D.	104
NICKEL	20	1.0	N.D.	106
SELENIUM	N.D.	2.0	N.D.	106
SILVER	N.D.	1.0	N.D.	108
THALLIUM	N.D.	2.0	N.D.	109
VANADIUM	14	1.0	N.D.	113
ZINC	17	1.0	N.D.	106
MERCURY	N.D.	0.05	N.D.	97

Note: MERCURY WAS PREPED AND RUN ON 4/26/95.

Doina Danet
Chemist

John S. Labash
Inorganic Supervisor

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Federal ID #68-0140157

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for CAM 17 Metals analysis.

Sample ID: **B3-4**
Spl#: 86109 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6380 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010/7471

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	N.D.	1.0	N.D.	105
ARSENIC	5.0	1.0	N.D.	108
BARIUM	52	1.0	N.D.	107
BERYLLIUM	N.D.	0.5	N.D.	112
CADMIUM	1.4	0.5	N.D.	107
CHROMIUM	19	1.0	N.D.	91
COBALT	5.4	1.0	N.D.	108
COPPER	1.9	1.0	N.D.	109
LEAD	4.2	1.0	N.D.	106
MOLYBDENUM	N.D.	1.0	N.D.	104
NICKEL	23	1.0	N.D.	106
SELENIUM	N.D.	2.0	N.D.	106
SILVER	N.D.	1.0	N.D.	108
THALLIUM	N.D.	2.0	N.D.	109
VANADIUM	17	1.0	N.D.	113
ZINC	15	1.0	N.D.	106
MERCURY	N.D.	0.05	N.D.	97

Note: MERCURY WAS PREPED AND RUN ON 4/26/95.

Doina Danet
Chemist

John S. Labash
Inorganic Supervisor

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for CAM 17 Metals analysis.

Sample ID: **B3-8**
Spl#: 86110 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6380 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010/7471

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	N.D.	1.0	N.D.	105
ARSENIC	3.1	1.0	N.D.	108
BARIUM	39	1.0	N.D.	107
BERYLLIUM	N.D.	0.5	N.D.	112
CADMIUM	N.D.	0.5	N.D.	107
CHROMIUM	18	1.0	N.D.	91
COBALT	2.0	1.0	N.D.	108
COPPER	2.5	1.0	N.D.	109
LEAD	3.3	1.0	N.D.	106
MOLYBDENUM	N.D.	1.0	N.D.	104
NICKEL	19	1.0	N.D.	106
SELENIUM	N.D.	2.0	N.D.	106
SILVER	N.D.	1.0	N.D.	108
THALLIUM	N.D.	2.0	N.D.	109
VANADIUM	11	1.0	N.D.	113
ZINC	14	1.0	N.D.	106
MERCURY	N.D.	0.05	N.D.	97

Note: MERCURY WAS PREPED AND RUN ON 4/26/95.

Doina Danet
Chemist

John S. Labash
Inorganic Supervisor

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for CAM 17 Metals analysis.

Sample ID: **B7-2**
Spl#: 86144 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6380 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010/7471

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	N.D.	1.0	N.D.	105
ARSENIC	1.8	1.0	N.D.	108
BARIUM	33	1.0	N.D.	107
BERYLLIUM	N.D.	0.5	N.D.	112
CADMIUM	0.6	0.5	N.D.	107
CHROMIUM	7.7	1.0	N.D.	91
COBALT	1.1	1.0	N.D.	108
COPPER	2.1	1.0	N.D.	109
LEAD	1.9	1.0	N.D.	106
MOLYBDENUM	N.D.	1.0	N.D.	104
NICKEL	5.6	1.0	N.D.	106
SELENIUM	N.D.	2.0	N.D.	106
SILVER	N.D.	1.0	N.D.	108
THALLIUM	N.D.	2.0	N.D.	109
VANADIUM	7.5	1.0	N.D.	113
ZINC	7.5	1.0	N.D.	106
MERCURY	N.D.	0.05	N.D.	97

Note: MERCURY WAS PREPED AND RUN ON 4/26/95.

Doina Danet
Chemist

John S. Labash
Inorganic Supervisor

QC DOINA 05/10/95

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for CAM 17 Metals analysis.

Sample ID: **B7-4**
Spl#: 86145 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6380 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010/7471

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	N.D.	1.0	N.D.	105
ARSENIC	2.2	1.0	N.D.	108
BARIUM	58	1.0	N.D.	107
BERYLLIUM	N.D.	0.5	N.D.	112
CADMIUM	0.6	0.5	N.D.	107
CHROMIUM	20	1.0	N.D.	91
COBALT	1.4	1.0	N.D.	108
COPPER	2.8	1.0	N.D.	109
LEAD	4.1	1.0	N.D.	106
MOLYBDENUM	N.D.	1.0	N.D.	104
NICKEL	19	1.0	N.D.	106
SELENIUM	N.D.	2.0	N.D.	106
SILVER	N.D.	1.0	N.D.	108
THALLIUM	N.D.	2.0	N.D.	109
VANADIUM	13	1.0	N.D.	113
ZINC	14	1.0	N.D.	106
MERCURY	N.D.	0.05	N.D.	97

Note: MERCURY WAS PREPED AND RUN ON 4/26/95.

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for CAM 17 Metals analysis.

Sample ID: **B10-1**
Spl#: 86150 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6380 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010/7471

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	N.D.	1.0	N.D.	105
ARSENIC	3.8	1.0	N.D.	108
BARIUM	41	1.0	N.D.	107
BERYLLIUM	N.D.	0.5	N.D.	112
CADMIUM	N.D.	0.5	N.D.	107
CHROMIUM	8.9	1.0	N.D.	91
COBALT	1.8	1.0	N.D.	108
COPPER	8.8	1.0	N.D.	109
LEAD	2.2	1.0	N.D.	106
MOLYBDENUM	N.D.	1.0	N.D.	104
NICKEL	5.7	1.0	N.D.	106
SELENIUM	N.D.	2.0	N.D.	106
SILVER	N.D.	1.0	N.D.	108
THALLIUM	N.D.	2.0	N.D.	109
VANADIUM	7.5	1.0	N.D.	113
ZINC	12	1.0	N.D.	106
MERCURY	N.D.	0.05	N.D.	97

Note: MERCURY WAS PREPED AND RUN ON 4/26/95.

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for CAM 17 Metals analysis.

Sample ID: **B10-4**
Spl#: 86151 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6380 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010/7471

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	N.D.	1.0	N.D.	105
ARSENIC	8.3	1.0	N.D.	108
BARIUM	33	1.0	N.D.	107
BERYLLIUM	N.D.	0.5	N.D.	112
CADMIUM	0.7	0.5	N.D.	107
CHROMIUM	16	1.0	N.D.	91
COBALT	2.1	1.0	N.D.	108
COPPER	4.0	1.0	N.D.	109
LEAD	3.8	1.0	N.D.	106
MOLYBDENUM	N.D.	1.0	N.D.	104
NICKEL	15	1.0	N.D.	106
SELENIUM	N.D.	2.0	N.D.	106
SILVER	N.D.	1.0	N.D.	108
THALLIUM	N.D.	2.0	N.D.	109
VANADIUM	13	1.0	N.D.	113
ZINC	15	1.0	N.D.	106
MERCURY	N.D.	0.05	N.D.	97

Note: MERCURY WAS PREPED AND RUN ON 4/26/95.

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for CAM 17 Metals analysis.

Sample ID: **B10-8**
Spl#: 86152 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6380 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010/7471

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	N.D.	1.0	N.D.	105
ARSENIC	2.7	1.0	N.D.	108
BARIUM	33	1.0	N.D.	107
BERYLLIUM	N.D.	0.5	N.D.	112
CADMIUM	0.5	0.5	N.D.	107
CHROMIUM	13	1.0	N.D.	91
COBALT	3.1	1.0	N.D.	108
COPPER	9.8	1.0	N.D.	109
LEAD	3.2	1.0	N.D.	106
MOLYBDENUM	N.D.	1.0	N.D.	104
NICKEL	15	1.0	N.D.	106
SELENIUM	N.D.	2.0	N.D.	106
SILVER	N.D.	1.0	N.D.	108
THALLIUM	N.D.	2.0	N.D.	109
VANADIUM	11	1.0	N.D.	113
ZINC	16	1.0	N.D.	106
MERCURY	N.D.	0.05	N.D.	97

Note: MERCURY WAS PREPED AND RUN ON 4/26/95.

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Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for CAM 17 Metals analysis.

Sample ID: **B5-1**
Spl#: 86103 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6380 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010/7471

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	N.D.	1.0	N.D.	105
ARSENIC	2.7	1.0	N.D.	108
BARIUM	40	1.0	N.D.	107
BERYLLIUM	N.D.	0.5	N.D.	112
CADMIUM	N.D.	0.5	N.D.	107
CHROMIUM	9.4	1.0	N.D.	91
COBALT	1.3	1.0	N.D.	108
COPPER	2.9	1.0	N.D.	109
LEAD	2.6	1.0	N.D.	106
MOLYBDENUM	N.D.	1.0	N.D.	104
NICKEL	5.6	1.0	N.D.	106
SELENIUM	N.D.	2.0	N.D.	106
SILVER	N.D.	1.0	N.D.	108
THALLIUM	N.D.	2.0	N.D.	109
VANADIUM	7.6	1.0	N.D.	113
ZINC	11	1.0	N.D.	106
MERCURY	N.D.	0.05	N.D.	97

Note: MERCURY WAS PREPED AND RUN ON 4/26/95.

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for CAM 17 Metals analysis.

Sample ID: **B5-4**
Spl#: 86106 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6380 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010/7471

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	N.D.	1.0	N.D.	105
ARSENIC	4.3	1.0	N.D.	108
BARIUM	47	1.0	N.D.	107
BERYLLIUM	N.D.	0.5	N.D.	112
CADMIUM	0.8	0.5	N.D.	107
CHROMIUM	23	1.0	N.D.	91
COBALT	3.6	1.0	N.D.	108
COPPER	7.4	1.0	N.D.	109
LEAD	4.8	1.0	N.D.	106
MOLYBDENUM	N.D.	1.0	N.D.	104
NICKEL	20	1.0	N.D.	106
SELENIUM	N.D.	2.0	N.D.	106
SILVER	N.D.	1.0	N.D.	108
THALLIUM	N.D.	2.0	N.D.	109
VANADIUM	17	1.0	N.D.	113
ZINC	19	1.0	N.D.	106
MERCURY	N.D.	0.05	N.D.	97

Note: MERCURY WAS PREPED AND RUN ON 4/26/95.

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Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for CAM 17 Metals analysis.

Sample ID: **B5-8**
Spl#: 86107 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6380 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010/7471

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	N.D.	1.0	N.D.	105
ARSENIC	6.4	1.0	N.D.	108
BARIUM	120	1.0	N.D.	107
BERYLLIUM	N.D.	0.5	N.D.	112
CADMIUM	0.9	0.5	N.D.	107
CHROMIUM	10	1.0	N.D.	91
COBALT	9.9	1.0	N.D.	108
COPPER	38	1.0	N.D.	109
LEAD	15	1.0	N.D.	106
MOLYBDENUM	N.D.	1.0	N.D.	104
NICKEL	29	1.0	N.D.	106
SELENIUM	N.D.	2.0	N.D.	106
SILVER	N.D.	1.0	N.D.	108
THALLIUM	N.D.	2.0	N.D.	109
VANADIUM	18	1.0	N.D.	113
ZINC	47	1.0	N.D.	106
MERCURY	N.D.	0.05	N.D.	97

Note: MERCURY WAS PREPED AND RUN ON 4/26/95.

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: B8-1
Spl#: 86148 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6395 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	N.D.	0.5	N.D.	106
CHROMIUM	12	1.0	N.D.	107
COPPER	43	1.0	N.D.	107
LEAD	740	1.0	N.D.	108
NICKEL	8.8	1.0	N.D.	106
ZINC	500	1.0	N.D.	106

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B8-4**
Spl#: 86149 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6395 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	1.2	0.5	N.D.	106
CHROMIUM	26	1.0	N.D.	107
COPPER	13	1.0	N.D.	107
LEAD	18	1.0	N.D.	108
NICKEL	29	1.0	N.D.	106
ZINC	29	1.0	N.D.	106

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John S. Labash
Inorganic Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B4-1**
Spl#: 86111 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6395 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	N.D.	0.5	N.D.	106
CHROMIUM	16	1.0	N.D.	107
COPPER	28	1.0	N.D.	107
LEAD	2.8	1.0	N.D.	108
NICKEL	11	1.0	N.D.	106
ZINC	29	1.0	N.D.	106

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B4-4**
Spl#: 86112 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6395 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	1.1	0.5	N.D.	106
CHROMIUM	26	1.0	N.D.	107
COPPER	9.7	1.0	N.D.	107
LEAD	5.9	1.0	N.D.	108
NICKEL	24	1.0	N.D.	106
ZINC	22	1.0	N.D.	106

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B4-8**
Spl#: 86113 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6395 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	0.8	0.5	N.D.	106
CHROMIUM	15	1.0	N.D.	107
COPPER	5.4	1.0	N.D.	107
LEAD	3.4	1.0	N.D.	108
NICKEL	24	1.0	N.D.	106
ZINC	20	1.0	N.D.	106

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Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B2-1**
Spl#: 86115 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6395 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	0.7	0.5	N.D.	106
CHROMIUM	11	1.0	N.D.	107
COPPER	2.7	1.0	N.D.	107
LEAD	2.5	1.0	N.D.	108
NICKEL	7.0	1.0	N.D.	106
ZINC	12	1.0	N.D.	106

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QC:DOINA 05/15/95

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Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B2-4**
Spl#: 86117 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6395 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	0.9	0.5	N.D.	106
CHROMIUM	23	1.0	N.D.	107
COPPER	29	1.0	N.D.	107
LEAD	4.7	1.0	N.D.	108
NICKEL	20	1.0	N.D.	106
ZINC	33	1.0	N.D.	106

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Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B2-8**
Spl#: 86121 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6395 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	0.9	0.5	N.D.	106
CHROMIUM	22	1.0	N.D.	107
COPPER	31	1.0	N.D.	107
LEAD	4.2	1.0	N.D.	108
NICKEL	25	1.0	N.D.	106
ZINC	32	1.0	N.D.	106

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B6-1**
Spl#: 86131 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6395 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	N.D.	0.5	N.D.	106
CHROMIUM	13	1.0	N.D.	107
COPPER	13	1.0	N.D.	107
LEAD	2.6	1.0	N.D.	108
NICKEL	8.0	1.0	N.D.	106
ZINC	16	1.0	N.D.	106

Doina Danet
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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B6-4**
Spl#: 86132 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6395 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	1.1	0.5	N.D.	106
CHROMIUM	19	1.0	N.D.	107
COPPER	2.7	1.0	N.D.	107
LEAD	5.5	1.0	N.D.	108
NICKEL	26	1.0	N.D.	106
ZINC	20	1.0	N.D.	106

Doina Danet
Chemist

John S. Labash
Inorganic Supervisor

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Federal ID #68-0140157

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B6-8**
Spl#: 86133 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6395 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	0.5	0.5	N.D.	106
CHROMIUM	14	1.0	N.D.	107
COPPER	1.6	1.0	N.D.	107
LEAD	2.9	1.0	N.D.	108
NICKEL	18	1.0	N.D.	106
ZINC	14	1.0	N.D.	106

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B1-1**
Spl#: 86135 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6395 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	N.D.	0.5	N.D.	106
CHROMIUM	12	1.0	N.D.	107
COPPER	1.9	1.0	N.D.	107
LEAD	2.4	1.0	N.D.	108
NICKEL	6.8	1.0	N.D.	106
ZINC	8.9	1.0	N.D.	106

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QC DOINA 05/03/95

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B1-4**
Spl#: 86134 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6395 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	0.7	0.5	N.D.	106
CHROMIUM	26	1.0	N.D.	107
COPPER	2.8	1.0	N.D.	107
LEAD	4.4	1.0	N.D.	108
NICKEL	26	1.0	N.D.	106
ZINC	18	1.0	N.D.	106

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B1-8**
Spl#: 86136 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6395 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	0.8	0.5	N.D.	106
CHROMIUM	21	1.0	N.D.	107
COPPER	16	1.0	N.D.	107
LEAD	3.3	1.0	N.D.	108
NICKEL	23	1.0	N.D.	106
ZINC	24	1.0	N.D.	106

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B9-1**
Spl#: 86142 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6395 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	1.7	0.5	N.D.	106
CHROMIUM	15	1.0	N.D.	107
COPPER	61	1.0	N.D.	107
LEAD	550	1.0	N.D.	108
NICKEL	15	1.0	N.D.	106
ZINC	250	1.0	N.D.	106

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CHROMALAB, INC.

Environmental Services (SDB)

May 4, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Metals analysis.

Sample ID: **B9-4**
Spl#: 86143 *Matrix:* SOIL *Extracted:* April 26, 1995
Sampled: April 22, 1995 *Run#:* 6395 *Analyzed:* May 3, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	0.8	0.5	N.D.	106
CHROMIUM	27	1.0	N.D.	107
COPPER	7.2	1.0	N.D.	107
LEAD	5.1	1.0	N.D.	108
NICKEL	23	1.0	N.D.	106
ZINC	20	1.0	N.D.	106

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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B5-1**
Spl#: 86103 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 28, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.05	N.D.	--
2-CHLOROPHENOL	N.D.	0.05	N.D.	69
1,3-DICHLOROBENZENE	N.D.	0.05	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.05	N.D.	--
BENZYL ALCOHOL	N.D.	0.05	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.05	N.D.	--
2-METHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	N.D.	--
4-METHYLPHENOL	N.D.	0.05	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	N.D.	70
HEXACHLOROETHANE	N.D.	0.05	N.D.	--
NITROBENZENE	N.D.	0.05	N.D.	--
ISOPHORONE	N.D.	0.05	N.D.	--
2-NITROPHENOL	N.D.	0.05	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.05	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.05	N.D.	74
NAPHTHALENE	N.D.	0.05	N.D.	--
4-CHLOROANILINE	N.D.	0.05	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.05	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	N.D.	49
2-METHYLNAPHTHALENE	N.D.	0.05	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.05	N.D.	--
2-NITROANILINE	N.D.	0.05	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.05	N.D.	--
ACENAPHTHYLENE	N.D.	0.05	N.D.	--
3-NITROANILINE	N.D.	0.05	N.D.	--
ACENAPHTHENE	N.D.	0.05	N.D.	75
2,4-DINITROPHENOL	N.D.	0.25	N.D.	--
4-NITROPHENOL	N.D.	0.05	N.D.	--
DIBENZOFURAN	N.D.	0.05	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.05	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.05	N.D.	--
DIETHYL PHTHALATE	N.D.	0.05	N.D.	--

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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
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ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B5-1**
Spl#: 86103 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 28, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
FLUORENE	N.D.	0.05	N.D.	--
4-NITROANILINE	N.D.	0.05	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.05	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
HEXACHLOROBENZENE	N.D.	0.05	N.D.	--
PENTACHLOROPHENOL	N.D.	0.25	N.D.	50
PHENATHRENE	N.D.	0.05	N.D.	--
ANTHRACENE	N.D.	0.05	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	0.05	N.D.	--
FLUORANTHENE	N.D.	0.05	N.D.	--
PYRENE	N.D.	0.05	N.D.	61
BUTYL BENZYL PHTHALATE	N.D.	0.05	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.10	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.05	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	N.D.	--
CHRYSENE	N.D.	0.05	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.05	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(A)PYRENE	N.D.	0.05	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.05	N.D.	--
BENZO(G,H,I)PERYLENE	N.D.	0.05	N.D.	--
BENZOIC ACID	N.D.	0.05	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B5-4**
Spl#: 86106 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 28, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.05	N.D.	--
2-CHLOROPHENOL	N.D.	0.05	N.D.	69
1,3-DICHLOROBENZENE	N.D.	0.05	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.05	N.D.	--
BENZYL ALCOHOL	N.D.	0.05	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.05	N.D.	--
2-METHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	N.D.	--
4-METHYLPHENOL	N.D.	0.05	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	N.D.	70
HEXACHLOROETHANE	N.D.	0.05	N.D.	--
NITROBENZENE	N.D.	0.05	N.D.	--
ISOPHORONE	N.D.	0.05	N.D.	--
2-NITROPHENOL	N.D.	0.05	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.05	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.05	N.D.	74
NAPHTHALENE	N.D.	0.05	N.D.	--
4-CHLOROANILINE	N.D.	0.05	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.05	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	N.D.	49
2-METHYLNAPHTHALENE	N.D.	0.05	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.05	N.D.	--
2-NITROANILINE	N.D.	0.05	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.05	N.D.	--
ACENAPHTHYLENE	N.D.	0.05	N.D.	--
3-NITROANILINE	N.D.	0.05	N.D.	--
ACENAPHTHENE	N.D.	0.05	N.D.	75
2,4-DINITROPHENOL	N.D.	0.25	N.D.	--
4-NITROPHENOL	N.D.	0.05	N.D.	--
DIBENZOFURAN	N.D.	0.05	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.05	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.05	N.D.	--
DIETHYL PHTHALATE	N.D.	0.05	N.D.	--

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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B5-4**
Spl#: 86106 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 28, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
FLUORENE	N.D.	0.05	N.D.	--
4-NITROANILINE	N.D.	0.05	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.05	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
HEXACHLOROBENZENE	N.D.	0.05	N.D.	--
PENTACHLOROPHENOL	N.D.	0.25	N.D.	50
PHENATHRENE	N.D.	0.05	N.D.	--
ANTHRACENE	N.D.	0.05	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	0.05	N.D.	--
FLUORANTHENE	N.D.	0.05	N.D.	--
PYRENE	N.D.	0.05	N.D.	61
BUTYL BENZYL PHTHALATE	N.D.	0.05	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.10	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.05	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	N.D.	--
CHRYSENE	N.D.	0.05	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.05	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(A)PYRENE	N.D.	0.05	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.05	N.D.	--
BENZO(G,H,I)PERYLENE	N.D.	0.05	N.D.	--
BENZOIC ACID	N.D.	0.05	N.D.	--

Alex Tam
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Ali Kharrazi
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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B5-8**
Spl#: 86107 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 28, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.05	N.D.	--
2-CHLOROPHENOL	N.D.	0.05	N.D.	69
1,3-DICHLOROBENZENE	N.D.	0.05	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.05	N.D.	--
BENZYL ALCOHOL	N.D.	0.05	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.05	N.D.	--
2-METHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	N.D.	--
4-METHYLPHENOL	N.D.	0.05	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	N.D.	70
HEXACHLOROETHANE	N.D.	0.05	N.D.	--
NITROBENZENE	N.D.	0.05	N.D.	--
ISOPHORONE	N.D.	0.05	N.D.	--
2-NITROPHENOL	N.D.	0.05	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.05	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.05	N.D.	74
NAPHTHALENE	N.D.	0.05	N.D.	--
4-CHLOROANILINE	N.D.	0.05	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.05	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	N.D.	49
2-METHYLNAPHTHALENE	N.D.	0.05	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.05	N.D.	--
2-NITROANILINE	N.D.	0.05	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.05	N.D.	--
ACENAPHTHYLENE	N.D.	0.05	N.D.	--
3-NITROANILINE	N.D.	0.05	N.D.	--
ACENAPHTHENE	N.D.	0.05	N.D.	75
2,4-DINITROPHENOL	N.D.	0.25	N.D.	--
4-NITROPHENOL	N.D.	0.05	N.D.	--
DIBENZOFURAN	N.D.	0.05	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.05	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.05	N.D.	--
DIETHYL PHTHALATE	N.D.	0.05	N.D.	--

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
page 2

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B5-8**
Spl#: 86107 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 28, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
FLUORENE	N.D.	0.05	N.D.	--
4-NITROANILINE	N.D.	0.05	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.05	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
HEXACHLOROBENZENE	N.D.	0.05	N.D.	--
PENTACHLOROPHENOL	N.D.	0.25	N.D.	50
PHENATHRENE	N.D.	0.05	N.D.	--
ANTHRACENE	N.D.	0.05	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	0.05	N.D.	--
FLUORANTHENE	N.D.	0.05	N.D.	--
PYRENE	N.D.	0.05	N.D.	61
BUTYL BENZYL PHTHALATE	N.D.	0.05	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.10	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.05	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	N.D.	--
CHRYSENE	N.D.	0.05	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.05	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(A)PYRENE	N.D.	0.05	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.05	N.D.	--
BENZO(G,H,I)PERYLENE	N.D.	0.05	N.D.	--
BENZOIC ACID	N.D.	0.05	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B3-1**
Spl#: 86108 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 27, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.05	N.D.	--
2-CHLOROPHENOL	N.D.	0.05	N.D.	69
1,3-DICHLOROBENZENE	N.D.	0.05	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.05	N.D.	--
BENZYL ALCOHOL	N.D.	0.05	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.05	N.D.	--
2-METHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	N.D.	--
4-METHYLPHENOL	N.D.	0.05	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	N.D.	70
HEXACHLOROETHANE	N.D.	0.05	N.D.	--
NITROBENZENE	N.D.	0.05	N.D.	--
ISOPHORONE	N.D.	0.05	N.D.	--
2-NITROPHENOL	N.D.	0.05	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.05	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.05	N.D.	74
NAPHTHALENE	N.D.	0.05	N.D.	--
4-CHLOROANILINE	N.D.	0.05	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.05	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	N.D.	49
2-METHYLNAPHTHALENE	N.D.	0.05	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.05	N.D.	--
2-NITROANILINE	N.D.	0.05	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.05	N.D.	--
ACENAPHTHYLENE	N.D.	0.05	N.D.	--
3-NITROANILINE	N.D.	0.05	N.D.	--
ACENAPHTHENE	N.D.	0.05	N.D.	75
2,4-DINITROPHENOL	N.D.	0.25	N.D.	--
4-NITROPHENOL	N.D.	0.05	N.D.	--
DIBENZOFURAN	N.D.	0.05	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.05	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.05	N.D.	--
DIETHYL PHTHALATE	N.D.	0.05	N.D.	--

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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
page 2

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B3-1**
Spl#: 86108 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 27, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
FLUORENE	N.D.	0.05	N.D.	--
4-NITROANILINE	N.D.	0.05	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.05	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
HEXACHLOROBENZENE	N.D.	0.05	N.D.	--
PENTACHLOROPHENOL	N.D.	0.25	N.D.	50
PHENATHRENE	N.D.	0.05	N.D.	--
ANTHRACENE	N.D.	0.05	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	0.05	N.D.	--
FLUORANTHENE	N.D.	0.05	N.D.	--
PYRENE	N.D.	0.05	N.D.	61
BUTYL BENZYL PHTHALATE	N.D.	0.05	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.10	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.05	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	N.D.	--
CHRYSENE	N.D.	0.05	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.05	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(A)PYRENE	N.D.	0.05	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.05	N.D.	--
BENZO(G,H,I)PERYLENE	N.D.	0.05	N.D.	--
BENZOIC ACID	N.D.	0.05	N.D.	--

Alex Tam
Chemist

Ali Kharfazi
Organic Manager

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B3-4**
Spl#: 86109 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 27, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.05	N.D.	--
2-CHLOROPHENOL	N.D.	0.05	N.D.	69
1,3-DICHLOROBENZENE	N.D.	0.05	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.05	N.D.	--
BENZYL ALCOHOL	N.D.	0.05	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.05	N.D.	--
2-METHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	N.D.	--
4-METHYLPHENOL	N.D.	0.05	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	N.D.	70
HEXACHLOROETHANE	N.D.	0.05	N.D.	--
NITROBENZENE	N.D.	0.05	N.D.	--
ISOPHORONE	N.D.	0.05	N.D.	--
2-NITROPHENOL	N.D.	0.05	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.05	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.05	N.D.	74
NAPHTHALENE	N.D.	0.05	N.D.	--
4-CHLOROANILINE	N.D.	0.05	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.05	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	N.D.	49
2-METHYLNAPHTHALENE	N.D.	0.05	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.05	N.D.	--
2-NITROANILINE	N.D.	0.05	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.05	N.D.	--
ACENAPHTHYLENE	N.D.	0.05	N.D.	--
3-NITROANILINE	N.D.	0.05	N.D.	--
ACENAPHTHENE	N.D.	0.05	N.D.	75
2,4-DINITROPHENOL	N.D.	0.25	N.D.	--
4-NITROPHENOL	N.D.	0.05	N.D.	--
DIBENZOFURAN	N.D.	0.05	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.05	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.05	N.D.	--
DIETHYL PHTHALATE	N.D.	0.05	N.D.	--

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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
page 2

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B3-4**
Spl#: 86109 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 27, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
FLUORENE	N.D.	0.05	N.D.	--
4-NITROANILINE	N.D.	0.05	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.05	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
HEXACHLOROBENZENE	N.D.	0.05	N.D.	--
PENTACHLOROPHENOL	N.D.	0.25	N.D.	50
PHENATHRENE	N.D.	0.05	N.D.	--
ANTHRACENE	N.D.	0.05	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	0.05	N.D.	--
FLUORANTHENE	N.D.	0.05	N.D.	--
PYRENE	N.D.	0.05	N.D.	61
BUTYL BENZYL PHTHALATE	N.D.	0.05	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.10	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.05	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	N.D.	--
CHRYSENE	N.D.	0.05	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.05	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(A)PYRENE	N.D.	0.05	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.05	N.D.	--
BENZO(G,H,I)PERYLENE	N.D.	0.05	N.D.	--
BENZOIC ACID	N.D.	0.05	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B3-8**
Spl#: 86110 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 27, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.05	N.D.	--
2-CHLOROPHENOL	N.D.	0.05	N.D.	69
1,3-DICHLOROBENZENE	N.D.	0.05	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.05	N.D.	--
BENZYL ALCOHOL	N.D.	0.05	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.05	N.D.	--
2-METHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	N.D.	--
4-METHYLPHENOL	N.D.	0.05	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	N.D.	70
HEXACHLOROETHANE	N.D.	0.05	N.D.	--
NITROBENZENE	N.D.	0.05	N.D.	--
ISOPHORONE	N.D.	0.05	N.D.	--
2-NITROPHENOL	N.D.	0.05	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.05	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.05	N.D.	74
NAPHTHALENE	N.D.	0.05	N.D.	--
4-CHLOROANILINE	N.D.	0.05	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.05	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	N.D.	49
2-METHYLNAPHTHALENE	N.D.	0.05	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.05	N.D.	--
2-NITROANILINE	N.D.	0.05	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.05	N.D.	--
ACENAPHTHYLENE	N.D.	0.05	N.D.	--
3-NITROANILINE	N.D.	0.05	N.D.	--
ACENAPHTHENE	N.D.	0.05	N.D.	75
2,4-DINITROPHENOL	N.D.	0.25	N.D.	--
4-NITROPHENOL	N.D.	0.05	N.D.	--
DIBENZOFURAN	N.D.	0.05	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.05	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.05	N.D.	--
DIETHYL PHTHALATE	N.D.	0.05	N.D.	--

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Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
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ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B3-8**
Spl#: 86110 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 27, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
FLUORENE	N.D.	0.05	N.D.	--
4-NITROANILINE	N.D.	0.05	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.05	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
HEXACHLOROBENZENE	N.D.	0.05	N.D.	--
PENTACHLOROPHENOL	N.D.	0.25	N.D.	50
PHENATHRENE	N.D.	0.05	N.D.	--
ANTHRACENE	N.D.	0.05	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	0.05	N.D.	--
FLUORANTHENE	N.D.	0.05	N.D.	--
PYRENE	N.D.	0.05	N.D.	61
BUTYL BENZYL PHTHALATE	N.D.	0.05	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.10	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.05	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	N.D.	--
CHRYSENE	N.D.	0.05	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.05	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(A)PYRENE	N.D.	0.05	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.05	N.D.	--
BENZO(G,H,I)PERYLENE	N.D.	0.05	N.D.	--
BENZOIC ACID	N.D.	0.05	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

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Federal ID #68-0140157

9C

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B6-1**
Spl#: 86131 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 27, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.05	N.D.	--
2-CHLOROPHENOL	N.D.	0.05	N.D.	69
1,3-DICHLOROBENZENE	N.D.	0.05	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.05	N.D.	--
BENZYL ALCOHOL	N.D.	0.05	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.05	N.D.	--
2-METHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	N.D.	--
4-METHYLPHENOL	N.D.	0.05	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	N.D.	70
HEXACHLOROETHANE	N.D.	0.05	N.D.	--
NITROBENZENE	N.D.	0.05	N.D.	--
ISOPHORONE	N.D.	0.05	N.D.	--
2-NITROPHENOL	N.D.	0.05	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.05	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.05	N.D.	74
NAPHTHALENE	N.D.	0.05	N.D.	--
4-CHLOROANILINE	N.D.	0.05	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.05	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	N.D.	49
2-METHYLNAPHTHALENE	N.D.	0.05	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.05	N.D.	--
2-NITROANILINE	N.D.	0.05	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.05	N.D.	--
ACENAPHTHYLENE	N.D.	0.05	N.D.	--
3-NITROANILINE	N.D.	0.05	N.D.	--
ACENAPHTHENE	N.D.	0.05	N.D.	75
2,4-DINITROPHENOL	N.D.	0.25	N.D.	--
4-NITROPHENOL	N.D.	0.05	N.D.	--
DIBENZOFURAN	N.D.	0.05	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.05	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.05	N.D.	--
DIETHYL PHTHALATE	N.D.	0.05	N.D.	--

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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
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ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B6-1**
Spl#: 86131 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 27, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
FLUORENE	N.D.	0.05	N.D.	--
4-NITROANILINE	N.D.	0.05	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.05	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
HEXACHLOROBENZENE	N.D.	0.05	N.D.	--
PENTACHLOROPHENOL	N.D.	0.25	N.D.	50
PHENATHRENE	N.D.	0.05	N.D.	--
ANTHRACENE	N.D.	0.05	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	0.05	N.D.	--
FLUORANTHENE	N.D.	0.05	N.D.	--
PYRENE	N.D.	0.05	N.D.	61
BUTYL BENZYL PHTHALATE	N.D.	0.05	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.10	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.05	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	N.D.	--
CHRYSENE	N.D.	0.05	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.05	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(A)PYRENE	N.D.	0.05	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.05	N.D.	--
BENZO(G,H,I)PERYLENE	N.D.	0.05	N.D.	--
BENZOIC ACID	N.D.	0.05	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B6-4**
Spl#: 86132 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 27, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.05	N.D.	--
2-CHLOROPHENOL	N.D.	0.05	N.D.	69
1,3-DICHLOROBENZENE	N.D.	0.05	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.05	N.D.	--
BENZYL ALCOHOL	N.D.	0.05	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.05	N.D.	--
2-METHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	N.D.	--
4-METHYLPHENOL	N.D.	0.05	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	N.D.	70
HEXACHLOROETHANE	N.D.	0.05	N.D.	--
NITROBENZENE	N.D.	0.05	N.D.	--
ISOPHORONE	N.D.	0.05	N.D.	--
2-NITROPHENOL	N.D.	0.05	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.05	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.05	N.D.	74
NAPHTHALENE	N.D.	0.05	N.D.	--
4-CHLOROANILINE	N.D.	0.05	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.05	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	N.D.	49
2-METHYLNAPHTHALENE	N.D.	0.05	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.05	N.D.	--
2-NITROANILINE	N.D.	0.05	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.05	N.D.	--
ACENAPHTHYLENE	N.D.	0.05	N.D.	--
3-NITROANILINE	N.D.	0.05	N.D.	--
ACENAPHTHENE	N.D.	0.05	N.D.	75
2,4-DINITROPHENOL	N.D.	0.25	N.D.	--
4-NITROPHENOL	N.D.	0.05	N.D.	--
DIBENZOFURAN	N.D.	0.05	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.05	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.05	N.D.	--
DIETHYL PHTHALATE	N.D.	0.05	N.D.	--

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
page 2

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B6-4**
Spl#: 86132 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 27, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
FLUORENE	N.D.	0.05	N.D.	--
4-NITROANILINE	N.D.	0.05	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.05	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
HEXACHLOROBENZENE	N.D.	0.05	N.D.	--
PENTACHLOROPHENOL	N.D.	0.25	N.D.	50
PHENATHRENE	N.D.	0.05	N.D.	--
ANTHRACENE	N.D.	0.05	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	0.05	N.D.	--
FLUORANTHENE	N.D.	0.05	N.D.	--
PYRENE	N.D.	0.05	N.D.	61
BUTYL BENZYL PHTHALATE	N.D.	0.05	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.10	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.05	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	N.D.	--
CHRYSENE	N.D.	0.05	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.05	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(A)PYRENE	N.D.	0.05	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.05	N.D.	--
BENZO(G,H,I)PERYLENE	N.D.	0.05	N.D.	--
BENZOIC ACID	N.D.	0.05	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B6-8**
Spl#: 86133 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 28, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.05	N.D.	--
2-CHLOROPHENOL	N.D.	0.05	N.D.	69
1,3-DICHLOROBENZENE	N.D.	0.05	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.05	N.D.	--
BENZYL ALCOHOL	N.D.	0.05	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.05	N.D.	--
2-METHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	N.D.	--
4-METHYLPHENOL	N.D.	0.05	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	N.D.	70
HEXACHLOROETHANE	N.D.	0.05	N.D.	--
NITROBENZENE	N.D.	0.05	N.D.	--
ISOPHORONE	N.D.	0.05	N.D.	--
2-NITROPHENOL	N.D.	0.05	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.05	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.05	N.D.	74
NAPHTHALENE	N.D.	0.05	N.D.	--
4-CHLOROANILINE	N.D.	0.05	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.05	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	N.D.	49
2-METHYLNAPHTHALENE	N.D.	0.05	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.05	N.D.	--
2-NITROANILINE	N.D.	0.05	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.05	N.D.	--
ACENAPHTHYLENE	N.D.	0.05	N.D.	--
3-NITROANILINE	N.D.	0.05	N.D.	--
ACENAPHTHENE	N.D.	0.05	N.D.	75
2,4-DINITROPHENOL	N.D.	0.25	N.D.	--
4-NITROPHENOL	N.D.	0.05	N.D.	--
DIBENZOFURAN	N.D.	0.05	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.05	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.05	N.D.	--
DIETHYL PHTHALATE	N.D.	0.05	N.D.	--

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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
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ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B6-8**
Spl#: 86133 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 28, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
FLUORENE	N.D.	0.05	N.D.	--
4-NITROANILINE	N.D.	0.05	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.05	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
HEXACHLOROBENZENE	N.D.	0.05	N.D.	--
PENTACHLOROPHENOL	N.D.	0.25	N.D.	50
PHENATHRENE	N.D.	0.05	N.D.	--
ANTHRACENE	N.D.	0.05	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	0.05	N.D.	--
FLUORANTHENE	N.D.	0.05	N.D.	--
PYRENE	N.D.	0.05	N.D.	61
BUTYL BENZYL PHTHALATE	N.D.	0.05	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.10	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.05	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	N.D.	--
CHRYSENE	N.D.	0.05	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.05	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(A)PYRENE	N.D.	0.05	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.05	N.D.	--
BENZO(G,H,I)PERYLENE	N.D.	0.05	N.D.	--
BENZOIC ACID	N.D.	0.05	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

OCtest V7 16:48:17

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B7-2**
Spl#: 86144 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 28, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.05	N.D.	--
2-CHLOROPHENOL	N.D.	0.05	N.D.	69
1,3-DICHLOROBENZENE	N.D.	0.05	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.05	N.D.	--
BENZYL ALCOHOL	N.D.	0.05	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.05	N.D.	--
2-METHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	N.D.	--
4-METHYLPHENOL	N.D.	0.05	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	N.D.	70
HEXACHLOROETHANE	N.D.	0.05	N.D.	--
NITROBENZENE	N.D.	0.05	N.D.	--
ISOPHORONE	N.D.	0.05	N.D.	--
2-NITROPHENOL	N.D.	0.05	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.05	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.05	N.D.	74
NAPHTHALENE	N.D.	0.05	N.D.	--
4-CHLOROANILINE	N.D.	0.05	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.05	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	N.D.	49
2-METHYLNAPHTHALENE	N.D.	0.05	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.05	N.D.	--
2-NITROANILINE	N.D.	0.05	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.05	N.D.	--
ACENAPHTHYLENE	N.D.	0.05	N.D.	--
3-NITROANILINE	N.D.	0.05	N.D.	--
ACENAPHTHENE	N.D.	0.05	N.D.	75
2,4-DINITROPHENOL	N.D.	0.25	N.D.	--
4-NITROPHENOL	N.D.	0.05	N.D.	--
DIBENZOFURAN	N.D.	0.05	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.05	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.05	N.D.	--
DIETHYL PHTHALATE	N.D.	0.05	N.D.	--

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

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B7-2**
Spl#: 86144 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 28, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
FLUORENE	N.D.	0.05	N.D.	--
4-NITROANILINE	N.D.	0.05	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.05	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
HEXACHLOROBENZENE	N.D.	0.05	N.D.	--
PENTACHLOROPHENOL	N.D.	0.25	N.D.	50
PHENATHRENE	N.D.	0.05	N.D.	--
ANTHRACENE	N.D.	0.05	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	0.05	N.D.	--
FLUORANTHENE	N.D.	0.05	N.D.	--
PYRENE	N.D.	0.05	N.D.	61
BUTYL BENZYL PHTHALATE	N.D.	0.05	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.10	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.05	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	N.D.	--
CHRYSENE	N.D.	0.05	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.05	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(A)PYRENE	N.D.	0.05	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.05	N.D.	--
BENZO(G,H,I)PERYLENE	N.D.	0.05	N.D.	--
BENZOIC ACID	N.D.	0.05	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

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(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B7-4**
Spl#: 86145 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 28, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.05	N.D.	--
2-CHLOROPHENOL	N.D.	0.05	N.D.	69
1,3-DICHLOROBENZENE	N.D.	0.05	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.05	N.D.	--
BENZYL ALCOHOL	N.D.	0.05	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.05	N.D.	--
2-METHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	N.D.	--
4-METHYLPHENOL	N.D.	0.05	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	N.D.	70
HEXACHLOROETHANE	N.D.	0.05	N.D.	--
NITROBENZENE	N.D.	0.05	N.D.	--
ISOPHORONE	N.D.	0.05	N.D.	--
2-NITROPHENOL	N.D.	0.05	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.05	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.05	N.D.	74
NAPHTHALENE	N.D.	0.05	N.D.	--
4-CHLOROANILINE	N.D.	0.05	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.05	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	N.D.	49
2-METHYLNAPHTHALENE	N.D.	0.05	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.05	N.D.	--
2-NITROANILINE	N.D.	0.05	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.05	N.D.	--
ACENAPHTHYLENE	N.D.	0.05	N.D.	--
3-NITROANILINE	N.D.	0.05	N.D.	--
ACENAPHTHENE	N.D.	0.05	N.D.	75
2,4-DINITROPHENOL	N.D.	0.25	N.D.	--
4-NITROPHENOL	N.D.	0.05	N.D.	--
DIBENZOFURAN	N.D.	0.05	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.05	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.05	N.D.	--
DIETHYL PHTHALATE	N.D.	0.05	N.D.	--

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
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ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B7-4**
Spl#: 86145 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 28, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
FLUORENE	N.D.	0.05	N.D.	--
4-NITROANILINE	N.D.	0.05	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.05	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
HEXACHLOROBENZENE	N.D.	0.05	N.D.	--
PENTACHLOROPHENOL	N.D.	0.25	N.D.	50
PHENATHRENE	N.D.	0.05	N.D.	--
ANTHRACENE	N.D.	0.05	N.D.	--
DI-N-BUTYL PHTHALATE	0.32	0.05	N.D.	--
FLUORANTHENE	N.D.	0.05	N.D.	--
PYRENE	N.D.	0.05	N.D.	61
BUTYL BENZYL PHTHALATE	N.D.	0.05	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.10	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.05	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	N.D.	--
CHRYSENE	N.D.	0.05	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.05	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(A)PYRENE	N.D.	0.05	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.05	N.D.	--
BENZO(G,H,I)PERYLENE	N.D.	0.05	N.D.	--
BENZOIC ACID	N.D.	0.05	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B8-1**
Spl#: 86148 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 28, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.05	N.D.	--
2-CHLOROPHENOL	N.D.	0.05	N.D.	69
1,3-DICHLOROBENZENE	N.D.	0.05	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.05	N.D.	--
BENZYL ALCOHOL	N.D.	0.05	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.05	N.D.	--
2-METHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	N.D.	--
4-METHYLPHENOL	N.D.	0.05	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	N.D.	70
HEXACHLOROETHANE	N.D.	0.05	N.D.	--
NITROBENZENE	N.D.	0.05	N.D.	--
ISOPHORONE	N.D.	0.05	N.D.	--
2-NITROPHENOL	N.D.	0.05	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.05	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.05	N.D.	74
NAPHTHALENE	N.D.	0.05	N.D.	--
4-CHLOROANILINE	N.D.	0.05	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.05	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	N.D.	49
2-METHYLNAPHTHALENE	N.D.	0.05	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.05	N.D.	--
2-NITROANILINE	N.D.	0.05	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.05	N.D.	--
ACENAPHTHYLENE	N.D.	0.05	N.D.	--
3-NITROANILINE	N.D.	0.05	N.D.	--
ACENAPHTHENE	N.D.	0.05	N.D.	75
2,4-DINITROPHENOL	N.D.	0.25	N.D.	--
4-NITROPHENOL	N.D.	0.05	N.D.	--
DIBENZOFURAN	N.D.	0.05	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.05	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.05	N.D.	--
DIETHYL PHTHALATE	N.D.	0.05	N.D.	--

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B8-1**
Spl#: 86148 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 28, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
FLUORENE	N.D.	0.05	N.D.	--
4-NITROANILINE	N.D.	0.05	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.05	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
HEXACHLOROBENZENE	N.D.	0.05	N.D.	--
PENTACHLOROPHENOL	N.D.	0.25	N.D.	50
PHENATHRENE	N.D.	0.05	N.D.	--
ANTHRACENE	N.D.	0.05	N.D.	--
DI-N-BUTYL PHTHALATE	0.56	0.05	N.D.	--
FLUORANTHENE	N.D.	0.05	N.D.	--
PYRENE	N.D.	0.05	N.D.	61
BUTYL BENZYL PHTHALATE	N.D.	0.05	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.10	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.05	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	N.D.	--
CHRYSENE	N.D.	0.05	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.05	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(A)PYRENE	N.D.	0.05	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.05	N.D.	--
BENZO(G,H,I)PERYLENE	N.D.	0.05	N.D.	--
BENZOIC ACID	N.D.	0.05	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B8-4**
Spl#: 86149 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 27, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.05	N.D.	--
2-CHLOROPHENOL	N.D.	0.05	N.D.	69
1,3-DICHLOROBENZENE	N.D.	0.05	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.05	N.D.	--
BENZYL ALCOHOL	N.D.	0.05	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.05	N.D.	--
2-METHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	N.D.	--
4-METHYLPHENOL	N.D.	0.05	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	N.D.	70
HEXACHLOROETHANE	N.D.	0.05	N.D.	--
NITROBENZENE	N.D.	0.05	N.D.	--
ISOPHORONE	N.D.	0.05	N.D.	--
2-NITROPHENOL	N.D.	0.05	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.05	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.05	N.D.	74
NAPHTHALENE	N.D.	0.05	N.D.	--
4-CHLOROANILINE	N.D.	0.05	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.05	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	N.D.	49
2-METHYLNAPHTHALENE	N.D.	0.05	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.05	N.D.	--
2-NITROANILINE	N.D.	0.05	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.05	N.D.	--
ACENAPHTHYLENE	N.D.	0.05	N.D.	--
3-NITROANILINE	N.D.	0.05	N.D.	--
ACENAPHTHENE	N.D.	0.05	N.D.	75
2,4-DINITROPHENOL	N.D.	0.25	N.D.	--
4-NITROPHENOL	N.D.	0.05	N.D.	--
DIBENZOFURAN	N.D.	0.05	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.05	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.05	N.D.	--
DIETHYL PHTHALATE	N.D.	0.05	N.D.	--

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QCtest YT 16:48:17

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
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ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B8-4**
Spl#: 86149 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 27, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
FLUORENE	N.D.	0.05	N.D.	--
4-NITROANILINE	N.D.	0.05	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.05	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
HEXACHLOROBENZENE	N.D.	0.05	N.D.	--
PENTACHLOROPHENOL	N.D.	0.25	N.D.	50
PHENATHRENE	N.D.	0.05	N.D.	--
ANTHRACENE	N.D.	0.05	N.D.	--
DI-N-BUTYL PHTHALATE	1.0	0.05	N.D.	--
FLUORANTHENE	N.D.	0.05	N.D.	--
PYRENE	N.D.	0.05	N.D.	61
BUTYL BENZYL PHTHALATE	N.D.	0.05	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.10	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.05	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	N.D.	--
CHRYSENE	N.D.	0.05	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.05	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(A)PYRENE	N.D.	0.05	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.05	N.D.	--
BENZO(G,H,I)PERYLENE	N.D.	0.05	N.D.	--
BENZOIC ACID	N.D.	0.05	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B10-1**
Spl#: 86150 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 27, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.05	N.D.	--
2-CHLOROPHENOL	N.D.	0.05	N.D.	69
1,3-DICHLOROBENZENE	N.D.	0.05	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.05	N.D.	--
BENZYL ALCOHOL	N.D.	0.05	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.05	N.D.	--
2-METHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	N.D.	--
4-METHYLPHENOL	N.D.	0.05	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	N.D.	70
HEXACHLOROETHANE	N.D.	0.05	N.D.	--
NITROBENZENE	N.D.	0.05	N.D.	--
ISOPHORONE	N.D.	0.05	N.D.	--
2-NITROPHENOL	N.D.	0.05	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.05	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.05	N.D.	74
NAPHTHALENE	N.D.	0.05	N.D.	--
4-CHLOROANILINE	N.D.	0.05	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.05	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	N.D.	49
2-METHYLNAPHTHALENE	N.D.	0.05	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.05	N.D.	--
2-NITROANILINE	N.D.	0.05	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.05	N.D.	--
ACENAPHTHYLENE	N.D.	0.05	N.D.	--
3-NITROANILINE	N.D.	0.05	N.D.	--
ACENAPHTHENE	N.D.	0.05	N.D.	75
2,4-DINITROPHENOL	N.D.	0.25	N.D.	--
4-NITROPHENOL	N.D.	0.05	N.D.	--
DIBENZOFURAN	N.D.	0.05	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.05	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.05	N.D.	--
DIETHYL PHTHALATE	N.D.	0.05	N.D.	--

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
page 2

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B10-1**
Spl#: 86150 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 27, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
FLUORENE	N.D.	0.05	N.D.	--
4-NITROANILINE	N.D.	0.05	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.05	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
HEXACHLOROBENZENE	N.D.	0.05	N.D.	--
PENTACHLOROPHENOL	N.D.	0.25	N.D.	50
PHENATHRENE	N.D.	0.05	N.D.	--
ANTHRACENE	N.D.	0.05	N.D.	--
DI-N-BUTYL PHTHALATE	0.87	0.05	N.D.	--
FLUORANTHENE	N.D.	0.05	N.D.	--
PYRENE	N.D.	0.05	N.D.	61
BUTYL BENZYL PHTHALATE	N.D.	0.05	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.10	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.05	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	N.D.	--
CHRYSENE	N.D.	0.05	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.05	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(A)PYRENE	N.D.	0.05	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.05	N.D.	--
BENZO(G,H,I)PERYLENE	N.D.	0.05	N.D.	--
BENZOIC ACID	N.D.	0.05	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B10-4**
Spl#: 86151 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 27, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.05	N.D.	--
2-CHLOROPHENOL	N.D.	0.05	N.D.	69
1,3-DICHLOROBENZENE	N.D.	0.05	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.05	N.D.	--
BENZYL ALCOHOL	N.D.	0.05	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.05	N.D.	--
2-METHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	N.D.	--
4-METHYLPHENOL	N.D.	0.05	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	N.D.	70
HEXACHLOROETHANE	N.D.	0.05	N.D.	--
NITROBENZENE	N.D.	0.05	N.D.	--
ISOPHORONE	N.D.	0.05	N.D.	--
2-NITROPHENOL	N.D.	0.05	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.05	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.05	N.D.	74
NAPHTHALENE	N.D.	0.05	N.D.	--
4-CHLOROANILINE	N.D.	0.05	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.05	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	N.D.	49
2-METHYLNAPHTHALENE	N.D.	0.05	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.05	N.D.	--
2-NITROANILINE	N.D.	0.05	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.05	N.D.	--
ACENAPHTHYLENE	N.D.	0.05	N.D.	--
3-NITROANILINE	N.D.	0.05	N.D.	--
ACENAPHTHENE	N.D.	0.05	N.D.	75
2,4-DINITROPHENOL	N.D.	0.25	N.D.	--
4-NITROPHENOL	N.D.	0.05	N.D.	--
DIBENZOFURAN	N.D.	0.05	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.05	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.05	N.D.	--
DIETHYL PHTHALATE	N.D.	0.05	N.D.	--

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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318
page 2

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B10-4**
Spl#: 86151 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 27, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
FLUORENE	N.D.	0.05	N.D.	--
4-NITROANILINE	N.D.	0.05	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.05	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
HEXACHLOROBENZENE	N.D.	0.05	N.D.	--
PENTACHLOROPHENOL	N.D.	0.25	N.D.	50
PHENATHRENE	N.D.	0.05	N.D.	--
ANTHRACENE	N.D.	0.05	N.D.	--
DI-N-BUTYL PHTHALATE	1.0	0.05	N.D.	--
FLUORANTHENE	N.D.	0.05	N.D.	--
PYRENE	N.D.	0.05	N.D.	61
BUTYL BENZYL PHTHALATE	N.D.	0.05	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.10	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.05	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	N.D.	--
CHRYSENE	N.D.	0.05	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.05	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(A)PYRENE	N.D.	0.05	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.05	N.D.	--
BENZO(G,H,I)PERYLENE	N.D.	0.05	N.D.	--
BENZOIC ACID	N.D.	0.05	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B10-8**
Spl#: 86152 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 27, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.05	N.D.	--
2-CHLOROPHENOL	N.D.	0.05	N.D.	69
1,3-DICHLOROBENZENE	N.D.	0.05	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.05	N.D.	--
BENZYL ALCOHOL	N.D.	0.05	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.05	N.D.	--
2-METHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	N.D.	--
4-METHYLPHENOL	N.D.	0.05	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	N.D.	70
HEXACHLOROETHANE	N.D.	0.05	N.D.	--
NITROBENZENE	N.D.	0.05	N.D.	--
ISOPHORONE	N.D.	0.05	N.D.	--
2-NITROPHENOL	N.D.	0.05	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.05	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.05	N.D.	74
NAPHTHALENE	N.D.	0.05	N.D.	--
4-CHLOROANILINE	N.D.	0.05	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.05	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	N.D.	49
2-METHYLNAPHTHALENE	N.D.	0.05	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.05	N.D.	--
2-NITROANILINE	N.D.	0.05	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.05	N.D.	--
ACENAPHTHYLENE	N.D.	0.05	N.D.	--
3-NITROANILINE	N.D.	0.05	N.D.	--
ACENAPHTHENE	N.D.	0.05	N.D.	75
2,4-DINITROPHENOL	N.D.	0.25	N.D.	--
4-NITROPHENOL	N.D.	0.05	N.D.	--
DIBENZOFURAN	N.D.	0.05	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.05	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.05	N.D.	--
DIETHYL PHTHALATE	N.D.	0.05	N.D.	--

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CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
page 2

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B10-8**
Spl#: 86152 *Matrix:* SOIL *Extracted:* April 27, 1995
Sampled: April 22, 1995 *Run#:* 6419 *Analyzed:* April 27, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
FLUORENE	N.D.	0.05	N.D.	--
4-NITROANILINE	N.D.	0.05	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.05	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
HEXACHLOROBENZENE	N.D.	0.05	N.D.	--
PENTACHLOROPHENOL	N.D.	0.25	N.D.	50
PHENATHRENE	N.D.	0.05	N.D.	--
ANTHRACENE	N.D.	0.05	N.D.	--
DI-N-BUTYL PHTHALATE	1.4	0.05	N.D.	--
FLUORANTHENE	N.D.	0.05	N.D.	--
PYRENE	N.D.	0.05	N.D.	61
BUTYL BENZYL PHTHALATE	N.D.	0.05	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.10	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.05	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	N.D.	--
CHRYSENE	N.D.	0.05	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.05	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(A)PYRENE	N.D.	0.05	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.05	N.D.	--
BENZO(G,H,I)PERYLENE	N.D.	0.05	N.D.	--
BENZOIC ACID	N.D.	0.05	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995 *Submission #:* 9504318

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: 21 samples for Gasoline analysis.

Matrix: SOIL
Sampled: April 22, 1995 *Run#:* 6530 *Analyzed:* May 8, 1995
Method: EPA 5030/8015M

Spl #	CLIENT SMPL ID	GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
86152	B10-8	N.D.	1.0	N.D.	82

Matrix: SOIL
Sampled: April 22, 1995 *Run#:* 6542 *Analyzed:* May 8, 1995
Method: EPA 5030/8015M

Spl #	CLIENT SMPL ID	GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
86103	B5-1	N.D.	1.0	N.D.	95
86106	B5-4	N.D.	1.0	N.D.	95
86107	B5-8	N.D.	1.0	N.D.	95
86108	B3-1	N.D.	1.0	N.D.	95
86109	B3-4	N.D.	1.0	N.D.	95
86110	B3-8	N.D.	1.0	N.D.	95
86111	B4-1	N.D.	1.0	N.D.	95
86112	B4-4	N.D.	1.0	N.D.	95
86113	B4-8	N.D.	1.0	N.D.	95
86115	B2-1	N.D.	1.0	N.D.	95
86117	B2-4	N.D.	1.0	N.D.	95
86121	B2-8	N.D.	1.0	N.D.	95

Matrix: SOIL
Sampled: April 22, 1995 *Run#:* 6549 *Analyzed:* May 8, 1995
Method: EPA 5030/8015M

Spl #	CLIENT SMPL ID	GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
86131	B6-1	N.D.	1.0	N.D.	103
86132	B6-4	N.D.	1.0	N.D.	103
86133	B6-8	N.D.	1.0	N.D.	103
86134	B1-4	N.D.	1.0	N.D.	103
86135	B1-1	N.D.	1.0	N.D.	103
86136	B1-8	N.D.	1.0	N.D.	103
86150	B10-1	N.D.	1.0	N.D.	103
86151	B10-4	N.D.	1.0	N.D.	103

QCtest JACK 13:29:56

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 9, 1995

Submission #: 9504318
Page 2

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: 21 samples for Gasoline analysis, continued.

Matrix: SOIL
Sampled: April 22, 1995 *Run#:* 6549 *Analyzed:* May 8, 1995
Method: EPA 5030/8015M

Spl # CLIENT SMPL ID	GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)

Jack Kelly
Chemist

Ali Kharrazi
Organic Manager

38/86094-86152

21667

CHAIN OF CUSTODY RECORD

Ship To: Chromalab

Attn:

Page 1 of

Project Name: Vacart Bldg

Project No.: 95907

Site Location:

Date: 4/22/95

SUBM #: 9504318 REP: PM
CLIENT: ENVSOL-PET
DUE: 05/02/95
REF #:21667

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: CAM 6	Chrom VI	8240	8270	9080	TPH-D 8015	TPH-G 8015	CAM 17	TPH
B5	B5-1	1	4-22	856		X					1				X	X	X		X	X	X	X
	B5-4	4	-1995	900		X					1				X	X	X		X	X	X	X
	B5-8	8		910		X					1				X	X	X		X	X	X	X
B4	B4-1	1		930		X					1			X					X	X		X
	B4-4	4		935		X					1			X					X	X		X
	B4-8	8		945		X					1			X					X	X		X
B5	B5W			1000	X						5			X		X	X		X	X		X
B6	B6-1	1		1005		X					1			X			X		X	X		X
	B6-4	4		1010		X					1			X			X		X	X		X
	B6-8	8		1015		X					1			X			X		X	X		X
B4	B4-W			1045	X						5			X		X	X		X	X		X
B2	B2-1	1		1100		X					1			X					X	X		X
	B2-4	4		1105		X					1			X					X	X		X
	B2-8	8		1110		X					1			X					X	X		X
	B2-W		V	1145	X						5			X		X	X		X	X		X

Total Number of Samples Shipped: Shipper's Signature: Robert M. Nelson

	Signature	Company	Date	Time
Relinquished by:	Robert M. Nelson	ESC - Petaluma	4-23-95	
Received by:		Chromalab	4-25-95	1627
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

'94 Caltrans Rates

Results to Rob Nelson

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

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Daytona Beach, Florida 32119

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1201 N. McDowell Boulevard
Petaluma, California 94954
(707) 769 5250

☐ **ENVIRONMENTAL SOLUTIONS, INC.**
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

318 21607

CHAIN OF CUSTODY RECORD

Ship To: Chroma Lab
Attn:

Page 2 of 3
Project Name: Vacant Building
Project No.: 95907
Site Location: Oakland
Date: 4 / 22 / 95

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	CAM 6	Chrome VI	8240	8270	8080	TPH-D 8015	TPH-G 8015	CAM 17	TRPH	Remarks
B3	B3-1	1	4-22	1120		X					1				X	X	X		X	X	X	X	
	B3-4	4	-	1125		X					1				X	X	X		X	X	X	X	
	B3-8	8	1995	1140		X					1				X	X	X		X	X	X	X	
	B3-W			1200	X						5			X	X	X	X		X	X		X	
B1	B1-1	1		1215		X					1			X		X			X	X		X	
	B1-4	4		1220		X					1			X		X			X	X		X	
	B1-8	8		1230		X					1			X		X			X	X		X	
B9	B9-1	1		1245		X					1			X	X	X		X				X	
	B9-4	4		1250		X					1			X	X	X		X				X	
B7	B7-2	2		1300		X					1				X	X	X				X	X	
	B7-4			1305											X	X	X				X	X	
B8	B8-1	1		1320		X					1			X			X	X				X	
	B8-4	4		1345		X					1			X			X	X				X	
	B1-W			1400	X						5			X		X	X	X	X	X		X	
B10	B10-1	1	↓	1430		X					1						X		X	X	X	X	

Total Number of Samples Shipped: Shipper's Signature: Robert D. Nelson

	Signature	Company	Date	Time
Relinquished by:	Robert D. Nelson	ESI - Petaluma	4-23-95	
Received by:		Chromalab	4-25-95	1627
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:
Results to Rob Nelson
Use '94 Caltrans Rates

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Petaluma, California 94954
(707) 769-5250

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

318 21607

Ship To: Chromalab
Attn:

Page 3 of 3
Project Name: Vacant Building
Project No.: 95907
Site Location: Oakland
Date: 4/22/95

CHAIN OF CUSTODY RECORD

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: CAM 6	Chrome VI	6240	8270	8080	TPH-D 8015	TPH-G 8015	CAM 17	TRPH 418.1	Remarks
B10	B10-4	4	4-22	1430		X					1						X		X	X	X	X	
	B10-8	8	-95	1440		X					1						X		X	X	X	X	
	B10-W		↓	1500	X						5			X		X	X		X	X		X	

Total Number of Samples Shipped: Shipper's Signature:

	Signature	Company	Date	Time
Relinquished by:	Robert L. Nelson	ESI - Petaluma	4-23-95	
Received by:		Chromalab	4-25-95	1627
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

Results to Rob Nelson
use '94 Caltrans Rates

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

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Walnut Creek, California 94598

CHROMALAB, INC.
SAMPLE RECEIPT CHECKLIST

Client Name ENV. SOL - PET
Date/Time Received 4/25/95 (Date) / 16:27 (Time)
Project VACANT BLDG
Received by B. Morrow
Reference/Subm # 21667/9504318
Carrier name
Checklist Completed by: Crowley (Signature) / 4/26/95 (Date)
Logged in by CR (Initials) / 4/26/95 (Date)
Matrix H2O / SOIL

Shipping container in good condition?			NA___	Yes___ No___
Custody seals present on shipping container?	Intact___	Broken___		Yes___ No___
Custody seals on sample bottles?	Intact___	Broken___		Yes___ No___
Chain of custody present?				Yes ✓ No___
Chain of custody signed when relinquished and received?				Yes ✓ No___
Chain of custody agrees with sample labels?				Yes___ No ✓
Samples in proper container/bottle?				Yes ✓ No___
Samples intact?				Yes ✓ No___
Sufficient sample volume for indicated test?				Yes___ No ✓
VOA vials have zero headspace?			NA___	Yes___ No___
Trip Blank received?			NA___	Yes___ No ✓
All samples received within holding time?				Yes ✓ No___

Container temperature?___

pH upon receipt _____ pH adjusted_____ Check performed by:_____ NA___

Any NO response must be detailed in the comments section below. If items are not applicable, they should be marked NA.

Client contacted?_____ Date contacted? 4/26/95
Person contacted? Rob Nelson Contacted by? CR
Regarding?

Comments: BG-1 less than ½ brass tube of soil

* Received 2 Liter + 3 Voas labeled BG-W - not listed on C.O.C.

Corrective Action: Do micro-extraction, changing detection limits — As per Rob Nelson

* Spoke w/ Rob Nelson @ 14:27 - wants BG-W run for TRPH, CAM6, 8240, 8270, + 8080

SMPLRECD.CK

CHROMALAB, INC.

Environmental Services (SDB)

May 22, 1995 *Submission #:* 9505211

ENV. SOLUTIONS - PETALUMA

Atten: Rob Nelson

Project: VACANT BLDG *Project#:* 95907
Received: April 25, 1995

re: 2 samples for California W.E.T. (STLC) Lead analysis.

Matrix: SOIL *Extracted:* May 22, 1995
Sampled: April 22, 1995 *Run#:* 6748 *Analyzed:* May 22, 1995
Method: CA WET/EPA 3005/7420

Spl #	CLIENT SMPL ID	LEAD (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
88780	B 8-1	140	1.0	N.D.	99
88781	B 9-1	38	1.0	N.D.	99

Doina Danet
Chemist

John S. Labash
Inorganic Supervisor

N:QC DOINA 15:14:08

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Federal ID #68-0140157

211/88100 - 00101

CHROMALAB, INC.

ADD ON/CHANGE ORDER

New Submission No.: [illegible]

Order No.: 21990

Original Submission Info

Client Name: ENVIRONMENTAL SOLUTIONS

Project Mgr.: ROB NELSON

Project Name: VACANT BLDG

Project No.: 95907

Date Received: 4/25/95

Submission No.: 9504318

Name of Caller: Cyd Miller

~~Call~~ Fax date: 5-16

ADD ON DUE DATE: 5/24/95

Comments:

Time:

Date Sampled: 4/22/95

SUBM #: 9505211 REP: PM
CLIENT: ENVSOL-PET
DUE: 05/24/95
REF #:21990 ADD TO 9504318

by CK

[X] FAX TO FOLLOW

SAMPLE ID	DATE	TIME	MATRIX	PRESERV.	TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/BTEX (EPA 602, 8020)	TPH - Diesel (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 625/625, 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)		METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (ICLP/STLC)				NUMBER OF CONTAINERS
B8-1			S																		X				1
B9-1			S																		X				1

CHROMALAB, INC.

Environmental Services (SDB)

May 25, 1995 *Submission #:* 9505260

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95-907
Received: May 4, 1995

re: 1 sample for California W.E.T. (STLC) Lead analysis.

Matrix: SOIL *Extracted:* May 25, 1995
Sampled: May 4, 1995 *Run#:* 6809 *Analyzed:* May 25, 1995
Method: CA WET/EPA 3005/7420

Spl #	CLIENT SMPL ID	LEAD (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
89239	B11-1	26	1.0	N.D.	107

Doina Danet
Chemist

John S. Labash
Inorganic Supervisor

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(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

ADD ON/CHANGE ORDER

New Submission No.: _____

Order No.: 22044

Name of Caller: Cyd Miller 260/89239

Call date: 5/19 Time: 1600

ADD ON DUE DATE: 5/26 Date Sampled: 5/4

Comments: _____

SUBM #: 9505260 REP: _____

CLIENT: ENSOL-PET _____ by _____

DUE: 05/26/95

REF #:22044

Original Submission Info ENSOL-PET

Client Name: ENVIRONMENTAL SOLUTIONS

Project Mgr.: CYD MILLER

Project Name: VACANT BLDG

Project No.: 95-907

Date Received: 5/4

Submission No.: 9505074

☒ FAX TO FOLLOW

ANALYSIS REPORT

SAMPLE ID	DATE	TIME	MATRIX	PRES.	TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/BTEX (EPA 602, 8020)	TPH - Diesel (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, I+F)	PCB (EPA 608, 8080)	PESTICIDES (EPA 608, 8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)		METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (TCLP, STLC) Pb				NUMBER OF CONTAINERS
B11-1	5/4		SOIL																		X				1

CHROMALAB, INC.

Environmental Services (SDB)

May 16, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: 8 samples for Total Recoverable Petroleum Hydrocarbons analysis.

Matrix: SOIL *Extracted:* May 12, 1995
Sampled: May 4, 1995 *Run#:* 6638 *Analyzed:* May 12, 1995
Method: EPA 418.1

Spl #	CLIENT SMPL ID	TRPH (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
87443	B11-1	39	10	N.D.	95
87444	B11-4	N.D.	10	N.D.	95
87445	B11-8	N.D.	10	N.D.	95
87447	B12-1	N.D.	10	N.D.	95
87450	B12-4	N.D.	10	N.D.	95
87456	B12-8	N.D.	10	N.D.	95

Matrix: WATER *Extracted:* May 12, 1995
Sampled: May 4, 1995 *Run#:* 6656 *Analyzed:* May 15, 1995
Method: EPA 418.1

Spl #	CLIENT SMPL ID	TRPH (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
87441	B11-W	35	25.0	N.D.	105
	Note: REPORTING LIMIT INCREASED DUE TO SAMPLE SIZE.				
87442	B12-W	450	25.0	N.D.	105
	Note: REPORTING LIMIT INCREASED DUE TO SAMPLE SIZE.				

Carolyn House
Extractions Supervisor

Ali Kharrazi
Organic Manager

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Federal ID #68-0140157

OCtest CMH 09:17:39

12

CHROMALAB, INC.

Environmental Services (SDB)

May 18, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: 2 samples for Diesel analysis.

Matrix: WATER *Extracted:* May 10, 1995
Sampled: May 4, 1995 *Run#:* 6602 *Analyzed:* May 13, 1995
Method: EPA 3510/8015M

Spl # CLIENT SMPL ID	DIESEL (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
87441 B11-W	N.D.	50	N.D.	--

Matrix: WATER *Extracted:* May 15, 1995
Sampled: May 4, 1995 *Run#:* 6660 *Analyzed:* May 16, 1995
Method: EPA 3510/8015M

Spl # CLIENT SMPL ID	DIESEL (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
87442 B12-W	N.D.	50	N.D.	81

Sirirat Chullakorn
Sirirat (Sindy) Chullakorn
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 18, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: 6 samples for Diesel analysis.

Matrix: SOIL *Extracted:* May 10, 1995
Sampled: May 4, 1995 *Run#:* 6600 *Analyzed:* May 13, 1995
Method: EPA 3550/8015M

Spl # CLIENT SMPL ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
87443 B11-1	N.D.	1.0	N.D.	80
87445 B11-8	N.D.	1.0	N.D.	80
87447 B12-1	N.D.	1.0	N.D.	80
87450 B12-4	N.D.	1.0	N.D.	80
87456 B12-8	N.D.	1.0	N.D.	80

Matrix: SOIL *Extracted:* May 15, 1995
Sampled: May 4, 1995 *Run#:* 6654 *Analyzed:* May 16, 1995
Method: EPA 3550/8015M

Spl # CLIENT SMPL ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
87444 B11-4	N.D.	1.0	N.D.	104

Sirirat Chullakorn
Sirirat (Sindy) Chullakorn
Chemist

Ali Kharrazi
Organic Manager

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

N:\QC SIRIRAT 15:43:20

123

CHROMALAB, INC.

Environmental Services (SDB)

May 19, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: 1 sample for Gasoline analysis.

Matrix: WATER
Sampled: May 4, 1995 *Run#:* 6714 *Analyzed:* May 18, 1995
Method: EPA 5030/8015M

Spl # CLIENT SMPL ID	GASOLINE (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
87441 B11-W	N.D.	0.05	N.D.	85

Jack Kelly
Chemist

Ali Kharrazi
Organic Manager

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Federal ID #68-0140157

N:OC JACK 13:45:47

1-21

CHROMALAB, INC.

Environmental Services (SDB)

May 25, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: 3 samples for Gasoline analysis.

Matrix: SOIL
Sampled: May 4, 1995 *Run#:* 6693 *Analyzed:* May 17, 1995
Method: EPA 5030/8015M

Spl # CLIENT SMPL ID	GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
87447 B12-1	N.D.	1.0	N.D.	88
87450 B12-4	N.D.	1.0	N.D.	88
87456 B12-8	N.D.	1.0	N.D.	88

Jack Kelly
Chemist

Ali Kharrazi
Organic Manager

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(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

N:QC JACK 16:10:19

125

CHROMALAB, INC.

Environmental Services (SDB)

June 1, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: 1 sample for Gasoline analysis.

Matrix: WATER
Sampled: May 4, 1995 *Run#:* 6920 *Analyzed:* June 1, 1995
Method: EPA 5030/8015M

Spl # CLIENT SMPL ID	GASOLINE (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
87442 B12-W	N.D.	0.05	N.D.	92

Jack Kelly
Chemist

Ali Kharrazi
Organic Manager

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(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

N:\QC\JACK 18:01:47

124

CHROMALAB, INC.

Environmental Services (SDB)

May 11, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: 3 samples for Hexavalent Chromium analysis.

Matrix: SOIL *Extracted:* May 10, 1995
Sampled: May 4, 1995 *Run#:* 6591 *Analyzed:* May 11, 1995
Method: EPA 7196

Spl #	CLIENT SMPL ID	HEXAVALENT CHROMIUM (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
87557	B11-1	N.D.	0.5	N.D.	95
87558	B11-4	N.D.	0.5	N.D.	95
87559	B11-8	N.D.	0.5	N.D.	95

Doina Danet
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)

May 19, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA
Atten: Cyd Miller
Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B11-W**
Spl#: 87441 *Matrix:* WATER
Sampled: May 4, 1995 *Run#:* 6727 *Analyzed:* May 17, 1995
Method: EPA 8240/8260

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
ACETONE	N.D.	4.0	N.D.	--
BENZENE	N.D.	2.0	N.D.	120
BROMODICHLOROMETHANE	N.D.	2.0	N.D.	--
BROMOFORM	N.D.	2.0	N.D.	--
BROMOMETHANE	N.D.	2.0	N.D.	--
METHYL ETHYL KETONE	N.D.	2.0	N.D.	--
CARBON TETRACHLORIDE	N.D.	2.0	N.D.	--
CHLOROBENZENE	N.D.	2.0	N.D.	98
CHLOROETHANE	N.D.	2.0	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	2.0	N.D.	--
CHLOROFORM	N.D.	2.0	N.D.	--
CHLOROMETHANE	N.D.	2.0	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	2.0	N.D.	--
1,1-DICHLOROETHANE	N.D.	2.0	N.D.	--
1,2-DICHLOROETHANE	N.D.	2.0	N.D.	--
1,1-DICHLOROETHENE	N.D.	2.0	N.D.	118
CIS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	--
1,2-DICHLOROPROPANE	N.D.	2.0	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	--
ETHYLBENZENE	N.D.	2.0	N.D.	--
2-HEXANONE	N.D.	2.0	N.D.	--
METHYLENE CHLORIDE	N.D.	2.0	N.D.	--
METHYL ISOBUTYL KETONE	N.D.	2.0	N.D.	--
STYRENE	N.D.	2.0	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	2.0	N.D.	--
TETRACHLOROETHENE	N.D.	2.0	N.D.	--
TOLUENE	N.D.	2.0	N.D.	93
1,1,1-TRICHLOROETHANE	N.D.	2.0	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	2.0	N.D.	--
TRICHLOROETHENE	N.D.	2.0	N.D.	100
TRICHLOROFLUOROMETHANE	N.D.	2.0	N.D.	--
VINYL ACETATE	N.D.	2.0	N.D.	--
VINYL CHLORIDE	N.D.	2.0	N.D.	--
TOTAL XYLENES	N.D.	2.0	N.D.	--

Aaron McMichael
Chemist

Ali Kharrazi
Organic Manager

N:\OC\AARON 11:53:20

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(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 19, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA
Atten: Cyd Miller
Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B12-W**
Spl#: 87442 *Matrix:* WATER
Sampled: May 4, 1995 *Run#:* 6727 *Analyzed:* May 17, 1995
Method: EPA 8240/8260

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
ACETONE	N.D.	4.0	N.D.	--
BENZENE	N.D.	2.0	N.D.	120
BROMODICHLOROMETHANE	N.D.	2.0	N.D.	--
BROMOFORM	N.D.	2.0	N.D.	--
BROMOMETHANE	N.D.	2.0	N.D.	--
METHYL ETHYL KETONE	N.D.	2.0	N.D.	--
CARBON TETRACHLORIDE	N.D.	2.0	N.D.	--
CHLOROBENZENE	N.D.	2.0	N.D.	98
CHLOROETHANE	N.D.	2.0	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	2.0	N.D.	--
CHLOROFORM	N.D.	2.0	N.D.	--
CHLOROMETHANE	N.D.	2.0	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	2.0	N.D.	--
1,1-DICHLOROETHANE	N.D.	2.0	N.D.	--
1,2-DICHLOROETHANE	N.D.	2.0	N.D.	--
1,1-DICHLOROETHENE	N.D.	2.0	N.D.	118
CIS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	--
1,2-DICHLOROPROPANE	N.D.	2.0	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	--
ETHYLBENZENE	N.D.	2.0	N.D.	--
2-HEXANONE	N.D.	2.0	N.D.	--
METHYLENE CHLORIDE	N.D.	2.0	N.D.	--
METHYL ISOBUTYL KETONE	N.D.	2.0	N.D.	--
STYRENE	N.D.	2.0	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	2.0	N.D.	--
TETRACHLOROETHENE	N.D.	2.0	N.D.	--
TOLUENE	N.D.	2.0	N.D.	93
1,1,1-TRICHLOROETHANE	N.D.	2.0	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	2.0	N.D.	--
TRICHLOROETHENE	N.D.	2.0	N.D.	100
TRICHLOROFLUOROMETHANE	N.D.	2.0	N.D.	--
VINYL ACETATE	N.D.	2.0	N.D.	--
VINYL CHLORIDE	N.D.	2.0	N.D.	--
TOTAL XYLENES	N.D.	2.0	N.D.	--

Aaron McMichael
Chemist

Ali Khafrazi
Organic Manager

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CHROMALAB, INC.

Environmental Services (SDB)

May 19, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA
Atten: Cyd Miller
Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B11-1**
Spl#: 87443 *Matrix:* SOIL
Sampled: May 4, 1995 *Run#:* 6728 *Analyzed:* May 17, 1995
Method: EPA 8240/8260

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.	98
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.	93
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.	108
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.	87
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.	90
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

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CHROMALAB, INC.

Environmental Services (SDB)

May 19, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA
Atten: Cyd Miller
Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B11-4**
Spl#: 87444 *Matrix:* SOIL
Sampled: May 4, 1995 *Run#:* 6728 *Analyzed:* May 17, 1995
Method: EPA 8240/8260

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.	98
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.	93
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.	108
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.	87
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.	90
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

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Federal ID #68-0140157

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CHROMALAB, INC.

Environmental Services (SDB)

May 19, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA
Atten: Cyd Miller
Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B11-8**
Spl#: 87445 *Matrix:* SOIL
Sampled: May 4, 1995 *Run#:* 6728 *Analyzed:* May 17, 1995
Method: EPA 8240/8260

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.	98
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.	93
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.	108
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.	87
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.	90
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
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CHROMALAB, INC.

Environmental Services (SDB)

May 19, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA
Atten: Cyd Miller
Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B12-1**
Spl#: 87447 *Matrix:* SOIL
Sampled: May 4, 1995 *Run#:* 6728 *Analyzed:* May 17, 1995
Method: EPA 8240/8260

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.	98
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.	93
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.	108
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.	87
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.	90
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
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CHROMALAB, INC.

Environmental Services (SDB)

May 19, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA
Atten: Cyd Miller
Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B12-4**
Spl#: 87450 *Matrix:* SOIL
Sampled: May 4, 1995 *Run#:* 6728 *Analyzed:* May 17, 1995
Method: EPA 8240/8260

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.	98
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.	93
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.	108
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.	87
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.	90
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

H:QC AARON 11:53:20

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

CHROMALAB, INC.

Environmental Services (SDB)

May 19, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA
Atten: Cyd Miller
Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995
re: One sample for Volatile Organic Compounds analysis.

Sample ID: **B12-8**
Spl#: 87456 *Matrix:* SOIL
Sampled: May 4, 1995 *Run#:* 6728 *Analyzed:* May 17, 1995
Method: EPA 8240/8260

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.	98
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.	93
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.	108
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.	87
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.	90
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

N:QC AARON 11:53:20

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 22, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for Semivolatile (Base/Neutral Extractable) Compounds analysis.
Sample ID: **B11-W**
Spl#: 87441 *Matrix:* WATER *Extracted:* May 8, 1995
Sampled: May 4, 1995 *Run#:* 6605 *Analyzed:* May 10, 1995
Method: EPA 3510/625

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	2	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	2	N.D.	--
2-CHLOROPHENOL	N.D.	2	N.D.	91
1,3-DICHLOROBENZENE	N.D.	2	N.D.	--
1,4-DICHLOROBENZENE	N.D.	2	N.D.	--
BENZYL ALCOHOL	N.D.	2	N.D.	--
1,2-DICHLOROBENZENE	N.D.	2	N.D.	--
2-METHYLPHENOL	N.D.	2	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	2	N.D.	--
4-METHYLPHENOL	N.D.	2	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	2	N.D.	54
HEXACHLOROETHANE	N.D.	2	N.D.	--
NITROBENZENE	N.D.	2	N.D.	--
ISOPHORONE	N.D.	2	N.D.	--
2-NITROPHENOL	N.D.	2	N.D.	--
2,4-DIMETHYL PHENOL	N.D.	2	N.D.	--
BENZOIC ACID	N.D.	2	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	2	N.D.	--
2,4-DICHLOROPHENOL	N.D.	2	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	2	N.D.	63
NAPHTHALENE	N.D.	2	N.D.	--
4-CHLOROANILINE	N.D.	2	N.D.	--
HEXACHLOROBUTADIENE	N.D.	2	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	4	N.D.	94
2-METHYLNAPHTHALENE	N.D.	2	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	2	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	2	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	2	N.D.	--
2-CHLORONAPHTHALENE	N.D.	2	N.D.	--
2-NITROANILINE	N.D.	2	N.D.	--
DIMETHYL PHTHALATE	N.D.	2	N.D.	--
ACENAPHTHYLENE	N.D.	2	N.D.	--
3-NITROANILINE	N.D.	2	N.D.	--
ACENAPHTHENE	N.D.	2	N.D.	59
2,4-DINITROPHENOL	N.D.	10	N.D.	--
4-NITROPHENOL	N.D.	10	N.D.	--
DIBENZOFURAN	N.D.	2	N.D.	--
2,4-DINITROTOLUENE	N.D.	2	N.D.	35
2,6-DINITROTOLUENE	N.D.	2	N.D.	--

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N:QC YT 13:46:01

13E

CHROMALAB, INC.

Environmental Services (SDB)

May 22, 1995

Submission #: 9505074
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ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG
Project#: 95907
Received: May 4, 1995

re: One sample for Semivolatile (Base/Neutral Extractable) Compounds analysis, continued.

Sample ID: **B11-W**
Spl#: 87441 *Matrix:* WATER *Extracted:* May 8, 1995
Sampled: May 4, 1995 *Run#:* 6605 *Analyzed:* May 10, 1995
Method: EPA 3510/625

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
DIETHYL PHTHALATE	N.D.	2	N.D.	--
4-CHLOROPHENYLPHENYLETHER	N.D.	2	N.D.	--
FLUORENE	N.D.	2	N.D.	--
4-NITROANILINE	N.D.	2	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	10	N.D.	--
N-NITROSODI-N-PHENYLAMINE	N.D.	2	N.D.	--
4-BROMOPHENYLPHENYLETHER	N.D.	2	N.D.	--
HEXACHLOROBENZENE	N.D.	2	N.D.	--
PENTACHLOROPHENOL	N.D.	10	N.D.	88
PHENANTHRENE	N.D.	2	N.D.	--
ANTHRACENE	N.D.	2	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	2	N.D.	--
FLUORANTHENE	N.D.	2	N.D.	--
PYRENE	N.D.	2	N.D.	61
BUTYL BENZYL PHTHALATE	N.D.	2	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	4	N.D.	--
BENZO(A)ANTHRACENE	N.D.	2	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	2	N.D.	--
CHRYSENE	N.D.	2	N.D.	--
DI-N-OCTYLPHTHALATE	N.D.	2	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	2	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	2	N.D.	--
BENZO(A)PYRENE	N.D.	2	N.D.	--
INDENO(1,2,3-CD)PYRENE	N.D.	2	N.D.	--
DIBENZO(A,H)ANTHRACENE	N.D.	2	N.D.	--
BENZO(GHI)PERYLENE	N.D.	2	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 22, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for Semivolatile (Base/Neutral Extractable) Compounds analysis.
Sample ID: **B12-W**
Spl#: 87442 *Matrix:* WATER *Extracted:* May 8, 1995
Sampled: May 4, 1995 *Run#:* 6605 *Analyzed:* May 10, 1995
Method: EPA 3510/625

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	2	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	2	N.D.	--
2-CHLOROPHENOL	N.D.	2	N.D.	91
1,3-DICHLOROBENZENE	N.D.	2	N.D.	--
1,4-DICHLOROBENZENE	N.D.	2	N.D.	--
BENZYL ALCOHOL	N.D.	2	N.D.	--
1,2-DICHLOROBENZENE	N.D.	2	N.D.	--
2-METHYLPHENOL	N.D.	2	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	2	N.D.	--
4-METHYLPHENOL	N.D.	2	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	2	N.D.	54
HEXACHLOROETHANE	N.D.	2	N.D.	--
NITROBENZENE	N.D.	2	N.D.	--
ISOPHORONE	N.D.	2	N.D.	--
2-NITROPHENOL	N.D.	2	N.D.	--
2,4-DIMETHYL PHENOL	N.D.	2	N.D.	--
BENZOIC ACID	N.D.	2	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	2	N.D.	--
2,4-DICHLOROPHENOL	N.D.	2	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	2	N.D.	63
NAPHTHALENE	N.D.	2	N.D.	--
4-CHLOROANILINE	N.D.	2	N.D.	--
HEXACHLOROBUTADIENE	N.D.	2	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	4	N.D.	94
2-METHYLNAPHTHALENE	N.D.	2	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	2	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	2	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	2	N.D.	--
2-CHLORONAPHTHALENE	N.D.	2	N.D.	--
2-NITROANILINE	N.D.	2	N.D.	--
DIMETHYL PHTHALATE	N.D.	2	N.D.	--
ACENAPHTHYLENE	N.D.	2	N.D.	--
3-NITROANILINE	N.D.	2	N.D.	--
ACENAPHTHENE	N.D.	2	N.D.	59
2,4-DINITROPHENOL	N.D.	10	N.D.	--
4-NITROPHENOL	N.D.	10	N.D.	--
DIBENZOFURAN	N.D.	2	N.D.	--
2,4-DINITROTOLUENE	N.D.	2	N.D.	35
2,6-DINITROTOLUENE	N.D.	2	N.D.	--

CHROMALAB, INC.

Environmental Services (SDB)

May 22, 1995

Submission #: 9505074
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ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG
Project#: 95907
Received: May 4, 1995

re: One sample for Semivolatile (Base/Neutral Extractable) Compounds analysis, continued.
Sample ID: **B12-W**
Spl#: 87442 *Matrix:* WATER *Extracted:* May 8, 1995
Sampled: May 4, 1995 *Run#:* 6605 *Analyzed:* May 10, 1995
Method: EPA 3510/625

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
DIETHYL PHTHALATE	N.D.	2	N.D.	--
4-CHLOROPHENYLPHENYLETHER	N.D.	2	N.D.	--
FLUORENE	N.D.	2	N.D.	--
4-NITROANILINE	N.D.	2	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	10	N.D.	--
N-NITROSODI-N-PHENYLAMINE	N.D.	2	N.D.	--
4-BROMOPHENYLPHENYLETHER	N.D.	2	N.D.	--
HEXACHLOROBENZENE	N.D.	2	N.D.	--
PENTACHLOROPHENOL	N.D.	10	N.D.	88
PHENANTHRENE	N.D.	2	N.D.	--
ANTHRACENE	N.D.	2	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	2	N.D.	--
FLUORANTHENE	N.D.	2	N.D.	--
PYRENE	N.D.	2	N.D.	61
BUTYL BENZYL PHTHALATE	N.D.	2	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	4	N.D.	--
BENZO(A)ANTHRACENE	N.D.	2	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	2	N.D.	--
CHRYSENE	N.D.	2	N.D.	--
DI-N-OCTYLPHTHALATE	N.D.	2	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	2	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	2	N.D.	--
BENZO(A)PYRENE	N.D.	2	N.D.	--
INDENO(1,2,3-CD)PYRENE	N.D.	2	N.D.	--
DIBENZO(A,H)ANTHRACENE	N.D.	2	N.D.	--
BENZO(GHI)PERYLENE	N.D.	2	N.D.	--

Alex Tam
Chemist

Ali Khafrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

June 2, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B11-1**
Spl#: 87443 *Matrix:* SOIL *Extracted:* June 1, 1995
Sampled: May 4, 1995 *Run#:* 6935 *Analyzed:* June 2, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.25	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.25	N.D.	--
2-CHLOROPHENOL	N.D.	0.25	N.D.	68
1,3-DICHLOROBENZENE	N.D.	0.25	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.25	N.D.	--
BENZYL ALCOHOL	N.D.	0.25	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.25	N.D.	--
2-METHYLPHENOL	N.D.	0.25	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.25	N.D.	--
4-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.25	N.D.	69
HEXACHLOROETHANE	N.D.	0.25	N.D.	--
NITROBENZENE	N.D.	0.25	N.D.	--
ISOPHORONE	N.D.	0.25	N.D.	--
2-NITROPHENOL	N.D.	0.25	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.25	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.25	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.25	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.25	N.D.	77
NAPHTHALENE	N.D.	0.25	N.D.	--
4-CHLOROANILINE	N.D.	0.25	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.25	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.50	N.D.	46
2-METHYLNAPHTHALENE	N.D.	0.25	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.25	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.25	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.25	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.25	N.D.	--
2-NITROANILINE	N.D.	0.25	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.25	N.D.	--
ACENAPHTHYLENE	N.D.	0.25	N.D.	--
3-NITROANILINE	N.D.	0.25	N.D.	--
ACENAPHTHENE	N.D.	0.25	N.D.	83
2,4-DINITROPHENOL	N.D.	1.25	N.D.	--
4-NITROPHENOL	N.D.	0.25	N.D.	--
DIBENZOFURAN	N.D.	0.25	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.25	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.25	N.D.	--
DIETHYL PHTHALATE	N.D.	0.25	N.D.	--

CHROMALAB, INC.

Environmental Services (SDB)

June 2, 1995

Submission #: 9505074
page 2

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B11-1**
Spl#: 87443 *Matrix:* SOIL *Extracted:* June 1, 1995
Sampled: May 4, 1995 *Run#:* 6935 *Analyzed:* June 2, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.25	N.D.	--
FLUORENE	N.D.	0.25	N.D.	--
4-NITROANILINE	N.D.	0.25	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	1.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.25	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.25	N.D.	--
HEXACHLOROBENZENE	N.D.	0.25	N.D.	--
PENTACHLOROPHENOL	N.D.	1.25	N.D.	57
PHENATHRENE	N.D.	0.25	N.D.	--
ANTHRACENE	N.D.	0.25	N.D.	--
DI-N-BUTYL PHTHALATE	0.80	0.25	0.82	--
FLUORANTHENE	N.D.	0.25	N.D.	--
PYRENE	N.D.	0.25	N.D.	65
BUTYL BENZYL PHTHALATE	N.D.	0.25	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.50	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.25	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.25	N.D.	--
CHRYSENE	N.D.	0.25	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.25	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.25	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.25	N.D.	--
BENZO(A)PYRENE	N.D.	0.25	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.25	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.25	N.D.	--
BENZ(G,H,I)PERYLENE	N.D.	0.25	N.D.	--
#77 BEN ACID	N.D.	0.05	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

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CHROMALAB, INC.

Environmental Services (SDB)

June 2, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B11-4**
Spl#: 87444 *Matrix:* SOIL *Extracted:* June 1, 1995
Sampled: May 4, 1995 *Run#:* 6935 *Analyzed:* June 1, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.05	N.D.	--
2-CHLOROPHENOL	N.D.	0.05	N.D.	68
1,3-DICHLOROBENZENE	N.D.	0.05	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.05	N.D.	--
BENZYL ALCOHOL	N.D.	0.05	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.05	N.D.	--
2-METHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	N.D.	--
4-METHYLPHENOL	N.D.	0.05	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	N.D.	69
HEXACHLOROETHANE	N.D.	0.05	N.D.	--
NITROBENZENE	N.D.	0.05	N.D.	--
ISOPHORONE	N.D.	0.05	N.D.	--
2-NITROPHENOL	N.D.	0.05	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.05	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.05	N.D.	77
NAPHTHALENE	N.D.	0.05	N.D.	--
4-CHLOROANILINE	N.D.	0.05	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.05	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	N.D.	46
2-METHYLNAPHTHALENE	N.D.	0.05	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.05	N.D.	--
2-NITROANILINE	N.D.	0.05	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.05	N.D.	--
ACENAPHTHYLENE	N.D.	0.05	N.D.	--
3-NITROANILINE	N.D.	0.05	N.D.	--
ACENAPHTHENE	N.D.	0.05	N.D.	83
2,4-DINITROPHENOL	N.D.	0.25	N.D.	--
4-NITROPHENOL	N.D.	0.05	N.D.	--
DIBENZOFURAN	N.D.	0.05	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.05	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.05	N.D.	--
DIETHYL PHTHALATE	N.D.	0.05	N.D.	--

CHROMALAB, INC.

Environmental Services (SDB)

June 2, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B11-4**
Spl#: 87444 *Matrix:* SOIL *Extracted:* June 1, 1995
Sampled: May 4, 1995 *Run#:* 6935 *Analyzed:* June 1, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
FLUORENE	N.D.	0.05	N.D.	--
4-NITROANILINE	N.D.	0.05	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.05	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
HEXACHLOROBENZENE	N.D.	0.05	N.D.	--
PENTACHLOROPHENOL	N.D.	0.25	N.D.	57
PHENATHRENE	N.D.	0.05	N.D.	--
ANTHRACENE	N.D.	0.05	N.D.	--
DI-N-BUTYL PHTHALATE	0.88	0.05	0.82	--
FLUORANTHENE	N.D.	0.05	N.D.	--
PYRENE	N.D.	0.05	N.D.	65
BUTYL BENZYL PHTHALATE	N.D.	0.05	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.10	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.05	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	N.D.	--
CHRYSENE	N.D.	0.05	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.05	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(A)PYRENE	N.D.	0.05	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.05	N.D.	--
BENZ(G,H,I)PERYLENE	N.D.	0.05	N.D.	--
#77 BEN ACID	N.D.	0.05	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

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CHROMALAB, INC.

Environmental Services (SDB)

June 2, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.

Sample ID: **B11-8**
Spl#: 87445 *Matrix:* SOIL *Extracted:* June 1, 1995
Sampled: May 4, 1995 *Run#:* 6935 *Analyzed:* June 2, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
PHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHYL)ETHER	N.D.	0.05	N.D.	--
2-CHLOROPHENOL	N.D.	0.05	N.D.	68
1,3-DICHLOROBENZENE	N.D.	0.05	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.05	N.D.	--
BENZYL ALCOHOL	N.D.	0.05	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.05	N.D.	--
2-METHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	N.D.	--
4-METHYLPHENOL	N.D.	0.05	N.D.	--
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	N.D.	69
HEXACHLOROETHANE	N.D.	0.05	N.D.	--
NITROBENZENE	N.D.	0.05	N.D.	--
ISOPHORONE	N.D.	0.05	N.D.	--
2-NITROPHENOL	N.D.	0.05	N.D.	--
2,4-DIMETHYLPHENOL	N.D.	0.05	N.D.	--
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	N.D.	--
2,4-DICHLOROPHENOL	N.D.	0.05	N.D.	--
1,2,4-TRICHLOROBENZENE	N.D.	0.05	N.D.	77
NAPHTHALENE	N.D.	0.05	N.D.	--
4-CHLOROANILINE	N.D.	0.05	N.D.	--
HEXACHLOROBUTADIENE	N.D.	0.05	N.D.	--
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	N.D.	46
2-METHYLNAPHTHALENE	N.D.	0.05	N.D.	--
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	N.D.	--
2,4,6-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2,4,5-TRICHLOROPHENOL	N.D.	0.05	N.D.	--
2-CHLORONAPHTHALENE	N.D.	0.05	N.D.	--
2-NITROANILINE	N.D.	0.05	N.D.	--
DIMETHYL PHTHALATE	N.D.	0.05	N.D.	--
ACENAPHTHYLENE	N.D.	0.05	N.D.	--
3-NITROANILINE	N.D.	0.05	N.D.	--
ACENAPHTHENE	N.D.	0.05	N.D.	83
2,4-DINITROPHENOL	N.D.	0.25	N.D.	--
4-NITROPHENOL	N.D.	0.05	N.D.	--
DIBENZOFURAN	N.D.	0.05	N.D.	--
2,4-DINITROTOLUENE	N.D.	0.05	N.D.	--
2,6-DINITROTOLUENE	N.D.	0.05	N.D.	--
DIETHYL PHTHALATE	N.D.	0.05	N.D.	--

CHROMALAB, INC.

Environmental Services (SDB)

June 2, 1995

Submission #: 9505074
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ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Sample ID: **B11-8**
Spl#: 87445 *Matrix:* SOIL *Extracted:* June 1, 1995
Sampled: May 4, 1995 *Run#:* 6935 *Analyzed:* June 2, 1995
Method: EPA 3550/8270

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
FLUORENE	N.D.	0.05	N.D.	--
4-NITROANILINE	N.D.	0.05	N.D.	--
4,6-DINITRO-2-METHYLPHENOL	N.D.	0.25	N.D.	--
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.05	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	N.D.	--
HEXACHLOROBENZENE	N.D.	0.05	N.D.	--
PENTACHLOROPHENOL	N.D.	0.25	N.D.	57
PHENATHRENE	N.D.	0.05	N.D.	--
ANTHRACENE	N.D.	0.05	N.D.	--
DI-N-BUTYL PHTHALATE	0.87	0.05	0.82	--
FLUORANTHENE	N.D.	0.05	N.D.	--
PYRENE	N.D.	0.05	N.D.	65
BUTYL BENZYL PHTHALATE	N.D.	0.05	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	0.10	N.D.	--
BENZO(A)ANTHRACENE	N.D.	0.05	N.D.	--
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	N.D.	--
CHRYSENE	N.D.	0.05	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	0.05	N.D.	--
BENZO(B)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(K)FLUORANTHENE	N.D.	0.05	N.D.	--
BENZO(A)PYRENE	N.D.	0.05	N.D.	--
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	N.D.	--
DIBENZ(A,H)ANTHRACENE	N.D.	0.05	N.D.	--
BENZ(G,H,I)PERYLENE	N.D.	0.05	N.D.	--
#77 BEN ACID	N.D.	0.05	N.D.	--

Alex Tam
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 11, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for CAM 17 Metals analysis.

Sample ID: **B11-1**
Spl#: 87443 *Matrix:* SOIL *Extracted:* May 9, 1995
Sampled: May 4, 1995 *Run#:* 6570 *Analyzed:* May 10, 1995
Method: EPA 3050A M/6010/7471

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	N.D.	2.0	N.D.	101
ARSENIC	8.2	1.0	N.D.	99
BARIUM	250	1.0	N.D.	101
BERYLLIUM	N.D.	0.5	N.D.	100
CADMIUM	0.7	0.5	N.D.	99
CHROMIUM	21	1.0	N.D.	101
COBALT	2.5	1.0	N.D.	97
COPPER	110	1.0	N.D.	101
LEAD	1200	1.0	N.D.	98
MOLYBDENUM	N.D.	1.0	N.D.	99
NICKEL	12	1.0	N.D.	100
SELENIUM	N.D.	2.0	N.D.	100
SILVER	N.D.	1.0	N.D.	99
THALLIUM	N.D.	2.0	N.D.	107
VANADIUM	18	1.0	N.D.	101
ZINC	280	1.0	N.D.	100
MERCURY	0.90	0.05	N.D.	103

Doina Danet
Chemist

John S. Labash
Inorganic Supervisor

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CHROMALAB, INC.

Environmental Services (SDB)

May 11, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for CAM 17 Metals analysis.

Sample ID: **B11-4**
Spl#: 87444 *Matrix:* SOIL *Extracted:* May 9, 1995
Sampled: May 4, 1995 *Run#:* 6570 *Analyzed:* May 10, 1995
Method: EPA 3050A M/6010/7471

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	N.D.	2.0	N.D.	101
ARSENIC	10	1.0	N.D.	99
BARIUM	31	1.0	N.D.	101
BERYLLIUM	N.D.	0.5	N.D.	100
CADMIUM	N.D.	0.5	N.D.	99
CHROMIUM	22	1.0	N.D.	101
COBALT	2.5	1.0	N.D.	97
COPPER	N.D.	1.0	N.D.	101
LEAD	4.2	1.0	N.D.	98
MOLYBDENUM	N.D.	1.0	N.D.	99
NICKEL	17	1.0	N.D.	100
SELENIUM	N.D.	2.0	N.D.	100
SILVER	N.D.	1.0	N.D.	99
THALLIUM	N.D.	2.0	N.D.	107
VANADIUM	17	1.0	N.D.	101
ZINC	13	1.0	N.D.	100
MERCURY	N.D.	0.05	N.D.	103

Doina Danet
Chemist

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1 of

CHROMALAB, INC.

Environmental Services (SDB)

May 11, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for CAM 17 Metals analysis.

Sample ID: **B11-8**
Spl#: 87445 *Matrix:* SOIL *Extracted:* May 9, 1995
Sampled: May 4, 1995 *Run#:* 6570 *Analyzed:* May 10, 1995
Method: EPA 3050A M/6010/7471

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ANTIMONY	N.D.	2.0	N.D.	101
ARSENIC	7.2	1.0	N.D.	99
BARIUM	45	1.0	N.D.	101
BERYLLIUM	N.D.	0.5	N.D.	100
CADMIUM	N.D.	0.5	N.D.	99
CHROMIUM	19	1.0	N.D.	101
COBALT	4.0	1.0	N.D.	97
COPPER	1.7	1.0	N.D.	101
LEAD	3.8	1.0	N.D.	98
MOLYBDENUM	N.D.	1.0	N.D.	99
NICKEL	23	1.0	N.D.	100
SELENIUM	N.D.	2.0	N.D.	100
SILVER	N.D.	1.0	N.D.	99
THALLIUM	N.D.	2.0	N.D.	107
VANADIUM	13	1.0	N.D.	101
ZINC	16	1.0	N.D.	100
MERCURY	N.D.	0.05	N.D.	103

Doina Danet
Chemist

John S. Labash
Inorganic Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

May 11, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for Metals analysis.

Sample ID: **B12-W**
Spl#: 87442 *Matrix:* WATER *Extracted:* May 10, 1995
Sampled: May 4, 1995 *Run#:* 6579 *Analyzed:* May 10, 1995
Method: EPA 3010A M/6010

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
CADMIUM	0.017	0.005	N.D.	104
CHROMIUM	0.52	0.01	N.D.	103
COPPER	0.10	0.01	N.D.	102
LEAD	0.19	0.01	N.D.	100
NICKEL	0.59	0.01	N.D.	102
ZINC	0.59	0.01	N.D.	102

Doina Danet
Chemist

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Inorganic Supervisor

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 11, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for Metals analysis.

Sample ID: **B11-W**
Spl#: 87441 *Matrix:* WATER *Extracted:* May 10, 1995
Sampled: May 4, 1995 *Run#:* 6579 *Analyzed:* May 10, 1995
Method: EPA 3010A M/6010

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
CADMIUM	0.008	0.005	N.D.	104
CHROMIUM	0.22	0.01	N.D.	103
COPPER	0.44	0.01	N.D.	102
LEAD	1.4	0.01	N.D.	100
NICKEL	0.22	0.01	N.D.	102
ZINC	1.6	0.01	N.D.	102

Doina Danet
Chemist

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Inorganic Supervisor

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 11, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for Metals analysis.

Sample ID: **B12-1**
Spl#: 87447 *Matrix:* SOIL *Extracted:* May 9, 1995
Sampled: May 4, 1995 *Run#:* 6570 *Analyzed:* May 10, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	N.D.	0.5	N.D.	99
CHROMIUM	9.7	1.0	N.D.	101
COPPER	1.9	1.0	N.D.	101
LEAD	4.2	1.0	N.D.	98
NICKEL	6.6	1.0	N.D.	100
ZINC	11	1.0	N.D.	100

Doina Danet
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Inorganic Supervisor

QCref DOINA 10/21/95

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Federal ID #68-0140157

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CHROMALAB, INC.

Environmental Services (SDB)

May 11, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for Metals analysis.

Sample ID: **B12-4**
Spl#: 87450 *Matrix:* SOIL *Extracted:* May 9, 1995
Sampled: May 4, 1995 *Run#:* 6570 *Analyzed:* May 10, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	N.D.	0.5	N.D.	99
CHROMIUM	13	1.0	N.D.	101
COPPER	N.D.	1.0	N.D.	101
LEAD	2.2	1.0	N.D.	98
NICKEL	8.6	1.0	N.D.	100
ZINC	8.4	1.0	N.D.	100

Doina Danet
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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 11, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for Metals analysis.

Sample ID: **B12-8**
Spl#: 87456 *Matrix:* SOIL *Extracted:* May 9, 1995
Sampled: May 4, 1995 *Run#:* 6570 *Analyzed:* May 10, 1995
Method: EPA 3050A M/6010

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
CADMIUM	N.D.	0.5	N.D.	99
CHROMIUM	16	1.0	N.D.	101
COPPER	1.3	1.0	N.D.	101
LEAD	3.6	1.0	N.D.	98
NICKEL	22	1.0	N.D.	100
ZINC	17	1.0	N.D.	100

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CHROMALAB, INC.

Environmental Services (SDB)

May 18, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for Polychlorinated Biphenyls (PCBs) analysis.

Sample ID: **B12-W**
Spl#: 87442 *Matrix:* WATER *Extracted:* May 9, 1995
Sampled: May 4, 1995 *Run#:* 6709 *Analyzed:* May 12, 1995
Method: MOD. EPA 608

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
AROCLOR 1016	N.D.	0.5	N.D.	--
AROCLOR 1221	N.D.	0.5	N.D.	--
AROCLOR 1232	N.D.	0.5	N.D.	--
AROCLOR 1242	N.D.	0.5	N.D.	--
AROCLOR 1248	N.D.	0.5	N.D.	--
AROCLOR 1254	N.D.	0.5	N.D.	--
AROCLOR 1260	N.D.	0.5	N.D.	104

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CHROMALAB, INC.

Environmental Services (SDB)

May 18, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for Polychlorinated Biphenyls (PCBs) analysis.

Sample ID: **B12-1**
Spl#: 87447 *Matrix:* SOIL *Extracted:* May 11, 1995
Sampled: May 4, 1995 *Run#:* 6708 *Analyzed:* May 13, 1995
Method: EPA 8080M

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
AROCLOR 1016	N.D.	0.1	N.D.	--
AROCLOR 1221	N.D.	0.1	N.D.	--
AROCLOR 1232	N.D.	0.1	N.D.	--
AROCLOR 1242	N.D.	0.1	N.D.	--
AROCLOR 1248	N.D.	0.1	N.D.	--
AROCLOR 1254	N.D.	0.1	N.D.	--
AROCLOR 1260	N.D.	0.1	N.D.	110

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CHROMALAB, INC.

Environmental Services (SDB)

May 18, 1995 *Submission #:* 9505074

ENV. SOLUTIONS - PETALUMA

Atten: Cyd Miller

Project: VACANT BLDG *Project#:* 95907
Received: May 4, 1995

re: One sample for Polychlorinated Biphenyls (PCBs) analysis.

Sample ID: **B12-4**
Spl#: 87450 *Matrix:* SOIL *Extracted:* May 11, 1995
Sampled: May 4, 1995 *Run#:* 6708 *Analyzed:* May 13, 1995
Method: EPA 8080M

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
AROCLOR 1016	N.D.	0.1	N.D.	--
AROCLOR 1221	N.D.	0.1	N.D.	--
AROCLOR 1232	N.D.	0.1	N.D.	--
AROCLOR 1242	N.D.	0.1	N.D.	--
AROCLOR 1248	N.D.	0.1	N.D.	--
AROCLOR 1254	N.D.	0.1	N.D.	--
AROCLOR 1260	N.D.	0.1	N.D.	110

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074/87441-87456

21826

CHAIN OF CUSTODY RECORD

Ship To: ChromaLab
Attn:

Page 1 of 1
Project Name: Vacant Bldg.
Project No.: 95907
Site Location: 5th & Cedar Oakland
Date: 5 / 4 / 95

SUBM #: 9505074 REP: PM
CLIENT: ENVSOL-PET
DUE: 04/18/95
REF #:21826

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	Sample Containers: No.	Sample Containers: Type	Sample Containers: Pres.	Analysis: TRPH 418.1	Analysis: CAM 17 6010	Analysis: CAM 17 6010	Analysis: CHROME VI 7196	Analysis: VOC 8240	Analysis: Semi-VOC 8270	Analysis: PCB 8080	Analysis: TPH-Diesel 8015	Analysis: TPH-Gas 8015
B11	B11-1	1	5-4	1205		X					1			X	X		X	X	X		X	
	B11-4	4	-1995	1210		X					1			X	X		X	X	X		X	
	B11-8	8		1220		X					1			X	X		X	X	X		X	
	B11-W	—		1230	X						7			X		X		X	X		X	X
B12	B12-1	1		1240		X								X		X		X		X	X	X
	B12-4	4		1245		X								X		X		X		X	X	X
	B12-8			1255		X								X		X		X			X	X
	B12-W			1300	X						7			X		X		X	X	X	X	X

Total Number of Samples Shipped: Shipper's Signature:

	Signature	Company	Date	Time
Relinquished by:	Robert A. Nelson	ESI - Petaluma	5-4-1995	
Received by:	[signature]	Chromalab	5-4-95	1648
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

Attention: Cyd Miller

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

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☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☒ ENVIRONMENTAL SOLUTIONS, INC.
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Petaluma, California 94954
(707) 769-5250

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

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12.2 BORING LOGS

Project Name:	Vacant Building	**Date:**	04/22/95	**Boring Number:**	B1
Project No:	95-907	Borehole Depth:	9.5 Feet	Surface Completion:	Asphalt
Drilling Co:	West Haz Mat	Well Depth:	N/A	Surface Elevation:	N/A
Drilling Equip:	8" HSA	Water Elev.:	N/A	Logged By:	RLN
Sampler Type:	2" Split Barrel	Casing Elevation:	N/A	Checked By:	CMM

Description	Depth (feet)	Sample Number	Blows/Foot	OVM (ppm)	Remarks
Fill: (0-3") Silty Sand Yellowish brown (10YR 4/4) silty Sand (SM), (0% clay, 10% silt, 90% sand, 0% gravel), loose, moist, trace of iron staining		B1-1	5 5 6	0	Constituent percentages are visual field estimates only.
Brown (10YR 4/3) silty Sand (SM), (0, 10, 90, 0), very fine-grained sand, dense, saturated, with trace of iron staining.	5	B1-4	6 7 14	0	
Color changes to dark yellowish brown (10YR 4/6).			6 13 22	0	
Boring Terminated at 9.5 Feet.	10	B1-8			
	15				
	20				
	25				
	30				

TRC/Environmental Solutions, Inc.

Figure No. 12.2-1

Project Name:	Vacant Building	Date:	04/22/95	Boring Number:	B2
Project No:	95-907	Borehole Depth:	9.5 Feet	Surface Completion:	Asphalt
Drilling Co:	West Haz Mat	Well Depth:	N/A	Surface Elevation:	N/A
Drilling Equip:	8" HSA	Water Elev.:	N/A	Logged By:	RLN
Sampler Type:	2" Split Barrel	Casing Elevation:	N/A	Checked By:	CMM

Description	Lithology	Depth (feet)	Sample Number	Casing	Annular Seal	Blows/Foot	OVM (ppm)	Remarks
Fill: Silty Sand with brick fragments								Constituent percentages are visual field estimates only.
Dark brown (10YR 3/3) poorly graded Sand (SP), (0% clay, 5% silt, 95% sand, 0% gravel), fine grained sand, loose, moist			B2-1			2 4 4	0	
			B2-4			6 6 7	0	
Dark yellowish brown (10YR 4/4) silty Sand (SM), (0, 20, 80, 0), fine grained sand, dense, moist		5						
Dark yellowish brown (10YR 4/4) poorly graded Sand (SP), (10, 90, 0, 0), very fine to fine grained sand, dense, moist			B2-8			9 14 20	0	
Boring Terminated at 9.5 Feet.		10						
		15						
		20						
		25						
		30						

TRC/Environmental Solutions, Inc.

Figure No. 12-2

Project Name:	Vacant Building	Date: 04/22/95	Boring Number: B3
Project No:	95-907	Borehole Depth: 9.5 Feet	Surface Completion: Unpaved
Drilling Co:	West Haz Mat	Well Depth: N/A	Surface Elevation: N/A
Drilling Equip:	8" HSA	Water Elev.: N/A	Logged By: RLN
Sampler Type:	2" Split Barrel	Casing Elevation: N/A	Checked By: CMM

Description	Lithology	Depth (feet)	Sample Number	Casing	Annular Seal	Blows/Foot	OVM (ppm)	Remarks
Fill: Silty sand with brick fragments								
Dark yellowish brown (10YR 4/4) silty Sand (SP), (0% clay, 20% silt, 80% sand, 0% gravel), very fine grained sand, medium dense, moist			B3-1			5 5 6	0	Constituent percentages are visual field estimates only.
Dark yellowish brown (10YR 4/6) clayey Sand (SC), (0, 40, 60, 0), fine grained sand, dense, moist to wet			B3-4			6 7 14	0	
Saturated		5						
			B3-8			6 13 22	0	
Boring Terminated at 9.5 Feet		10						
		15						
		20						
		25						
		30						

TRC/Environmental Solutions, Inc.

Figure No.12.2-3

Project Name:	Vacant Building	Date: 04/22/95	Boring Number: B4
Project No:	95-907	Borehole Depth: 9.5 Feet	Surface Completion: Unpaved
Drilling Co:	West Haz Mat	Well Depth: N/A	Surface Elevation: N/A
Drilling Equip:	8" HSA	Water Elev.: N/A	Logged By: RLN
Sampler Type:	2" Split Barrel	Casing Elevation: N/A	Checked By: CMM

Description	Lithology	Depth (feet)	Sample Number	Casing	Annular Seal	Blows/Foot	OVM (ppm)	Remarks
Fill: Gravel baserock								Constituent percentages are visual field estimates only.
Brown (10YR 4/3) silty Sand (SM), (0% clay, 20% silt, 80% sand, 0% gravel), fine grained sand, medium dense, moist			B4-1			12 12 10	0	
Brown (10YR 4/3) clayey Sand (SC), (20, 0, 80, 0), very fine to fine grained sand, dense, saturated		5	B4-4			4 14 24	0	
Brown (10YR 4/3) silty Sand (SM), (0, 20, 80, 0), very fine to fine grained sand, medium dense, saturated			B4-8			10 15 17	0	
Boring Terminated at 9.5 Feet		10						
		15						
		20						
		25						
		30						

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Figure No.12.2-4

Project Name:	Vacant Building	**Date:**	04/22/95	**Boring Number:**	B5
Project No:	95-907	Borehole Depth:	9.5 Feet	Surface Completion:	Concrete
Drilling Co:	West Haz Mat	Well Depth:	N/A	Surface Elevation:	N/A
Drilling Equip:	8" HSA	Water Elev.:	N/A	Logged By:	RLN
Sampler Type:	2" Split Barrel	Casing Elevation:	N/A	Checked By:	CMM

Description	Lithology	Depth (feet)	Sample Number	Casing	Annular Seal	Blows/Foot	OVM (ppm)	Remarks
Concrete (0-6")								Constituent percentages are visual field estimates only.
Fill: Gravel baserock (6-12")								
Brown (10YR 4/3) silty Sand (SM), (0% clay, 20% silt, 80% sand, 0% gravel), very fine to fine grained sand, loose to medium dense, moist			B5-1			6	0	
						8		
						9		
		5	B5-4			2	0	
Saturated			▽			2		
						6		
			B5-8			6		
						7		
		10				7	0	
Boring Terminated at 9.5 Feet								
		15						
		20						
		25						
		30						

TRC/Environmental Solutions, Inc.

Figure No. 12.2-5

Project Name:	Vacant Building	**Date:**	04/22/95	**Boring Number:**	B6
Project No:	95-907	Borehole Depth:	9.5 Feet	Surface Completion:	Unpaved
Drilling Co:	West Haz Mat	Well Depth:	N/A	Surface Elevation:	N/A
Drilling Equip:	8" HSA	Water Elev.:	N/A	Logged By:	RLN
Sampler Type:	2" Split Barrel	Casing Elevation:	N/A	Checked By:	CMM

Description	Lithology	Depth (feet)	Sample Number	Casing	Annular Seal	Blows/Foot	OVM (ppm)	Remarks
Dark grayish brown (10YR 4/2) silty Sand (SM), (0% clay, 20% silt, 80% sand, 0% gravel), fine grained sand, loose, moist to wet			B6-1			4 4 8	0	Constituent percentages are visual field estimates only.
Saturated, color change to yellowish brown (10YR 5/4)		5	B6-4			5 10 12	0	
			B6-8			5 9 14	0	
Boring Terminated at 9.5 Feet		10 15 20 25 30						

TRC/Environmental Solutions, Inc.

Figure No. 12.2-6

Project Name:	Vacant Building	Date:	04/22/95	Boring Number:	B7
Project No:	95-907	Borehole Depth:	5.5 Feet	Surface Completion:	Unpaved
Drilling Co:	West Haz Mat	Well Depth:	N/A	Surface Elevation:	N/A
Drilling Equip:	8" HSA	Water Elev.:	N/A	Logged By:	RLN
Sampler Type:	2"Split Barrel	Casing Elevation:	N/A	Checked By:	CMM

Description	Lithology	Depth (feet)	Sample Number	Casing	Annular Seal	Blows/Foot	OVM (ppm)	Remarks
Very dark grayish brown (2.5Y 3/2) silty Sand (SM), (0% clay, 20% silt, 80% sand, 0% gravel), very fine grained sand, loose to medium dense, dry to moist			B7-1			4 7 13	0	Constituent percentages are visual field estimates only.
Yellowish brown (10YR 5/6) sandy Clay (CL), (60, 0 40, 0), fine grained sand, stiff, moist		5	B7-4			5 8 13	0	
Boring Terminated at 5.5 Feet.		10 15 20 25 30						

TRC/Environmental Solutions, Inc.

Figure No.12.2-7

Project Name:	Vacant Building	Date: 04/24/95	Boring Number: B8
Project No:	95-907	Borehole Depth: 5.5 Feet	Surface Completion: Unpaved
Drilling Co:	West Haz Mat	Well Depth: N/A	Surface Elevation: N/A
Drilling Equip:	8" HSA	Water Elev.: N/A	Logged By: RLN
Sampler Type:	2" Split Barrel	Casing Elevation: N/A	Checked By: CMM

Description	Lithology	Depth (feet)	Sample Number	Casing	Annular Seal	Blows/Foot	OVM (ppm)	Remarks
Fill: Gravel baserock								
Very dark grayish brown (2.5Y 3/2) silty Sand (SM), very fine grained sand, (0% clay, 20% silt, 80% sand, 0% gravel), dense, moist			B8-1			4 10 12	0	Constituent percentages are visual field estimates only.
Yellowish brown (10 YR 5/6) sandy Clay (CL), (60, 0, 40, 0), very fine grained sand, medium stiff, saturated		5	B8-4			4 7 10	0	
Boring Terminated at 5.5 feet		10 15 20 25 30						

TRC/Environmental Solutions, Inc. | Figure No. 12.2-8

Project Name:	Vacant Building	Date:	04/22/95	Boring Number:	B9
Project No:	95-907	Borehole Depth:	5.5 Feet	Surface Completion:	Unpaved
Drilling Co:	West Haz Mat	Well Depth:	N/A	Surface Elevation:	N/A
Drilling Equip:	8" HSA	Water Elev.:	N/A	Logged By:	RLN
Sampler Type:	2" Split Barrel	Casing Elevation:	N/A	Checked By:	CMM

Description	Lithology	Depth (feet)	Sample Number	Casing	Annular Seal	Blows/Foot	OVM (ppm)	Remarks
Fill: Very dark grayish brown (10YR 3/2) sandy Silt (Ml), (10% clay, 20% silt, 60% sand, 10% gravel) medium dense, dry to moist, fill includes glass			B9-1			5 4 5	0	Poor Recovery Constituent percentages are visual field estimates only.
Dark yellowish brown (10YR 4/4) clayey Sand (SC), (50, 0, 50, 0), very fine to fine grained sand, stiff, saturated		5	B9-4			6 6 4	0	
Boring Terminated at 5.5 Feet.		10 15 20 25 30						

TRC/Environmental Solutions, Inc.

Figure No. 12.2-9

Project Name:	Vacant Building	**Date:**	04/22/95	**Boring Number:**	B10
Project No:	95-907	Borehole Depth:	9.5 Feet	Surface Completion:	Concrete
Drilling Co:	West Haz Mat	Well Depth:	N/A	Surface Elevation:	N/A
Drilling Equip:	8" HSA	Water Elev.:	N/A	Logged By:	RLN
Sampler Type:	2"Split Barrel	Casing Elevation:	N/A	Checked By:	CMM

Description	Lithology	Depth (feet)	Sample Number	Casing	Annular Seal	Blows/Foot	OVM (ppm)	Remarks
Concrete (0-3")								Constituent percentages are visual field estimates only.
Fill: clayey sand with brick fragments, stiff, moist			B10-1			14	0	
Black (2.5Y 2.5/1) clayey Sand (SC), (50% clay, 0% silt, 50% sand, 0% gravel), very fine grained sand with mica particles, medium dense, moist						26		
						28		
Yellowish brown (10YR 5/6) clayey Sand (SC), (50, 0, 50, 0), stiff, moist to wet, with abundant roots and root burrows		5	B10-4			10		
						10	0	
						12		
Saturated			▽					
			B10-8			7		
						7	0	
		10				11		
Boring Terminated at 9.5 Feet								
		15						
		20						
		25						
		30						

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Figure No. 12.2-10

Project Name:	Vacant Building	Date: 05/04/95	Boring Number: B11
Project No:	95-907	Borehole Depth: 9.5 Feet	Surface Completion: Unpaved
Drilling Co:	West Haz Mat	Well Depth: N/A	Surface Elevation: N/A
Drilling Equip:	8" HSA	Water Elev.: N/A	Logged By: RLN
Sampler Type:	2" Split Barrel	Casing Elevation: N/A	Checked By: CMM

Description	Lithology	Depth (feet)	Sample Number	Casing	Annular Seal	Blows/Foot	OVM (ppm)	Remarks
Fill: Very dark grayish Brown (10YR 3/2) well-graded Gravel (GW), (0% clay, 15% sand, 35% silt, 50% gravel), fine subangular to subrounded gravel, dense, dry to moist			B11-1			7 3 3	0	Constituent percentages are visual field estimates only.
Yellowish brown (10YR 5/6) silty Sand (SM), (0, 40 60, 0), fine grained sand, loose, saturated.		5	B11-4			2 3 3	0	
			B11-8			11 14 15	0	
Boring Terminated at 9.5 Feet.		10 15 20 25 30						

TRC/Environmental Solutions, Inc.

Figure No. 12.2-11

Project Name:	Vacant Building	Date: 05/04/95	Boring Number: B12
Project No:	95-907	Borehole Depth: 9.5 Feet	Surface Completion: Asphalt
Drilling Co:	Haz Mat	Well Depth: N/A	Surface Elevation: N/A
Drilling Equip:	8" HSA	Water Elev.: N/A	Logged By: RLN
Sampler Type:	2" Split Barrel	Casing Elevation: N/A	Checked By: CMM

Description	Lithology	Depth (feet)	Sample Number	Casing	Annular Seal	Blows/Foot	OVM (ppm)	Remarks
Asphalt (0-4")								Constituent percentages are visual field estimates only.
Dark Brown (10YR 3/3) silty Sand (SM), (0% clay, 35% silt, 65% sand, 0% gravel), very fine grained sand, medium dense, moist			B12-1			7 7 10	0	
			B12-4			2 3 3	0	
Yellowish brown (10YR 5/6) silty Sand (SM), (0, 35, 65, 0), very fine grained sand, saturated, loose.		5						
			B12-8			9 12 17	0	
Boring Terminated at 9.5 Feet		10						
		15						
		20						
		25						
		30						

TRC/Environmental Solutions, Inc.

Figure No. 12.2-12

TABLES

TABLE 1
BUSINESS/MANUFACTURING ACTIVITIES
VACANT BUILDING
1851 5TH STREET
PRELIMINARY ENDANGERMENT ASSESSMENT

TYPE OF BUSINESS	IN SOL AIR GLASS COMPANY	GATEWAY BUS LINES
TYPE OF PRODUCTS SOLD OR SERVICES PERFORMED	Residential window and screening company	Vehicle parking and maintenance
ANNUAL QUANTITIES OF PRODUCTS SOLD	Unknown	Unknown
TYPE AND AMOUNT OF HAZARDOUS SUBSTANCES AND/OR WASTES GENERATED ANNUALLY	Not known	Not known
PRIMARY MATERIALS AND CHEMICALS USED, HANDLED, AND SOLD ONSITE	Fuel oil contained in 1800-gallon UST and gasoline contained in 10,000-gallon UST	Fuel oil contained in 1800-gallon UST and gasoline contained in 10,000-gallon UST
MAJOR PHYSICAL/CHEMICAL PROCESSES USED	Storage of materials used in residential window and screening business	Parked vehicles and performed vehicle maintenance

TABLE 2
ONSITE STORAGE, TREATMENT, AND DISPOSAL
VACANT BUILDING
1851 5TH STREET
PRELIMINARY ENDANGERMENT ASSESSMENT

FACILITY	IN SOL AIR GLASS COMPANY	GATEWAY BUS LINES
TYPE, CAPACITY, CONTENTS, AND LOCATION OF HAZARDOUS SUBSTANCE/STORAGE	(1) 1800-gallon fuel oil UST and (1) 10,000-gallon gasoline UST	(1) 1800-gallon fuel oil UST and (1) 10,000-gallon gasoline UST
TYPE, CAPACITY, AND LOCATION OF HAZARDOUS WASTE TREATMENT FACILITIES ONSITE	None present	None present
HAZARDOUS WASTE DISPOSAL PRACTICES	Unknown	Unknown
HAZARDOUS SUBSTANCE AND/OR WASTE CONTAINMENT MEASURES	Fuel oil contained in 1800-gallon UST and gasoline contained in 10,000-gallon UST	Fuel oil contained in 1800-gallon UST and gasoline contained in 10,000-gallon UST
WASTE RECOVERY AND/OR RECYCLING PRACTICES	None known	None known
ORIGIN, TYPE, AND QUANTITIES OF OFFSITE WASTE TREATED, STORED, OR DISPOSED OF ONSITE	None known	None known
IDENTIFICATION OF LEAKS, SPILLS AND RELEASES OF HAZARDOUS SUBSTANCES AT OR FROM THE SITE	1988 during UST removal-soils containing petroleum hydrocarbons were excavated and removed. Ground water sample from excavation contained 84 mg/l TPH as diesel. 1989 Site inspection-observed small discolored area on concrete.	None known

TABLE 3
IDENTIFICATION OF SCHOOLS, RESIDENTIAL COMMUNITIES, HEALTH CARE FACILITIES, AND CHILD DAY CARE FACILITIES WITHIN A ONE MILE RADIUS OF 1851 5TH STREET
(See Figure 10 for Locations)
VACANT BUILDING SITE
PRELIMINARY ENDANGERMENT ASSESSMENT

TYPE	NAME	DISTANCE AND DIRECTION FROM SITE
Elementary school	Cole	0.85 mile - East
Elementary school	St. Patrick	0.5 mile - East
Elementary school	Prescott	0.45 mile - East
High school	Pentecostal way of Truth	0.4 mile - Southeast
Day care	Chester Street Tot Lot	0.5 mile - Southeast
Health care	West Oakland Health Center	1 mile - Southeast
Residential neighborhood	Peralta Villa	0.75 mile - East
Residential neighborhood	Prescott	0.20 mile - East
Residential neighborhood	Phoenix	Immediate Surrounding Vicinity
Residential neighborhood	Ralph Bunche	0.9 mile - Northeast

Table 4: Soil and Ground Water Analytical Data - Vacant Building

		Hydrocarbons				6010 Metals (mg/kg)																		Misc.		
							TTLC	500	500	10000	75	100	2500	8000	2500	1000	20	3500	2000	100	500	700	2400	5000			
							10XSTLC	150	50	1000	8	10	5600	800	250	50	2	3500	200	10	50	70	240	2500			
Sample No.	Depth (ft., bgs.)	Hydrocarbons	8015M-Diesel (mg/kg)	8015M - Gasoline (mg/kg)	418.1 TRPH (mg/kg)	6010 Metals (mg/kg)		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium (total)	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Miscellaneous	Hexavalent Chromium (7196)	Lead WET (EPA 3005/7420)
B1-1	1		ND	ND	ND			--	--	--	--	ND	12	--	1.9	2.4	--	--	6.8	--	--	--	--	8.9		--	--
B1-4	4		ND	ND	ND			--	--	--	--	0.7	26	--	2.8	4.4	--	--	26	--	--	--	--	18		--	--
B1-8	8		ND	ND	ND			--	--	--	--	0.8	21	--	16	3.3	--	--	23	--	--	--	--	24		--	--
B2-1	1		ND	ND	ND			--	--	--	--	0.7	11	--	2.7	2.5	--	--	7.0	--	--	--	--	12		--	--
B2-4	4		ND	ND	ND			--	--	--	--	0.9	23	--	29	4.7	--	--	20	--	--	--	--	33		--	--
B2-8	8		ND	ND	ND			--	--	--	--	0.9	22	--	31	4.2	--	--	25	--	--	--	--	32		--	--
B3-1	1		ND	ND	ND			ND	6.4	40	ND	0.6	17	3.5	4.1	3.5	ND	ND	20	ND	ND	ND	14	17		ND	--
B3-4	4		ND	ND	ND			ND	5.0	52	ND	1.4	19	5.4	1.9	4.2	ND	ND	23	ND	ND	ND	17	15		ND	--
B3-8	8		ND	ND	10			ND	3.1	39	ND	ND	18	2.0	2.5	3.3	ND	ND	19	ND	ND	ND	11	14		ND	--
B4-1	1		ND	ND	ND			--	--	--	--	ND	16	--	28	2.8	--	--	11	--	--	--	--	29		--	--
B4-4	4		ND	ND	ND			--	--	--	--	1.1	26	--	9.7	5.9	--	--	24	--	--	--	--	22		--	--
B4-8	8		ND	ND	ND			--	--	--	--	0.8	15	--	5.4	3.4	--	--	24	--	--	--	--	20		--	--
B5-1	1		ND	ND	ND			ND	2.7	40	ND	ND	9.4	1.3	2.9	2.6	ND	ND	5.6	ND	ND	ND	7.6	11		ND	--
B5-4	4		ND	ND	ND			ND	4.3	4.7	ND	0.8	23	3.6	7.4	4.8	ND	ND	20	ND	ND	ND	17	19		ND	--
B5-8	8		ND	ND	ND			ND	6.4	120	ND	0.9	10	9.9	38	15	ND	ND	29	ND	ND	ND	18	47		ND	--
B6-1	1		ND	ND	ND			--	--	--	--	ND	13	--	13	2.6	--	--	8.0	--	--	--	--	16		--	--
B6-4	4		ND	ND	ND			--	--	--	--	1.1	19	--	2.7	5.5	--	--	26	--	--	--	--	20		--	--
B6-8	8		ND	ND	ND			--	--	--	--	0.5	14	--	1.6	2.9	--	--	18	--	--	--	--	14		--	--

ND = Not Detected
- - = Not Analyzed
W = Ground Water samples reported in mg/L or ug/L

Table 4: Soil and Ground Water Analytical Data - Vacant Building

Sample No.	Depth (ft., bgs.)	8240 VOCs (ug/kg)	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	Methyl Ethyl Ketone	Carbon Tetrachloride	Chlorobenzene	Chloroethane	2-Chloroethylvinyl ether	Chloroform	Chloromethane	Dibromochloromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	Cis-1,2-Dichloroethene	Trans-1,2-Dichloroethene	1,2-Dichloropropane	Cis-1,3-Dichloropropene	Trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Methylene Chloride	Methyl Isobutyl Ketone	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride	Xylenes
		8240 VOCs (ug/kg)																																				
B1-1	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B1-4	4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B1-8	8		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B2-1	1		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2-4	4		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2-8	8		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B3-1	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B3-4	4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B3-8	8		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B4-1	1		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B4-4	4		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B4-8	8		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B5-1	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B5-4	4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B5-8	8		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B6-1	1		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B6-4	4		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B6-8	8		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

ND = Not Detected
- - = Not Analyzed
W = Ground Water samples reported in mg/L or ug/L

Table 4: Soil and Ground Water Analytical Data - Vacant Building

Sample No.	Depth (ft., bgs.)	8270 Semi VOCs (mg/kg)	Phenol	Bis(2-Chloroethyl)Ether	2-Chlorophenol	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Benzyl Alcohol	1,2-Dichlorobenzene	2-Methylphenol	Bis(2-Chloroisopropyl)Ether	4-Methylphenol	N-Nitrosodi-N-Propylamine	Hexachloroethane	Nitrobenzene	Isophorone	2-Nitrophenol	2,4-Dimethylphenol	Benzoic Acid	Bis(2-Chloroethoxy)Methane	2,4-Dichlorophenol	1,2,4-Trichlorobenzene	Naphthalene	4-Chloroanaline	Hexachlorobutadiene	4-Chloro-3-Methylphenol	2-Methylnaphthalene	Hexachlorocyclopentadiene	2,4,6-Trichlorophenol	2,4,5-Trichlorophenol	2-Chloronaphthalene	2-Nitroanaline	Dimethyl Phthalate	Acenaphthylene	3-Nitroanaline	Acenaphthene	2,4-Dinitrophenol
		8270 Semi VOCs (mg/kg)																																			
B1-1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1-4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1-8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2-1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2-4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2-8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B3-1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B3-4	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B3-8	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B4-1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B4-4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B4-8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B5-1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B5-4	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B5-8	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B6-1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B6-4	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B6-8	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected
-- = Not Analyzed
W = Ground Water samples reported in mg/L or ug/L

Table 4: Soil and Ground Water Analytical Data - Vacant Building

		8270 Semi VOCs (mg/kg)																												
Sample No.	Depth (ft., bgs.)	4-Nitrophenol	Dibenzofuran	2,4-Dinitrotoluene	2,6-Dinitrotoluene	Diethyl Phthalate	4-Chlorophenyl-Phenyl Ether	Fluorene	4-Nitroanaline	2-Methyl-4,6-Dinitrophenol	N-Nitrosodiphenylamine	4-Bromophenyl-Phenyl Ether	Hexachlorobenzene	Pentachlorophenol	Phenanthrene	Anthracene	Di-N-Butyl Phthalate	Fluoranthene	Pyrene	Butyl Benzyl Phthalate	3,3'-Dichlorobenzidine	Benzo(A)Anthracene	Bis(2-Ethylhexyl)Phthalate	Chrysene	Di-N-Octyl Phthalate	Benzo(B)Fluoranthene	Benzo(K)Fluoranthene	Benzo(A)Pyrene	Indeno(1,2,3-C,D) Pyrene	Dibenzo(A,H)Anthracene	Benzo(G,H,I)Perylene
B1-1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1-4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1-8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2-1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2-4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2-8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B3-1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B3-4	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B3-8	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B4-1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B4-4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B4-8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B5-1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B5-4	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B5-8	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B6-1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B6-4	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B6-8	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected
-- = Not Analyzed
W = Ground Water samples reported in mg/L or ug/L

Table 4: Soil and Ground Water Analytical Data - Vacant Building

		8080 Pesticides and PCB's (ug/kg)																											
Sample No.	Depth (ft., bgs.)	8080 PCBs and Pest. (ug/L)	Aldrin	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Dieldrin	Endrin Aldehyde	Endrin	Heptachlor	Heptachlor Epoxide	p,p' - DDT	p,p' - DDE	p,p' - DDD	Endosulfan I	Endosulfan II	α - BHC	β - BHC	γ - BHC (Lindane)	δ - BHC	Endosulfan Sulfate	p,p' - Methoxychlor	Toxaphene	Chlordane
B1-1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1-4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1-8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2-1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2-4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2-8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B3-1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B3-4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B3-8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B4-1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B4-4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B4-8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B5-1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B5-4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B5-8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B6-1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B6-4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B6-8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

ND = Not Detected
- - = Not Analyzed
W = Ground Water samples reported in mg/L or ug/L

Table 4: Soil and Ground Water Analytical Data - Vacant Building

		Hydrocarbons				6010 Metals (mg/kg)																		Misc.		
							TTLC	500	500	10000	75	100	2500	8000	2500	1000	20	3500	2000	100	500	700	2400	5000			
							10XSTLC	150	50	1000	8	10	5600	800	250	50	2	3500	200	10	50	70	240	2500			
Sample No.	Depth (ft., bgs.)	Hydrocarbons	8015M-Diesel (mg/kg)	8015M - Gasoline (mg/kg)	418.1 TRPH (mg/kg)	6010 Metals (mg/kg)		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium (total)	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Miscellaneous	Hexavalent Chromium (7196)	Lead WET (EPA 3005/7420)
B7-2	2		--	--	ND			ND	1.8	33	ND	0.6	7.7	1.1	2.1	1.9	ND	ND	5.6	ND	ND	ND	7.5	7.5		ND	--
B7-4	4		--	--	ND			ND	2.2	58	ND	0.6	20	1.4	2.8	4.1	ND	ND	19	ND	ND	ND	13	14		ND	--
B8-1	1		--	--	ND			--	--	--	--	ND	12	--	43	740	--	--	8.8	--	--	--	--	500		--	140
B8-4	4		--	--	ND			--	--	--	--	1.2	26	--	13	18	--	--	29	--	--	--	--	29		--	--
B9-1	1		--	--	1700			--	--	--	--	1.7	15	--	61	550	--	--	15	--	--	--	--	250		ND	38
B9-4	4		--	--	ND			--	--	--	--	0.8	27	--	7.2	5.1	--	--	23	--	--	--	--	20		ND	--
B10-1	1		ND	ND	ND			ND	3.8	41	ND	ND	8.9	1.8	8.8	2.2	ND	ND	5.7	ND	ND	ND	7.5	12		--	--
B10-4	4		ND	ND	ND			ND	8.3	33	ND	0.7	16	2.1	4.0	3.8	ND	ND	15	ND	ND	ND	13	15		--	--
B10-8	8		ND	ND	ND			ND	2.7	33	ND	0.5	13	3.1	9.8	3.2	ND	ND	15	ND	ND	ND	11	16		--	--
B11-1	1		ND	--	39			ND	8.2	250	ND	0.7	21	2.5	110	1200	0.90	ND	12	ND	ND	ND	18	280		ND	26
B11-4	4		ND	--	ND			ND	10	31	ND	ND	22	2.5	ND	4.2	ND	ND	17	ND	ND	ND	17	13		ND	--
B11-8	8		ND	--	ND			ND	7.2	45	ND	ND	19	4.0	1.7	3.8	ND	ND	23	ND	ND	ND	13	16		ND	--
B12-1	1		ND	ND	ND			--	--	--	--	ND	9.7	--	1.9	4.2	--	--	6.6	--	--	--	--	11		--	--
B12-4	4		ND	ND	ND			--	--	--	--	ND	13	--	ND	2.2	--	--	8.6	--	--	--	--	8.4		--	--
B12-8	8		ND	ND	ND			--	--	--	--	ND	16	--	1.3	3.6	--	--	22	--	--	--	--	17		--	--
B1-W	W		ND	ND	ND			--	--	--	--	ND	ND	--	ND	ND	--	--	ND	--	--	--	--	ND		--	--
B2-W	W		ND	ND	ND			--	--	--	--	ND	ND	--	ND	ND	--	--	ND	--	--	--	--	0.01		--	--
B3-W	W		ND	ND	ND			--	--	--	--	ND	ND	--	0.02	ND	--	--	0.01	--	--	--	--	0.02		--	--
B4-W	W		ND	ND	ND			--	--	--	--	0.011	ND	--	ND	0.03	--	--	0.02	--	--	--	--	0.01		--	--

ND = Not Detected
-- = Not Analyzed
W = Ground Water samples reported in mg/L or ug/L

Table 4: Soil and Ground Water Analytical Data - Vacant Building

Sample No.	Depth (ft., bgs.)	8240 VOCs (ug/kg)	8240 VOCs (ug/kg)																																				
			Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	Methyl Ethyl Ketone	Carbon Tetrachloride	Chlorobenzene	Chloroethane	2-Chloroethylvinyl ether	Chloroform	Chloromethane	Dibromochloromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	Cis-1,2-Dichloroethene	Trans-1,2-Dichloroethene	1,2-Dichloropropane	Cis-1,3-Dichloropropene	Trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Methylene Chloride	Methyl Isobutyl Ketone	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride	Xylenes
B7-2	2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B7-4	4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B8-1	1		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B8-4	4		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B9-1	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B9-4	4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B10-1	1		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B10-4	4		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B10-8	8		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B11-1	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B11-4	4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B11-8	8		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B12-1	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B12-4	4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B12-8	8		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B1-W	W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B2-W	W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B3-W	W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B4-W	W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected
- - = Not Analyzed
W = Ground Water samples reported in mg/L or ug/L

Table 4: Soil and Ground Water Analytical Data - Vacant Building

Sample No.	Depth (ft., bgs.)	8270 Semi VOCs (mg/kg)	Phenol	Bis(2-Chloroethyl)Ether	2-Chlorophenol	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Benzyl Alcohol	1,2-Dichlorobenzene	2-Methylphenol	Bis(2-Chloroisopropyl)Ether	4-Methylphenol	N-Nitrosodi-N-Propylamine	Hexachloroethane	Nitrobenzene	Isophorone	2-Nitrophenol	2,4-Dimethylphenol	Benzoic Acid	Bis(2-Chloroethoxy)Methane	2,4-Dichlorophenol	1,2,4-Trichlorobenzene	Naphthalene	4-Chloroanaline	Hexachlorobutadiene	4-Chloro-3-Methylphenol	2-Methylnaphthalene	Hexachlorocyclopentadiene	2,4,6-Trichlorophenol	2,4,5-Trichlorophenol	2-Chloronaphthalene	2-Nitroanaline	Dimethyl Phthalate	Acenaphthylene	3-Nitroanaline	Acenaphthene	2,4-Dinitrophenol
		8270 Semi VOCs (mg/kg)																																			
B7-2	2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B7-4	4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B8-1	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B8-4	4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B9-1	1		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B9-4	4		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B10-1	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B10-4	4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B10-8	8		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B11-1	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B11-4	4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B11-8	8		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B12-1	1		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B12-4	4		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B12-8	8		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1-W	W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B2-W	W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B3-W	W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B4-W	W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected
-- = Not Analyzed
W = Ground Water samples reported in mg/L or ug/L

Table 4: Soil and Ground Water Analytical Data - Vacant Building

		8270 Semi VOCs (mg/kg)																													
Sample No.	Depth (ft., bgs.)	4-Nitrophenol	Dibenzofuran	2,4-Dinitrotoluene	2,6-Dinitrotoluene	Diethyl Phthalate	4-Chlorophenyl-Phenyl Ether	Fluorene	4-Nitroanaline	2-Methyl-4,6-Dinitrophenol	N-Nitrosodiphenylamine	4-Bromophenyl-Phenyl Ether	Hexachlorobenzene	Pentachlorophenol	Phenanthrene	Anthracene	Di-N-Butyl Phthalate	Fluoranthene	Pyrene	Butyl Benzyl Phthalate	3,3'-Dichlorobenzidine	Benzo(A)Anthracene	Bis(2-Ethylhexyl)Phthalate	Chrysene	Di-N-Octyl Phthalate	Benzo(B)Fluoranthene	Benzo(K)Fluoranthene	Benzo(A)Pyrene	Indeno(1,2,3-C,D) Pyrene	Dibenzo(A,H)Anthracene	Benzo(G,H,I)Perylene
B7-2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B7-4	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B8-1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B8-4	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B9-1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B9-4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B10-1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B10-4	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B10-8	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B11-1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B11-4	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B11-8	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B12-1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B12-4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B12-8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1-W	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B2-W	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B3-W	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B4-W	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

-- = Not Analyzed

W = Ground Water samples reported in mg/L or ug/L

Table 4: Soil and Ground Water Analytical Data - Vacant Building

Sample No.	Depth (ft., bgs.)	8080-PCBs and Pest. (ug/L)	8080 Pesticides and PCB's (ug/kg)																									
			Aldrin	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Dieldrin	Endrin Aldehyde	Endrin	Heptachlor	Heptachlor Epoxide	p,p' - DDT	p,p' - DDE	p,p' - DDD	Endosulfan I	Endosulfan II	α - BHC	β - BHC	γ - BHC (Lindane)	δ - BHC	Endosulfan Sulfate	p,p' - Methoxychlor	Toxaphene	Chlordane
B7-2	2		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-4	4		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B8-1	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B8-4	4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B9-1	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B9-4	4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B10-1	1		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B10-4	4		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B10-8	8		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B11-1	1		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B11-4	4		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B11-8	8		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B12-1	1		--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B12-4	4		--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B12-8	8		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1-W	W		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2-W	W		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B3-W	W		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B4-W	W		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

ND = Not Detected
- - = Not Analyzed
W = Ground Water samples reported in mg/L or ug/L

Table 4: Soil and Ground Water Analytical Data - Vacant Building

		Hydrocarbons				6010 Metals (mg/kg)																		Misc.		
							TTLC	500	500	10000	75	100	2500	8000	2500	1000	20	3500	2000	100	500	700	2400	5000			
							10XSTLC	150	50	1000	8	10	5600	800	250	50	2	3500	200	10	50	70	240	2500			
Sample No.	Depth (ft., bgs.)	Hydrocarbons	8015M-Diesel (mg/kg)	8015M - Gasoline (mg/kg)	418.1 TRPH (mg/kg)	6010 Metals (mg/kg)		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium (total)	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Miscellaneous	Hexavalent Chromium (7196)	Lead WET (EPA 3005/7420)
B5-W	W		ND	ND	ND			--	--	--	--	ND	ND	--	ND	ND	--	--	ND	--	--	--	--	ND		--	--
B8-W	W		--	--	ND			--	--	--	--	ND	0.01	--	ND	ND	--	--	ND	--	--	--	--	0.04		--	--
B10-W	W		ND	ND	ND			--	--	--	--	ND	0.06	--	0.14	0.30	--	--	0.15	--	--	--	--	0.37		--	--
B11-W	W		ND	ND	35			--	--	--	--	0.008	0.22	--	0.44	1.4	--	--	0.22	--	--	--	--	1.6		--	--
B12-W	W		ND	ND	450			--	--	--	--	0.017	0.52	--	0.10	0.19	--	--	0.59	--	--	--	--	0.59		--	--

ND = Not Detected
- - = Not Analyzed
W = Ground Water samples reported in mg/L or ug/L

Table 4: Soil and Ground Water Analytical Data - Vacant Building

Sample No.	Depth (ft., bgs.)	8240 VOCs (ug/kg)	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	Methyl Ethyl Ketone	Carbon Tetrachloride	Chlorobenzene	Chloroethane	2-Chloroethylvinyl ether	Chloroform	Chloromethane	Dibromochloromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	Cis-1,2-Dichloroethene	Trans-1,2-Dichloroethene	1,2-Dichloropropane	Cis-1,3-Dichloropropene	Trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Methylene Chloride	Methyl Isobutyl Ketone	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride	Xylenes
		8240 VOCs (ug/kg)																																				
B5-W	W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B8-W	W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B10-W	W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B11-W	W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B12-W	W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected
- - = Not Analyzed
W = Ground Water samples reported in mg/L or ug/L

Table 4: Soil and Ground Water Analytical Data - Vacant Building

Sample No.	Depth (ft., bgs.)	8270 Semi VOCs (mg/kg)	8270 Semi VOCs (mg/kg)																																							
			Phenol	Bis(2-Chloroethyl)Ether	2-Chlorophenol	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Benzyl Alcohol	1,2-Dichlorobenzene	2-Methylphenol	Bis(2-Chloroisopropyl)Ether	4-Methylphenol	N-Nitrosodi-N-Propylamine	Hexachloroethane	Nitrobenzene	Isophorone	2-Nitrophenol	2,4-Dimethylphenol	Benzoic Acid	Bis(2-Chloroethoxy)Methane	2,4-Dichlorophenol	1,2,4-Trichlorobenzene	Naphthalene	4-Chloroanaline	Hexachlorobutadiene	4-Chloro-3-Methylphenol	2-Methylnaphthalene	Hexachlorocyclopentadiene	2,4,6-Trichlorophenol	2,4,5-Trichlorophenol	2-Chloronaphthalene	2-Nitroanaline	Dimethyl Phthalate	Acenaphthylene	3-Nitroanaline	Acenaphthene	2,4-Dinitrophenol
B5-W	W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B8-W	W		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B10-W	W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B11-W	W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B12-W	W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected
-- = Not Analyzed
W = Ground Water samples reported in mg/L or ug/L

Table 4: Soil and Ground Water Analytical Data - Vacant Building

		8270 Semi VOCs (mg/kg)																												
Sample No.	Depth (ft., bgs.)	4-Nitrophenol	Dibenzofuran	2,4-Dinitrotoluene	2,6-Dinitrotoluene	Diethyl Phthalate	4-Chlorophenyl-Phenyl Ether	Fluorene	4-Nitroanaline	2-Methyl-4,6-Dinitrophenol	N-Nitrosodiphenylamine	4-Bromophenyl-Phenyl Ether	Hexachlorobenzene	Pentachlorophenol	Phenanthrene	Anthracene	Di-N-Butyl Phthalate	Fluoranthene	Pyrene	Butyl Benzyl Phthalate	3,3'-Dichlorobenzidine	Benzo(A)Anthracene	Bis(2-Ethylhexyl)Phthalate	Chrysene	Di-N-Octyl Phthalate	Benzo(B)Fluoranthene	Benzo(K)Fluoranthene	Benzo(A)Pyrene	Indeno(1,2,3-C,D) Pyrene	Dibenzo(A,H)Anthracene	Benzo(G,H,I)Perylene
B5-W	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B8-W	W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B10-W	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B11-W	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B12-W	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected
- - = Not Analyzed
W = Ground Water samples reported in mg/L or ug/L

Table 4: Soil and Ground Water Analytical Data - Vacant Building

		8080 Pesticides and PCB's (ug/kg)																										
Sample No.	Depth (ft., bgs.)	8080-PCBs and Pest. (ug/L)	Aldrin	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Dieldrin	Endrin Aldehyde	Endrin	Heptachlor	Heptachlor Epoxide	p,p' - DDT	p,p' - DDE	p,p' - DDD	Endosulfan I	Endosulfan II	α - BHC	β - BHC	γ - BHC (Lindane)	δ - BHC	Endosulfan Sulfate	p,p' - Methoxychlor	Toxaphene	Chlordane
B5-W	W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B8-W	W	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B10-W	W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B11-W	W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B12-W	W	--	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

ND = Not Detected
-- = Not Analyzed
W = Ground Water samples reported in mg/L or ug/L

TABLE 5

SUMMARY OF POTENTIAL HEALTH RISKS
EXPOSURE TO SOILS AT VACANT BUILDING SITE
1851 5TH STREET[1]

CONSTITUENT OF CONCERN	MAXIMUM CONCENTRATION (mg/kg)	PRG[2] CANCER (mg/kg)	CANCER RISK ($\times 10^{-6}$)	PERCENT CONTRIBUTION	PRG NONCANCER (mg/kg)	NONCANCER HAZARD INDEX	PERCENT CONTRIBUTION
Arsenic	10	0.51 - 4.60	2.17 - 19.6	93.84	NA	NA	
Barium	250	NA	NA		12000.00	0.02	0.58
Cadmium	1.7	2.70 - 24.06	0.07 - 0.63	3.01	NA	NA	
Chromium III	26	NA	NA		170000.0	0.00015	0.004
Copper	110	NA	NA		5000.0	0.02	0.61
Lead	1200	NA	NA		340.0	3.53	97.84
Mercury	0.9	NA	NA		45.0	0.02	0.55
Nickel	29	44 - 400	0.07 - 0.66	3.15	NA	NA	
Vanadium	18	NA	NA		1200.0	0.015	0.42
Di-n-butyl phthalate	0.0014	NA	NA		7540.0	0.0000002	0.000005
TOTALS			**2.3 - 20.9**	**100.0**		**3.6**	**100.0**

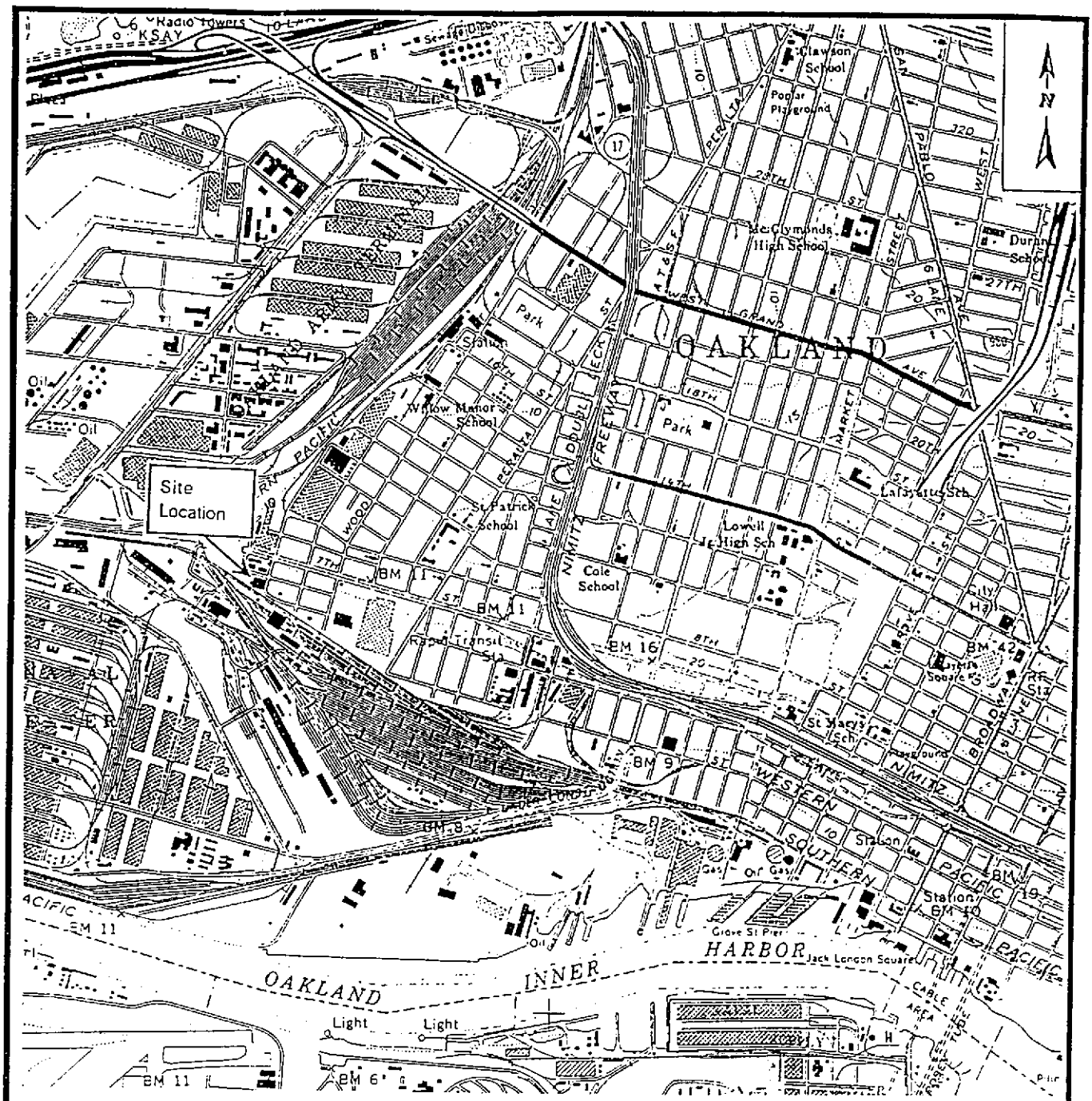
94-911 (6/6/95/js)

(1) See Table A.1 for details of calculations.

(2) PRG = Preliminary Remediation Goal (per DTSC 1993; 1995).

FIGURES

95-907/REV. 5/95



LEGEND

REFERENCE: USGS 1:24,000 SCALE
OAKLAND WEST, CALIFORNIA
QUADRANGLE TOPOGRAPHIC MAP

FIGURE 1
GENERAL LOCATION MAP
PRELIMINARY ENDANGERMENT ASSESSMENT
VACANT BUILDING
1851 FIFTH STREET
OAKLAND, CALIFORNIA
ENVIRONMENTAL SOLUTIONS, INC.

TRW-REDI
1-800-345-7334

SCALE IN 1/10 OF AN INCH

Code Area Nos. 17-001

ASSESSOR'S MAP 6

55 Scale: 1" = 50'

OAKLAND PT. (R.R. FERRY LANDING) CITY OF OAKLAND TR. 406 (Bk 5 Pg 33)

95-907/REV. 5/95

Revised 3-12-75 RM
6-24-93 CSL.
1-11-94 CSL.

Drawn 9-6-68 W.I.M.

Formerly: Blks. 494, 497

53

100

7TH STREET

121

100

60

STREET

BOOK

0

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

STATE

44

505

1808

1860

5TH STREET

60

STREET

43

1851

BAY

BOOK

45

CEDAR

43

BELLE ST.

0

VACANT BUILDING SITE
ASSESSOR'S PARCEL NO: 006-055-045

A.C.M.

Reference: R/S ARB NO. 102A (R.S. Bk. 3 Pg. 25) (ALL)

FIGURE 2

ASSESSOR'S PARCEL MAP
PRELIMINARY ENDANGERMENT ASSESSMENT
VACANT BUILDING
1851 5TH STREET
OAKLAND, CALIFORNIA

ENVIRONMENTAL SOLUTIONS, INC.

95-907 FIG. 3/REV. 6/95

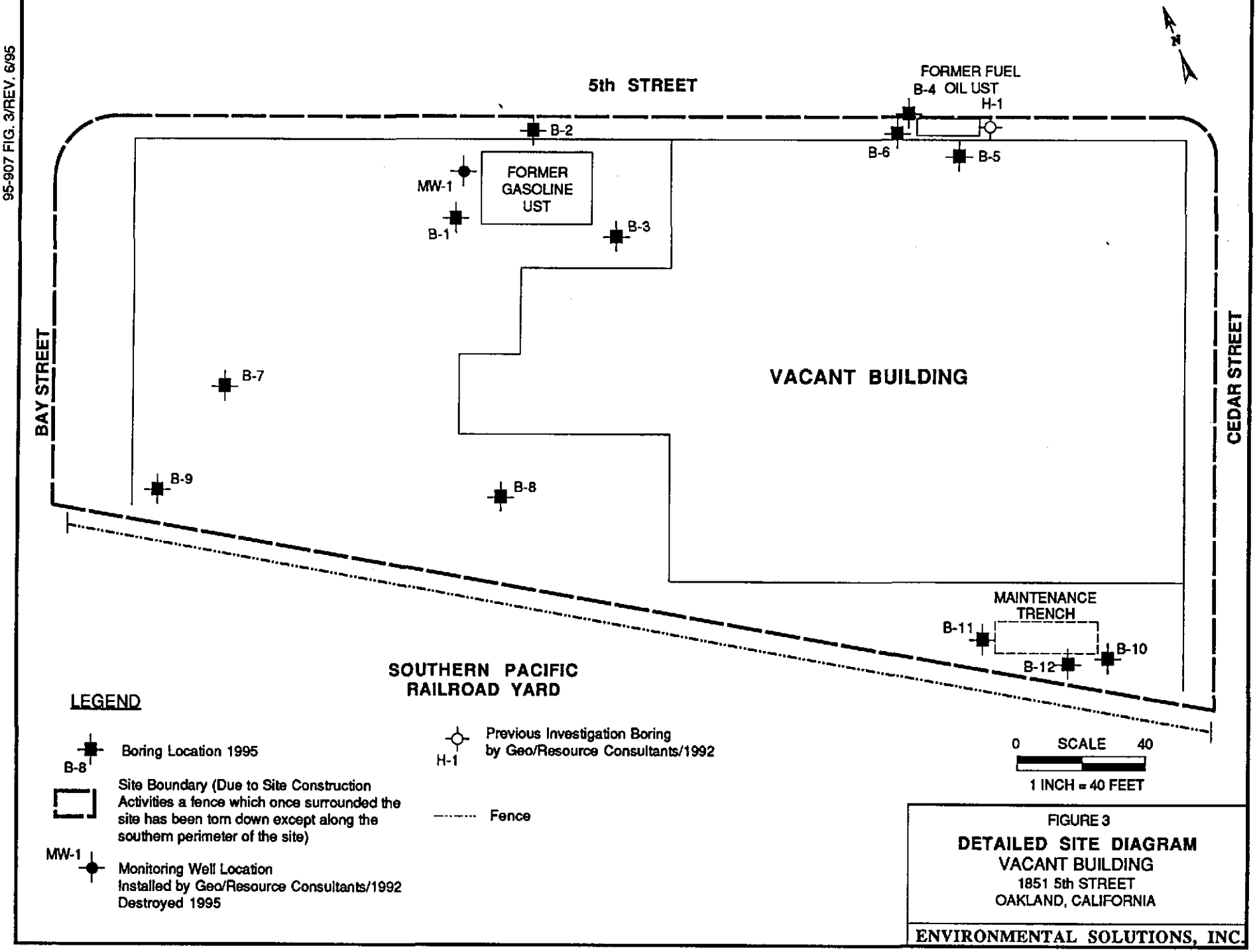


FIGURE 3

DETAILED SITE DIAGRAM

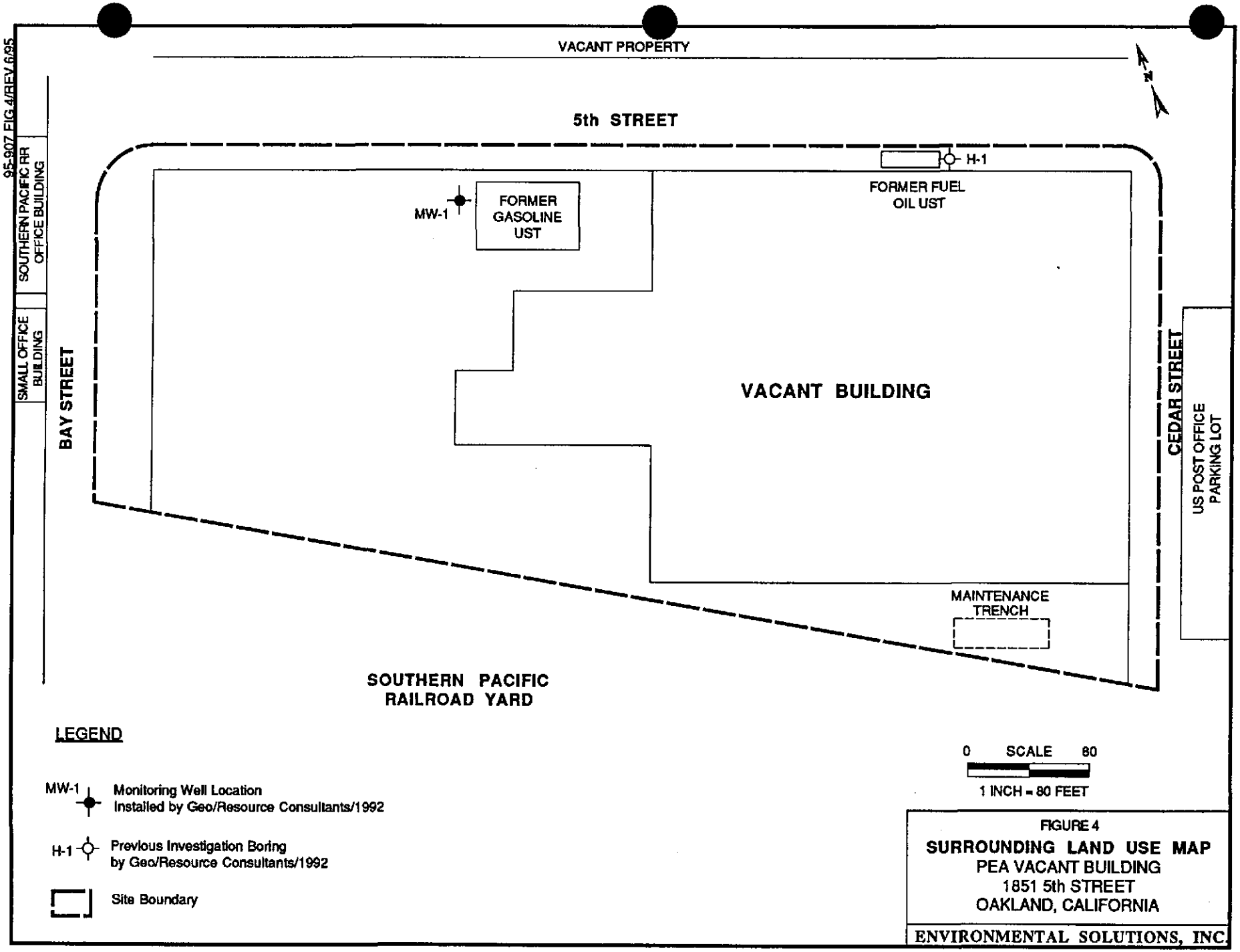
VACANT BUILDING

1851 5th STREET

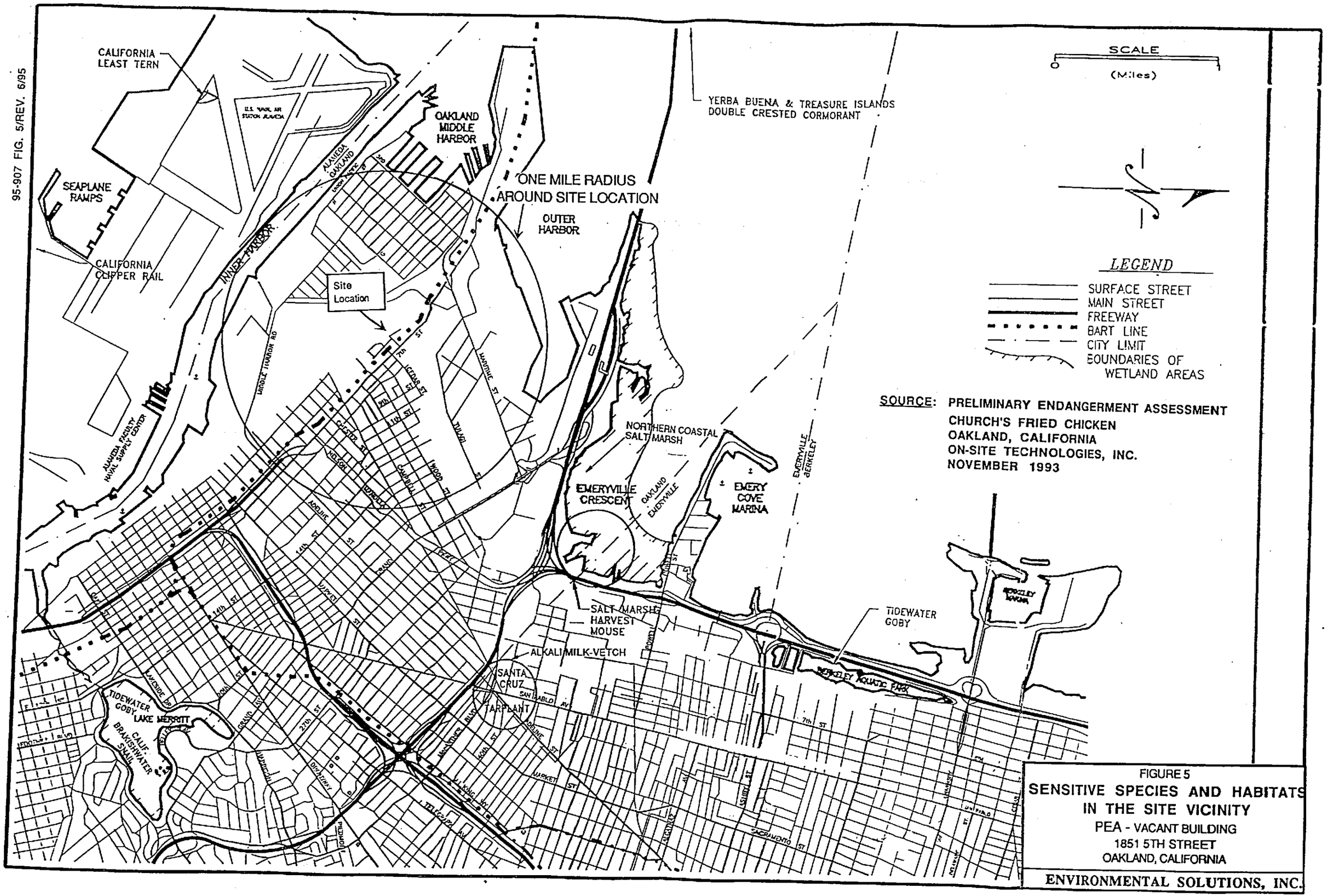
OAKLAND, CALIFORNIA

ENVIRONMENTAL SOLUTIONS, INC.

ENVIRONMENTAL SOLUTIONS


95-907 FIG 4/REV 6/95
VACANT PROPERTY
5th STREET
SOUTHERN PACIFIC RR OFFICE BUILDING
SMALL OFFICE BUILDING
BAY STREET
H-1
FORMER FUEL OIL UST
MW-1
FORMER GASOLINE UST
VACANT BUILDING
CEDAR STREET
US POST OFFICE PARKING LOT
MAINTENANCE TRENCH
SOUTHERN PACIFIC RAILROAD YARD
LEGEND
MW-1 Monitoring Well Location Installed by Geo/Resource Consultants/1992
H-1 Previous Investigation Boring by Geo/Resource Consultants/1992
Site Boundary
0 SCALE 80
1 INCH = 80 FEET
FIGURE 4
SURROUNDING LAND USE MAP
PEA VACANT BUILDING
1851 5th STREET
OAKLAND, CALIFORNIA
ENVIRONMENTAL SOLUTIONS, INC.
ENVIRONMENTAL SOLUTIONS

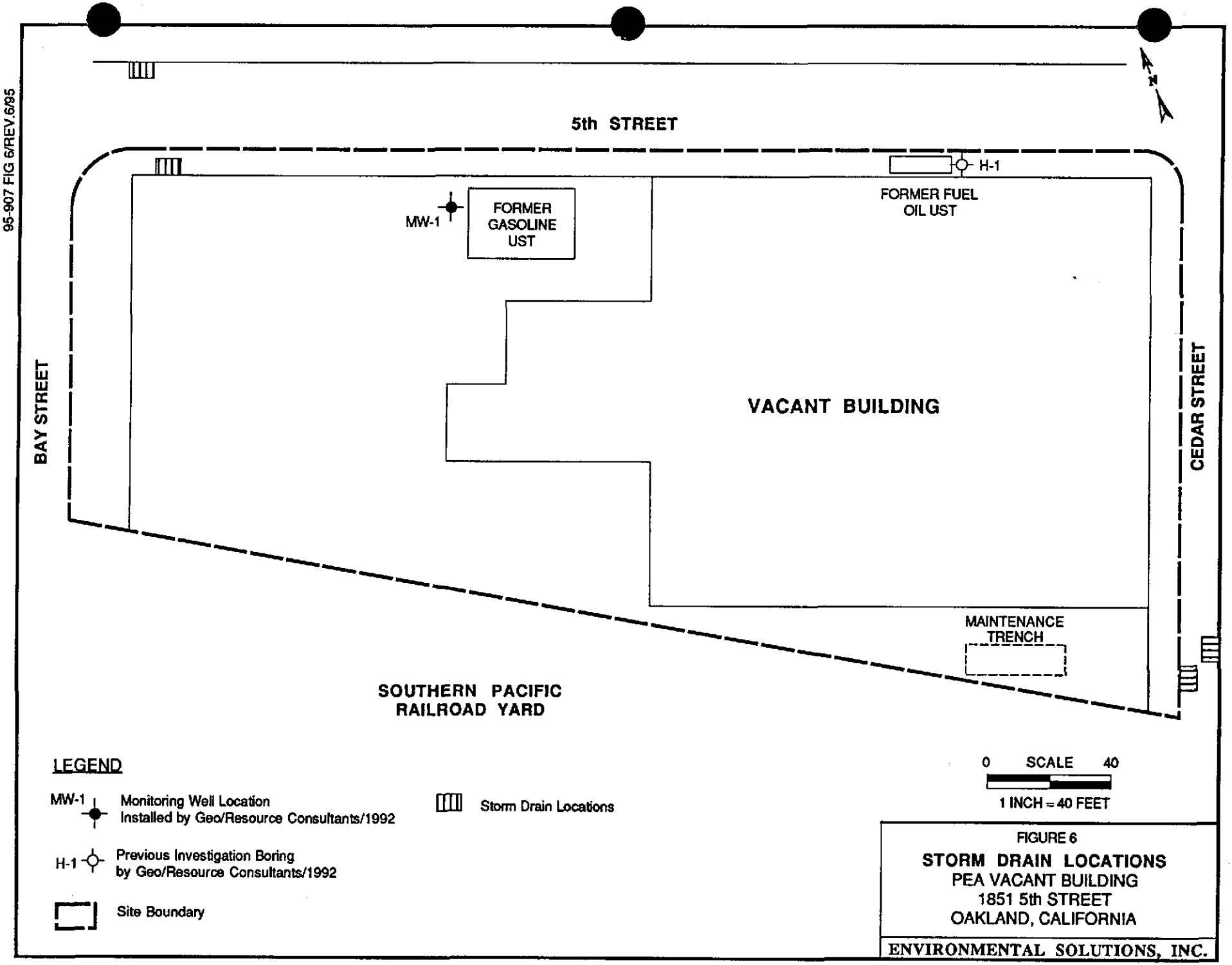
95-907 FIG. 5/REV. 6/95



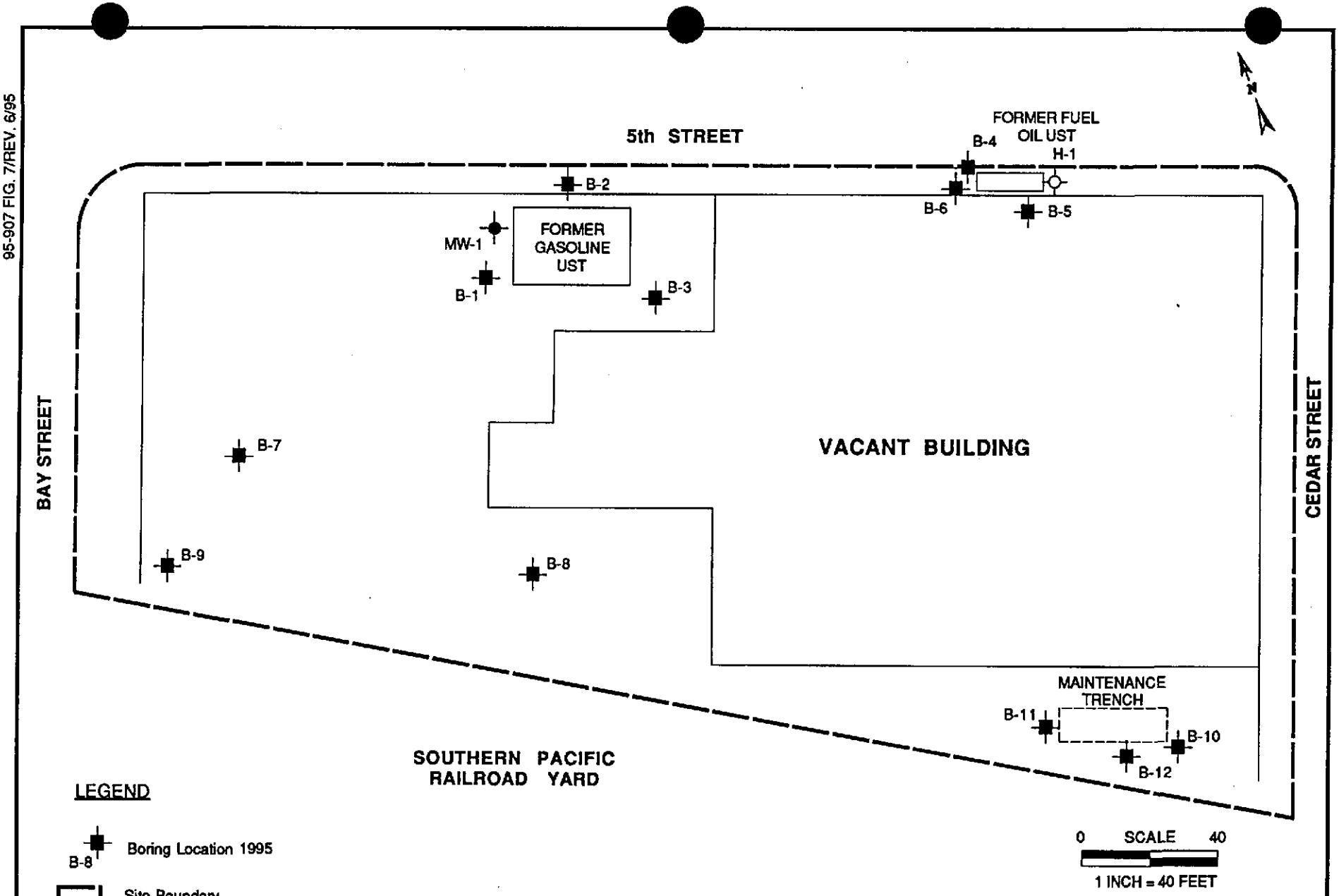
SOURCE: PRELIMINARY ENDANGERMENT ASSESSMENT
CHURCH'S FRIED CHICKEN
OAKLAND, CALIFORNIA
ON-SITE TECHNOLOGIES, INC.
NOVEMBER 1993

FIGURE 5
SENSITIVE SPECIES AND HABITATS IN THE SITE VICINITY
PEA - VACANT BUILDING
1851 5TH STREET
OAKLAND, CALIFORNIA

ENVIRONMENTAL SOLUTIONS, INC.


95-907 FIG 6/REV.6/95
5th STREET
H-1
FORMER FUEL OIL UST
MW-1
FORMER GASOLINE UST
BAY STREET
VACANT BUILDING
CEDAR STREET
MAINTENANCE TRENCH
SOUTHERN PACIFIC RAILROAD YARD
LEGEND
MW-1 Monitoring Well Location Installed by Geo/Resource Consultants/1992
H-1 Previous Investigation Boring by Geo/Resource Consultants/1992
Site Boundary
Storm Drain Locations
0 SCALE 40
1 INCH = 40 FEET
FIGURE 6
STORM DRAIN LOCATIONS
PEA VACANT BUILDING
1851 5th STREET
OAKLAND, CALIFORNIA
ENVIRONMENTAL SOLUTIONS, INC.
ENVIRONMENTAL SOLUTIONS

95-907 FIG. 7/REV. 6/95



LEGEND

B-8 Boring Location 1995

Site Boundary

MW-1 Monitoring Well Location Installed by Geo/Resource Consultants/1992 Destroyed 1995

H-1 Previous Investigation Boring by Geo/Resource Consultants/1992

FIGURE 7

BORING LOCATION MAP

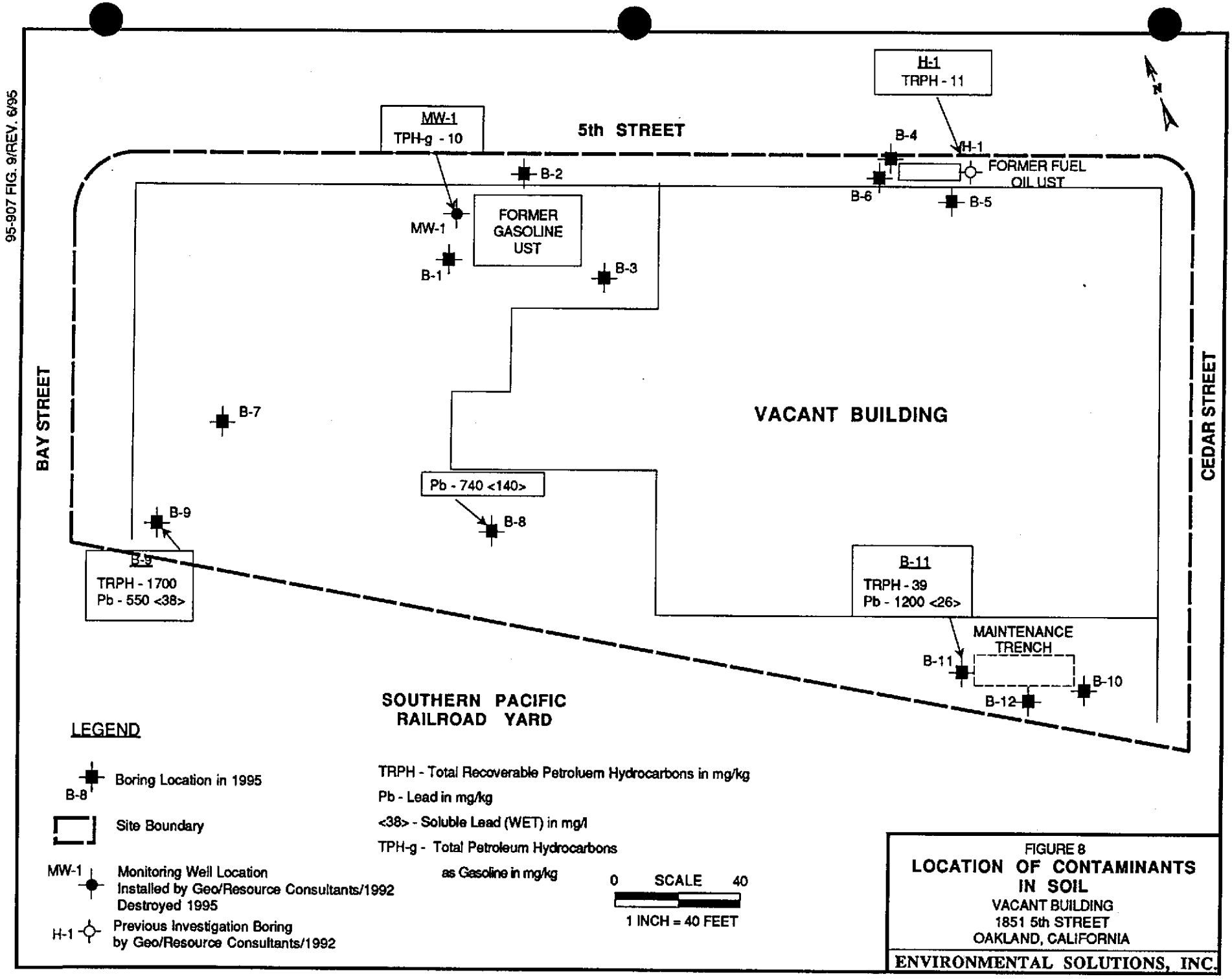
VACANT BUILDING

1851 5th STREET

OAKLAND, CALIFORNIA

ENVIRONMENTAL SOLUTIONS, INC.

ENVIRONMENTAL SOLUTIONS


95-907 FIG. 9/REV. 6/95
H-1
TRPH - 11
MW-1
TPH-g - 10
5th STREET
B-4
H-1
FORMER FUEL
OIL UST
B-2
B-6
B-5
MW-1
FORMER
GASOLINE
UST
B-1
B-3
BAY STREET
CEDAR STREET
B-7
VACANT BUILDING
Pb - 740 <140>
B-8
B-9
B-9
TRPH - 1700
Pb - 550 <38>
B-11
TRPH - 39
Pb - 1200 <26>
MAINTENANCE
TRENCH
B-11
B-10
B-12
SOUTHERN PACIFIC
RAILROAD YARD
LEGEND
B-8 Boring Location in 1995
Site Boundary
MW-1 Monitoring Well Location
Installed by Geo/Resource Consultants/1992
Destroyed 1995
H-1 Previous Investigation Boring
by Geo/Resource Consultants/1992
TRPH - Total Recoverable Petroluem Hydrocarbons in mg/kg
Pb - Lead in mg/kg
<38> - Soluble Lead (WET) in mg/l
TPH-g - Total Petroleum Hydrocarbons
as Gasoline in mg/kg
0 SCALE 40
1 INCH = 40 FEET
FIGURE 8
LOCATION OF CONTAMINANTS
IN SOIL
VACANT BUILDING
1851 5th STREET
OAKLAND, CALIFORNIA
ENVIRONMENTAL SOLUTIONS, INC.
ENVIRONMENTAL SOLUTIONS

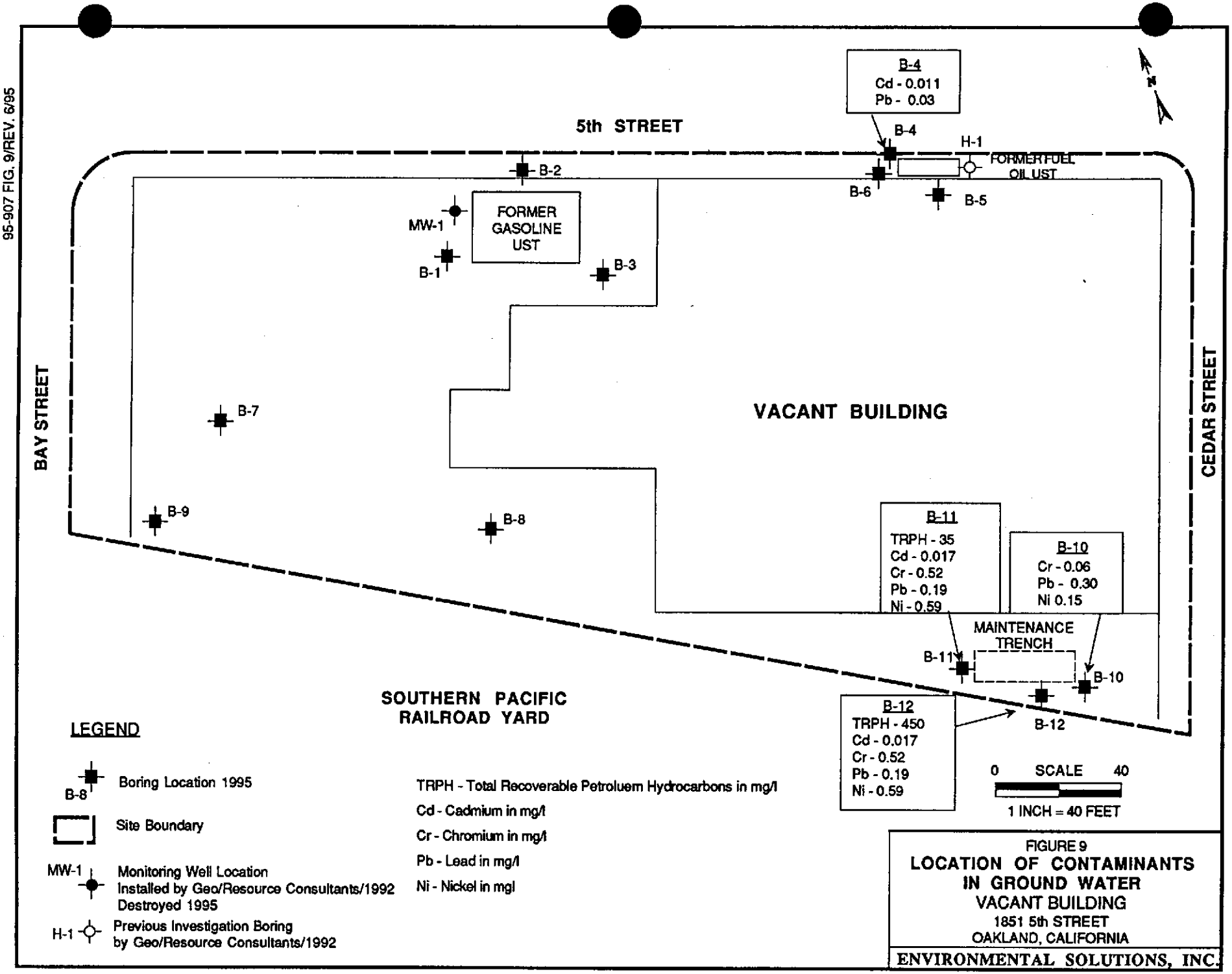


FIGURE 9
LOCATION OF CONTAMINANTS IN GROUND WATER
VACANT BUILDING
1851 5th STREET
OAKLAND, CALIFORNIA
ENVIRONMENTAL SOLUTIONS, INC.

ENVIRONMENTAL SOLUTIONS

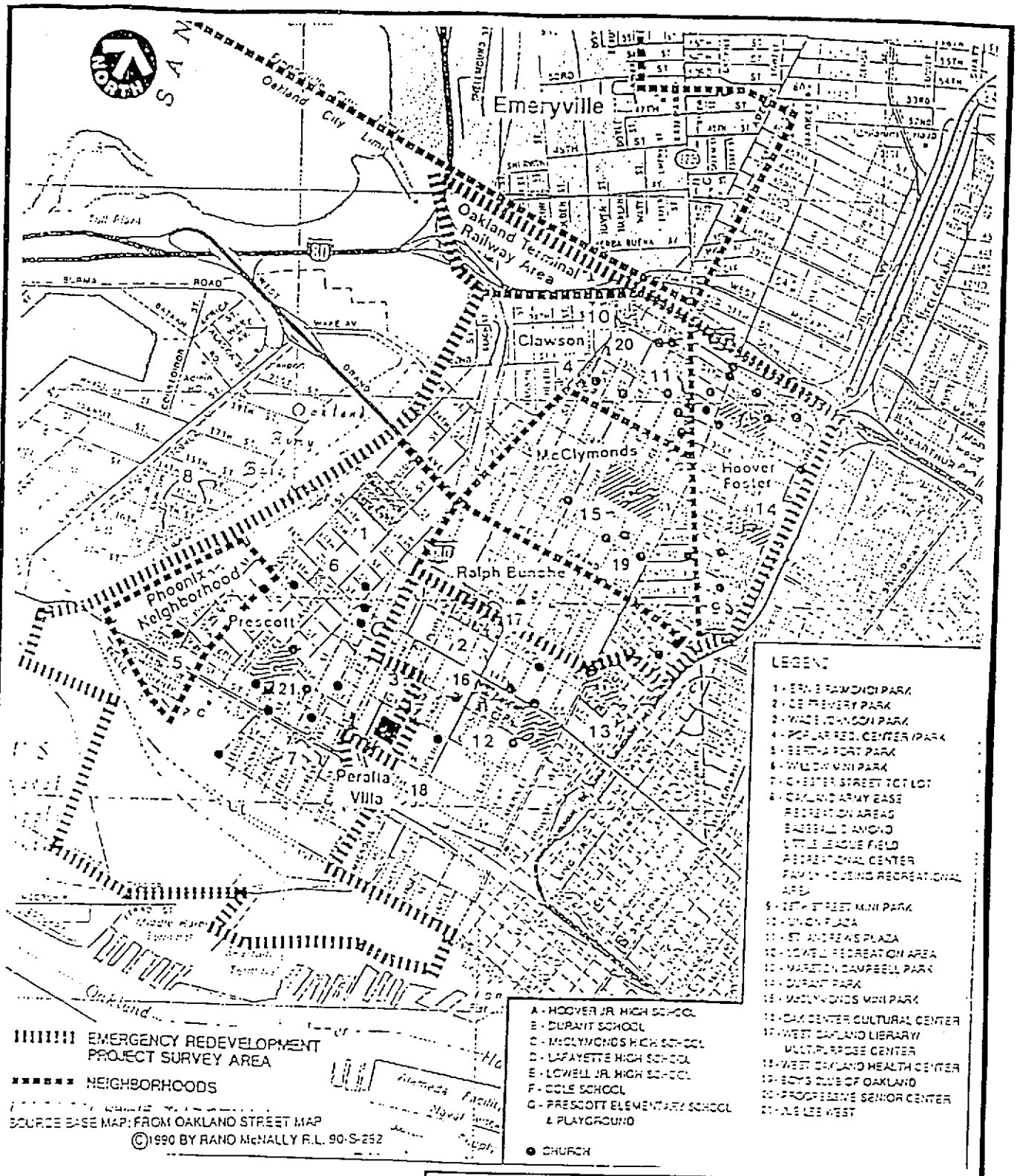


FIGURE 10
PROJECT AREA NEIGHBORHOODS AND NEIGHBORHOOD FACILITIES
PRELIMINARY ENDANGERMENT ASSESSMENT
VACANT BUILDING
1851 5TH STREET
OAKLAND, CALIFORNIA

SOURCE: Caltrans I-880/Cypress Replacement Project

ENVIRONMENTAL SOLUTIONS, INC.

APPENDIX A

DTSC MEMORANDUM

AND

TABLE A.1

State of California — Department of Toxic Substances Control

Memorandum

To

Barbara Cook
Site Mitigation Branch Region 2
700 Heinz Avenue, Suite 200
Berkeley, California 94710

Date: July 22, 1993

From

Office of Scientific Affairs
400 P Street, Fourth Floor
P. O. Box 806
Sacramento, California 95812-0806
(916) 255-2007

Subject: Cypress Freeway Re-alignment, Oakland, California
PCA Code: 11020, Site Code: 200308-00

NOTE: These Preliminary Remedial Goals (PRG's) are meant to be applied to the Cypress Freeway Re-alignment Project only, and may not be adequately health protective if used outside of this context.

Also, the PRG's presented are not generic cleanup numbers. They were computed assuming exposure scenarios in which only three of thirteen potential exposure pathways are operable.

BACKGROUND

Per your Technical Request form dated April 21, 1993, Anina Antonio's PROFS note of April 20, 1993 and several conversations, we previously calculated preliminary remedial goals (PRG's) for soil for 18 metals which the PROFS note indicated are contaminants of concern at the Cypress site. PRGs for the remainder of the compounds, mostly volatile or semivolatile organic compounds, you requested are provided in this memo.

In calculating the PRGs, the only soil exposure pathways evaluated were: direct dermal contact, incidental ingestion, and fugitive dust inhalation in the cases of semivolatile compounds or vapor inhalation for the volatile compounds. Other potential exposure pathways (e.g., food chain pathways or surface water runoff) were not evaluated because you indicated that these pathways were presently incomplete and were likely to remain so in the future. Migration to ground or surface waters was not evaluated per your request and our discussions, nor were threats to the ecosystem considered.

Additionally, per your direction, the only exposure scenarios evaluated were for construction workers employed in rebuilding the freeway and motorists who would use the re-aligned freeway. Preliminary calculations indicated both daily and lifetime exposures would be much greater for construction workers. Consequently PRG's calculated for these receptors are also protective for motorists.

GENERAL COMMENTS

1. Since we have not reviewed the site characterization data, our memo is limited to calculation of PRGs for the chemicals identified by Region 2 to be contaminants of concern. We assume that acceptable analytical and sampling procedures were used and that regional staff have determined that their selection of chemicals of

concern were based on data that appropriately reflect the extent and magnitude of contamination at the site.

2. Based on our discussions, we have calculated PRGs for a construction scenario and have used the default exposure parameters recommended by U. S. Environmental Protection Agency (EPA) for such exposure scenarios. These exposure factors are also consistent with the screening level procedures the DTSC is considering for preliminary endangerment assessments.

CALCULATION OF PRELIMINARY REMEDIAL GOALS

Based on our telephone conferences and the "PROFS" note of April 20, PRGs were calculated for 18 of the 20 "CAM 17" metals. The other chemicals for which PRGs were requested are total recoverable petroleum hydrocarbons (TPH), Total petroleum hydrocarbons (TPH) as gasoline, TPH as diesel, and eight volatile chlorinated solvents.

Toxicity criteria are not available for total petroleum products. The chemical composition of these products vary from product to product and to some extent batch to batch as they are composed of a large number of individual components. Additionally, once these products are released to the environment, they undergo differential weathering. The more volatile and mobile components volatilize to the atmosphere and/or migrate through the soil to groundwater. Additionally, the individual components are subject to differential chemical and biological degradation in the environment. It has been our policy to evaluate the risk from petroleum products by considering the most toxic individual components namely benzene, toluene, ethyl benzene, and xylene (BTEX) among the volatile products and polycyclic aromatic hydrocarbons (PAH's) among the semivolatile components. PRGs for BTEX, chlorinated solvents of concern, and PAH's are provided in this memo. We did not locate health criteria for 1,1-dichloroethene or 2-chloroethylvinlyether. Please contact us if you need further work on these compounds.

PRGs for benz[a]anthracene, benzo[b]fluoranthene, chloroform, 1,4-chlorobenzene, 1,1-dichloroethylene, 1,1-dichloroethane, benzo[k]fluoranthene, benzo[a]pyrene, chrysene, dibenz[ah]anthracene, indeno[1,2,3-cd]pyrenebenzene, tetrachloroethylene, trichloroethylene, and vinyl chloride are based on carcinogenicity. The carcinogenicity-based PRGs are calculated for cancer risk levels of 1×10^{-6} excess individual cancer risk for each individual chemical. Additivity of individual chemical carcinogenic risks should be considered when setting final remedial goals.

The PRGs for the remaining (noncarcinogenic) compounds are based on a hazard index of one for each individual chemical. Additivity of noncancer hazards with similar toxic endpoints should be considered when setting final remediation goals.

Details of the calculation of the PRGs are in Appendix A. The toxicity criteria required for the PRG calculations are listed in Appendix B. The calculated PRGs are in units of mg chemical per kg soil (ppm) and are listed below in Table I. Also note, the PRGs for carcinogens are given over a nine-fold range to account for uncertainty for less than lifetime

exposure as estimated by Kodel et. al., 1987. This is explained further in Appendix A. Please contact me at Calnet 494-2049 to discuss this or any other questions or concerns.

TABLE 1
Preliminary Remedial Goals for Organic Chemicals; Cypress Freeway Reconstruction

Compound	PRG (mg/kg soil)
carcinogens	
benz[a]anthracene	0.037 - 0.33
benzo[b]fluoranthene	0.037 - 0.33
benzo[k]fluoranthene	0.037 - 0.33
benzo[a]pyrene	0.037 - 0.33
chrysene	0.037 - 0.33
dibenz[ah]anthracene	0.037 - 0.33
indeno[1,2,3-cd]pyrene	0.037 - 0.33
benzene	3.5 - 31
tetrachloroethylene	10 - 92
trichloroethylene	27 - 250
vinyl chloride	0.1-0.94
chloroform	12 - 110
1,1-dichloroethylene	0.42 - 3.8
1,4-chlorobenzene	13 - 120
noncarcinogens	
fluoranthene	2300
pyrene	1700
ethylbenzene	74[1]
toluene	280[1]
xylene	99[1]
1,1-dichloroethane	380[1]
1,1,1-trichloroethane	470[1]
chlorobenzene	160[1]
1,2-dichlorobenzene	360[1]
naphthalene	82[1]

[1] Based on saturation concentration

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APPENDIX A CALCULATION OF PRELIMINARY REMEDIAL GOALS

A. Derivation of PRG equations. (Does not include exposure from ingestion of homegrown fruits and vegetables, or animal products that feed on vegetation grown on contaminated soil).

1. Risk = Oral cancer slope x [Incidental soil ingestion exposure for construction worker (CW) + Dermal cancer slope* x [Dermal exposure for CW] + Inhalation cancer slope x [Inhalation exposure for CW]

$$\text{Risk} = SF_o \times C_s \times \frac{IGR_{cw} \times EF \times ED_{cw} \times 10^{-6}\ kg/mg}{BW_{cw} \times AT \times 365\ days/yr} +$$

$$SF_o^* \times C_s \times \frac{SA_{cw} \times AF \times ABS \times EF_{cw} \times ED_{cw} \times 10^{-6}\ kg/mg}{BW_{cw} \times AT \times 365\ days/yr} +$$

$$SF_i \times C_s \times \frac{INR_{cw} \times EF \times ED_{cw} \times 10^{-6}\ kg/mg}{BW_{cw} \times AT \times 365\ days/yr} +$$

where: SF_o = oral cancer slope factor, $(mg/kg\text{-}day)^{-1}$
SF_i = inhalation cancer slope factor, $(mg/kg\text{-}day)^{-1}$
C_s = concentration in soil, mg/kg
AT = averaging time, 70 years for carcinogens
EF = exposure frequency, 250 days/year for construction workers (EPA, 1991)
ED = exposure duration, one year for construction worker
IGR = incidental soil ingestion rate, mg/day = 480 mg/day (construction worker)
INR = inhalation rate (m^3/work day), construction worker = 20 m^3/day
BW = body weight, construction worker = 70 kg
SA = skin surface area exposed (cm^2), = 3,160 cm^2 (head, hands, and forearms exposed; upper-bound, EPA 1992).
AF = soil to skin adherence factor, mg/cm^2 = 2.77 mg/cm^2 (EPA, 1992).
ABS = absorption factor, dimensionless.
$C_s = E_i / L_s \times V \times H$

and:

L_s = length of side = $(4.84 \times 10^6\ cm^2)^{0.5}$
V = wind velocity = 2.25 m/sec
H = mixing height = 2 m
E_i = average emission rate of contaminant i over the residential lot during the exposure interval, mg/sec, calculated as follows:

$$E = \frac{A\ 2\ D_{ei}\ P_a\ K_{as}\ C_i \times 10^3\ mg/g}{\sqrt{\pi\ \alpha\ T}}$$

where: A = area of contamination, cm^2; default = 4.84 x 10^6 cm^2,
D_{ei} = effective diffusivity of compound, cm^2/sec
$= D_i (P_a^{3.33}/P_t^2)$
D_i = diffusivity in air (cm^2/s) (EPA, 1992b).

P_t = total soil porosity, unitless = $1-(\beta/\rho)$
ρ = particle density, g/cm^3, default = 2.65 g/cm^3
β = soil bulk density, g/cm^3, default = 1.5 g/cm^3
P_a = air filled soil porosity, unitless = $P_t - \theta_m \beta$
θ_m = soil moisture content, cm^3/g, default = 0.1 cm^3/g
β = soil bulk density, g/cm^3, default = 1.5 g/cm^3
K_{sa} = soil/air partition coefficient, g/cm^3 = $(H_c/K_d) \times 41$
H_c = Henry's Law constant, atm-m^3/mole
K_d = soil-water partition coefficient, cm^3/g or ml/g
41 = conversion factor to change H_c to dimensionless form
T = exposure interval, secs; default = 9.5×10^8 seconds (30 years)

*Oral slope factor used as surrogate for dermal slope factor.

After a PRG has been determined by the above equation, it is divided by 9 and the final PRG is given as a range between the upper bound PRG to one ninth that value. As mentioned above in the main body of the memo, this is done to account for the possibility that the cancer risk from one year of exposure may be up to nine times greater than the average yearly risk from a 70 year exposure. This is based on the theoretical work of Kodell et. al., (1987) in applying the multistage model of carcinogenesis to estimation of carcinogenic risk from less than life time exposure. The PRGs which were based on cancer risk as an end point were calculated based on 10^{-6} as an acceptable risk level. When making risk management decisions, cancer risks should be summed over all compounds.

$$\text{2. Hazard} = \frac{1}{RfD_o} \times C_s \times \frac{IGR \times EF \times ED \times 10^{-6}\ kg/mg}{BW \times AT \times 365\ days/yr} +$$

$$\frac{1}{RfD_i} \times C_a \times \frac{INR \times EF \times ED \times 10^{-6}\ kg/mg}{W \times AT \times 365\ days/yr} +$$

$$\frac{1}{RfD_o^*} \times C_s \times \frac{SA \times AF \times ABS \times EF \times ED \times 10^{-6}\ kg/mg}{BW \times AT \times 365\ days/yr}$$

* Oral RfD is used as a surrogate for dermal RfD.

The default exposure factors for hazard from noncarcinogenic effects are the same as for carcinogenic risk, except "AT", the averaging time, is equal to the exposure duration (one year). RfD_o is the oral reference dose, in units of mg/kg-day. RfD_i is the inhalation reference dose (mg/kg-day).

APPENDIX B TOXICITY CRITERIA USED IN CALCULATING PRGs

TABLE B-1: Cancer Potency Slopes, Source, Weight of Evidence

Compound	CPF (mg/kg-day)$^{-1}$	Source	Weight of Evidence
benz[a]anthracene	12	CA	B2
benzo[b]fluoranthene	12	CA	B2
benzo[k]fluoranthene	12	CA	B2
benzo[a]pyrene	12	CA	B2
chrysene	12	CA	B2
dibenz[ah]anthracene	12	CA	B2
indeno[1,2,3-cd]pyrene	12	CA	B2
benzene	0.1	CA	A
chloroform	0.019[i]; 0.031°	CA	B2
1,4-dichlorobenzene	0.04	CA	C
1,1-dichloroethane	0.0057	CA	C
1,1-dichloroethylene	0.18[i]; 0.6°	IRIS	C

[i] Inhalation cancer potency slope
° Oral cancer potency slope

If more than one superscript appears beside a compound's slope factor, it signifies the same cancer slope is used for each indicated route of exposure. If only one superscript appears beside a slope, it indicates the corresponding cancer slope applies to that route of exposure only. Cadmium and nickel are considered to be carcinogenic by the inhalation route of exposure only. Chromium (VI) is not considered to be carcinogenic by the dermal route of exposure and has different slopes for the inhalation and oral routes of exposure. Arsenic and beryllium are considered to be carcinogenic by all three routes of exposure.

[CA] California Environmental Protection Agency, Standards and Criteria Work Group. June 1992. California Cancer Potencies.

[2]U.S. EPA, Integrated Risk Information System (IRIS) database, June, 1993.

TABLE B-2: Toxicity Values for Chronic Exposure Oral/Inhalation RfD/RfC

Compound	Oral RfD[a] (mg/kg-day)	Inhalation RfD[b] (mg/kg-day
fluoranthene	0.04[a]	[b]
pyrene	0.03	
ethylbenzene	0.1	0.29
toluene	0.2	0.11
xylene	2	
1,1,1-trichloroethane	0.09[c]	
chlorobenzene	0.02	
1,2-chlorobenzene	0.09	
naphthalene	0.004	

[a]All RfD's with exception of 1,1,1-trichloroethane were obtained from U.S. EPA's IRIS (Integrated Risk Information System) database (June 1993).

[b] If no inhalation RfD is listed, the inhalation RfD was assumed to be the same as the oral RfD.

[c]The RfD for this substance was obtained from the U.S. EPA's HEAST Manual.

Carcinogenic Polycyclic Aromatic Hydrocarbons

There are a number of carcinogenic PAH's which occur frequently at hazardous waste sites, including benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, indeno(1,2,3-cd)pyrene, and chrysene. The PRGs for the current assessment are based on the Office of Environmental Health Hazard Assessment (OEHHA) published cancer potency slope which is greater than the USEPA integratedetcetc IRIS value. There is considerable scientific evidence suggesting that the relative cancer potencies of these compounds may span as much as three orders of magnitude with benzo(a)pyrene considered one of the most potent and chrysene the least potent. Both the USEPA and CalEPA are considering adopting a set of toxicity equivalence factors for PAHs to be used in a manner similar to that for dioxins. Currently no official federal or state policy exists regarding such an approach. Until a policy is released, OSA will continue to use a surrogate chemical approach, wherein all carcinogenic PAHs are considered equipotent to benzo(a)pyrene.

Noncarcinogenic PAHs

PAHs detected at the site which are currently considered to be noncarcinogenic include naphthalene, anthracene, pyrene, and phenanthrene. PRGs for these chemicals are also based on a surrogate chemical approach using naphthalene as the most potent chemical. A provisional RfD for naphthalene used by USEPA Region IX is used to calculate

the PRGs. Naphthalene is currently under review by a USEPA IRIS workgroup. Although it seems likely that the IRIS workgroup will adopt the value used in our calculation (the value has recently been used in EPA Region IX), the value is still considered provisional. In addition to the uncertainty in the naphthalene RfD, the proposed PRG considers only inhalation of fugitive dust associated with naphthalene, as a surrogate for all other noncarcinogenic PAHs bound to soil particles. The physico-chemical behavior of PAHs in vapor phase vs. particulate phase is extremely complex. It is not feasible to separate out the contribution to exposure from the two phases from data currently available for the site. Naphthalene, for example, because of its greater vapor pressure than the other PAHs detected at the site, will exist mostly in the vapor phase. However, since it is a surrogate for PAHs with much lower vapor pressures, we assume that it will all be bound to soil particles and available for soil ingestion and dermal contact.

TABLE 1

Preliminary Remedial Goals (PRG's) for Metals
Cypress Freeway Reconstruction

Compound	PRG's (mg/kg soil)
Antimony	67
[c]Arsenic	4.6- 0.51
Barium	12,000
[c]Beryllium	1.8- 0.2
[c]Cadmium	24- 2.7
Chromium (III)	170,000
[c]Chromium (VI)	0.68- 0.076
Copper	5,000
Fluorine	10,000
Lead	340
Mercury	45
Molybdenum	830
[c]Nickel	400- 44
Selenium	830
Silver	830
Thallium	14
Vanadium	1200
Zinc	50,000

[c]PRG based on carcinogenic endpoint

	AY	AZ VOC1CAL.XLS BE		BK
		BASED ON ALL PATHWAYS FOR CARCINOGENS	Subchronic	BASED ON ALL PATHWAYS FOR CHRONIC EXPOSURE
18	Benzene	3.13E+01	2.58E+02	
32	Chlorobenzene		1.57E+02	1.15E+03
36	Chloroform	1.10E+02	6.01E+02	3.97E+02
43	1,2-Dichlorobenzene		3.60E+02	6.22E+03
45	1,4-Dichlorobenzene	1.20E+02	2.05E+02	1.37E+04
48	1,1-Dichloroethane	4.45E+02	3.77E+02	4.25E+03
49	1,2-Dichloroethane (EDC)	4.61E+01	3.30E+02	
50	1,1-Dichloroethylene	3.81E+00	1.04E+02	1.24E+02
61	Ethylbenzene		7.35E+01	6.56E+03
78	Naphthalene		8.20E+01	2.21E+02
81	Styrene		2.27E+02	1.33E+04
83	1,1,2,2-Tetrachloroethane	1.78E+01	1.33E+03	
84	Tetrachloroethylene (PCE)	9.15E+01	2.02E+02	5.72E+02
85	Tetrahydrofuran			
86	Toluene		2.83E+02	9.49E+03
88	1,1,1-Trichloroethane		4.73E+02	4.47E+03
89	1,1,2-Trichloroethane	6.98E+01	5.45E+02	2.27E+02
90	Trichloroethylene (TCE)	2.45E+02	2.97E+02	3.36E+02
96	Triethylamine		1.45E+04	9.69E+01
97	Vinyl chloride	9.42E-01	7.34E+02	
98	m-Xylene		9.91E+01	1.08E+05
99	o-Xylene		9.88E+01	1.13E+05
	p-Xylene		9.91E+01	4.63E+03
	Xylene (mixed)		9.88E+01	
02	1,2-Dibromo-3-chloropropan	1.11E+00	3.57E+02	6.34E+00

	AY	AZ	BK
		BASED ON ALL PATHWAYS FOR CARCINOGENS	BASED ON ALL PATHWAYS FOR CHRONIC EXPOSURE
12			
13			
14			
20	Bis(2-ethylhexyl)phthalat	6.28E+02	1.51E+03
25	Di-n-butyl phthalate		7.54E+03
40	n-Hexane		4.52E+03
43	Methyl isobutyl ketone		3.77E+03
55	Polychlorinated biphenyls	4.16E-01	
56	Polynuclear aromatic hydr		
57	Benz[a]anthracene	3.32E-01	
58	Benzo[b]fluoranthene	3.32E-01	
59	Benzo[k]fluoranthene	3.32E-01	
60	Benzo[a]pyrene	3.32E-01	
61	Chrysene	3.32E-01	
62	Dibenz[ah]anthracene	3.32E-01	
63	Fluoranthene		2.28E+03
64	Indeno[1,2,3-cd]pyrene	3.32E-01	
65	Pyrene		1.71E+03
69	2,3,7,8-TCDD (dioxin)	7.40E-05	1.37E-04

FIGURE 2.5: CALCULATION OF SATURATION CONCENTRATION FOR VOCs

$$C_{sat} = \frac{S \times (0.15K_d + 0.015 + 1.16\,H_c)}{1.5}$$

If the concentration of the contaminant in the soil is greater than C_{sat}, then the equation given in Figure 2.6 is not valid, and the calculation of volatile emissions is beyond the scope of this screening evaluation

Where:

C_{sat} = Saturation concentration, mg/kg

K_d = soil/water partition coefficient, cm^3/g (=L-water/kg-soil)
= $K_{oc} \times f_{oc}$

Where:

K_{oc} = organic carbon partition coefficient, L/kg or cm^3/g (refer to Table 3, Appendix A[a])

f_{oc} = fraction of organic carbon (default = 0.02)

S = solubility of contaminant in water, mg/L-water (refer to Table 3, Appendix A)

H_c = Henry's Law Constant, atm-m^3/mole (refer to Table 3, Appendix A)

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a. If the K_{oc} is not available in Table 3 of Appendix A, refer to Appendix B, Step 1 for the appropriate equation.

Note: The above equation incorporates the default parameters and unit conversion factors. Refer to Appendix B for the complete equation and derivation of this simplified equation.

$$E_i = \frac{1.6 \times 10^5 \times D_i \times \frac{H_c}{K_d} \times C_i}{\sqrt{D_i \times \frac{0.023}{\left(0.284 + 0.046\right) \times \frac{K_d}{H_c}}}}$$

Where:

E_i = average emission rate of contaminant i over the residential lot during the exposure interval, mg/sec

D_i = diffusivity in air for compound i, cm^2/sec (refer to Table 3, Appendix A)

H_c = Henry's Law constant, atm-m^3/mole (refer to Table 3, Appendix A)

K_d = soil-water partition coefficient, cm^3/g; calculated in Figure 2.5

C_i = bulk soil concentration of contaminant i; (chemical concentration in soil, mg/kg, x (10^{-6} kg/mg))

Note: The above equation includes unit conversion factors for the various parameters. Refer to Appendix B, Step 2 of the Volatile Emission Model for the complete equation and derivation of the condensed equation.

STATE OF CALIFORNIA - ENVIRONMENTAL PROTECTION AGENCY PETE WILSON, Governor

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MEMORANDUM

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DATE: May 5, 1995

SUBJECT: REVISED HEALTH-BASED ACCEPTABLE SOIL CONCENTRATIONS FOR CYPRESS FREEWAY PROJECT
PCA: 11050, SITE-WP: 200486-00, OUTCOME CODE: 02

INTRODUCTION

The Department of Toxic Substances Control (DTSC) Office of Scientific Affairs has been requested by the Region 2 Site Mitigation Branch to provide a recalculation of the health-based acceptable soil concentrations of carcinogenic polycyclic aromatic hydrocarbons PAHs in the light of (1) The recently revised inhalation cancer slope factor for benzo(a)pyrene by the inhalation route which was published by the Cal/EPA Standards and Criteria Work Group, and (2) the toxic equivalency factors (TEFs) for carcinogenic PAHs also adopted by the Standards and Criteria Work Group. No other new cancer slope factors or noncancer reference doses (RfDs) have been adopted or changed which would be associated with the contaminants found along the proposed route of the Cypress. Therefore, using the default residential scenario as well as default methodologies presented in the DTSC *Preliminary Endangerment Assessment Guidance Manual, January 1994*, the following health-based acceptable soil concentrations were calculated for residential soils for the carcinogenic PAH species most commonly found in petroleum-derived contamination.

TABLE A.1

CALCULATION OF POTENTIAL HEALTH RISKS
BASED ON PRGs FOR SITE SOILS
VACANT BUILDING SITE - 1851 5th STREET
OAKLAND, CALIFORNIA

CONSTITUENT	Maximum Concentration	PRG - Cancer (minimum value)	PRG - Cancer (maximum value)	Cancer Risk (Minimum)	Cancer Risk (Maximum)	Percent Contribution	PRG Noncancer	Noncancer Hazard Index	Percent Contribution
Antimony	ND	NA	NA				67.00		
Arsenic	10	0.51	4.60	2.17E-06	1.96E-05	93.83	NA		
Barium	250	NA	NA				12000.00	2.08E-02	0.58
Beryllium	ND	0.20	1.80	NA	NA		NA		
Cadmium	1.7	2.70	24.00	7.08E-08	6.30E-07	3.01	NA		
Chromium III	26	NA	NA				170000.00	1.53E-04	0.004
Chromium VI	ND	0.076	0.68	NA	NA		NA		
Cobalt	9.9	NA	NA				NA		
Copper	110	NA	NA				5000.00	2.20E-02	0.61
Fluorine	NA	NA	NA				10000.00		
Lead	1200	NA	NA				340.00	3.53E+00	97.84
Mercury	0.9	NA	NA				45.00	2.00E-02	0.55
Molybdenum	ND	NA	NA				830.00		
Nickel	29	44.00	400.00	7.25E-08	6.59E-07	3.15	NA		
Selenium	ND	NA	NA				830.00	NA	
Silver	ND	NA	NA				830.00	NA	
Thallium	ND	NA	NA				14.00	NA	
Vanadium	18	NA	NA				1200.00	1.50E-02	0.42
Zinc	ND	NA	NA				50000.00		
Acetone	ND	NA	NA				NA		
Benzene	ND	3.50	31.30	NA	NA		NA		
Chlorobenzene	ND	NA	NA				157.00		
Chloroform	ND	12.00	110.00	NA	NA		397.00		
1,2-Dichlorobenzene	ND	NA	NA				360.00	NA	
1,4-Dichlorobenzene	ND	13.00	120.00	NA	NA		205.00	NA	
1,1-Dichloroethane	ND	49.44	445.00				377.00	NA	
1,2-Dichloroethane	ND	5.10	46.10	NA	NA		46.10	NA	
1,1-Dichloroethylene	ND	0.42	3.81	NA	NA		104.00	NA	
Ethylbenzene	ND	NA	NA				73.50		
Naphthalene	ND	NA	NA				82.00		
2-Methylnaphthalene	ND	NA	NA				NA		
Styrene	ND	NA	NA				227.00		
1,1,2,2-Tetrachloroethane	ND	2.00	17.80	NA	NA		1330.00	NA	
Tetrachloroethylene	ND	10.00	91.50	NA	NA		202.00	NA	
Toluene	ND	NA	NA				283.00		
1,1,1-Trichloroethane	ND	NA	NA				473.00	NA	
1,1,2-Trichloroethane	ND	7.80	69.80	NA	NA		227.00	NA	
Trichloroethylene	ND	27.00	245.00	NA	NA		297.00	NA	
Triethylamine	ND	NA	NA				96.90		
Vinyl Chloride	ND	0.10	0.94	NA	NA		734.00	NA	
Xylenes (mixed)	ND	NA	NA				98.80		
1,2-Dibromo-3-Chloropropane	ND	0.12	1.11	NA	NA		6.34		
Bis(2-ethylhexyl)phthalate	ND	69.80	628.00	NA	NA		1510.00	NA	
Di-n-butyl phthalate	0.0014	NA	NA				7540.00	1.86E-07	5.15E-06
n-Hexane	NA	NA	NA				4520.00		
2-Methylphenol	ND	NA	NA				NA		
4-Methylphenol	ND	NA	NA				NA		
2,4-Dimethylphenol	ND	NA	NA				NA		
Methyl ethyl ketone	ND	NA	NA				NA		
Methyl isobutyl ketone	ND	NA	NA				3770.00	NA	
Polychlorinated Biphenyls	ND	0.046	0.42	NA	NA		NA		
Acenaphthylene	ND	NA	NA				NA		
Acenaphthene	ND	NA	NA				NA		
Fluorene	ND	NA	NA				NA		
Phenanthrene	ND	NA	NA				NA		
Anthracene	ND	NA	NA				NA		
Benzo(a)anthracene	ND	0.033	0.30	NA	NA		NA		
Benzo(b)fluoranthene	ND	0.033	0.30	NA	NA		NA		
Benzo(k)fluoranthene	ND	0.033	0.30	NA	NA		NA		
Benzo(a)pyrene	ND	0.003	0.03	NA	NA		NA		
Chrysene	ND	0.33	3.00	NA	NA		NA		
Dibenzo(a,h)anthracene	ND	0.003	0.03	NA	NA		NA		
Fluoranthene	ND	NA	NA				2280.00		
Indeno(1,2,3-cd)pyrene	ND	0.033	0.30	NA	NA		NA		
Benzo(g,h,i)perylene	ND	NA	NA				NA		
Pyrene	ND	NA	NA				1710.00		
Dibenzofuran	ND	NA	NA				NA		
2,3,7,8-TCDD (Dioxin/furans)	NA	8.10E-06	7.40E-05	NA	NA		1.34E-04		
TOTALS				2.32E-06	2.09E-05	100.0		3.61E+00	100.0

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94-911/T/Risk/PRGs

NOTES:

1) Preliminary Remediation Goals (PRGs) were established by DTSC (Memoranda from OSA, July 22, 1993; May 5, 1995) specifically for sites associated with the Cypress Freeway Realignment Project based on quantitative consideration of potential exposures via: Ingestion, Dermal Absorption and Inhalation of vapors or dust. The PRGs indicated herein are the minimum values established by DTSC, with the exception of constituents with carcinogenic endpoints, for which a 9-fold range is provided by DTSC to account for uncertainties associated with shorter exposure periods.

2) Constituents include only those for which either PRGs were established or detectable concentrations were reported by the laboratory. However, health risks have only been calculated for the identified Constituents of Concern (COCs); i.e., no health risks have been calculated for constituents which lack either reportable detections, or an established PRG.

3) PRGs and (maximum) reported concentration of each constituent are in units of milligram per killigram (mg/kg). Indicated health risks are dimensionless.

4) Indicated health risk (i.e., excess carcinogenic risk or Hazard Index) based on calculation of ratio of maximum reported concentration to applicable PRG, multiplied by acceptable threshold (i.e., 1E-6 or unity, as applicable). Health risks for carcinogens are calculated for both ends of the indicated range, thereby resulting in a (9-fold) range of calculated risks for carcinogenic COCs.

NA: Not Applicable (i.e., for PRGs) or Not Analyzed by laboratory (i.e., for Maximum Concentration).

ND: Not Detected by laboratory (i.e., in any of the soil samples analyzed).

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