SITE INVESTIGATION REPORT
AIRPORT PLAZA PROPERTY
HAYWARD, CALIFORNIA

Prepared For:

James Crafts, Esq., Co-Trustee
Adolph P. Schuman Marital Trust
400 Sansome Street
San Francisco, CA 94596
(415) 773-5656

Submitted by:

Michael W. Van Brunt, Principal
Glenn A. Romig, P.E.
Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
(510) 685-5900

December 12, 1995

December 12, 1995

James Crafts, Esq., Co-Trustee
Adolph P. Schuman Marital Trust
400 Sansome Street
San Francisco, California 94596

Subject: Site Investigation Report
Airport Plaza Property
Hayward, California

Dear Mr. Crafts:

In accordance with your request, we have performed a site investigation report for the above referenced property in Hayward, California. The accompanying report summarizes the results of our field investigation activities, laboratory testing and evaluation of the resulting data, and presents our conclusions regarding the assessment.

We refer you to the report for detailed discussion of our investigation.

Thank you for the opportunity to work with you on this property. If you have any questions concerning our investigation, please feel free to call.

Sincerely,

VAN BRUNT ASSOCIATES

Michael W. Van Brunt
Principal

Glenn A. Romig, P.E.

LICENSED ENVIRONMENTAL ASSESSOR
GLENN A. ROMIG
No. 1167
Expires: 6-30-96
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
GLENN A. ROMIG
39882
EXP. 12-31-97
CIVIL
STATE OF CALIFORNIA

MVB:lmr
94502.75

cc/enc: Ms. Amy Leech, Alameda County Health Department
Mr. Greg O'Hara, Thelen, Marrin, Johnson & Bridges
Mr. Eddy P. So, P.E., CRWQCB
Mr. Mike Wallace, Fremont Bank

VAN BRUNT ASSOCIATES 1517 N. Main St. • Suite 204 • Walnut Creek, CA 94596 • Phone 510•685•5900 • Fax 510•945•0606

TABLE OF CONTENTS

Page No.

SITE INVESTIGATION REPORT
FOR
AIRPORT PLAZA PROPERTY
HAYWARD, CALIFORNIA

1.0 INTRODUCTION

We are pleased to present the results of our site investigation for the Airport Plaza property, located northeast of the intersection of West Winton Avenue and Hesperian Boulevard, in Hayward, California, as shown on the Vicinity Map, Figure 1. The purpose of this investigation was to assess the distribution and extent of volatile organic compounds present in the soil and ground water at on-site and off-site locations. This report presents information on the chemical analyses of several ground water and soil samples, and provides discussion of the site history, topography, geology, and hydrogeology.

1.1 Site Background

The site consists of a 3.21-acre property which currently is vacant. The southern portion of the property has been occupied by a shopping center from about 1961 until recent demolition in November and December of this year. Tenant spaces at 23958 Hesperian Boulevard and 991 West Winton Avenue have historically been used for dry cleaning businesses. No other prior uses or tenants of the shopping center portion of the site have been identified which are areas of concern from an environmental basis. The northern approximately 1-acre portion of the site is also currently vacant, and has been vacant since about 1981. This part of the site was previously occupied by a dairy facility from about 1958 until it was demolished in about 1981.

1.2 Scope of Work

The scope of work of this investigation was performed in substantially in accordance with the workscope presented in the September 25, 1995 letter from the California Regional Water Quality Control Board (CRWQCB), and as discussed in detail in our agreement with you dated September 29, 1995. In order to accomplish this work we have performed the following services:

- Exploration of the subsurface conditions by advancing eight exploratory borings to depths ranging from 18 to 25 feet, and logging and sampling the soils encountered. Ground water samples were also obtained with temporary casings at the three soil borings located inside the former dry cleaning facility at 23958 Hesperian Boulevard. In addition, soil samples were obtained at two locations, concurrent with obtaining ground water grab samples, to depths of 5.5 feet.

- Collection of ground water samples at 12 locations, in addition to those discussed above, using grab and hydropunch techniques.

- Based upon the results of the ground water analysis from the initial hydropunch/grab sampling, four additional exploratory borings were advanced to depths ranging from 27 to 32 feet, and were converted to permanent ground water monitoring wells. The wells were developed prior to sampling. Two of the wells were installed on the Airport Plaza property while the other two were installed on the City of Hayward Airport property. The elevation of these wells was surveyed by a registered land surveyor.

- The newly installed monitoring wells were sampled. In addition, we obtained split samples from Texaco monitoring wells MW-3C, -3F, -3G and -3H during Texaco's quarterly monitoring of these wells.

- Laboratory analysis of the ground water and selected soil samples for halogenated volatile organic compounds (EPA Test Method 8010), by State

Department of Health Services certified analytical laboratories. In addition, a number of quality control/split samples were analyzed.

- Review of the Alameda County Flood Control District's database for known wells located within a 1/2-mile radius of the site.

- Evaluation of the resulting field and laboratory data, and various office review tasks of the geologic and environmental setting of the site.

- Preparation of this report as a summary of our findings.

We also present in this report the results of the soil vapor survey and ground water sampling of the Texaco wells which were performed this spring. In our agreement with you, we had proposed obtaining the required soil samples along the sewer line at the south property line, during demolition of the line. Do to the initial belief during demolition that the 1.5 feet deep cast iron line was the sewer line, five exploratory borings were advanced in this area to obtain samples at the required deeper depths. In addition, because a number of the upper soil samples in the borings had significant concentrations of PCE, additional soil samples were analyzed.

2.0 SITE HISTORY

Below we present a summary of pertinent aspects of the history of the site and nearby sites, as obtained from various previous reports. Van Brunt Associates conducted a Phase I environmental site assessment of the site, dated March 10, 1995. This Phase I focused on the former shopping center portion of the property, and did not include the approximately 1-acre portion of the site north of the former shopping center. Pertinent historical information gathered during the Phase I is briefly discussed below. We refer you to the Phase I for further discussion of the findings. Aerial photographs taken prior to development of the shopping center, in 1950 and 1952, show the property as part of an orchard. By 1958 the site was vacant property, and a gas station had been developed south of the site at the location of the current Exxon station. According to the Hayward Planning Department, the shopping center was constructed beginning in 1961.

Two tenant spaces were identified as having historically been used for dry cleaning businesses. Based upon review of Polk, Haines or telephone directories from 1961 to 1980, Payless Cleaners occupied 991 West Winton (most recently occupied by the Canton Chinese Restaurant). Gene's Norge Cleaners occupied 23958 Hesperian Boulevard from approximately 1972 to 1988, while Jack's Norge Cleaners (the most recent tenant) was the occupant from 1989 through mid-1995. Washing well, apparently a self service laundry occupied 23958 Hesperian from 1961 until 1971. No other on-site dry cleaning facilities or other businesses which would be expected to use significant quantities of hazardous material were identified in the historical research.

It is also noteworthy, that on August 8, 1994, the Hayward Fire Department issued a violation notice to the operator of Jack's Norge Cleaners to stop gravity dispensing of perchloroethylene (PCE) and to provide secondary containment for the existing drums.

2.1 Additional Previous On-Site Investigations

In addition to the Phase I prepared by Van Brunt Associates referenced above, several other environmental investigations have been performed at the site. The pertinent findings of each of the previous reports are briefly summarized below.

- Krazan & Associates, November 11, 1994 - This Phase I report was prepared for Taco Bell, and included reviewing the history of the property, reported contamination spills in the area, and other research tasks. Krazan performed a detailed site visit as part of their study. While visiting Jack's Norge Cleaners, the dry cleaning machines were noted to be clustered in the eastern portions of the tenant space. The dry cleaning machines included a dry cleaning machine, two dryer machines, one sniffer machine, a filter rack, one still cooker, and a filter drying machine. According to Mr. Jack Hom, the owner, perchloroethylene was utilized in the dry cleaning machine. The PCE solution was contained within a steel reservoir built into the base of the cleaning unit. Spent PCE solution recovered by the still cooker reportedly was collected within an open metal pan at the base of the still cooker. Reportedly, this material was drummed periodically and removed by the chemical supplier, Safety-Kleen. The sides of the dry cleaning machine and adjacent concrete floor were reportedly stained by numerous small areas of what appeared to be liquids drippage.

Five 55-gallon drums were noted in the area of the dry cleaning machines. Two of the drums reportedly contained waste PCE, one drum waste filters, one drum staticol cleaner, and one drum was empty, but had labels indicating that it had previously contained PCE. Double containment was not provided for the drums. The exterior of one of the spent PCE-containing drums as well as the empty drum were stained, apparently due to spillage. The concrete floor near the drums was partially stained by what was believed to be liquid drippage. In addition, an open floor drain near the dry cleaning machinery had four hoses draining to it. These hoses originated from the sniffer machine, an air compressor, a convention washing machine and an inactive boiler. We refer you to the Krazan report for further discussion of their findings.

- Krazan & Associates, November 22, 1994 - This Phase II report included advancing three borings (B1, B2, and B3) at the site to about 5 feet below the ground water level, installing a temporary casing and obtaining a ground water sample. One soil sample and one ground water sample were obtained from each of these borings and analyzed for halogenated volatile organic compounds (VOC's) and petroleum hydrocarbons constituents. In addition, one boring (HA-1) was advanced to a depth of 10 feet in the dirt area behind the dry cleaner building. Concentrations of PCE of 56 and 140 parts per billion (ppb) were detected in the ground water samples from Borings B1 and B2, respectively. These borings were both located in a down-gradient direction of the former dry cleaning businesses. PCE was not detected in the grab sample from Boring B3, located west of the building, near the property line with the adjacent Exxon (formerly Texaco) gas station. A low concentration of vinyl chloride (15 ppb) and significant concentrations of petroleum compounds were also detected in this grab sample. In addition, PCE and hydrocarbon compounds were not detected in the soil samples analyzed from each boring.

- Applied GeoSystems, September 10, 1990 - This Phase I/Phase II report included reviewing the site history of the northern 1.02-acre portion of the site, which was previously occupied by the dairy facility. In addition, one exploratory boring was advanced to just below the depth ground water was encountered and soil and ground water samples were analyzed. Aerial photographs reviewed as part of the study showed the site to be vacant in 1957. By 1959 a single story building, reportedly housing All Jersey Dairy had been constructed on the northern 1.02-acres. By 1983 the site was again vacant. Records reviewed at the city building department included

a permit for construction of a milk depot on May 6, 1958, and a permit for demolition of the building on December 26, 1980.

While no indications of hazardous materials storage, disposal, or spillage on-site were identified, the report includes analytical results from the analysis of soil and ground water samples from one boring in the loading/unloading area of the former milk depot. No gasoline or diesel related compounds were detected in the ground water sample analyzed. A low concentration of diesel was detected in a composite soil sample taken off the drilling auger (140 parts per million [ppm]), and from the soil sample obtained at a depth of 15 feet (110 ppm).

The report also discusses a file review for the property currently occupied by Oil Changers, located directly across West Winton Avenue from the current Exxon station. At the time of the report the Hayward Fire Department records contained records of demolition of a gas station at this site. A report containing the results of soil samples below the former underground storage tanks at this site was not in the files. However, a ground water monitoring well installed following demolition, indicated 1,100 ppb total petroleum hydrocarbons as gasoline (TPHg) and 4 ppb benzene present in the ground water. No further records were available for this site which is currently on the underground fuel leaks list. During our recent review of the files currently available at the Hayward Fire Department, no results of volatile organic compound analysis were available for the well; a plan prepared in 1993 for the Oil Changers facility showed that the monitoring well was to be maintained on-site during the construction of their facility.

- Applied GeoSystems, April 30, 1991 - This Phase II report included advancing four additional soil borings in the reported loading/unloading area of the former milk depot, and construction of one ground water monitoring well in one of the borings. Two soil samples were analyzed from each of the borings and one ground water sample was analyzed from the well. No gasoline or diesel related compounds were detected. The report concluded that the initial low diesel concentration detected in the soil was believed to be very localized and not a threat to ground water quality.

2.2 Previous Off-Site Investigations at the Former Texaco Site

A number of environmental investigations have been performed at the adjacent gas station site, currently an Exxon station. We understand that Texaco operated a station at the site for a number of years and is the responsible party for the gasoline spill which has impacted the site. As part of the site investigations for the spill, eight monitoring wells have been installed. Monitoring wells MW-3A through MW-3E are located on the service station property, MW-3F and MW-3G are located on the Hayward Airport property across Hesperian Boulevard, and MW-3H is located on the Airport Plaza property. In September of 1992, and periodically since then, ground water from several of these wells were analyzed for halogenated VOC's, in addition to petroleum constituents. The historical VOC readings from these wells and the Airport Plaza wells is included in Table A-1 in Appendix I. Monitoring Well MW-3H on the Airport Plaza site and those on the Hayward Airport site have historically had significant concentrations of halogenated VOC's. Copies of the boring logs from the Texaco wells are included in Appendix III. We have not seen any reference to VOC testing of the soil during the site investigation activities.

To address the gasoline spill at the site, soil vapor extraction and ground water pump and treat systems have reportedly operated at the site for about 5 months beginning in February of 1995. We understand that the soil vapor extraction system included 11 vapor extraction wells and three air sparging wells. We also understand that ground water extraction occurred for a portion of the cleanup. The system is no longer in use and we understand that Texaco is or will soon request site closure. Two of the vapor extraction wells were located within 8 and 16 feet of the Airport Plaza property. The location of the Texaco soil vapor extraction and sparging wells is included on a site plan in Appendix III.

The records of the Hayward Fire Department also included information concerning a sump closure at the former Texaco Station (International Technology Corporation, 1991). The sump, or bay drains, as they were referred to on the closure drawing, was 57.5 inches long, 24 inches wide, and 33.5 inches deep. Two soil samples were collected about 10 inches below the bottom of the sump. The only volatile organic compounds detected in the samples were acetone at 280 ppb, and dichlorormethane at 110 and 120 ppb. The Texaco sump was located near the northwest corner of the service station building, about 15 feet from the south property line of the Airport Plaza property.

3.0 SITE DESCRIPTION

3.1 Site Features

At the time of our initial field investigation activities on October 13, 1995, the site was developed with four shopping center buildings, associated landscaped areas and asphaltic concrete pavements. All the tenant spaces had been vacated by this time. A chain link fence surrounded the site. The northern 1-acre of the site was a vacant dirt field, with sparse, scattered vegetation. Demolition of the on-site buildings occurred beginning about November 1 and continued through about December 1. The site is currently vacant, with plastic tarps covering the former dry cleaner areas. Our observations during site demolition are discussed in Section 3.4. There were no surface catch basins on the Airport Plaza property prior to demolition.

3.2 Site Vicinity

The adjoining properties are the Exxon gas station, located south and west of the site; Hesperian Boulevard to the west; single family residences to the north; single family residences and a commercial building located to the east; and West Winton Avenue to the south.

The site vicinity is generally commercial and retail, particularly along West Winton and Hesperian. Residential property is generally present to the east of the site. The City of Hayward Airport is located to the west of the site, across Hesperian Boulevard. An Oil Changers is located directly across West Winton Avenue from the Exxon station.

3.3 Topography Features

The site is located at an elevation of approximately 48 feet. The U. S. Geological Survey Hayward Quadrangle map shows that the ground slopes gently to the west in the site vicinity, with a slope of about 8 feet vertical across 1000 feet horizontal. Surphur Creek is located about 3000 feet to the north of the site. The San Francisco Bay is located about 2.5 miles to the west of the site.

3.4 Observations Prior To And During Shopping Center Demolition

Prior to demolition, we observed the interior of the building containing the two former dry cleaning facilities. The area along the east side of the space (where the dry cleaning machines and drum storage areas were located) formerly occupied by Jack's Norge Cleaners was bare concrete floor, as well as an area near the south central portion of the space. Floor tile or carpeting were present throughout the remainder of the space. Two floor drains were observed inside this tenant space, apparently associated with equipment use, one in the southwest corner of the space, and the second in the south central portion of it. A number of cracks were noted in the building slab, particularly in the area of the south central portion of the space. Hairline cracks were present in the area of the former dry cleaning equipment area at the east end of the tenant space. In addition, a 1.5-inch diameter pipe was noted coming out of the slab, in the central portion of the space. The function of this pipe is unknown.

Following demolition of the above grade portions of the building, the concrete slab was exposed across the entire building. In the tenant space formerly occupied by Jack's Norge Cleaners, an 8 foot wide by 30 foot long area, where the floor slab had been replaced was visible. The 1.5-inch diameter pipe noted above was within this portion of the slab. Also visible were slab cuts for a utility line which appeared to have been installed from this pipe to the utility area at the south property line. The slab in Jack's Norge Cleaners space was 6-inches lower than that of the formerly Payless Cleaners space. The area where the two slabs met, along the east side of Jack's Norge Cleaners space, would have been a potential opening for fluid to reach the underlying soils. Our observations at the former Payless Cleaners noted one floor drain and one toilet inlet at the southwest portion of the space. A number of cuts in the floor slab appeared to have been made for plumbing lines in the area of the northernmost floor drain.

We did not observe the slab demolition. The slabs across both tenant spaces were reportedly of uniform thickness, and no evidence of underground storage tanks or sumps were found during demolition. The area following slab removal was level and covered uniformly with base material.

The sewer line at the south property boundary of the site consisted of a 4-inch cast iron pipe, buried approximately 1.5 feet below grade. The floor drains and bathroom

plumbing appeared to flow into this cast iron line. Also present at a depth of 5 to 6 feet, was a 8-inch diameter clay tile pipe, which was initially believed to be the storm drain line. Recent discussions with a City inspector indicate that the clay tile pipe probably was the main sewer line which connects with the City line in Hesperian boulevard. Both the shallow 1.5 feet deep cast iron lines and the deeper clay tile line appeared to be present along the entire south property line with the Exxon station. The shallower line appears to have feed into the deeper line before reaching the sidewalk at Hesperian Boulevard as only the deeper line was observed leaving the site, when the contractor excavated a pit at the southwest corner of the site to plug the utility lines leaving the site.

3.5 Off-Site Storm and Sanitary Sewer Lines

The location and depth of the sanitary sewer and storm drain lines in the site vicinity were reviewed at the City of Hayward Engineering Department. The City sewer main map, dated June 1992, shows that a **sanitary sewer line is present along Hesperian Boulevard, about 27 feet west of the curb line adjacent to the Airport Plaza site. The sewer flows to the north in the site vicinity**. No line is present along West Winton Avenue to the west of the site. Invert elevations range from 32.59 feet (15.61 feet below grade) at the intersection of West Winton and Hesperian to 31.89 feet (17.61 feet below grade) near the intersection of Phillips Way and Hesperian, about one block north of the site. The sewer line continues north along Hesperian Boulevard to near Skywest Drive, where it begins flowing to the southwest and moves onto the Hayward Airport property.

The City storm drain map, dated July 1993, shows that the storm drains in the site vicinity are also located along Hesperian Boulevard. The storm drain runs along the northeast side of Hesperian, just off the property boundary of the site. Invert elevations range from 44.4 feet (app. 4 feet below grade) at the intersection of West Winton and Hesperian to 42.4 feet (7 feet below top of curb) near the intersection of Phillips Way and Hesperian, about one block north of the site. The storm drain continues north on Hesperian past Sueirro Street, where it discharges into Sulphur Creek. A separate storm drain line is present along West Winton, about 400 feet west of Hesperian. This storm drain is also about 5 feet below the top of curb and drains to the west along West Winton.

3.5 Well Survey

A well survey was conducted to locate wells within a 1/2 mile radius of the site. According to the computer and map records of the Alameda County Flood Control District, there are 86 wells located within a 1/2 mile of the site. These wells include monitoring wells, industrial wells, borings, domestic wells, irrigation wells, abandoned wells, cathodic protections wells, destroyed wells, and wells whose use could not be ascertained by the District. Reportedly, the district's database does not include wells installed within the last two years.

Of the wells within a half mile of the site, 41 wells were located in a down or cross gradient direction (west) of the site. Thirteen of these wells are identified as monitoring wells. Another eight of these wells are reported as being abandoned, destroyed, or for boring or cathodic protection purposes. The remaining 20 wells are identified as being domestic (3), industrial (4), irrigation (8), or undetermined use (5).

In addition, we understand that the City of Hayward has installed one well for domestic emergency purposes along West Winton Avenue, about 600 feet west of Hesperian Boulevard. Our discussions with the public works staff indicate that the well did meet some of the specified production criteria desired, and that it may or may not be finished for the intended use. The well is reportedly over 500 feet deep, and would have been sealed at least for the upper 50 feet as required by current regulations. The well survey data is summarized in Table E-1 in Appendix V.

4.0 SITE EXPLORATION

The site investigation activities performed by Van Brunt Associates for the site are described below. The analytical results from the soil and ground water samples collected are presented in Section 5.0 of this report.

4.1 Soil Vapor Survey

On January 23 and 24, 1995, a soil vapor survey was performed at the site by Transglobal Environmental Geochemistry (TEG), under our direction. The survey was performed by hydraulically pushing a 1-inch diameter steel probe to depths ranging from 5 to 20 feet.

Once the probe was pushed to the sampling depth, the probe was opened to allow vapor access to the sampling port. Soil vapor was then withdrawn using nylaflow tubing attached to the tip of the probe. Vapor samples were analyzed on-site with a mobile laboratory. Following completion of the survey, the probe holes were grouted. The results of the Vapor Survey are presented in Appendix VI. The location of the vapor probes is shown in Figure 10. Relatively low or non detectable concentrations of PCE were detected in the survey.

4.2 Exploratory Borings, Hydropunch and Ground Water Grab Sampling

On October 13, TEG's Strataprobe sampling system was used to obtain soil and/or ground water samples at locations HP-1 through HP-12. The ground water sampling locations are shown in Figures 4 and 5. The soil sampling locations are shown on a more detailed drawing of the site in Figure 6. Ground water samples were obtained at locations HP-9 and HP-10 using a 2 foot long, 1.25-inch diameter steel hydropunch, which was hydraulically pushed approximately 5 feet below the expected ground water level. The hydropunch was then opened by raising the outer casing 2 feet and a ground water sample was obtained with a stainless steel bailer. Due to the slow recovery, and at some locations lack of recovery of ground water using this method, the remaining ground water samples were obtained by bailing through a 1-inch diameter clean PVC casing which was placed in an open hole, created by a 2-inch diameter probe. All ground water samples were obtained within 5 minutes of initially opening the hole. Following completion of the sampling, the probe holes were grouted. Table 1 below summarizes the methods used to collect the ground water samples; the locations are listed in the order the work was performed in the field.

Table 1. Summary of Methods used During Collection of Ground Water Samples, Airport Plaza Property, Hayward, California

Hydropunch Method

Location	Sampling Depth	Notes
HP-9	22 to 24	Good recovery with hydropunch
HP-10	24.5 to 26.5	Good recovery with hydropunch
HP-11	23.0 to 25.0	No recovery after 15 minutes
HP-12	25.0 to 27.0	No recovery after 15 minutes

Grab Method

Location	Total Depth of Hole
HP-11	28
HP-12	28
HP-8	28
HP-7	28
HP-6	25
HP-3	25
HP-1	25
HP-2	25
HP-4	25
HP-5	25

The Strataprobe system also allowed undisturbed soil samples to be obtained from various depths by percussion driving a specially designed 2-inch outer diameter piston/split barrel sampler. The piston prevented the sampler from filling as it is advanced to the sampling depth. The piston was retracted at the sample depth, and driven 18-inches during sampling. Undisturbed soil samples were obtained in 6-inch long 1.5-inch diameter brass liners, using this method from locations HP-5 and HP-7 to a depth of 5.5 feet.

Three exploratory borings were advanced within the former dry cleaner building on October 16, 1995 using a low overhead continuous sampling system developed by Precision Drilling. The borings were advanced using steam-cleaned, 2.5-inch outer diameter drive casing, and an inner sample barrel that was simultaneously driven. A continuous sample of the subsurface was obtained at each location. The samples were obtained in 3 foot drives; the samples were recovered in 6-inch long, 2-inch diameter, brass liners. The three borings were dry at the end of the day. A clean 1-inch diameter PVC casing was left in the holes and on the following day, October 17, sufficient water was present to obtain grab type samples. Each hole was bailed of three casing volumes of

water prior to obtaining the water sample. The temporary casings were removed and the borings were grouted on October 19, 1995. Concurrent with advancing these three borings, a sample of fluids from the drain line in the central portion of the building was obtained. This water sample was obtained from within the 1.5-inch diameter pipe.

On November 6 and 9, 1995, four exploratory borings were advanced at selected on-site and off-site locations. Two of the borings were located on the Airport Plaza property (MW-AP1 and MW-AP2). The remaining two borings were advanced on the City of Hayward Airport property across Hesperian Boulevard from the site, after receiving permission from the airport manager. The borings were advanced using truck-mounted, 8-inch diameter, hollow stem auger drilling equipment and sampled using a 2.5-inch split spoon sampler lined with three 6-inch long brass liners. These borings were converted to monitoring wells.

On November 27, 1995, five additional borings were advanced along the former sewer lines at the south property line with Exxon. These borings were also advanced using truck-mounted, 8-inch diameter, hollow stem auger drilling equipment and sampled using a 2.5-inch split spoon sampler lined with three 6-inch long brass liners. Following completion of these borings, they were grouted.

4.3 Drilling and Sampling Protocol

All drilling and sampling was performed under the direction of our field geologist or engineer, who logged the borings in accordance with the Unified Soil Classification System. The boring logs and information about the exploration program are attached in Appendix II. All soil samples obtained during the various exploration activities were screened in the field with a photoionization detector (PID). PID readings, indicating the presence of volatile organic compounds in the soil samples, are shown on the logs.

All downhole drilling equipment used during the exploration was steam cleaned using a high pressure, hot water wash prior to and after drilling. Soil and ground water sampling equipment was washed with an alconox or tri-sodium phosphate solution, and double rinsed with clean water between sampling intervals.

Ground water samples were collected in 40-milliliter, volatile organic analysis vials. Soil samples from selected depths were collected in clean brass liners for laboratory evaluation. The ends of each brass liner were capped with Teflon or aluminum foil and a plastic cap, and sealed with tape. Soil and ground water samples were placed in an ice cooled chest for transport to the analytical laboratory.

4.4 Monitoring Well Construction

The four monitoring wells were constructed using 2-inch diameter, schedule 40, flush-threaded PVC casing and screen. The annular space between the screened casing and the borehole wall was filled with No. 3 Monterey sand to approximately 2 feet above the screened interval. A 2 feet thick bentonite seal was placed above the sand pack, and the remainder of the annulus was filled with cement/bentonite grout to just below the ground surface. The top of each well was placed just below the ground surface. The wells were equipped with locking, water tight caps. A water tight traffic rated box was installed over each well, except for well MW-AP4, which was installed in a dense landscaped area and was completed with a stovetop type box. The details concerning the well construction are presented in Appendix II.

4.5 Drilling Permits

Permits for the borings, monitoring wells and hydropunch/grab sampling probes were obtained from the Alameda County Zone 7 Water Agency. Copies of the permits are attached in Appendix II.

4.6 Drilling and Monitoring Well Cuttings

Soil and fluid spoils from the exploration and sampling work were placed in Department of Transportation approved 55-gallon drums and labeled appropriately. The drums are currently being stored on-site.

4.7 Well Development and Sampling

The Airport Plaza monitoring wells were developed on November 11, 1995, by bailing techniques. Ten casing volumes of ground water were removed during development.

The wells were purged on November 14, 1995, just prior to sampling such that water samples would be representative of the ground water. Development was accomplished by removing a minimum of three casing volumes of ground water. Ground water samples were collected utilizing disposable PVC bailers. Measurements of pH, temperature, and electrical conductivity were made during purging, and these parameters stabilized prior to sampling. The purged ground water was placed in an EPA approved drum and left on site for subsequent disposal. The monitoring well development and sampling records are attached in Appendix II.

In addition, we also accompanied Texaco's consultant during their sampling of the Texaco wells on November 14 and March 15, 1995. Measurements of pH, temperature, turbidity, and electrical conductivity were made during purging of the Texaco wells. These wells were purged using either a submersible pump or by bailing. Ground water samples were obtained using a disposable PVC bailer. The monitoring well sampling records for the Texaco wells during the two sampling events are also attached in Appendix II.

5.0 SUBSURFACE CONDITIONS

5.1 Subsurface Materials

Based on the results of the subsurface investigations performed at the site and off-site by us and others, a near surface horizon of dark brown to black silty clay is present throughout the area. Underlying the black clay, brown silty clay with various amounts of very fine grain sand is present. These same soils were present across the site and off-site locations to the maximum depth explored. A 4-and 5-inch thick silty sand lens was encountered in the exploratory borings SB-1 and SB-2, at a depth of about 18 to 19 feet, which were sampled on a continuous basis. This sand lens was not in present boring SB-3, but appeared in MW-AP1, SB-4 and SB-7. This sand lens did not appear to be present at the other exploration locations, but could have been present between sampling intervals. Fill related to past utility installation was encountered in the borings along the former sewer line at the south property line.

5.2 Regional Hydrogeology

The site is located in the Bay Plain of Alameda County, a subbasin of the larger Santa Clara Valley Basin (California Department of Water Resources, 1964). The Bay Plain range contains geologic formations which range from Jurassic aged Franciscan Formation to Recent aged alluvial and tidal deposits. The older formations mainly occur along the Diablo Range and underlie younger sediments in the valleys and lowlands.

The Hayward Fault, located about 4 miles east of the site, is a major ground water barrier in the area. Ground water in the Bay Plain area occurs both in confined and unconfined aquifers. The alluvial areas, which include the area of the site, generally have unconfined conditions. Ground water in the alluvial areas, generally is contained within thin layers of sand and gravel interbedded thick sequences of silty clay and sandy clay (California Department of Water Resources, 1964).

Ground water elevation data for the northern and central portions of the Bay Plains, indicates that the regional ground water flow direction in the area is to the west, towards the San Francisco Bay. The San Francisco Bay is the nearest down-gradient surface water, and is located about 2.5 miles to the west. Sulfur Creek is located about 0.6 miles to the north of the site and may also be a discharge point for ground water in the area. Water quality in the area was reported to be generally of good mineral content. Salt water intrusion, particularly south of San Leandro has been reported.

5.3 Local Hydrogeology

The site is underlain by silty clay and sandy clay with silty sand interbeds. Silty sand lenses 4 to 8-inches thick were identified in a number of the exploratory borings. Much of the ground water movement may be through these more permeable sand lenses, if they are continuous across the area. Above and below these sand lenses less permeable silty clay and sandy clay soils were encountered.

The stabilized ground water level was measured to range from approximately 19 to 23 feet below ground surface in the wells installed as part of our work. The wells were surveyed by Samuel Kushner, Licensed Land Surveyor. The water elevation measurements are presented in Table 2 below.

Ground water level measurements have been made on the Texaco wells dating to 1989. These readings indicate that water levels have fluctuated within a 5 to 6 foot range over this time period. The ground water elevation of the Texaco wells is also presented in Table 2. It should be noted that the ground water elevations based on the Texaco survey and our recent survey do not appear to be to the same datum. Elevations calculated according to the two surveys indicate a difference of about 1.3 feet, apparently because of a difference in benchmarks used. However, the ground water flow directions and hydraulic gradient calculated separately from each of the two sets of wells, are in general agreement. As part of the next quarterly sampling, the Texaco wells will be resurveyed to establish a common datum.

The ground water elevation measurements on November 11, 1995, indicate a ground water flow direction to the west (see Figure 2). The flow direction appears to be slightly to the south of west beyond Hesperian Boulevard. The hydraulic gradient is approximately 0.002 feet per foot. Historically, the ground water flow direction measured from the Texaco wells has been to the west.

Table 2. Ground Water Elevation Measurements and Survey Data, November 14, 1995, Airport Plaza Property, Hayward, California

Well Number	Rim of cover Elevation (Feet)	Top-of-Casing Elevation (Feet)	Depth to Ground Water (Feet)	Ground Water Elevation (Feet)
MW-AP1	49.35		20.49	28.86
MW-AP2	48.29		19.69	28.60
MW-AP3	51.23		23.29	27.94
MW-AP4	47.60		19.85	27.75
MW-3A		47.12	19.55	27.57
MW-3B		46.45	19.11	27.34
MW-3C		46.58	19.33	27.25
MW-3D		46.83	19.15	27.68
MW-3E		47.28	19.76	27.52
MW-3F		46.56	19.72	26.84
MW-3G		47.14	20.29	26.85
MW-3H		46.54	19.55	26.99

6.0 SOIL AND GROUND WATER QUALITY ANALYSIS

The results of the soil and ground water quality analysis is presented in the following sections for the work performed during October and November of this year. The results of the March 1995 sampling of the Texaco wells is presented in Table A-1, Appendix I, along with all of the available historical laboratory VOC results that we are aware of for the site and the adjacent Texaco site; the results of the last two quarterly sampling events by Texaco are not included in the table as they were not available at the time we reviewed the CRWQCB files. The results of the soil vapor survey are presented in Appendix VI.

6.1 Laboratory Procedures

The soil and ground water samples collected from the borings, hydropunch/grab sample locations, and monitoring wells were delivered to Sequoia Analytical Laboratory, Anametrics or American Environmental Network, all California Department of Health Services certified laboratories. All samples were stored in an ice cooled chest, prior to acceptance by the laboratories. The samples were analyzed by EPA Test Method 8010 for halogenated VOC's. The test results are discussed below; the analytical laboratory reports and chain of custody documentation are presented in Appendix IV.

A number of quality control samples were analyzed concurrent with the other samples. The results of the analysis of quality control samples are presented with the other laboratory data.

6.2 Results of Hydropunch/grab Sample Analysis

The results of the laboratory analysis of the hydropunch and grab ground water samples is presented in Table 3 below. In addition, the water sample obtained from the 1.5-inch diameter drain pipe in the tenant space at 23958 Hesperian Boulevard contained 11 ppb Methylene chloride; all other compounds were below detection limits.

**Table 3. Summary of Ground Water Analyses,
Hydropunch and Grab Samples,
Airport Plaza Property,
Hayward, California**

Sample Location	Date Sampled	Tetrachloroethene	Trichloroethene	cis 1,2-Dichloroethene
			(ppb)	
HP-1	10/13/95	**190**	<2.5	<2.5
HP-2	10/13/95	<0.5	<0.5	<0.5
HP-3	10/13/95	**2.3**	<0.5	<0.5
HP-4	10/13/95	**2.9**	**0.58**	<0.5
HP-5	10/13/95	**230**	<5.0	<5.0
HP-6	10/13/95	**9.9**	<0.5	<0.5
HP-7	10/13/95	<2.5	<2.5	<2.5
HP-8	10/13/95	<10	<10	**14**
HP-9	10/13/95	**140**	**3.6**	**2.5**
HP-10	10/13/95	**450**	<10	<10
HP-11	10/13/95	**87**	**1.3**	<1.3
HP-12	10/13/95	**99**	**9.2**	**31**
Travel Blank	10/13/95	<0.5	<0.5	<0.5
SB-1	10/17/95	**19**	<0.5	<0.5
SB-2	10/17/95	**53**	<1.0	<1.0
SB-3	10/17/95	**83**	<1.3	<1.3
SB-3 (Split)	10/17/95	**110**	<2.5	<2.5

Notes:

1) Chloroform at 3.3 ppb also detected in HP-12.
2) EPA Test Method 8010 analysis performed by Sequoia Analytical Laboratory, unless otherwise indicated.
3) Split sample analyzed by Anametrics.
4) All other 8010 compounds below laboratory detection limits.

6.3 Results of Monitoring Well Sample Analysis

The results of the laboratory analysis of the ground water samples from the most recent sampling of the Airport Plaza and Texaco monitoring wells is presented in Table 4 below. Tetrachloroethene (PCE), trichloroethene (TCE), vinyl chloride, and cis 1,2 dichloroethene (cis 1,2-DCE) were the only compounds detected in the samples. Also presented in Table 4 are the current State and Federal maximum contaminant levels (MCL) for the compounds detected. The VOC results from the historical sampling from these wells is presented in Appendix I.

Table 4. Summary of Ground Water Analyses, Airport Plaza and Texaco Monitoring Wells, Airport Plaza Property, Hayward, California

Sample Location	Date Sampled	PCE	TCE	cis 1,2-DCE	Vinyl Chloride
		(ppb)			
MW-AP1	11/14/95	**260**	<10	<10	<20
MW-AP2	11/14/95	**170**	<5.0	<5.0	<10
MW-AP2 (Split)	11/14/95	**180**	<5.0	<5.0	<5.0
MW-AP3	11/14/95	**350**	<10	<10	<20
MW-AP4	11/14/95	**140**	<5.0	<5.0	<10
Travel Blank	11/14/95	<0.5	<0.5	<0.5	<1.0
MW-3C	11/14/95	<2.5	<2.5	**50**	<5.0
MW-3F	11/14/95	**130**	**140**	**66**	**22**
MW-3G	11/14/95	**140**	<5.0	<5.0	<10
MW-3H	11/14/95	**40**	<1.0	<1.0	<2.0
EPA Primary MCL		5	5	70	2
State of California MCL		5	5	6	0.5

Notes:
1) EPA Test Method 8010 analysis performed by Sequoia Analytical Laboratory.
2) Split sample analyzed by Anametrics.
3) All other 8010 compounds below laboratory detection limits.
4) Texaco results not yet available.

6.4 Results of Soil Sample Analysis

The results of the soil sample analysis are presented in Table 5 below. The only compound detected in the soil samples was PCE.

Table 5. Summary of Soil Quality Analysis, Airport Plaza Property, Hayward, California

Sample Location	Date Sampled	Sample Depth (Feet)	PCE (ppb)	Sample Location	Date Sampled	Sample Depth (Feet)	PCE (ppb)
SB-1	10/16/95	1.0-1.5	**160**	SB-2	10/16/95	1.0-1.5	**1400**
SB-1	10/16/95	4.5-5.0	**160**	SB-2	10/16/95	4.0-4.5	**210**
SB-1	10/16/95	8.0-8.5	**160**	SB-2	10/16/95	8.0-8.5	**260**
SB-1	10/16/95	14.0-14.5	**110**	SB-2	10/16/95	14.0-14.5	**310**
SB-1	10/16/95	18.0-18.5	**130**	SB-2	10/16/95	18.0-18.5	**240**
SB-3	10/16/95	1.5-2.0	<5.0	SB-4	11/27/95	1.5-2.0	**68**
SB-3	10/16/95	4.0-4.5	**8.0**	SB-4	11/27/95	3.5-4.0	**56**
SB-3	10/16/95	8.0-8.5	**7.9**	SB-4	11/27/95	6.5-7.0	**33**
SB-3	10/16/95	14.0-14.5	**9.8**	SB-4	11/27/95	14.0-14.5	**50**
SB-3	10/16/95	18.0-18.5	**5.3**	SB-4	11/27/95	18.5-19.0	**42**
SB-5	11/27/95	1.5-2.0	<5.0	SB-6	11/27/95	1.5-2.0	<5.0
SB-5	11/27/95	2.5-3.0	**7.4**	SB-6	11/27/95	3.5-4.0	<5.0
SB-5	11/27/95	7.0-7.5	**15**	SB-6	11/27/95	7.0-7.0	<5.0
SB-5	11/27/95		**18**				
SB-5	11/27/95		**8.9**				
SB-7	11/27/95	2.0-2.5	<5.0	SB-8	11/27/95	1.5-2.0	<5.0
SB-7	11/27/95	4.5-5.0	<5.0	SB-8	11/27/95	4.0-4.5	<5.0
SB-7	11/27/95	7.0-7.5	<5.0	SB-8	11/27/95	7.0-7.5	<5.0
HP-5	10/13/95	1.0-1.5	**16**	HP-7	10/13/95	1.0-1.5	<5.0
HP-5	10/13/95	4.0-4.5	**15**	HP-7	10/13/95	4.0-4.5	<5.0
MW-AP1	11/6/95	5.0	<5.0	MW-AP2	11/6/95	2.0	**16**
MW-AP1	11/6/95	18.0	<5.0	MW-AP2	11/6/95	5.0	**22**
				MW-AP2	11/6/95	8.5	**14**
MW-AP3	11/9/95	15.0	**5.1**	MW-AP2	11/6/95	14.5	**13**
MW-AP3	11/9/95	20.0	**13**	MW-AP2	11/6/95	18.5	**52**
MW-AP4	11/9/95	15.0	**7.5**				
MW-AP4	11/9/95	19.0	**24**				

7.0 EXTENT OF IMPACTED SOIL AND GROUND WATER

7.1 Impacted Soil

The soil quality testing revealed only one area of impacted soil which appears to be associated with a surface spill. This is in the area of the drum storage area and dry cleaning equipment at the east end of the former tenant space, occupied by Jack's Norge Cleaners. In soil boring SB-2, located below the former drum storage area, a concentration of PCE of 1400 ppb was detected just below the building slab and base material. Concentrations of PCE ranging from 210 to 310 ppb were present in deeper soil samples extending almost to the ground water level. Borings SB-1 and SB-4, located near the southeast end of the former cleaners also revealed low concentrations of PCE which, in our opinion, may be reflective of a surface source area. Concentrations ranging from 110 to 160 ppb were detected in five samples tested from depths of 1 to 18.5 feet in boring SB-1, while concentrations ranging from 33 to 68 ppb were detected in boring SB-4, at depths up to 7 feet deep.

The borings advanced adjacent to the sewer line, with the exception of boring SB-4 discussed above, and in the landscaped and parking area of the site, did not reveal PCE concentrations reflective of a surface spill. PCE concentrations were detected at low levels in a number of these locations, but appear to be from upward migration from the underlying ground water rather than a surface spill. The exploratory borings advanced by Krazan in 1994 also did not detect concentrations of PCE or other VOC's.

It should be noted that no soil borings have been advanced at the location of the former Payless Cleaners, located east of the former Gene's Norge Cleaners. Further exploration in this area would be desirable, in our opinion, to establish if Payless may have contributed to the spill.

7.2 Impacted Ground Water

The results of the ground water monitoring of the Airport Plaza and Texaco monitoring wells is shown in Figure 3. PCE was the only compound detected in the on-site ground water monitoring wells. Monitoring well MW-3C, on the down-gradient side of the

former Texaco site, contained 50 ppb of cis 1,2 DCE. In addition, monitoring well MW-3F on the City of Hayward Airport property, down-gradient of the former Texaco station contained TCE at 140 ppb, cis 1,2 DCE at 66 ppb, vinyl chloride at 22 ppb, and PCE at 130 ppb. The remaining off-site wells detected only PCE.

Tetrachloroethene

Figure 4 shows the results of the ground water sampling, including the hydropunch/grab sampling performed for PCE only. On-site PCE concentrations appear generally to be the highest and most widespread down-gradient of the former cleaners, where concentrations of 170 ppb were present in MW-AP2. The concentrations appear to drop off significantly however, before leaving the site. PCE concentrations ranging from non detect to 40 ppb were present at four sampling locations along the west property line (HP-6, HP-7, HP-8 and MW-3H).

A significant concentration of PCE (190 to 260 ppb) was also detected at the locations of MW-AP1 & HP-1. This area is located up-gradient of the former Payless Cleaners tenant space in the traffic drive between the former on-site buildings. The source of the PCE at this location is not clear, but should be explored during further work. Possible source areas for this impacted ground water include an off-site source to the east, or a limited on-site source in the paved parking lot from one of the former cleaner operators. The source does not appear to be widespread, as PCE concentrations at HP-3 and HP-4, down-gradient of this area had no detectable concentrations of PCE.

The highest PCE concentrations detected during our investigation were located off-site on the City of Hayward Airport property. A PCE concentration of 350 parts per billion was detected in monitoring well MW-AP3, and 450 ppb was detected in the hydropunch sample from the same location at HP-10. Ground water samples from the other locations on the city airport property ranged of 87 to 140 ppb. The down-gradient extent of PCE impacted ground water has not been established, and will require further work.

Figures 7, 8, and 9 show the historical PCE concentrations plotted with time, superimposed over the historic ground water level measurements for Texaco wells MW-3F, MW-3G, and MW-3H, respectively. The on-site well, MW-3H had relatively high concentrations when it was initially sampled for VOC's in September of 1992, but concentrations have trended downward over time, with the current sampling at 40 ppb.

Off-site well MW-3G has historically been in the range of 110 to 200 ppb, with no trend being apparent. Off-site well MW-3F has historically been low, only recently showing an increasing trend in PCE concentrations.

Trichloroethene

Figure 5 shows the results of the ground water sampling, including the hydropunch/grab samples for TCE only. A low level of TCE was detected only in one on-site ground water sample at a concentration of 0.58 ppb in HP-4. Low levels of TCE were also detected at two off-site locations (HP-9 at 3.6 ppb and HP-12 at 9.2 ppb) and a moderate level of TCE was detected in well MW-3F at 140 ppb. The extent of ground water impacted by significant concentrations of TCE appears to be limited to the area near well MW-3F. The down-gradient extent of TCE impacted ground water appears to be limited as it was not detected at sampling location MW-AP4.

Figures 8 and 9 also show historical TCE concentrations for wells MW-3G, and MW-3H. In September of 1992, MW-3H had concentration of TCE of 120 ppb. Since that initial reading concentrations have been in the range of 72 ppb to no detectable concentrations. The trend has been decreasing with the current levels below detection limits. Off-site well MW-3G has consistently had low levels of TCE in the range of 11 to 20 ppb; the current sampling did not detect TCE. Off-site well MW-3F has shown a gradually increasing trend of TCE, to its current level of 140 ppb.

Vinyl Chloride

Vinyl chloride was detected only in MW-3F at a concentration of 22 ppb. In addition, vinyl chloride was not detected in monitoring well MW-AP4 or HP-12, both located down-gradient of MW-3F. The extent of ground water impacted by vinyl chloride appears to be of limited extent. The only on-site ground water sample which detected vinyl chloride was the grab sample obtained by Krazan, from boring B3 at the property line with the former Texaco station. Vinyl chloride has also been detected in well MW-3C on the former Texaco property (0.71 ppb).

The vinyl chloride concentrations detected in well MW-3F have shown a declining trend over time as shown in Figure 7. Concentrations as high as 220 ppb were detected in this well in March and June of 1993, but since that time the trend has been sharply declining.

Cis 1,2 Dichloroethene

This compound was only detected at one on-site location, HP-8 at a concentration of 14 ppb. This sampling location is at the property line with the former Texaco station. No other on-site concentrations were detected. As mentioned earlier, cis 1,2 DCE was detected in the well on the Texaco property (MW-3C at 50 ppb) and at locations down-gradient of Texaco (MW-3F at 66 ppb, HP-12 at 31 ppb). A low level of this compound was also detected at off-site location HP-9 (2.5 ppb). The area of significantly impacted ground water appears to be limited to the area in the vicinity of the former Texaco station, and extending down-gradient to HP-12. This compound was not present in down-gradient well MW-AP4.

Historically, cis 1,2 DCE has been detected in wells MW-3C (ND to 50 ppb), MW-3F (ND to 120 ppb), MW-3G (ND to 20 ppb), and MW-3H (ND to 140 ppb). The recent trend of this compound in each of these wells has been distinctly declining, with the exception of well MW-3C, located on the former Texaco site, which has had a distinctly increasing trend over the time period it has been monitored for VOC's.

Other Compounds

A number of other compounds have been detected at the on-site and off-site monitoring wells historically. These include low levels of 1,2 Dichlorethane (up to 5.3 ppb), trans 1,2 dichloroethene (up to 29 ppb), acetone (up to 110 ppb). The acetone was only detected in well MW-3F, down-gradient of the former Texaco station.

7.3 Effect of Texaco Extraction System

As mentioned earlier, Texaco has operated a soil vapor extraction, ground water extraction, and air sparging systems at the neighboring site for several months, earlier this year. It is difficult to realistically assess the impact of their system on the PCE levels of impacted soil and ground water at the Airport Plaza site. In our opinion, the Texaco system may have had some effect on cleaning up the PCE concentration in the soil and ground water at the site. This could help explain why only moderate PCE concentrations of 56 ppb were detected in the ground water grab sample at boring SB-2, advanced near what appears to be the source of the spill.

8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1 Soil

Based upon the results of our recent investigation, the following conclusions and recommendations were developed with regard to impacted soil.

- The soil quality analysis revealed PCE levels in the soil, indicative of a surface spill in the area of the former drum storage area and dry cleaning equipment of the 23958 Hesperian Boulevard dry cleaning facility. As discussed earlier, a soil concentration of 1400 ppb was obtained just below the slab and base material of the former cleaners, and concentrations decreased to the 100 to 250 ppb range at depth. This was the only source area identified during the extensive soil analysis conducted. Leakage from the on-site sewer line, or dumping onto the dirt strip behind the building on the south property line, does not appear to have occurred, based on the analytical results.

- In our opinion, the soil sample results indicate that the operations of the dry cleaners at 23958 Hesperian Boulevard directly affected the soil and ground water quality at the site.

- Due to the potential for the PCE present in the soil to migrate to the ground water, in our opinion, it would be desirable to remove a portion of the PCE impacted soil. Cleanup options include installation of a soil vapor extraction system, which would likely operate over a period of 6 to 18 months, excavation and off-site disposal of the impacted soil, and excavation and on-site treatment. If the excavation alternative is selected, on-site treatment, such as constructing a forced aeration cleanup cell, may be an attractive alternative to consider, depending upon the landfilling costs and the quantity of material to be excavated.

- Based upon our current knowledge of the site, excavating the upper 5 feet of material across the back portion of the former dry cleaners, would be appropriate, with the excavation extending to just above the ground water table below the former drum storage area. This approach would address the majority of the soil present at concentrations greater than 150 ppb. Removing the relatively low concentrations

below 150 ppb may be cost prohibitive, and not of sufficient benefit to justify the cost, in our opinion.

- In our opinion, the presence of a soil source area below the former Payless Cleaners facility should also be evaluated prior to proceeding with soil cleanup. In our opinion, advancing two soil borings near the floor drain of the former facility would be desirable. Following the completion of this work, cost estimates can be prepared to assess the most economic cleanup technique, taking into account the future use of the property, and the development schedule.

8.2 Ground Water

Based upon the results of our recent investigation, the following conclusions and recommendations were developed with regard to impacted ground water.

- The monitoring well and hydropunch/grab sample analysis revealed that the extent of impacted ground water has not adequately been defined at the up-gradient end of the site. Two to three additional hydropunch, or grab ground water samples are recommended to assess PCE concentrations up-and cross-gradient of monitoring well MW-AP1. Because of the relatively low PCE concentrations on the down-gradient edge of the site, ground water extraction on-site does not appear to be warranted. Continued monitoring of the on-site wells is recommended to establish that concentrations do not increase over time. No further monitoring wells are anticipated on the up-gradient end of the plume, unless the planned grab sampling reveals that an off-site source or significant on-site PCE levels are present up- or cross-gradient of well MW-AP1. In our opinion, the current work has adequately characterized the on-site area, down-gradient of well MW-AP1.

- Off-site PCE concentrations in monitoring well MW-AP3 and HP-10 were higher than on-site concentrations. In addition, the sampling at four on-site locations indicate that PCE concentrations at the down-gradient edge of the site are relatively low. Based upon these factors, in our opinion, leakage of PCE from the sewer line within Hesperian Boulevard could explain the higher off-site PCE concentrations. Another possible explanation for the higher off-site levels would be that a slug of impacted ground water has moved off-site, and is now being detected in the off-site

wells. Higher concentrations of PCE were detected in well MW-3H historically. To assess whether the sewer line has contributed to the off-site concentrations, additional exploratory borings adjacent to the sewer line are recommended. Soil samples should be obtained at just below the invert elevation of the line, preferably below joints in the line. The location of the joints in the line could be established by photographing the inside of the line or perhaps by reviewing as-built city records.

- Because the distribution of TCE, vinyl chloride, cis 1,2 DCE and acetone appears localized down-gradient of the former Texaco station, more than one source of volatile organic compounds appears to be present in the area. In our opinion, the distribution of acetone, cis-1,2 DCE, vinyl chloride, and TCE suggest a source other than solely breakdown products of a spill associated with the former on-site dry cleaners. The bay drain or associated piping at the former Texaco station could be the source of these compounds, in our opinion. Leaks in the sewer line below Hesperian Boulevard could also be a potential source for these compounds. The former waste oil tank at the current Oil Changers location is another possible, but perhaps less likely source, in our opinion.

- The four Airport Plaza and four Texaco wells should be sampled in conjunction with Texaco's next scheduled quarterly monitoring event. Concurrent with the sampling of the Texaco wells, the top of the Texaco well casings should be surveyed to the same benchmark used for the Airport Plaza wells.

- Following the results of the soil analysis from the exploratory borings along the sewer line in Hesperian Boulevard and the next quarterly sampling of the wells, the need and the responsible party for further characterization of the PCE plume should be evaluated. To characterize the down-gradient extent of the plume, additional grab type samples probably should be obtained, followed by permanent well installation on the airport property. The need to cleanup impacted ground water should be assessed following this future work. We understand that the State is currently reviewing the Maximum Contaminant Level for TCE. The results of this could have a major impact on the cleanup requirements for this site, in our opinion.

9.0 LIMITATIONS

This report has been prepared for the exclusive use of the Adolph P. Schuman Marital Trust. We make no warranty, expressed or implied, except that our services were performed in accordance with environmental engineering principals generally accepted at this time and location.

10.0 REFERENCES

Applied GeoSystems, September 10, 1990, Preliminary Environmental Assessment of the 1.02-Acre parcel, 23634 Hesperian Boulevard, Hayward, California, consultant report.

Applied GeoSystems, April 30, 1991, Supplemental Subsurface Investigation of the 1.02-Acre parcel, 23634 Hesperian Boulevard, Hayward, California, consultant report.

Blaine Tech Services, Inc., April 21, 1995, "Groundwater Monitoring and Sampling, First Quarter 1995, at the Former Texaco Station, 23990 Hesperian Boulevard, Hayward, California," consultant report.

Blaine Tech Services, Inc., July 18, 1995, "Groundwater Monitoring and Sampling, Second Quarter 1995, at the Former Texaco Station, 23990 Hesperian Boulevard, Hayward, California," consultant report.

California Department of Water Resources, 1963, "Bulletin No 14, Alameda County Investigation.

Harding Lawson Associates, "Environmental Assessment Report, Former Texaco Station No. 62488000055, 23990 Hesperian Boulevard, Hayward, California, consultant report.

International Technology Corporation, February 1991, Soil Sampling Report for Bay Drain Closure at Texaco station, consultant report.

Krazan & Associates, November 11, 1994, Phase I Environmental Site Assessment, Proposed Taco Bell #06-1052, Hesperian Boulevard and West Winton Avenue, Hayward, California, consultant report.

Krazan & Associates, November 22, 1994, Limited Level II Environmental Site Assessment, Proposed Taco Bell #06-1052, Hesperian Boulevard and West Winton Avenue, Hayward, California, consultant report.

Resna, December 18, 1992, "Third Quarter 1992 Quarterly Report, 23990 Hesperian Boulevard, Hayward, California," consultant report.

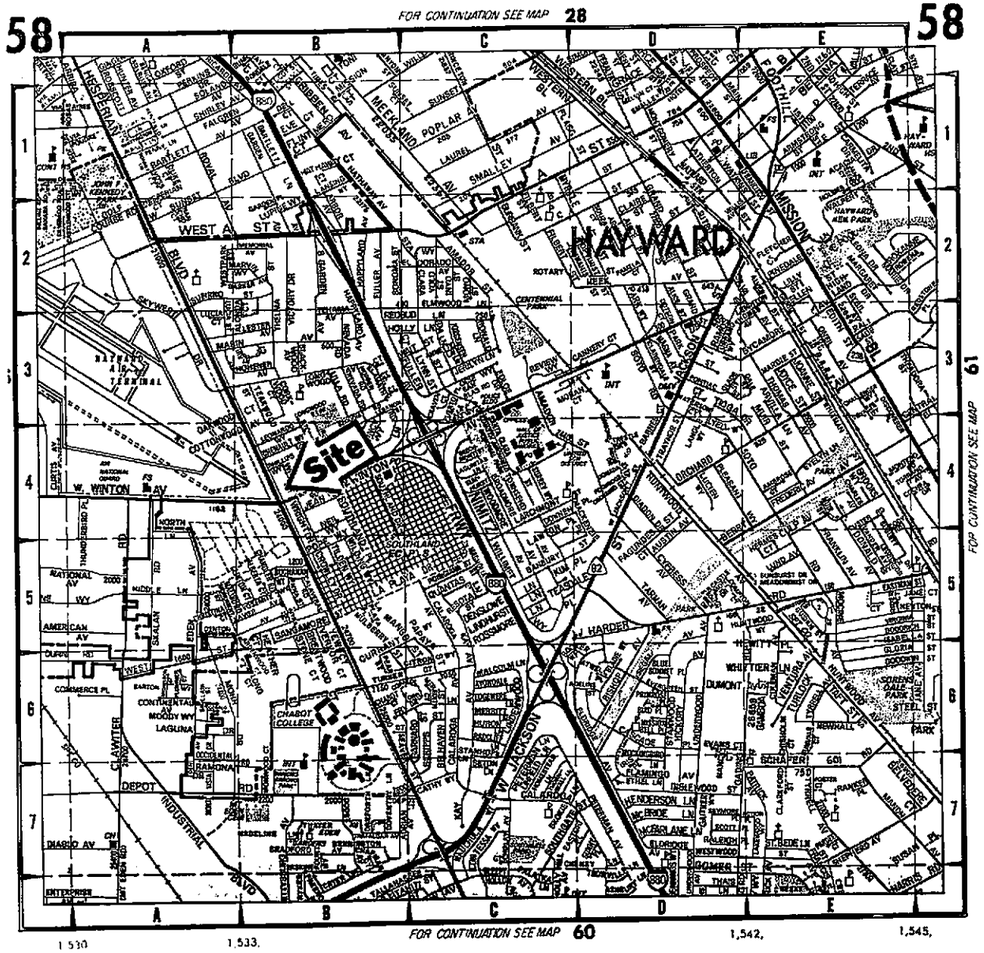
Resna, December 29, 1993, "Fourth Quarter 1993 Quarterly Report, 23990 Hesperian Boulevard, Hayward, California," consultant report.

Texaco Refining and Marketing, Inc., March 27, 1995, letter with ground water sample results.

United States Geological Survey, 1959, photorevised in 1980, "Hayward California 7.5 Minute Series (Topographic)."

Van Brunt Associates, March 10, 1995, "Phase I Environmental Audit, Four Commercial Buildings, Airport Plaza Shopping Center, Hayward, California, consultant report.

❖ ❖ ❖ ❖ ❖



VICINITY MAP

N.T.S.
BASEMAP '992 THOMAS
PAGE 58

SOIL AND GROUNDWATER INVESTIGATION FOR VOLATILE ORGANIC COMPOUNDS AIRPORT PLAZA SHOPPING CENTER 23958 HESPERIAN BOULEVARD HAYWARD, CALIFORNIA CRWQCB FILE 01-0413 (ES)

TABLE OF CONTENTS

OWNER: ADOLPH P. SCHUMAN MARITAL TRUST
JIM CRAFTS ESQ. CO-TRUSTEE

AIRPORT PLAZA SHOPPING CENTER
23958 HESPERIAN BLVD. HAYWARD CA.

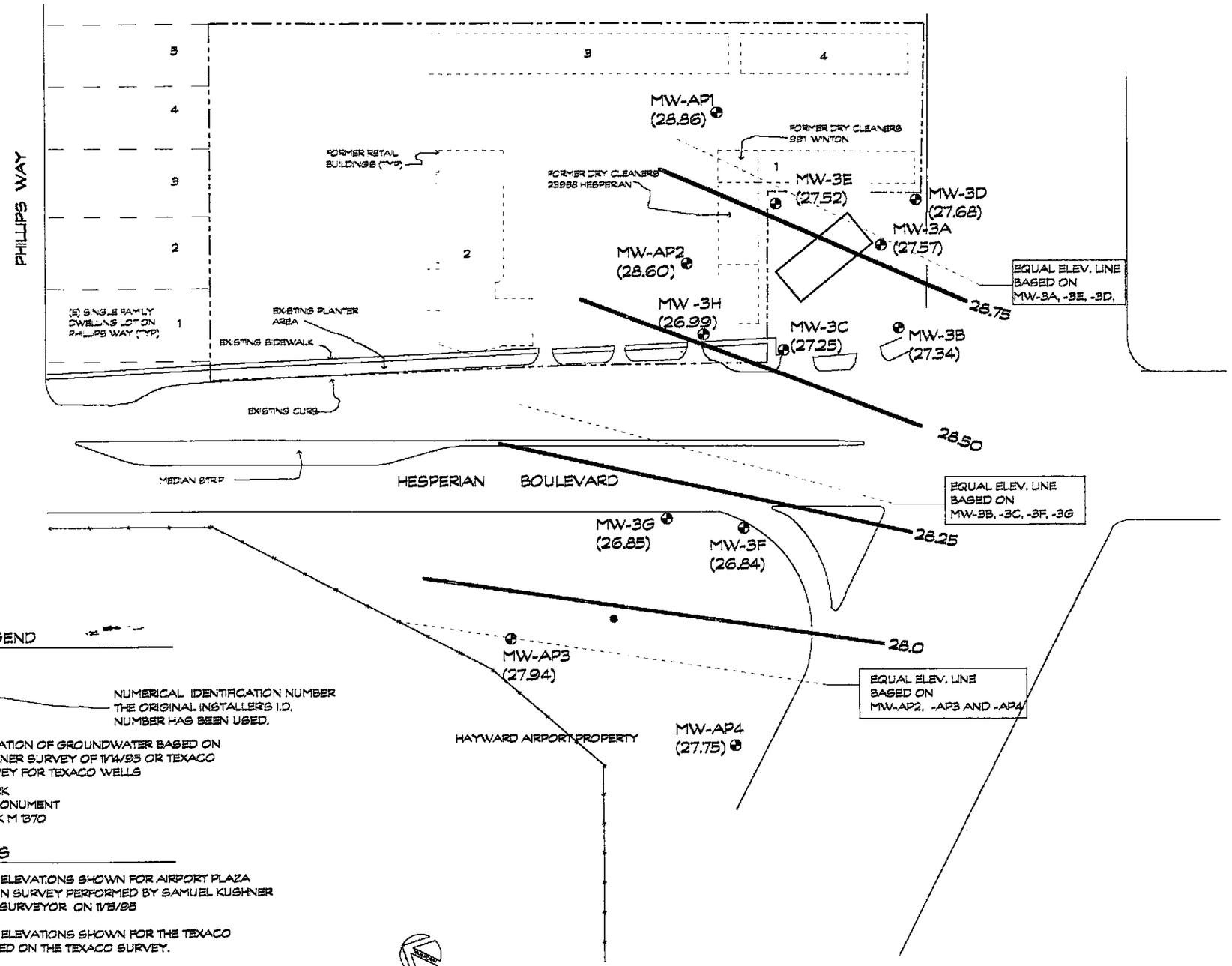
TITLE SHEET AND VICINITY MAP

VAN BRUNT ASSOCIATES 668.8300

JOB #: 94902

ISSUED: 12/12/95

1



SYMBOL LEGEND

MW-1
(28.85)

- NUMERICAL IDENTIFICATION NUMBER THE ORIGINAL INSTALLERS I.D. NUMBER HAS BEEN USED.
- ELEVATION OF GROUNDWATER BASED ON KUSHNER SURVEY OF 11/4/93 OR TEXACO SURVEY FOR TEXACO WELLS

BENCH MARK
(E) USGS MONUMENT
BRASS DISK M 370
EL. 45.80

SHEET NOTES

GROUNDWATER ELEVATIONS SHOWN FOR AIRPORT PLAZA WELLS BASED ON SURVEY PERFORMED BY SAMUEL KUSHNER LICENCED LAND SURVEYOR ON 11/3/93

GROUNDWATER ELEVATIONS SHOWN FOR THE TEXACO WELLS ARE BASED ON THE TEXACO SURVEY.

GROUND WATER ELEVATION CONTOURS ARE BASED ON AIRPORT PLAZA ELEVATIONS WITH CONTOUR ORIENTATION ADJUSTED FOR TEXACO WELLS.

0 20 40 80 120

SITE PLAN SHOWING GROUNDWATER ELEVATION CONTOURS

2
1" = 40'-0"

OWNER: ADOLPH P. SCHUMAN MARITAL TRUST
JIM CRAFTS ESQ. CO-TRUSTEE

AIRPORT PLAZA SHOPPING CENTER
23958 HESPERIAN BLVD. HAYWARD CA.

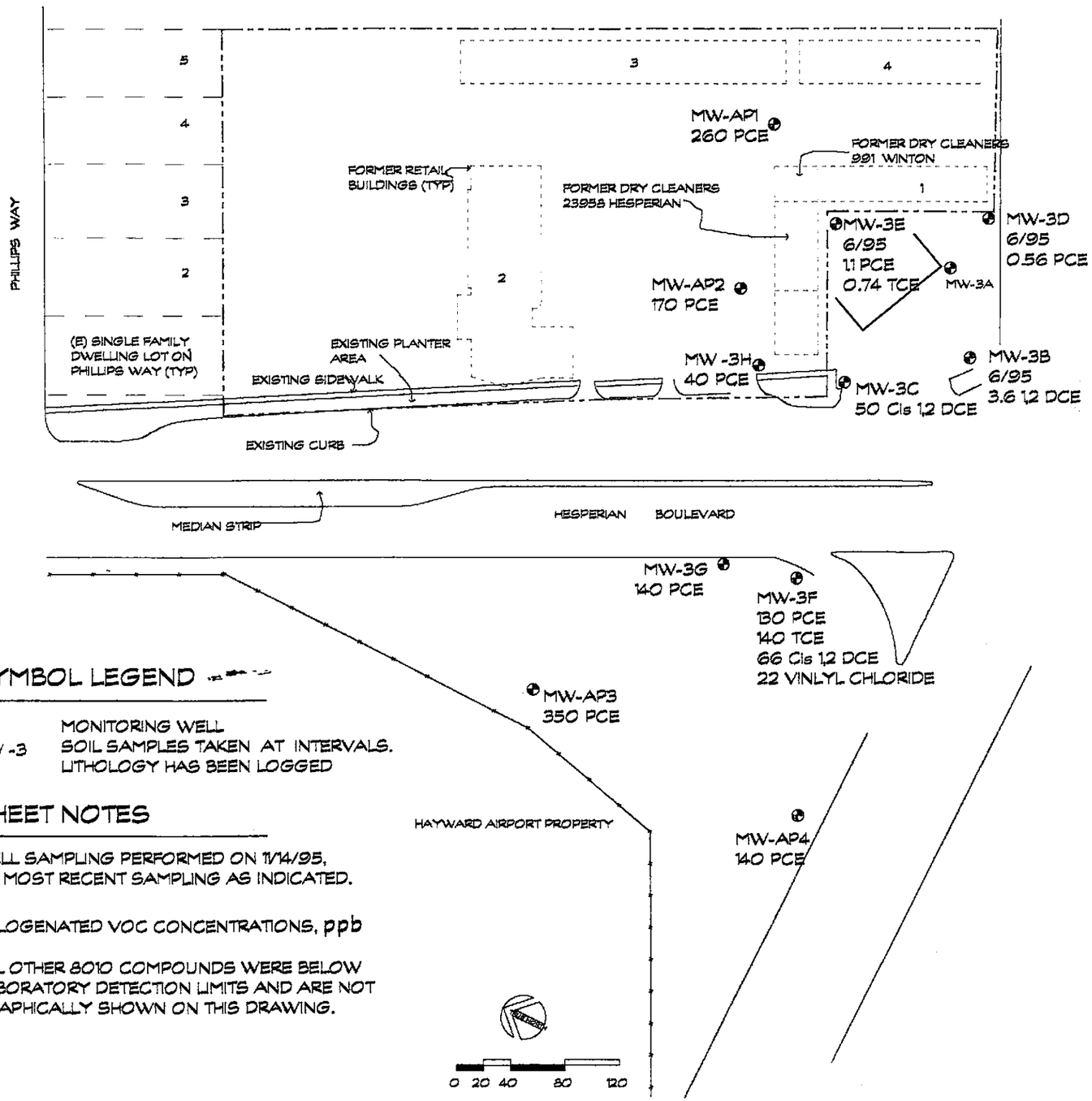
SITE PLAN SHOWING GROUNDWATER ELEVATION CONTOURS

VAN BRUNT ASSOCIATES
6835800

JOB #: 94502

ISSUED:
12/12/95

2



SYMBOL LEGEND

⊕ MW-3	MONITORING WELL SOIL SAMPLES TAKEN AT INTERVALS. LITHOLOGY HAS BEEN LOGGED

SHEET NOTES

WELL SAMPLING PERFORMED ON 11/14/95, OR MOST RECENT SAMPLING AS INDICATED.

HALOGENATED VOC CONCENTRATIONS, ppb

ALL OTHER 8010 COMPOUNDS WERE BELOW LABORATORY DETECTION LIMITS AND ARE NOT GRAPHICALLY SHOWN ON THIS DRAWING.

3 — T= 40'-0"

HALOGENATED VOC CONCENTRATIONS IN MONITORING WELLS 11/95

HISTORIC MONITORING WELL DATA

		1,2-Dichlor.	cis-1,2-Dichlor.	PCE	trans-1,2-Dichlor.	TCE	Vinyl chlor.
MW-3A	3/29/93	ND	NA	<1.0	<1.0	<1.0	<1.0
	6/29/93	ND	NA	<1.0	<1.0	<1.0	<1.0
	12/28/94	ND	ND	ND	ND	ND	ND
	3/15/95	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	3/15/95	<5	<5	<5	<5	<5	<10
MW-3B	12/28/93	3.3	ND	ND	ND	ND	ND
	3/15/95	<300	<300	<300	<300	<300	<300
	6/22/95	3.6	ND	ND	ND	ND	ND
MW-3C	12/28/94	1.3	1.9	5.9	ND	1.8	ND
	3/15/95	1.2	16	5.3	ND	2.2	0.71
	3/15/95	<30	<30	<30	<30	<30	<30
	6/22/95	0.59	34	2.1	ND	1.6	ND
	11/14/95	<2.5	50	<2.5	<2.5	<2.5	3.0

MW-3D	3/29/93	ND	NA	<1.0	<1.0	<1.0	<1.0
	6/29/93	ND	NA	<1.0	<1.0	<1.0	<1.0
	12/28/94	ND	NA	0.61	ND	ND	ND
	3/15/95	ND	NA	0.58	ND	ND	ND
	3/15/95	<5	<5	<5	<5	<5	<10
MW-3E	3/29/93	ND	NA	<1.0	<1.0	<1.0	<1.0
	6/29/93			Not Sampled: Well inaccessible			
	12/28/94	ND	ND	17	ND	ND	ND
	3/15/95	ND	ND	25	ND	ND	ND
	3/15/95	<5	<5	14	<5	<5	<10
	6/22/95	ND	ND	1.1	ND	0.74	ND
MW-3F	9/30/92		<1.0	5.1	<1.0	2.2	3.2
	3/29/93		NA	2.3	<1.0	2.6	230
	3/29/93		<5.0	<5.0	<5.0	<5.0	220
	6/29/93		14	6.8	<5.0	3.6	220
	12/28/94	1.9	130	77	1.6	45	130
	3/15/95	1.5	110	71	1	54	72
	3/15/95	<5	68	42	<5	28	92
	6/22/95	1.9	60	170	1.1	50	49
	11/22/95	<0.50	66	130	<0.50	140	22

MW-3G	3/29/93		NA	110	12	16	<1.0
	3/29/93		14	150	<5.0	18	<10.0
	6/29/93		20	200	<5.0	23	<5.0
	12/28/94	ND	11	150	ND	20	ND
	3/15/95	ND	7	170	ND	16	ND
	3/15/95	<5	5	150	<5	11	<10
	6/22/95	ND	6.8	150	ND	13	ND
	11/14/95	<5.0	<5.0	140	<5.0	<5.0	<10
MW-3H	9/30/92		140	560	<1.0	120	<2.0
	3/29/93		NA	110	29	40	<1.0
	3/29/93		34	170	<5.0	39	<10.0
	6/29/93		58	220	<5.0	72	<5.0
	12/28/94	ND	5.8	78	ND	11	ND
	3/15/95	ND	3.4	110	ND	9.1	ND
	3/15/95	<5	<5	59	<5	<5	<10
	6/22/95	Not Analyzed					
	11/14/95	<1.0	<1.0	40	<1.0	<1.0	<2.0
MW-AP1	11/14/95	<10	<10	260	<10	<10	<20
MW-AP2	11/14/95	<5.0	<5.0	170	<5.0	<5.0	<10
	11/14/95	<5.0	<5.0	190	<5.0	<5.0	<10
MW-AP3	11/14/95	<10	<10	350	<10	<10	<20
MW-AP4	11/14/95	<5.0	<5.0	140	<5.0	<5.0	<10

VOC CONCENTRATIONS, ppb

OWNER: ADOLPH P. SCHUMAN MARITAL TRUST
JIM CRAFTS ESQ. CO-TRUSTEE

AIRPORT PLAZA SHOPPING CENTER
23958 HESPERIAN BLVD. HAYWARD CA.

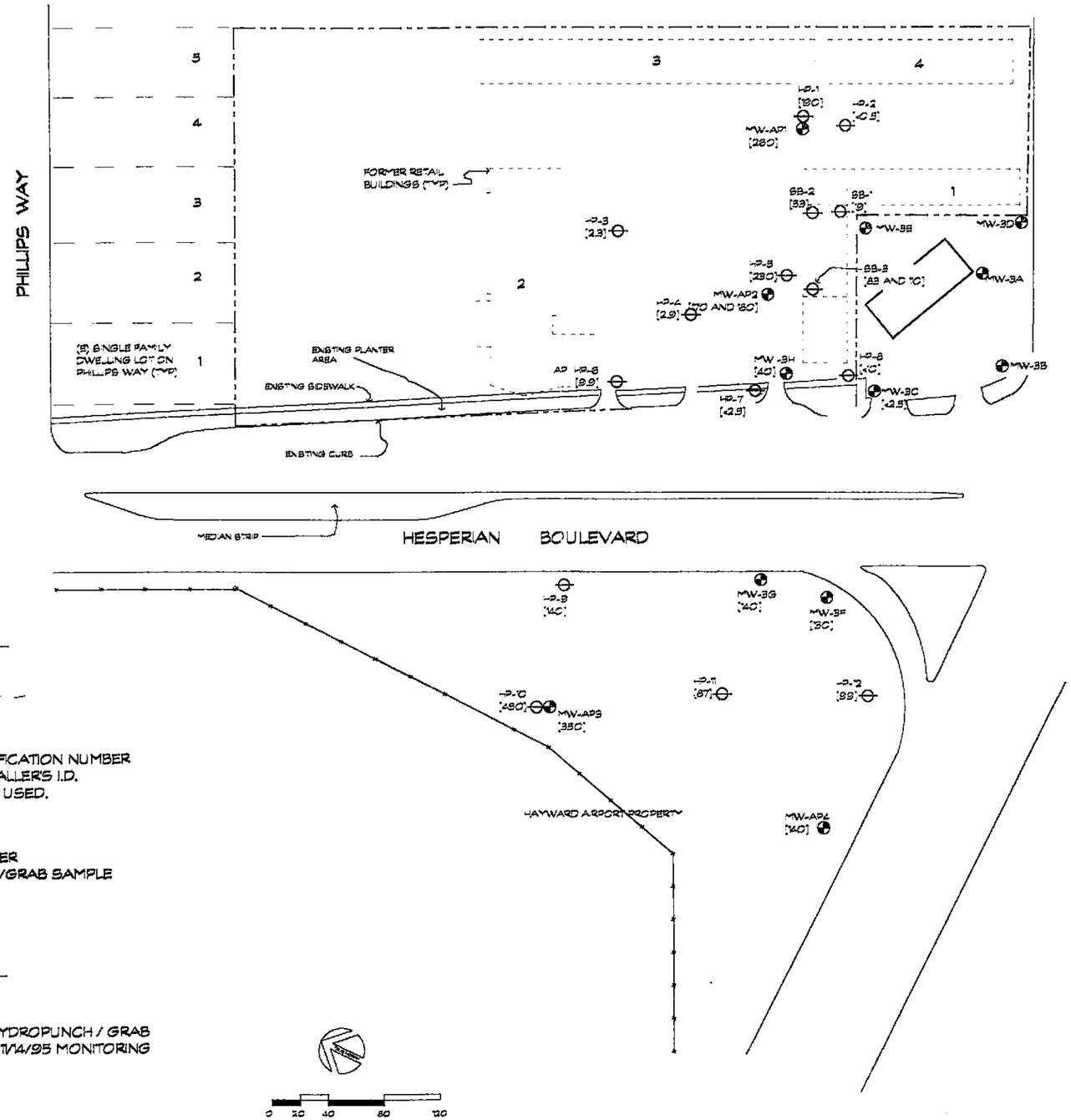
HALOGENATED VOC CONCENTRATIONS IN MONITORING WELLS 11/95

VAN BRUNT ASSOCIATES
885-5900

JOB #: 94502

ISSUED:
12/12/95

3



SYMBOL LEGEND

DESCRIPTION OF FEATURE:
MW = MONITORING WELL

MW-1 — NUMERICAL IDENTIFICATION NUMBER THE ORIGINAL INSTALLER'S I.D. NUMBER HAS BEEN USED.

SOIL BORING WITH GROUNDWATER GRAB SAMPLE OR HYDROPUNCH/GRAB SAMPLE LOCATION.

SHEET NOTES

PCE CONCENTRATIONS ppb

PCE CONCENTRATIONS FROM 10/13/95 HYDROPUNCH / GRAB SAMPLING, 10/17/95 SOIL BORINGS, AND 11/14/95 MONITORING WELL SAMPLING.

4 PCE GROUNDWATER CONCENTRATIONS OCTOBER/NOVEMBER 1995

T= 40'-0"

OWNER: ADOLPH P. SCHUMAN MARITAL TRUST
JIM CRAFTS ESQ. CO-TRUSTEE

AIRPORT PLAZA SHOPPING CENTER
23958 HESPERIAN BLVD. HAYWARD CA

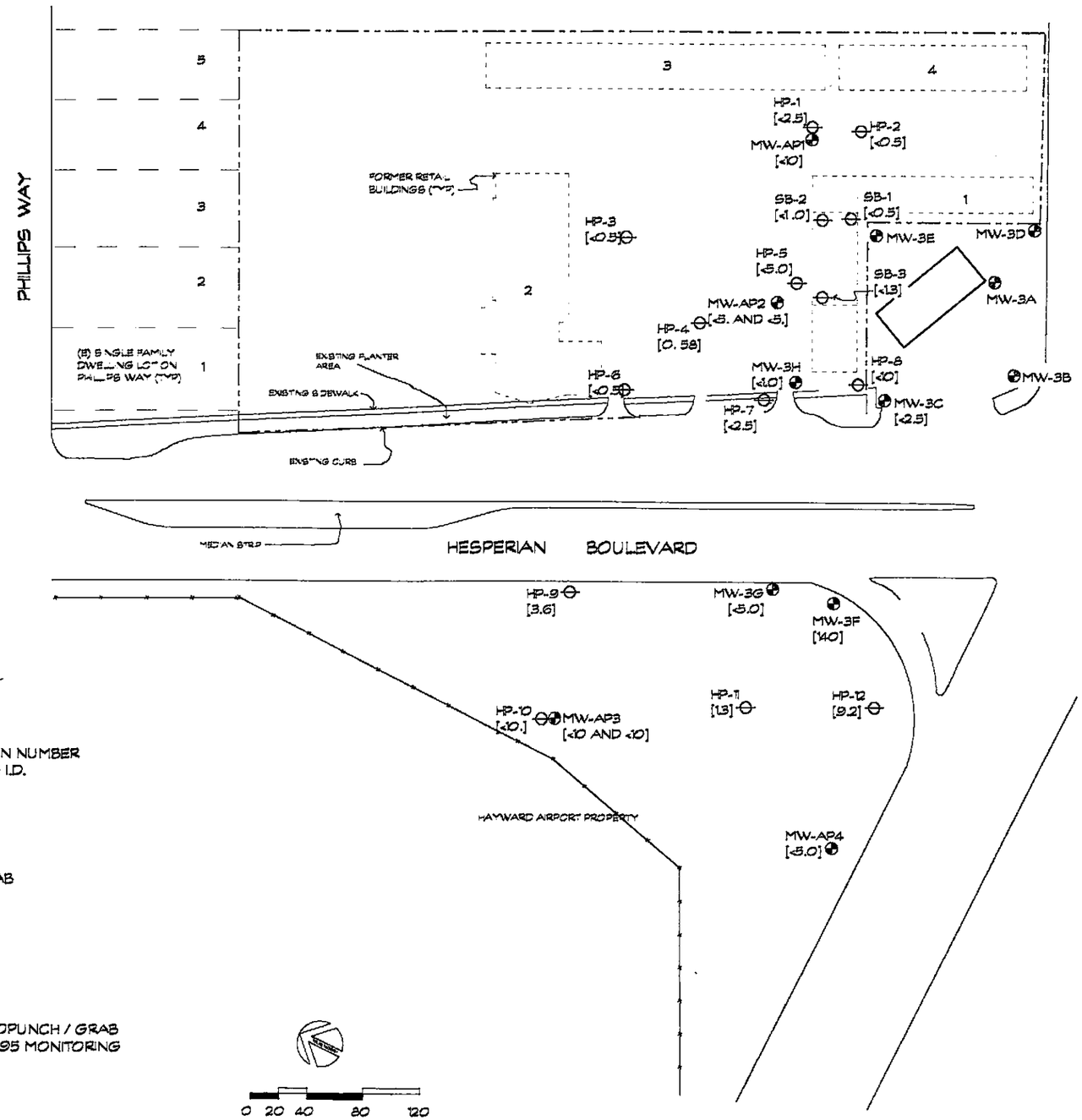
GROUNDWATER PCE CONCENTRATIONS 11/95

VAN BRUNT ASSOCIATES
685.5800

JOB #: 9480.2

ISSUED:
12/12/95

4



SYMBOL LEGEND

DESCRIPTION OF FEATURE:
MW = MONITORING WELL

MW-1 — NUMERICAL IDENTIFICATION NUMBER THE ORIGINAL INSTALLER'S I.D. NUMBER HAS BEEN USED.

SOIL BORING WITH GROUNDWATER GRAB SAMPLE OR HYDROPUNCH/GRAB SAMPLE LOCATION

SHEET NOTES

TCE CONCENTRATIONS ppb

TCE CONCENTRATIONS FROM 10/13/95 HYDROPUNCH / GRAB SAMPLING, 10/17/95 SOIL BORINGS, AND 11/14/95 MONITORING WELL SAMPLING.

5 TCE GROUNDWATER CONCENTRATIONS OCTOBER/NOVEMBER 1995

1" = 40'-0"

OWNER: ADOLPH P. SCHUMAN MARITAL TRUST
JIM CRAFTS ESQ. CO-TRUSTEE

AIRPORT PLAZA SHOPPING CENTER
23958 HESPERIAN BLVD. HAYWARD CA.

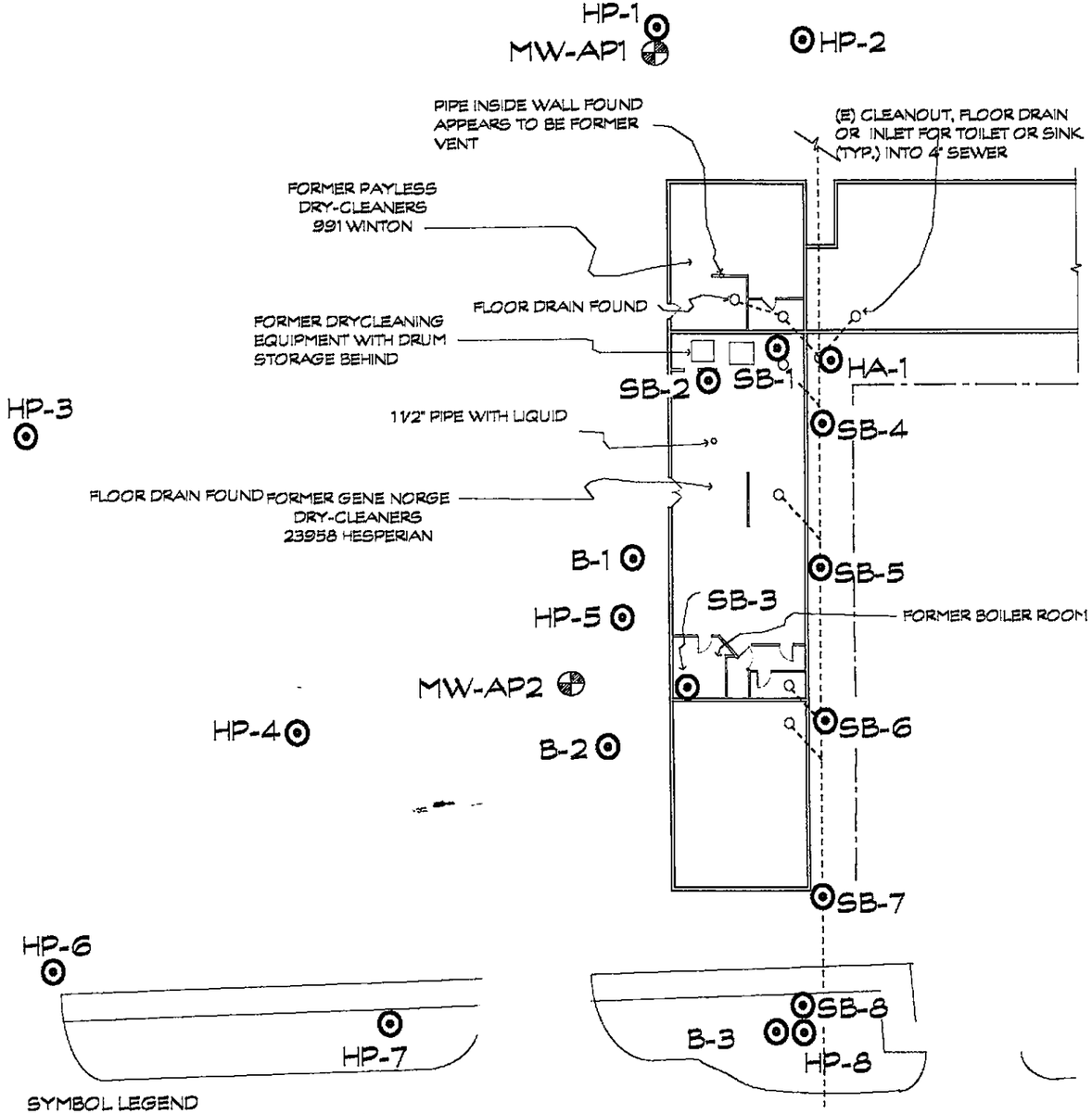
TCE GROUNDWATER CONCENTRATIONS OCTOBER/NOVEMBER 1995

VAN BRUNT ASSOCIATES
668.5900

JOB #: 94502

ISSUED:
12/12/95

5



SYMBOL LEGEND

⊙ SOIL BORING AND/OR GRAB SAMPLE LOCATION.

SAMPLE RESULTS IN ppb

SOIL QUALITY EXPLORATION

T= 40'-0"

SOIL SAMPLE RESULTS

		PCB
SB-1, 1.0-1.5	10/16/95	180
SB-1, 4.5-5.0	10/16/95	180
SB-1, 8.0-8.5	10/16/95	160
SB-1, 14.0-14.5	10/16/95	110
SB-1, 18.0-18.5	10/16/95	190
SB-2, 1.0-1.5	10/16/95	1400
SB-2, 4.0-4.5	10/16/95	210
SB-2, 8.0-8.5	10/16/95	260
SB-2, 14.0-14.5	10/16/95	310
SB-2, 18.0-18.5	10/16/95	240
SB-3, 1.5-2.0	10/16/95	<5.0
SB-3, 4.0-4.5	10/16/95	8
SB-3, 8.0-8.5	10/16/95	7.9
SB-3, 14.0-14.5	10/16/95	9.8
SB-3, 18.0-18.5	10/16/95	5.3
SB-4, 1.5-2.0	11/27/95	68
SB-4, 3.5-4.0	11/27/95	56
SB-4, 6.5-7.0	11/27/95	33
SB-4, 14.0-14.5	11/27/95	50
SB-4, 18.5-19.0	11/27/95	42
SB-5, 1.5-2.0	11/27/95	<5.0
SB-5, 2.5-3.0	11/27/95	7.4
SB-5, 7.0-7.5	11/27/95	15
SB-5, 9.5-10.0	11/27/95	18
SB-5, 14.5-15.0	11/27/95	8.9
SB-6, 1.5-2.0	11/27/95	<5.0
SB-6, 3.5-4.0	11/27/95	<5.0
SB-6, 7.0-7.5	11/27/95	<5.0
SB-7, 2.0-2.5	11/27/95	<5.0
SB-7, 4.5-5.0	11/27/95	<5.0
SB-7, 7.0-7.5	11/27/95	<5.0
SB-8, 1.5-2.0	11/27/95	<5.0
SB-8, 4.0-4.5	11/27/95	<5.0
SB-8, 7.0-7.5	11/27/95	<5.0

HP-5, 1.0-1.5	10/13/95	16
HP-5, 4.0-4.5	10/13/95	15
HP-7, 1.0-1.5	10/13/95	<5.0
HP-7, 4.0-4.5	10/13/95	<5.0
MW-AP1, 5.0	11/6/95	<5.0
MW-AP1, 18.5	11/6/95	<5.0
MW-AP2, 2.0	11/6/95	18
MW-AP2, 5.0	11/6/95	22
MW-AP2 , 8.5	11/6/95	14
MW-AP2, 14.5	11/6/95	13
MW-AP2, 18.5	11/6/95	52
MW-AP3, 18.0	11/9/95	<5.0
MW-AP3, 20.0	11/9/95	13
MW-AP4, 13.0	11/9/95	7.5
MW-AP4, 19.0	11/9/95	24

VOC RESULTS ppb

OWNER: ADOLPH P. SCHUMAN MARITAL TRUST
JIM CRAFTS ESQ. CO-TRUSTEE

AIRPORT PLAZA SHOPPING CENTER
23958 HESPERIAN BLVD. HAYWARD CA.

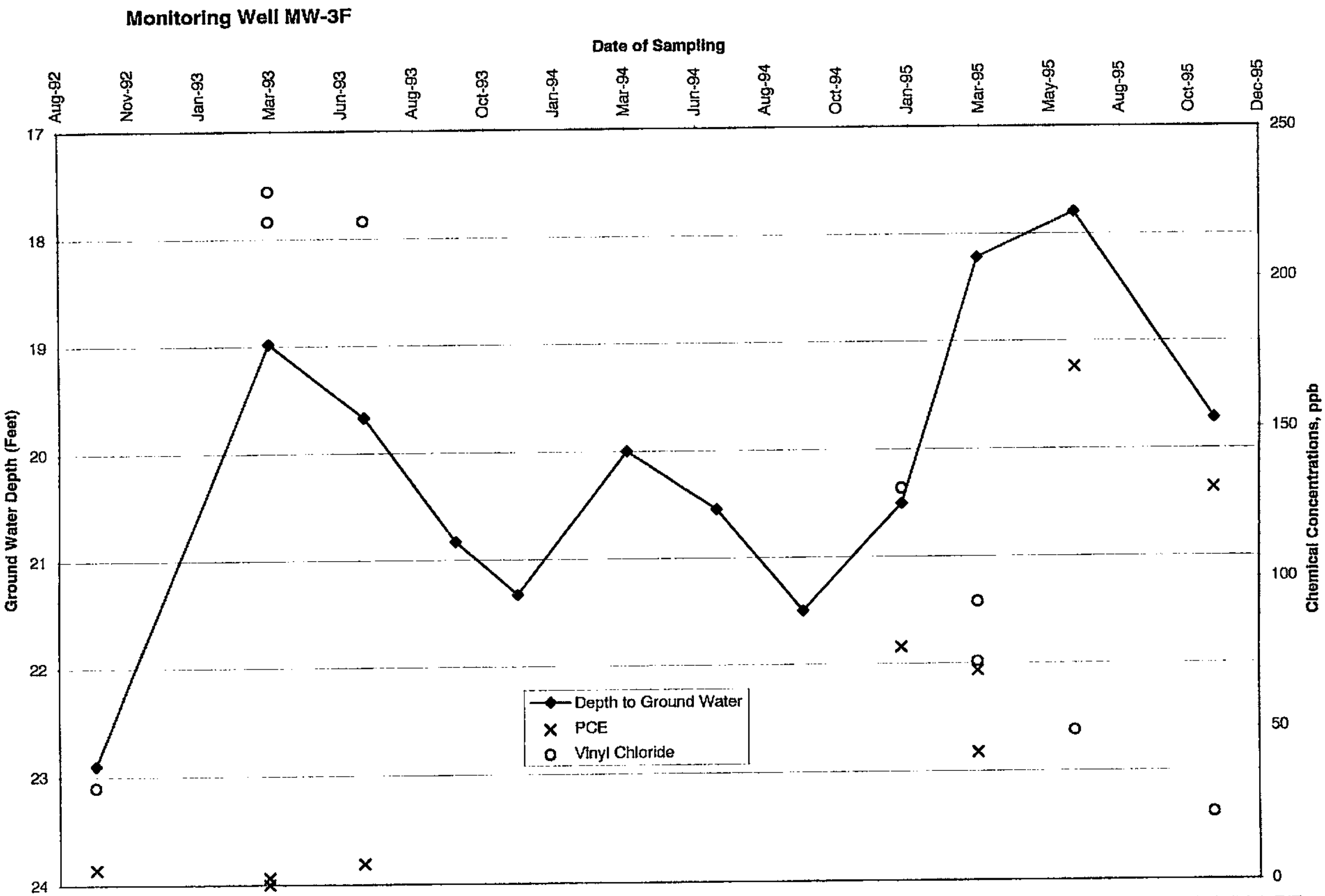
SOIL QUALITY EXPLORATION

VAN BRUNT ASSOCIATES 685.3900

JOB #: 24902

ISSUED: 12/12/95

6



HISTORIC VOC CONCENTRATIONS MW-3F

AIRPORT PLAZA SHOPPING CENTER
23535 HESPERIAN BLVD. HAYWARD CA.
OWNER: ADOLPH P. SCHUMAN MARITAL TRUST
JIM CRAFTS ESQ. CO-TRUSTEE

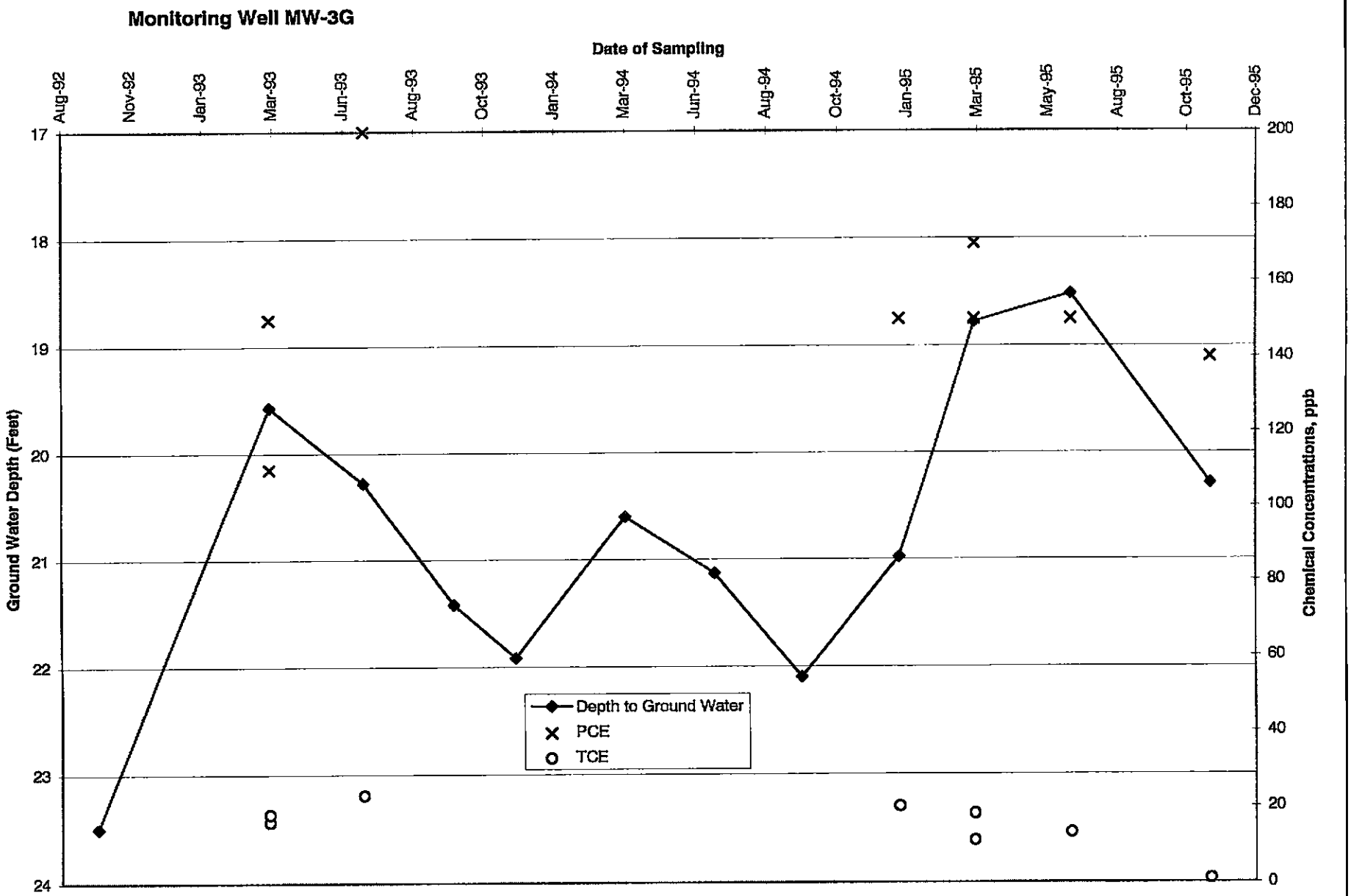
HISTORIC VOC CONCENTRATIONS MW-3F

VAN BRUNT ASSOCIATES 865.5900

JOB #: 94502

ISSUED: 12/12/95

7



HISTORIC VOC CONCENTRATIONS MW-3G

AIRPORT PLAZA SHOPPING CENTER
23535 HESPERIAN BLVD. HAYWARD CA
OWNER: ADOLPH P. SCHUMAN MARITAL TRUST
JIM CRAFTS ESQ. CO-TRUSTEE

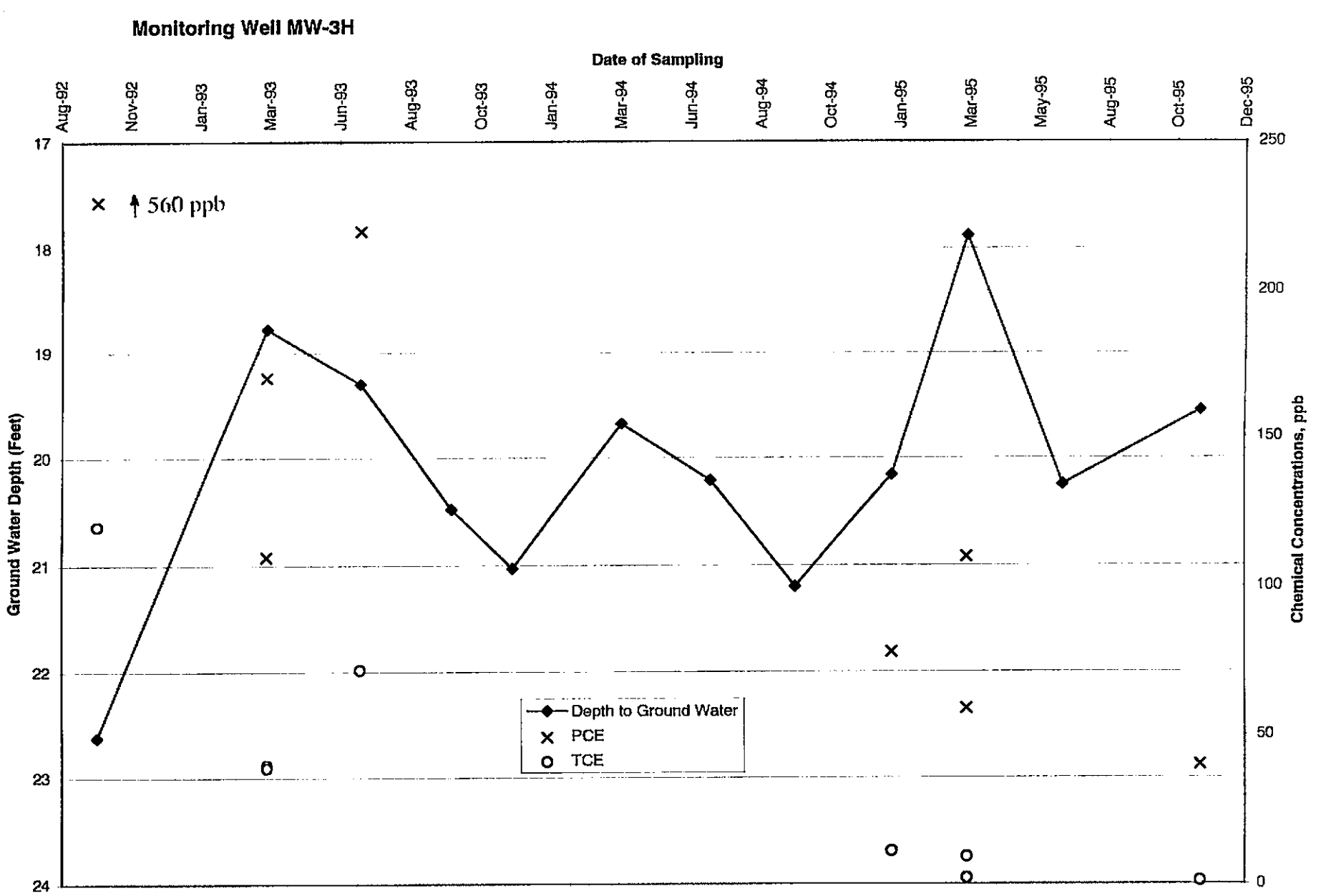
HISTORIC VOC CONCENTRATIONS MW-3G

VAN BRUNT ASSOCIATES
655-3900

JOB # 94502

ISSUED:
12/12/95

8



HISTORIC VOC CONCENTRATIONS MW-3H

OWNER: ADOLPH P. SCHUMAN MARITAL TRUST
JIM CRAFTS ESQ. CO-TRUSTEE

AIRPORT PLAZA SHOPPING CENTER
22953 HESPERIAN BLVD. HAYWARD CA

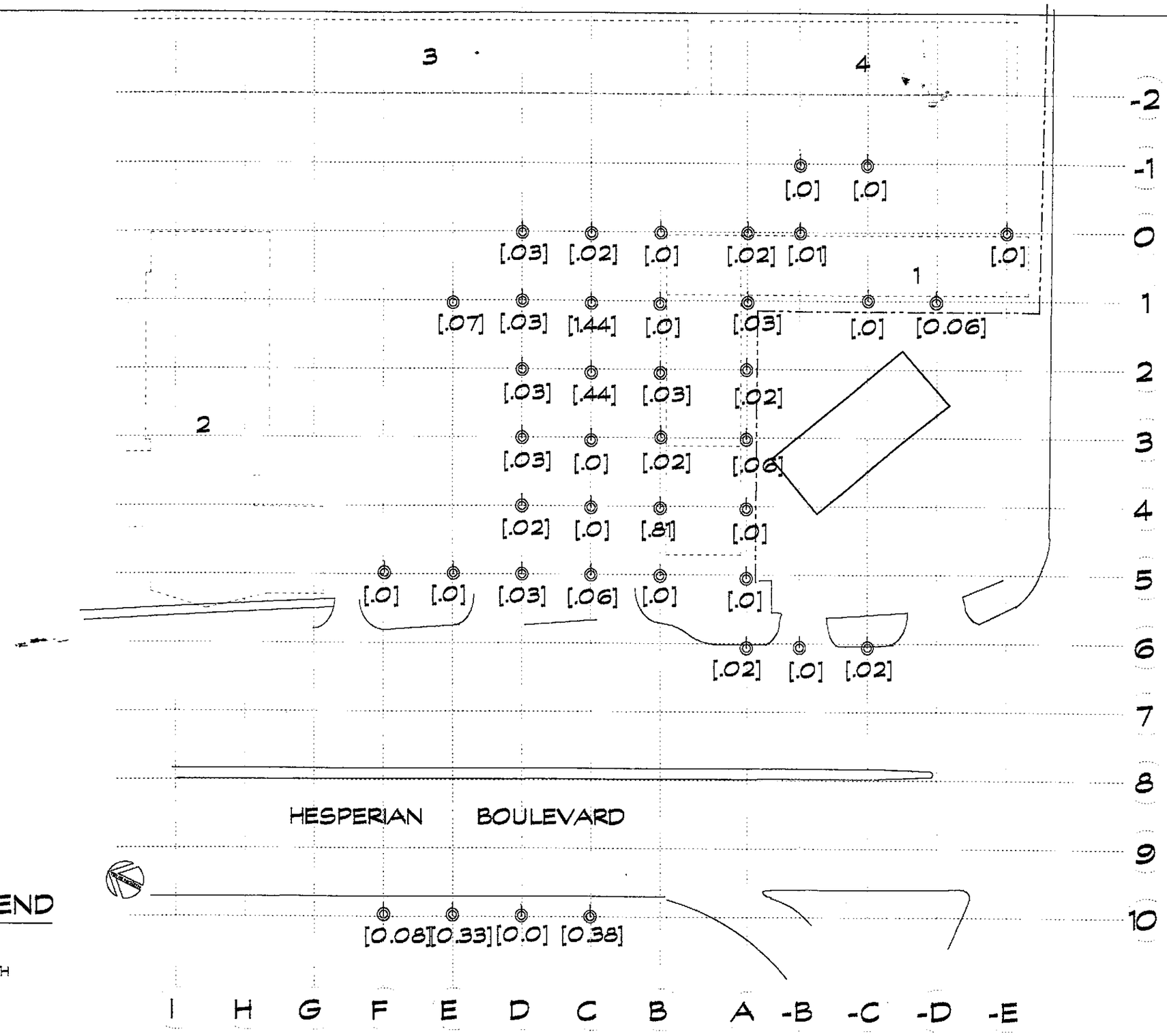
HISTORIC VOC CONCENTRATIONS MW-3H

VAN BRUNT ASSOCIATES 888.8900

JOB # 94503

ISSUED: 12/12/95

9



SYMBOL LEGEND

[0.08] SOIL VAPOR PROBE LOCATION AND DEPTH RESULT IN ppmV PCE

SOIL VAPOR CONCENTRATIONS 3/95

OWNER: ADOLPH P. SCHUMAN MARITAL TRUST
JIM CRAFTS ESQ. CO-TRUSTEE

AIRPORT PLAZA SHOPPING CENTER
23958 HESPERIAN BLVD. HAYWARD CA.

SOIL VAPOR CONCENTRATIONS 3/95

VAN BRUNT ASSOCIATES 685.3900

JOB #: 94502

ISSUED: 12/12/95

10

APPENDIX
TABLE OF CONTENTS

APPENDIX 1

HISTORICAL VOC COMPOUND DATA
AIRPORT PLAZA & FORMER TEXACO SITES

Table A-1 Historical VOC Soil and Ground Water Quality Data, Airport Plaza and Former Texaco Sites.

Monitoring Well Number	Date Sampled	1,2-Dichloroethane	cis-1,2-Dichloroethene	PCE	Trans-1,2-Dichloroethene	TCE	Vinyl Chloride	Chloroethane	Acetone	Chloroform	Chloromethane	Party Retaining Sampler,	VOC Test Method	Reference
MW-3A														
	3/25/93	ND	NA	<1.0	<1.0	<1.0	<1.0	ND	NA	ND	ND	Texaco	601	Resna, 12/29/93
	6/29/93	ND	NA	<1.0	<1.0	<1.0	<1.0	ND	NA	ND	ND	Texaco	601	Resna, 12/29/93
	12/28/94	ND	ND	ND	ND	ND	ND	**0.59**	NA	ND	ND	Texaco	8010	Texaco, 3/27/95
	3/15/95	<5	<5	<5	<5	<5	<10	<10	<100	<5	<10	Schuman	8240	Current Report
MW-3B														
	12/28/94	**5.3**	ND	ND	ND	ND	ND	ND	NA	ND	ND	Texaco	8010	Texaco, 3/27/95
	3/15/95	<300	<300	<300	<300	<300	<500	<500	<5000	<300	<500	Schuman	8240	Current Report
	6/22/95	**3.6**	ND	ND	ND	ND	ND	ND	NA	ND	ND	Texaco	601	Blaine Tech, 6/22/95
MW-3C														
	12/28/94	**1.3**	**1.9**	**8.9**	ND	**1.8**	ND	ND	NA	**0.75**	ND	Texaco	8010	Texaco, 3/27/95
	3/15/95	**1.2**	**18**	**5.3**	ND	**2.2**	**0.71**	ND	NA	ND	ND	Texaco	601	Blaine Tech, 4/21/95
	3/15/95	<30	<30	<30	<30	<30	<50	<50	<500	<30	<50	Schuman	8240	Current Report
	6/22/95	**0.59**	**34**	**2.1**	ND	**1.6**	ND	ND	NA	ND	ND	Texaco	601	Blaine Tech, 6/22/95
	11/14/95	<2.5	**50**	<2.5	<2.5	<2.5	<5.0	<5.0	NA	<2.5	<5.0	Schuman	8010	Current Report
MW-3D														
	3/25/93	ND	NA	<1.0	<1.0	<1.0	<1.0	ND	NA	ND	ND	Texaco	601	Resna, 12/29/93
	6/29/93	ND	NA	<1.0	<1.0	<1.0	<1.0	ND	NA	ND	ND	Texaco	601	Resna, 12/29/93
	12/28/94	ND	NA	**0.61**	ND	ND	ND	ND	NA	ND	**0.72**	Texaco	8010	Texaco, 3/27/95
	3/15/95	ND	NA	**0.56**	ND	ND	ND	ND	NA	ND	ND	Texaco	601	Blaine Tech, 4/21/95
	3/15/95	<5	<5	<5	<5	<5	<10	<10	<100	<5	<10	Schuman	8240	Current Report
MW-3E														
	3/25/93	ND	NA	<1.0	<1.0	<1.0	<1.0	ND	NA	ND	ND	Texaco	601	Resna, 12/29/93
	6/29/93	Not Sampled: Well Inaccessible												Resna, 12/29/93
	12/28/94	ND	ND	**17**	ND	ND	ND	ND	NA	ND	ND	Texaco	8010	Texaco, 3/27/95
	3/15/95	ND	ND	**25**	ND	ND	ND	ND	NA	ND	ND	Texaco	601	Blaine Tech, 4/21/95
	3/15/95	<5	<5	**14**	<5	<5	<10	<10	<100	<5	<10	Schuman	8240	Current Report
	6/22/95	ND	ND	**1.1**	ND	**0.74**	ND	ND	NA	ND	ND	Texaco	601	Blaine Tech, 6/22/95

Notes:

1) All concentrations are in ppb.
2) NA - Not Analyzed.
3) ND - Not Detected above laboratory detection limits.
4) Other compounds not shown had no detectable concentrations.

Table A-1 Historical VOC Soil and Ground Water Quality Data, Airport Plaza and Former Texaco Sites.
(Continued)

Monitoring Well Number	Date Sampled	1,2-Dichloroethane	cis-1,2-Dichloroethene	PCE	Trans-1,2-Dichloroethene	TCE	Vinyl Chloride	Chloroethane	Acetone	Chloroform	Chloromethane	Party Sampler, Retaining	VOC Test Method	Reference
MW-3F														
	9/30/92		<1.0	5.1	<1.0	2.2	32					Texaco	8240	Resna, 12/29/93
	3/25/93		NA	2.3	<1.0	2.6	230					Texaco	601	Resna, 12/29/93
	3/25/93		<5.0	<5.0	<5.0	<5.0	220					Texaco	8240	Resna, 12/29/93
	6/29/93		14	6.8	<5.0	3.6	220					Texaco	8240	Resna, 12/29/93
	12/28/94	1.9	120	77	1.6	45	130	ND	NA	ND	ND	Texaco	8010	Texaco, 3/27/95
	3/15/95	1.5	110	71	1.0	54	72	ND	NA	ND	ND	Texaco	8010	Blaine Tech, 4/21/95
	3/15/95	<5	65	42	<5	29	92	<10	110	<5	<10	Schuman	8240	Current Report
	6/22/95	1.9	60	170	1.1	50	49	ND	NA	2.3	ND	Texaco	601	Blaine Tech, 6/22/95
	11/22/95	<0.50	66	130	<0.50	140	22	<1.0	NA	<0.50	<1.0	Schuman	8010	Current Report
MW-3G														
	3/25/93		NA	110	12	16	<1.0					Texaco	601	Resna, 12/29/93
	3/25/95		14	150	<5.0	18	<10.0					Texaco	8240	Resna, 12/29/93
	6/29/93		20	200	<5.0	23	<5.0					Texaco	8240	Resna, 12/29/93
	12/28/94	ND	11	150	ND	20	ND	ND	NA	1.0	ND	Texaco	8010	Texaco, 3/27/95
	3/15/95	ND	7	170	ND	18	ND	ND	NA	ND	ND	Texaco	601	Blaine Tech, 4/21/95
	3/15/95	<5	5	150	<5	11	<10	<10	<100	<5	<10	Schuman	8240	Current Report
	6/22/95	ND	6.6	150	ND	13	ND	ND	NA	ND	ND	Texaco	601	Blaine Tech, 6/22/95
	11/14/95	<5.0	<5.0	140	<5.0	<5.0	<10	<10	NA	<5.0	<10	Schuman	8010	Current Report
MW-3H														
	9/30/92		140	560	<1.0	120	<2.0					Texaco	8240	Resna, 12/29/93
	3/25/93		NA	110	29	40	<1.0					Texaco	601	Resna, 12/29/93
	3/25/93		34	170	<5.0	39	<10.0					Texaco	8240	Resna, 12/29/93
	6/29/93		56	220	<5.0	72	<5.0					Texaco	8240	Resna, 12/29/93
	12/28/94	ND	5.8	78	ND	11	ND	ND	NA	1.5	ND	Texaco	8010	Texaco, 3/27/95
	3/15/95	ND	3.4	110	ND	9.1	ND	ND	NA	ND	ND	Texaco	601	Blaine Tech, 4/21/95
	3/15/95	<5	<5	59	<5	<5	<10	<10	<100	<5	<10	Schuman	8240	Current Report
	11/14/95	<1.0	<1.0	40	<1.0	<1.0	<2.0	<2.0	NA	<1.0	<2.0	Schuman	8010	Current Report

Notes:

1) All concentrations are in ppb.
2) NA - Not Analyzed.
3) ND - Not Detected above laboratory detection limits.
4) MW-3F also had a concentration of 0.94 ppb 1,4 Dichlorobenzene on 6/22/95.
5) Other compounds not shown had no detectable concentrations.

Table A-1 Historical VOC Soil and Ground Water Quality Data, Airport Plaza and Former Texaco Sites.
(Continued)

Monitoring Well Number	Date Sampled	1,2-Dichloroethane	cis-1,2-Dichloroethene	PCE	Trans-1,2-Dichloroethene	TCE	Vinyl Chloride	Chloroethane	Acetone	Chloroform	Chloromethane	Party Retaining Sampler,	VOC Test Method	Reference
MW-AP1	11/14/95	<10	<10	**260**	<10	<10	<20	<20	NA	<10	<20	Schuman	8010	Current Report
MW-AP2	11/14/95	<5.0	<5.0	**170**	<5.0	<5.0	<10	<10	NA	<5.0	<10	Schuman	8010	Current Report
Split	11/14/95	<5.0	<5.0	**180**	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<10	Schuman	8010	Current Report
MW-AP3	11/14/95	<10	<10	**350**	<10	<10	<20	<20	NA	<10	<20	Schuman	8010	Current Report
MW-AP4	11/14/95	<5.0	<5.0	**140**	<5.0	<5.0	<10	<10	NA	<5.0	<10	Schuman	8010	Current Report
Travel Blank	11/14/95	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	NA	<0.5	<1.0	Schuman	8010	Current Report
Hydropunch Number														
B1	10/28/94	<1	NA	**56**	<1	<1	<1	<1	NA	<1	<1	Taco Bell	8010	Krazan & Associates, Inc., 11/22/94
B2	10/28/94	<1	NA	**140**	<1	<1	<1	<1	NA	<1	<1	Taco Bell	8010	Krazan & Associates, Inc., 11/22/94
B3	10/28/94	**10**	NA	<1	<1	<1	**15**	<1	NA	<1	<1	Taco Bell	8010	Krazan & Associates, Inc., 11/22/94
HP-1	10/13/95	<2.5	<2.5	**190**	<2.5	<2.5	<5.0	<5.0		<2.5	<5.0	Schuman	8010	Current Report
HP-2	10/13/95	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0		<0.5	<1.0	Schuman	8010	Current Report
HP-3	10/13/95	<0.5	<0.5	**2.3**	<0.5	<0.5	<1.0	<1.0		<0.5	<1.0	Schuman	8010	Current Report
HP-4	10/13/95	<0.5	<0.5	**2.9**	<0.5	**0.58**	<1.0	<1.0		<0.5	<1.0	Schuman	8010	Current Report
HP-5	10/13/95	<5.0	<5.0	**230**	<5.0	<5.0	<10	<10		<10	<5.0	Schuman	8010	Current Report
HP-6	10/13/95	<0.5	<0.5	**9.9**	<0.5	<0.5	<1.0	<1.0		<0.5	<1.0	Schuman	8010	Current Report
HP-7	10/13/95	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<5.0		<2.5	<5.0	Schuman	8010	Current Report
HP-8	10/13/95	<10	**14**	<10	<10	<10	<20	<20		<10	<20	Schuman	8010	Current Report
HP-9	10/13/95	<2.5	**2.5**	**140**	<2.5	**3.6**	<5.0	<5.0		<2.5	<5.0	Schuman	8010	Current Report
HP-10	10/13/95	<10	<10	**450**	<10	<10	<20	<20		<10	<20	Schuman	8010	Current Report
HP-11	10/13/95	<1.3	<1.3	**87**	<1.3	**1.3**	<2.5	<2.5		<1.3	<2.5	Schuman	8010	Current Report
HP-12	10/13/95	<2.5	**31**	**99**	<2.5	**9.2**	<5.0	<5.0		**3.3**	<5.0	Schuman	8010	Current Report
Travel Blank	10/13/95	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0		<0.5	<1.0	Schuman	8010	Current Report
SB-1	10/17/95	<0.5	<0.5	**19**	<0.5	<0.5	<1.0	<1.0		<0.5	<1.0	Schuman	8010	Current Report
SB-2	10/17/95	<1.0	<1.0	**53**	<1.0	<1.0	<2.0	<2.0		<1.0	<2.0	Schuman	8010	Current Report
SB-3	10/17/95	<1.3	<1.3	**83**	<1.3	<1.3	<2.5	<2.5		<1.3	<2.5	Schuman	8010	Current Report
SB-3	10/17/95	<2.5	<2.5	**110**	<2.5	<2.5	<2.5	<2.5		<2.5	<5.0	Schuman	8010	Current Report

Notes:

1) All concentrations are in ppb.
2) NA - Not Analyzed.
3) ND - Not Detected above laboratory detection limits.
4) Other compounds not shown had no detectable concentrations.

Table A-1 Historical VOC Soil and Ground Water Quality Data, Airport Plaza and Former Texaco Sites.
(Continued)

Soil Boring	Date Sampled	PCE (ppb)	Party Retaining Sampler	Analysis	Reference
B1, 20 feet	10/28/94	<5	Taco Bell, 8010	8010	Krazan & Associates, Inc., 11/22/94
B2, 20 feet	10/28/94	<5	Taco Bell, 8010	8010	Krazan & Associates, Inc., 11/22/94
B3, 20 feet	10/28/94	<5	Taco Bell, 8010	8010	Krazan & Associates, Inc., 11/22/94
* HA1, 5 feet	10/28/94	<5	Taco Bell, 8010	8010	Krazan & Associates, Inc., 11/22/94
Soil Borings					
SB-1, 1.0- 1.5	10/16/95	**160**	Schuman	8010	Current Report
SB-1, 4.5-5.0	10/16/95	**160**	Schuman	8010	Current Report
SB-1, 8.0-8.5	10/16/95	**160**	Schuman	8010	Current Report
SB-1, 14.0-14.5	10/16/95	**110**	Schuman	8010	Current Report
SB-1, 18.0-18.5	10/16/95	**130**	Schuman	8010	Current Report
SB-2, 1.0- 1.5	10/16/95	**1400**	Schuman	8010	Current Report
SB-2, 4.0-4.5	10/16/95	**210**	Schuman	8010	Current Report
SB-2, 8.0-8.5	10/16/95	**260**	Schuman	8010	Current Report
SB-2, 14.0-14.5	10/16/95	**310**	Schuman	8010	Current Report
SB-2, 18.0-18.5	10/16/95	**240**	Schuman	8010	Current Report
SB-3, 1.5-2.0	10/16/95	<5.0	Schuman	8010	Current Report
SB-3, 4.0-4.5	10/16/95	**8.0**	Schuman	8010	Current Report
SB-3, 8.0-8.5	10/16/95	**7.9**	Schuman	8010	Current Report
SB-3, 14.0-14.5	10/16/95	**9.8**	Schuman	8010	Current Report
SB-3, 18.0-18.5	10/16/95	**5.3**	Schuman	8010	Current Report
SB-4, 1.5-2.0	11/27/95	**68**	Schuman	8010	Current Report
SB-4, 3.5-4.0	11/27/95	**56**	Schuman	8010	Current Report
SB-4, 6.5-7.0	11/27/95	**33**	Schuman	8010	Current Report
SB-4, 14.0-14.5	11/27/95	**50**	Schuman	8010	Current Report
SB-4, 18.5-19.0	11/27/95	**42**	Schuman	8010	Current Report
SB-5, 1.5-2.0	11/27/95	<5.0	Schuman	8010	Current Report
SB-5, 2.5-3.0	11/27/95	**7.4**	Schuman	8010	Current Report
SB-5, 7.0-7.5	11/27/95	**15**	Schuman	8010	Current Report
SB-5, 9.5-10.0	11/27/95	**18**	Schuman	8010	Current Report
SB-5, 14.5-15.0	11/27/95	**8.9**	Schuman	8010	Current Report

Notes:
1) All concentrations are in ppb.
2) Other compounds not shown had no detectable concentrations.

Table A-1 Historical VOC Soil and Ground Water Quality Data, Airport Plaza and Former Texaco Sites.
(Continued)

Soil Boring	Date Sampled	PCE (ppb)	Party Retaining Sampler	Analysis	Reference
SB-6, 1.5-2.0	11/27/95	<5.0	Schuman	8010	Current Report
SB-6, 3.5-4.0	11/27/95	<5.0	Schuman	8010	Current Report
SB-6, 7.0-7.5	11/27/95	<5.0	Schuman	8010	Current Report
SB-7, 2.0-2.5	11/27/95	<5.0	Schuman	8010	Current Report
SB-7, 4.5-5.0	11/27/95	<5.0	Schuman	8010	Current Report
SB-7, 7.0-7.5	11/27/95	<5.0	Schuman	8010	Current Report
SB-8, 1.5-2.0	11/27/95	<5.0	Schuman	8010	Current Report
SB-8, 4.0-4.5	11/27/95	<5.0	Schuman	8010	Current Report
SB-8, 7.0-7.5	11/27/95	<5.0	Schuman	8010	Current Report
HP-5, 1.0-1.5	10/13/95	**16**	Schuman	8010	Current Report
HP-5, 4.0-4.5	10/13/95	**15**	Schuman	8010	Current Report
HP-7, 1.0-1.5	10/13/95	<5.0	Schuman	8010	Current Report
HP-7, 4.0-4.5	10/13/95	<5.0	Schuman	8010	Current Report
MW-AP1, 5.0	11/6/95	<5.0	Schuman	8010	Current Report
MW-AP1, 18.5	11/6/95	<5.0	Schuman	8010	Current Report
MW-AP2, 2.0	11/6/95	**16**	Schuman	8010	Current Report
MW-AP2, 5.0	11/6/95	**22**	Schuman	8010	Current Report
MW-AP2, 8.5	11/6/95	**14**	Schuman	8010	Current Report
MW-AP2, 14.5	11/6/95	**13**	Schuman	8010	Current Report
MW-AP2, 18.5	11/6/95	**52**	Schuman	8010	Current Report
MW-AP3, 15.0	11/9/95	**5.1**	Schuman	8010	Current Report
MW-AP3, 20.0	11/9/95	**13**	Schuman	8010	Current Report
MW-AP4, 15.0	11/9/95	**7.5**	Schuman	8010	Current Report
MW-AP4, 19.0	11/9/95	**24**	Schuman	8010	Current Report

Notes:
1) All concentrations are in ppb.
2) Other compounds not shown had no detectable concentrations.

APPENDIX 2

FIELD INVESTIGATION
AIRPORT PLAZA

- BORING AND MONITORING WELL PERMITS
- KEY TO BORING LOGS
- EXPLORATORY BORING LOGS
- WELL DEVELOPMENT AND SAMPLING RECORDS

APPENDIX II

FIELD INVESTIGATION

The soils encountered during drilling were logged by our representative, and samples were obtained at depths appropriate to the investigation. Selected samples were taken to our laboratory where they were carefully observed and classified in accordance with the Unified Soil Classification System per ASTM D 2487. The logs of our borings, as well as a summary of the soil classification system (Figure A-1), are attached.

All sampling equipment was thoroughly cleaned with a tri-sodium phosphate or alconox and distilled water solution or steam cleaned. Soil samples were collected using 2.5-inch O.D. drive samplers, unles indicated otherwise. Upon collection from the 3.0-inch sampler, the ends of the brass liners were covered with Teflon or aluminum foil and then sealed with a plastic cap at each end. The caps were taped airtight and labeled appropriately. These were then immediately placed in an ice cooled chest for transport to a certified analytical laboratory. Samples were also retrieved for delivery to our office for evaluation and classification testing. The penetration resistance was determined by dropping a 140-pound hammer through a 30-inch free fall, and recording the blows required to drive the 2.5-inch (outside diameter) sampler 18 inches. The penetration resistance is the number of blows required to drive the sampler the last 12 inches, and is recorded on the boring log at the appropriate depth. The blow counts shown on the logs for the 2.5-inch sampler, rather than for a 2-inch sampler, and therefore do not represent standard penetration resistance values and have not been corrected in any way.

The location of the borings were established by pacing or by tape measurement using the available site plans. The location should be considered accurate only to the degree implied by the method used.

The boring logs and related information depict our interpretation of subsurface conditions only at the specific location and time indicated. Subsurface conditions and ground water levels at other locations may differ from conditions at the locations where sampling was conducted. The passage of time may also result in changes in the subsurface conditions.

The wells were sampled using a disposable bailer with new nylon rope. At least three well casing volumes of ground water was removed from each well prior to sampling. Conductivity, pH, and temperature measurements were recorded. All sampling equipment was cleaned with an aqueous alconox or tri-sodium phosphate solution and distilled water prior to entering the well. Well sampling records for the wells are attached. After well purging, the ground water was sampled. The bailer was lowered into the well below the water surface. After retrieving the bailer, the ground water was decanted into appropriate sample bottles, labeled, and immediately refrigerated until delivered to an analytical laboratory certified by the CDHS for chemical analysis of drinking water and hazardous waste. A chain of custody form was maintained for the samples.

BORING AND MONITORING WELL PERMITS

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 VOICE (510) 484-2600 FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT N.E and N.W. Corners of intersection of West Winton Avenue & Hesperian Blvd. in Hayward

CLIENT
Name Jim Crafts, Adolf P. Schuman Marital Trust
Address 400 San Some St. Voice 415 773 5656
City San Francisco Zip 94111

APPLICANT
Name Van Brunt Associates
Fax 510-945-0606
Address 1517 N. Main St. Suite Voice 510-685-5900
City Walnut Creek Zip 94596

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	___	General	___
Water Supply	___	Contamination	X
Monitoring	___	Well Destruction	___

PROPOSED WATER SUPPLY WELL USE
Domestic ___ Industrial ___ Other ___
Municipal ___ Irrigation ___

DRILLING METHOD:
Mud Rotary ___ Air Rotary ___ Auger ___
Cable ___ Other Hydraulically pushing hydropunch

DRILLER'S LICENSE NO. 706568

WELL PROJECTS
Drill Hole Diameter ___ in. Maximum
Casing Diameter ___ in. Depth ___ ft.
Surface Seal Depth ___ ft. Number ___

GEOTECHNICAL PROJECTS
Number of Borings 12 Maximum
Hole Diameter 1-2 in. Depth 26 ft.

ESTIMATED STARTING DATE 10/13/95
ESTIMATED COMPLETION DATE 10/14/95

I hereby agree to comply with all requiremen this permit and Alameda County Ordinance No. 73-68.

FOR OFFICE USE

PERMIT NUMBER 95673
LOCATION NUMBER

PERMIT CONDITIONS

Circled Permit Requirements Apply

A. GENERAL
(1.) A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
(3.) Permit is void if project not begun within 90 days of approval date.

B. WATER WELLS, INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

(C.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

E. WELL DESTRUCTION. See attached.

Approved Wyman Hong Date 13 Oct
Wyman Hong

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 VOICE (510) 484-2600
FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 23958 Hesperian Blvd.
Hayward

CLIENT
Name Mr. Jim Crafts, Adolf P. Schuman Marital Trust
Address 400 San Some St. Voice 415 773 - 5656
City San Francisco Zip 94111

APPLICANT
Name Van Brunt Associates
Fax 510 - 945-0606
Address 1517 N. Main St., Suite 204 Voice 510 - 685 - 5900
City Walnut Creek Zip 94596

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	___	General	___
Water Supply	___	Contamination	X
Monitoring	___	Well Destruction	___

PROPOSED WATER SUPPLY WELL USE
Domestic ___ Industrial ___ Other ___
Municipal ___ Irrigation ___

DRILLING METHOD:
Mud Rotary ___ Air Rotary ___ Auger ___
Cable ___ Other Hydraulically pushing sampling tool

DRILLER'S LICENSE NO. 636387

WELL PROJECTS
Drill Hole Diameter ___ in. Maximum
Casing Diameter ___ in. Depth ___ ft.
Surface Seal Depth ___ ft. Number ___

GEOTECHNICAL PROJECTS
Number of Borings 3 Maximum
Hole Diameter 2 in. Depth 26 ft.

ESTIMATED STARTING DATE 10/16/95
ESTIMATED COMPLETION DATE 10/17/95

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

FOR OFFICE USE

PERMIT NUMBER 95674
LOCATION NUMBER ___

PERMIT CONDITIONS

Circled Permit Requirements Apply

A. GENERAL
(1.) A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
(3.) Permit is void if project not begun within 90 days of approval date.

B. WATER WELLS, INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial well or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

(C.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

E. WELL DESTRUCTION. See attached.

Approved Wyman Hong Date 13 Oct 9
Wyman Hong

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 VOICE (510) 484-2600
FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT N.E. corner of intersection of West Winton Avenue & Hesperian Blvd in Hayward, CA

CLIENT
Name Jim Crafts, Adolf P. Schuman Marital Trust
Address 400 San Some St. Voice 415 773 5656
City San Francisco CA Zip 94111

APPLICANT
Name Van Brunt Assoc.
Fax
Address 1517 N. Main, Suite 20 Voice
City Walnut Creek CA Zip 94596

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection		General	
Water Supply		Contamination	X
Monitoring		Well Destruction	

PROPOSED WATER SUPPLY WELL USE
Domestic ___ Industrial ___ Other ___
Municipal ___ Irrigation ___

DRILLING METHOD:
Mud Rotary ___ Air Rotary ___ Auger X
Cable ___ Other ___

DRILLER'S LICENSE NO. 604 987

WELL PROJECTS
Drill Hole Diameter ___ in. Maximum
Casing Diameter ___ in. Depth ___ ft.
Surface Seal Depth ___ ft. Number ___

GEOTECHNICAL PROJECTS
Number of Borings 5 Maximum
Hole Diameter 8 in. Depth 20 ft.

ESTIMATED STARTING DATE Nov 27, 1995
ESTIMATED COMPLETION DATE Nov 28, 1995

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [signature] Date 11/27/95

FOR OFFICE USE

PERMIT NUMBER 95791
LOCATION NUMBER ___

PERMIT CONDITIONS

Circled Permit Requirements Apply

A. GENERAL
(1.) A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
(3.) Permit is void if project not begun within 90 days of approval date.

B. WATER WELLS, INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

(C.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

E. WELL DESTRUCTION. See attached.

Approved Wyman Hong Date 29 Nov 95
Wyman Hong

91992

KEY TO BORING LOGS

USCS SOIL CLASSIFICATION

PRIMARY DIVISIONS			SOIL TYPE	SECONDARY DIVISIONS
COURSE GRAINED SOILS (< 50 % Fines)	GRAVEL	CLEAN GRAVEL (< 5% Fines)	GW	Well graded gravel, gravel-sand mixtures, little or no fines.
			GP	Poorly graded gravel or gravel-sand mixtures, little or no fines.
		GRAVEL with FINES	GM	Silty gravels, gravel-sand-silt mixtures, non-plastic fines.
			GC	Clayey gravels, gravel-sand-clay mixtures, plastic fines.
	SAND	CLEAN SAND (< 5% Fines)	SW	Well graded sands, gravelly sands, little or no fines.
			SP	Poorly graded sands or gravelly sands, little or no fines.
		SAND WITH FINES	SM	Silty sands, sand-silt mixtures, non-plastic fines.
			SC	Clayey sands, sand-clay mixtures, plastic fines.
FINE GRAINED SOILS (> 50 % Fines)	SILT AND CLAY Liquid limit < 50%		ML	Inorganic silts and very fine sands, with slight plasticity.
			CL	Inorganic clays of low to medium plasticity, lean clays.
			OL	Organic silts and organic clays of low plasticity.
	SILT AND CLAY Liquid limit > 50%		MH	Inorganic silt, micaceous or diatomaceous fine sandy or silty soil.
			CH	Inorganic clays of high plasticity, fat clays.
			OH	Organic clays of medium to high plasticity, organic silts.
HIGHLY ORGANIC SOILS			Pt	Peat and other highly organic soils.

RELATIVE DENSITY

SAND & GRAVEL	BLOWS/FOOT*
VERY LOOSE	0 to 4
LOOSE	4 to 10
MEDIUM DENSE	10 to 30
DENSE	30 to 50
VERY DENSE	OVER 50

CONSISTENCY

SILT & CLAY	STRENGTH^	BLOWS/FOOT*
VERY SOFT	0 to 0.25	0 to 2
SOFT	0.25 to 0.5	2 to 4
FIRM	0.5 to 1	4 to 8
STIFF	1 to 2	8 to 16
VERY STIFF	2 to 4	16 to 32
HARD	OVER 4	OVER 32

GRAIN SIZES

BOULDERS	COBBLES	GRAVEL		SAND			SILT & CLAY
		COURSE	FINE	COURSE	MEDIUM	FINE	

12 " 3" 0.75" 4 10 40 200

SIEVE OPENINGS — U.S. STANDARD SERIES SIEVE

Classification is based on the Unified Soil Classification System (ASTM D - 2487); fines refer to soil passing a No. 200 sieve.

* Standard Penetration Test (SPT) resistance, using a 140 pound hammer falling 30 inches on a 2 inch O.D. split spoon sampler (ASTM D - 1586); blow counts when using 2.5-inch O.D. sampler also noted on the logs but not directly comparable.

KEY TO EXPLORATORY BORING LOGS
AIRPORT PLAZA PROPERTY
HAYWARD, CALIFORNIA

FIGURE A-2
DECEMBER, 1995

EXPLORATORY BORING LOGS

DRILL TYPE: CME 75 with 8-inch diameter hollow stem augers | LOGGED BY: BL

DEPTH TO GROUND WATER: 20.5 Feet | SURFACE ELEVATION: 49.4 Feet | DATE DRILLED: 11/6/95

CLASSIFICATION AND DESCRIPTION	SOIL TYPE	DEPTH (FEET)	SAMPLE INTERVAL	SPT RESISTANCE (Blows/ft)	TIME	HNu Readings (ppm)	ODOR
Asphaltic concrete/aggregate base surfacing.							
Dark brown, stiff, moist, Silty Clay with sand, medium to high plasticity, very fine sar	CH			22	9:45	0	None
Brown, stiff, moist, Silty Clay with sand, low to medium plasticity.	CL	5		10	9:50	0	None
●Percent retained on No. 200 sieve = 18 percent.			●	11	10:00	0	None
		10					
		15		18	10:05	0	None
Brown Sandy Clay, low to medium plasticity fines.	CL						
6-inch Clayey Sand lens at 18.5 to 19.0 feet, wet to saturated.			●	10	10:15	0	None
		20					
●Percent retained on No. 200 sieve = 30 percent.	CL						
Brown with red-brown mottling, Sandy Clay, stiff, saturated, low plasticity.				12	10:25	1	None
		25					
Bottom of boring at 27.0 feet.							
Note: Monitoring well constructed in boring following drilling.		30					

MONITORING WELL LOG MW-AP1
AIRPORT PLAZA PROPERTY
HAYWARD, CALIFORNIA

MW-AP1
DECEMBER, 1995

DRILL TYPE: CME 75 with 8-inch diameter hollow stem augers | LOGGED BY: BL

DEPTH TO GROUND WATER: 19.6 Feet | SURFACE ELEVATION: 48.3 Feet | DATE DRILLED: 11/6/95

CLASSIFICATION AND DESCRIPTION	SOIL TYPE	DEPTH (FEET)	SAMPLE INTERVAL	SPT RESISTANCE (Blows/ft)	TIME	HNu Readings (ppm)	ODOR
Asphaltic concrete/aggregate base surfacing.							
Fill: Dark brown, firm, moist, Silty Clay, medium to high plasticity, wood fragments	CH			6	11:25	1	None
Brown, stiff, moist, Silty Clay, low to medium plasticity, trace fine sand.	CL	5		10	11:35	0	None
No sand.		10		9	11:40	5	None
		15		21	11:50	0	None
Brown with red-brown mottling, Sandy Clay, firm to stiff, wet to saturated.	CL	20		5	12:00	0	None
Becomes sandy at approximately 24 feet.							
● Percent retained on No. 200 sieve = 31 percent.		25	●	12	12:10	0	None
Bottom of boring at 27.0 feet.							
Note: Monitoring well constructed in boring following drilling.		30					

MONITORING WELL LOG MW-AP2
AIRPORT PLAZA PROPERTY
HAYWARD, CALIFORNIA

MW-AP2
DECEMBER, 1995

DRILL TYPE: CME 75 with 8-inch diameter hollow stem augers | LOGGED BY: BL

DEPTH TO GROUND WATER: 23.0 Feet | SURFACE ELEVATION: 51.2 Feet | DATE DRILLED: 11/9/95

CLASSIFICATION AND DESCRIPTION	SOIL TYPE	DEPTH (FEET)	SAMPLE INTERVAL	SPT RESISTANCE (Blows/ft)	TIME	HNu Readings (ppm)	ODOR
Fill: Dark brown, firm, moist, Silty Clay, with organics and gravel to 1/4-inch.	CH			10	7:05	0	None
Dark brown, firm, moist, Silty Clay, medium to high plasticity.	CH	5		20	7:15	0	None
Brown, stiff, moist, Silty Clay, medium plasticity, very moist, trace very fine sand.	CL	10		15	7:20	0	None
				27	7:25	0	None
Brown with red-brown mottling, firm to stiff, Sandy Clay, very moist to saturated.	CL	15					
		20	■	10	7:35	0	None
■ Percent retained on No. 200 sieve = 26 percent.							
		25		5	7:45	0	None
● Percent retained on No. 200 sieve = 30 percent.							
Note: Monitoring well constructed in boring following drilling.		30	●	5	7:55	0	None
Bottom of boring at 30.0 feet.							

MONITORING WELL LOG MW-AP3
AIRPORT PLAZA PROPERTY
HAYWARD, CALIFORNIA

MW-AP3
DECEMBER, 1995

VAN BRUNT ASSOCIATES

DRILL TYPE: CME 75 with 8-inch diameter hollow stem augers | LOGGED BY: BL

DEPTH TO GROUND WATER: 20.0 Feet | SURFACE ELEVATION: 47.0 Feet | DATE DRILLED: 11/9/95

CLASSIFICATION AND DESCRIPTION	SOIL TYPE	DEPTH (FEET)	SAMPLE INTERVAL	SPT RESISTANCE (Blows/ft)	TIME	HNu Readings (ppm)	ODOR
Dark brown, stiff, slightly moist, Silty Clay, medium to high plasticity, organics.	CH			11	8:45	0	None
Dark brown, stiff to very stiff, Silty Clay, slightly moist, medium plasticity.	CL	5		17	8:50	0	None
				18	9:00	0	None
		10					
Brown with red-brown mottling, soft to stiff, Silty Clay, trace very fine grain sand.	CL						
		15		15	9:10	0	None
● Percent retained on No. 200 sieve = 12 percent.			●	4	9:20	0	None
Becomes saturated.		20					
		25		13	9:30	0	None
Bottom of boring at 28.0 feet.							
Note: Monitoring well constructed in boring following drilling.		30					

MONITORING WELL LOG MW-AP4
AIRPORT PLAZA PROPERTY
HAYWARD, CALIFORNIA

MW-AP4
DECEMBER, 1995

VAN BRUNT ASSOCIATES

DRILL TYPE: Precision Pneumatic, 2.38-inch diameter drilling/sampling system LOGGED BY: GR

DEPTH TO GROUND WATER: 19.8 Feet SURFACE ELEVATION: NA DATE DRILLED: 10/16/95

CLASSIFICATION AND DESCRIPTION	SOIL TYPE	DEPTH (FEET)	SAMPLE INTERVAL	SPT RESISTANCE (Blows/ft)		HNu Readings (ppm)	ODOR
4-inch slab over 4-inches of greenish brown Sandy Gravel (base material).							
Dark brown, Silty Clay, medium to high plasticity.	CH					0	None
Medium brown, Silty Clay with sand, low to medium plasticity.	CL	5				1	None
						0	None
		10					
Becomes Silty Clay with Sand at 13 feet.						0	None
						0	None
		15					
						0	None
5-inch Clayey Sand lense from 19.0 to 19.4 feet.		20					
						0	None
		25				0	None
Bottom of boring at 25.0 feet.							
Note: Drilled to 25 feet obtaining a 1.5-inch diameter continuous sample for the full depth, discrete samples collected for further testing at intervals shown. No ground water in hole at end of day, ground water at 19.8 feet on 10/17/95 at 3:30 p.m.		30					

EXPLORATORY BORING LOG SB-1
AIRPORT PLAZA PROPERTY
HAYWARD, CALIFORNIA

BORING SB-1
DECEMBER, 1995

DRILL TYPE: Precision Pneumatic, 2.38-inch diameter drilling/sampling system LOGGED BY: GR

DEPTH TO GROUND WATER: 20.1 Feet SURFACE ELEVATION: NA DATE DRILLED: 10/16/95

CLASSIFICATION AND DESCRIPTION	SOIL TYPE	DEPTH (FEET)	SAMPLE INTERVAL	SPT RESISTANCE (Blows/ft)		HNu Readings (ppm)	ODOR
4-inch slab over 6-inches of greenish brown Sandy Gravel (base material).							
Dark brown, Silty Clay, medium to high plasticity.	CH					0	None
Medium brown, Silty Clay with sand, dark brown mottling.	CL	5				18	None
Medium brown, Silty Clay with sand, low to medium plasticity, very fine grain sand.	CL					6	None
		10					
No sand between 10 and 13 feet.						8	None
						5	None
		15					
Light brown, Silty Clay, low plasticity.	CL					1	None
4-inch Clayey Sand layer from 18.6 to 19.0 feet.		20					
		25					
Bottom of boring at 25.0 feet.							
Note: Drilled to 25 feet obtaining a 1.5-inch diameter continuous sample for the full depth, discrete samples collected for further testing at intervals shown. Pushed 1-inch diameter rod to 28.5 feet to attempt to produce ground water. No ground water in hole at end of day, ground water at 20.1 feet on 10/17/95 at 3:35 p.m.		30					

EXPLORATORY BORING LOG SB-2
AIRPORT PLAZA PROPERTY
HAYWARD, CALIFORNIA

BORING SB-2
DECEMBER, 1995

DRILL TYPE: Precision Pneumatic, 2.38-inch diameter drilling/sampling system LOGGED BY: GR

DEPTH TO GROUND WATER: 19.7 Feet SURFACE ELEVATION: NA DATE DRILLED: 10/16/95

CLASSIFICATION AND DESCRIPTION	SOIL TYPE	DEPTH (FEET)	SAMPLE INTERVAL	SPT RESISTANCE (Blows/ft)	WATER CONTENT (%)	HNu Readings (ppm)	ODOR
3.5-inch slab over 20.5-inches of greenish brown Sandy Gravel (base material).							
Dark brown, Silty Clay, medium to high plasticity.	CH					0	None
						0	None
Light brown, Silty Clay with sand, low to medium plasticity.	CL	5					
3-inch Clayey Sand lense from 7.2 to 7.4 feet.						0	None
		10					
						0	None
Grades to medium brown at 13 feet.							
						0	None
		15					
						0	None
		20					
						0	None
						0	None
		25					
Bottom of boring at 25.0 feet.							
Note: Drilled to 25 feet obtaining a 1.5-inch diameter continuous sample for the full depth, discrete samples collected for further testing at intervals shown. No ground water in hole at end of day, ground water at 19.7 feet on 10/17/95 at 3:40 p.m.		30					

EXPLORATORY BORING LOG SB-3
AIRPORT PLAZA PROPERTY
HAYWARD, CALIFORNIA

BORING SB-3
DECEMBER, 1995

DRILL TYPE: CME 75 with 8-inch diameter hollow stem augers | LOGGED BY: GR

DEPTH TO GROUND WATER: Not Encountered | SURFACE ELEVATION: NA | DATE DRILLED: 11/27/95

CLASSIFICATION AND DESCRIPTION	SOIL TYPE	DEPTH (FEET)	SAMPLE INTERVAL	SPT RESISTANCE (Blows/ft)	TIME	HNu Readings (ppm)	ODOR
Dark brown, stiff, moist, Silty Clay, medium to high plasticity.	CH			14	8:35	0	None
Brown, stiff, moist, Silty Clay, low to medium plasticity.	CL	5	●	11	8:42	0	None
Brown, stiff, moist, Sandy Clay, very fine grain sand, low plasticity fines.	CL			11	8:50	0	None
●Percent retained on No. 200 sieve = 33 percent.		10		7	8:55	0	None
Brown, firm to very stiff, Silty Clay with sand, very fine grain sand.	CL						
		15		17	9:00	0	None
10-inch sand lens beginning at 18 feet.				5	9:07	0	None
Bottom of boring at 19.0 feet.		20					
		25					
		30					

EXPLORATORY BORING LOG SB-4
AIRPORT PLAZA PROPERTY
HAYWARD, CALIFORNIA

SB-4
DECEMBER, 1995

DRILL TYPE: CME 75 with 8-inch diameter hollow stem augers | LOGGED BY: GR

DEPTH TO GROUND WATER: Not Encountered | SURFACE ELEVATION: NA | DATE DRILLED: 11/27/95

CLASSIFICATION AND DESCRIPTION	SOIL TYPE	DEPTH (FEET)	SAMPLE INTERVAL	SPT RESISTANCE (Blows/ft)	TIME	HNu Readings (ppm)	ODOR
Fill: Dark brown, firm, moist, Silty Clay, medium to high plasticity.	CH			13	9:25	0	None
				10	9:30	0	None
Brown Sandy Clay/Clayey Sand, very fine sand.	SC	5					
Brown, stiff, Sandy Clay, very fine grain sand, low plasticity fines.	CL			10	9:53	0	None
		10		12	9:35	0	None
Brown, very stiff, moist, Silty Clay, medium plasticity.	CL						
		15		18	9:40	0	None
Brown, firm, moist, Sandy Clay, very fine sand, low plasticity.	CL			7	9:48	0	None
Bottom of boring at 19.0 feet.		20					
		25					
		30					

EXPLORATORY BORING LOG SB-5
AIRPORT PLAZA PROPERTY
HAYWARD, CALIFORNIA

SB-5
DECEMBER, 1995

DRILL TYPE: CME 75 with 8-inch diameter hollow stem augers LOGGED BY: GR

DEPTH TO GROUND WATER: Not Encountered SURFACE ELEVATION: NA DATE DRILLED: 11/27/95

CLASSIFICATION AND DESCRIPTION	SOIL TYPE	DEPTH (FEET)	SAMPLE INTERVAL	SPT RESISTANCE (Blows/ft)	TIME	HNu Readings (ppm)	ODOR
Fill: Black to dark brown, medium to high plasticity, Silty Clay, stiff, deleterious material.	CH			8	10:15	0	None
Dark brown, firm, moist, Silty Clay, medium to high plasticity.	CH	5		6	10:20	0	None
Brown, firm, Sandy Clay, low to medium plasticity.	CL						
●Percent retained on No. 200 sieve = 36 percent. Medium brown, firm, Silty Clay, low to medium plasticity, trace very fine sand.	CL			7	10:25	0	None
		10		10	10:30	0	None
		15		16	10:38	0	None
Brown, firm, very moist, Sandy Clay, very fine sand.	CL			5	10:44	0	None
Bottom of boring at 19.0 feet.		20					
		25					
		30					

EXPLORATORY BORING LOG SB-6 **SB-6**

AIRPORT PLAZA PROPERTY DECEMBER, 1995

HAYWARD, CALIFORNIA

DRILL TYPE: CME 75 with 8-inch diameter hollow stem augers LOGGED BY: GR

DEPTH TO GROUND WATER: Not Encountered SURFACE ELEVATION: NA DATE DRILLED: 11/27/95

CLASSIFICATION AND DESCRIPTION	SOIL TYPE	DEPTH (FEET)	SAMPLE INTERVAL	SPT RESISTANCE (Blows/ft)	TIME	HNu Readings (ppm)	ODOR
Fill: Brown and dark brown, medium to high plasticity, Silty Clay.	CH			11	11:05	0	None
Brown, moist, stiff, Silty Clay with sand.	CL	5		9	11:10	0	None
				11	11:15	0	None
Medium brown, stiff, moist, Silty Clay with sand, low to medium plasticity.	CL	10		13	11:20	0	None
		15		18	11:28	0	None
Brown, firm, very moist, Silty Sand, very fine sand, medium plasticity.	SC			6	11:35	0	None
Bottom of boring at 19.0 feet.		20					
		25					
		30					

EXPLORATORY BORING LOG SB-7
AIRPORT PLAZA PROPERTY
HAYWARD, CALIFORNIA

SB-7
DECEMBER, 1995

DRILL TYPE: CME 75 with 8-inch diameter hollow stem augers LOGGED BY: GR

DEPTH TO GROUND WATER: Not Encountered SURFACE ELEVATION: NA DATE DRILLED: 11/27/95

CLASSIFICATION AND DESCRIPTION	SOIL TYPE	DEPTH (FEET)	SAMPLE INTERVAL	SPT RESISTANCE (Blows/ft)	TIME	HNu Readings (ppm)	ODOR
Fill: Dark brown, very stiff, moist, Silty Clay, medium to high plasiticity,	CH			18	11:55	0	None
Brown, stiff, slightly moist, Sandy Clay, low plasticity fines.	CL	5		12	12:35	0	None
				16	12:40	0	None
Medium brown, stiff, moist, Silty Clay, low to medium plasticity, trace fine sand.	CL	10		16	12:45	0	None
		15		20	12:50	0	None
●Percent retained on No. 200 sieve = 16 percent.							
Becomes sandy, and very moist.				7	12:58	0	None
Bottom of boring at 19.0 feet.		20					
		25					
		30					

EXPLORATORY BORING LOG SB-8
AIRPORT PLAZA PROPERTY
HAYWARD, CALIFORNIA

SB-8
DECEMBER, 1995

DRILL TYPE: TEG's Strataprobe System | LOGGED BY: GR

DEPTH TO GROUND WATER: Not Available | SURFACE ELEVATION: NA | DATE DRILLED: 10/13/95

CLASSIFICATION AND DESCRIPTION	SOIL TYPE	DEPTH (FEET)	SAMPLE INTERVAL	SPT RESISTANCE (Blows/ft)	TIME	HNu Readings (ppm)	ODOR
Dark brown, stiff, moist, Silty Clay, medium to high plasiticity.	CH				4:35	0	None
Brown, stiff, moist, Silty Clay, low plasticity fines.	CL	5			4:40	0	None
Bottom of boring at 5.0 feet. Note: Obtained soil samples using TEG's Strataprobe system. Following sampling, pushed probe to 25 feet to obtain ground water sample.		10 15 20 25 30					

EXPLORATORY BORING LOG HP-5
AIRPORT PLAZA PROPERTY
HAYWARD, CALIFORNIA

HP-5
DECEMBER, 1995

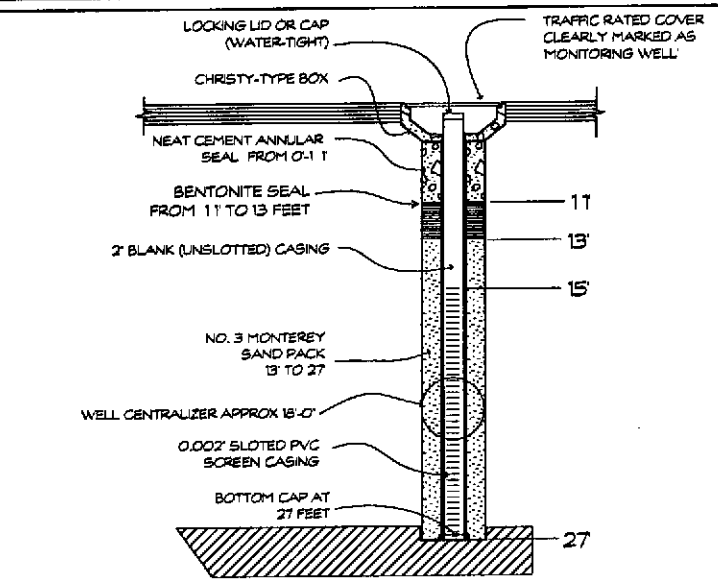
DRILL TYPE: TEG's Strataprobe System | LOGGED BY: GR

DEPTH TO GROUND WATER: Not Available | SURFACE ELEVATION: NA | DATE DRILLED: 10/13/95

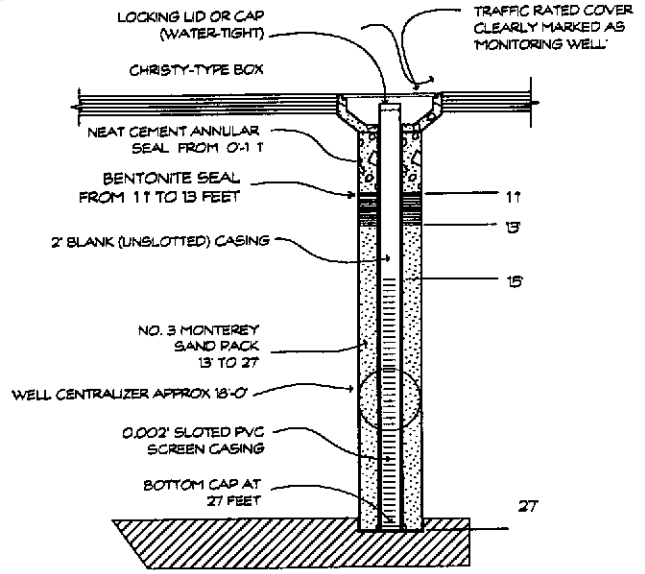
CLASSIFICATION AND DESCRIPTION	SOIL TYPE	DEPTH (FEET)	SAMPLE INTERVAL	SPT RESISTANCE (Blows/ft)	TIME	HNu Readings (ppm)	ODOR
Dark brown, stiff, moist, Silty Clay, medium to high plasiticity.	CH				1:30	0	None
Brown, stiff, moist, Silty Clay, medium plasticity fines.	CL	5			1:30	0	None
Bottom of boring at 5.0 feet. Note: Obtained soil samples using TEG's Strataprobe system. Following sampling, pushed probe to 25 feet to obtain ground water sample.		10 15 20 25 30					

EXPLORATORY BORING LOG HP-7
AIRPORT PLAZA PROPERTY
HAYWARD, CALIFORNIA

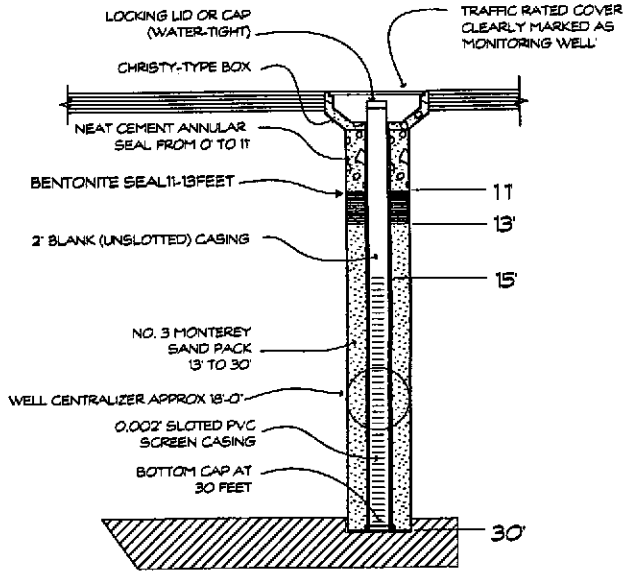
HP-7
DECEMBER, 1995



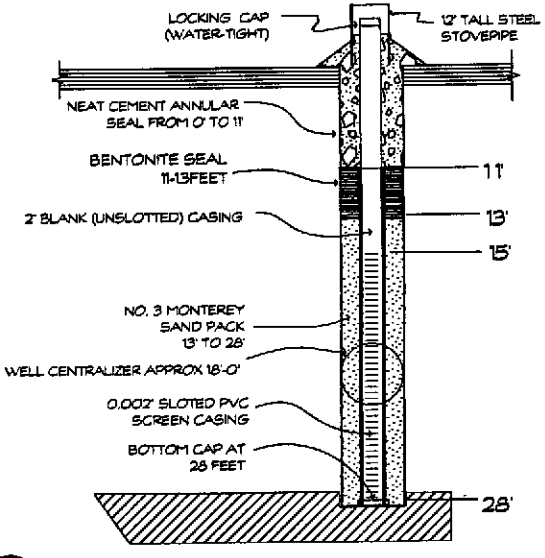
1 AS-BUILT DETAIL-MONITORING WELL MW-AP1
N.T.S.



2 AS-BUILT DETAIL-MONITORING WELL MW-AP2
N.T.S.



3 AS-BUILT DETAIL-MONITORING WELL MW-AP3
9 N.T.S.



4 AS-BUILT DETAIL-MONITORING WELL MW AP-4
9 N.T.S.

OWNER: ADOLPH P. SCHUMAN MARITAL TRUST
JIM CRAFTS ESQ. CO-TRUSTEE

AIRPORT PLAZA SHOPPING CENTER
23598 HESPERIAN BLVD. HAYWARD CA.

AIRPORT PLAZA MONITORING WELL AS-BUILTS

VAN BRUNT ASSOCIATES
685.5900

A-2

WELL DEVELOPMENT
AND SAMPLING RECORDS

WELL DEVELOPMENT/SAMPLING RECORD

Project Name: AIRPORT PLAZA Project Number: _____

Project Location: HAYWARD

Date: 11/11/95 Field Personnel: B. LEBOVITZ

Well Number: AP-1 Well Location: E. OF CLEANERS

Casing Diameter: 2" Casing Depth: 25.0

Initial Depth to Ground Water: 19.82 BTOC Depth of Submerged Casing: 6

Submerged Well Casing Volume: ≈ 1.0 gallon

T.O.C. = 12" below ground surface TOC = Top of casing

Number of Well Volumes	pH	Conductivity umhos/cm^3	Temperature (degrees F)	Depth to Ground Water (Feet) (BTOC)	Time
0				19.82	12:20
10				19.89	1300

Purging Method: Bailer

Sampling Method: _____

Comments: No floating product, mod turbid

Turbid to very turbid during development

Useful Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon 0.00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name: AIRPORT PLAZA Project Number: _____

Project Location: HAYWARD

Date: 10/11/95 Field Personnel: B. LEBOVITZ

Well Number: AP-2 Well Location: N. OF CLEANERS

Casing Diameter: 2" Casing Depth: 26.6

Initial Depth to Ground Water: 18.95 Depth of Submerged Casing: 7.65

Submerged Well Casing Volume: 1.2 gallons

Number of Well Volumes	pH	Conductivity umhos/cm^3	Temperature (degrees F)	Depth to Ground Water (Feet)	Time
0				18.95	1320
.5				19.00	1340
				18.96	1341
8				19.00	1353
				18.96	1355
16				19.00	1405
				18.96	1408

Purging Method: Bailer

Sampling Method: _____

Comments: No floating product

Very Turbid entire bail process. Could not draw down well with bailer

Useful Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon 0.00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name: AIRPORT PLAZA Project Number: _____

Project Location: HAYWARD

Date: 11/11/95 Field Personnel: B. LEBOWITZ

Well Number: AP-3 Well Location: N.W. OF SOURCE (ACROSS STREET)

Casing Diameter: 2" Casing Depth: 30.25

Initial Depth to Ground Water: 23.0 T.O.C Depth of Submerged Casing: ~~30.25~~ 7.25

Submerged Well Casing Volume: 1.2 gallon

TOP OF CASING

Number of Well Volumes	pH	Conductivity umhos/cm^3	Temperature (degrees F)	Depth to Ground Water (Feet)	Time
				23.00	9:10
10				23.14	10:35

Purging Method: BAILER, ~~Pump~~

Sampling Method: _____

Comments: No floating product. Very turbid first 7-8 gallons, then became turbid. Good recharge with bailer, very clayey/silty.

Useful Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon 0.00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name: AIRPORT PLAZA Project Number: _____

Project Location: HAYWARD

Date: 11/11/95 Field Personnel: B. LEBOWITZ

Well Number: AP-4 Well Location: W. OF SOURCE (Across Street)

Casing Diameter: 2" Casing Depth: 27.2 silt/clay @ bottom of well

Initial Depth to Ground Water: 19.56 BTOC Depth of Submerged Casing: 7.6

Submerged Well Casing Volume: 1.3

CASING ±12" Above ground surface

Number of Well Volumes	pH	Conductivity umhos/cm^3	Temperature (degrees F)	Depth to Ground Water (Feet)	Time
0					11:00
10 ±				19.70	11:45

Purging Method: BAILER

Sampling Method: _____

Comments: No floating product moderately turbid

During bail - very turbid to turbid, would not clean up

Useful Conversions:

7.447 gallons/cubic foot 3.5 liters/gallon 0.00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name Airport Plaza Project Number: _____

Project Location: ~~11/14/95~~ Hayward, CA

Date: 11/14/95 Field Personnel: GR

Well Number: MW - AP1 Well Location: on-site

Casing Diameter: 2" Casing Depth: 26.50

Depth to Ground Water: 20.49 Water Column Length: 6.01

Submerged Well Casing Volume: 6.01 x .163 = 1 gallon

Time	Gallons	pH	Conductivity (umhos/cm3)	Temperature (Degrees F)	Turbidity (NTU)	Color/Odor
12:04	1	7.1	.10	67.6		None
12:10	2	7.2	.10	71.3		↓
12:15	3	6.9	.11	72.7		↓
12:28	4	7.1	.11	70.2		↓
12:35	Sampled					

Purging Method: disposable Bailer

Sampling Method: " "

Comments: _____

Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon .00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name Airport Plaza Project Number: _____

Project Location: Hayward, CA

Date: 11/14/95 Field Personnel: GR

Well Number: MW-AP-2 Well Location: on-site

Casing Diameter: 2" Casing Depth: 27.3'

Depth to Ground Water: 19.69' Water Column Length: 7.61

Submerged Well Casing Volume: 7.61 x .16 = 1.22 gallons

Time	Gallons	pH	Conductivity (umhos/cm3)	Temperature (Degrees F)	Turbidity (NTU)	Color/Odor
11:18	1.25	7.7	.09	69.1		None
11:24	2.50	6.9	.11	69.9		↓
11:27	3.75	6.4	.11	70.3		
11:30	5.0	6.4	.11	71.2		
11:35	Sampled					

Purging Method: Disposable Bailer

Sampling Method: " "

Comments: _____

Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon .00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name Airport Plaza Project Number: _____

Project Location: Hayward, CA

Date: 4/14/95 Field Personnel: GR

Well Number: MW - AP3 Well Location: off s.t Airport Property

Casing Diameter: 2" Casing Depth: 30.3

Depth to Ground Water: ~~7.01~~ 23.29 Water Column Length: 7.01

Submerged Well Casing Volume: 7.01 x .16 = 1.12 gallons

Time	Gallons	pH	Conductivity (umhos/cm3)	Temperature (Degrees F)	Turbidity (NTU)	Color/Odor
1:30	1.25	7.5	.10	74.1		None
134	2.50	7.1	.10	72.5		↓
143	3.75	6.9	.10	72.8		
147	5.0	6.9	.10	72.5		
151	Sample					

Purging Method: Disposable Bailer

Sampling Method: " "

Comments: _____

Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon .00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name Airport Plaza Project Number: _____

Project Location: Hayward, CA

Date: 11/14/95 Field Personnel: GR

Well Number: MW-AP4 Well Location: off site Airport Property

Casing Diameter: 2" Casing Depth: 27.60'

Depth to Ground Water: 19.85 Water Column Length: 7.75

Submerged Well Casing Volume: 7.75 X .16 = 1.24 gallons

Time	Gallons	pH	Conductivity (umhos/cm3)	Temperature (Degrees F)	Turbidity (NTU)	Color/Odor
2:13	1.25	7.2	.10	71.4		None
2:17	2.50	6.8	.10	71.5		↓
2:22	3.75	6.8	.10	71.9		
2:26	5.00	6.7	.10	72.0		
2:30	Sample					

Purging Method: Disposable Bailer

Sampling Method: " "

Comments: _____

Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon .00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name: Airport Plaza Project Number: _____

Project Location: Hayward, CA

Date: 11/14/95 Field Personnel: GR

Well Number: MW-3C Well Location: Exxon Station

Casing Diameter: 2" Casing Depth: 25'

Depth to Ground Water: 19.33 Water Column Length: 5.67

Submerged Well Casing Volume: 5.67 x .16 = .92

Time	Gallons	pH	Conductivity (umhos/cm3)	Temperature (Degrees F)	Turbidity (NTU)	Color/Odor
10:00	1	7.1	.10	68.4	>200	steam/odor
10:02	2	7.0	.10	68.2	>200	↓
10:04	3	7.0	.10	68.2	>200	↓
10:06	Sample					

Purging Method: Disposable Bailer

Sampling Method: " "

Comments: Sampled with Blaine Tech

Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon .00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name Airport Plaza Project Number: _____

Project Location: Hayward CA

Date: 11/14/95 Field Personnel: AR

Well Number: MW-3F Well Location: off s.th Airport Property

Casing Diameter: 4" Casing Depth: 26.4

Depth to Ground Water: 19.72 Water Column Length: 7.78

Submerged Well Casing Volume: 7.78 x .65 5.06 gallons

Time	Gallons	pH	Conductivity (umhos/cm3)	Temperature (Degrees F)	Turbidity (NTU)	Color/Odor
9:35	5	7.0	.78	67.2	8.0	None
9:36	10	7.1	.92	62.2	7.7	↓
9:37	15	7.0	.91	67.0	5.3	↓
9:40	Sampled					

Purging Method: Submersible Pump

Sampling Method: Disposable Bailer

Comments: Sampled with Blaine Tech

Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon .00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name Airport Plaza Project Number: _____

Project Location: Hayward, CA

Date: 11/14/95 Field Personnel: GR

Well Number: MW-3G Well Location: off s.th Airport Property

Casing Diameter: 4" Casing Depth: 28.5

Depth to Ground Water: 20.29 Water Column Length: 6.89

Submerged Well Casing Volume: 6.89 x .65 = 4.5 gallons

Time	Gallons	pH	Conductivity (umhos/cm3)	Temperature (Degrees F)	Turbidity (NTU)	Color/Odor
9:17	5	6.9	~~67.8~~ .94	67.8	28.2	None
9:18	10	6.8	~~67.6~~ .98	67.6	25.0	↓
9:19	15	6.8	~~67.0~~ .98	67.0	14.7	
9:23	Sampled					

Purging Method: Submersible Pump

Sampling Method: Disposable Bailer

Comments: Sampled with Blair Tech

Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon .00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name Airport Pkwy Project Number: _____

Project Location: Hayward, CA

Date: 11/14/95 Field Personnel: GR

Well Number: MW-31 Well Location: onsite

Casing Diameter: 4" Casing Depth: 33.52

Depth to Ground Water: 19.55 Water Column Length: 13.97

Submerged Well Casing Volume: 13.97 x .65 = 9.1 Gallons

Time	Gallons	pH	Conductivity (umhos/cm3)	Temperature (Degrees F)	Turbidity (NTU)	Color/Odor
9:00	10	6.8	.84	66.8	24.1	None
9:01	20	6.8	.84	67.4	122.8	"
9:02	30	6.8	.81		108.7	"
9:04	Sample					

Purging Method: Submersible Pump

Sampling Method: Disposable Bailer

Comments: Sampled with Blaine Tech

Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon .00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name _____ Project Number: _____

Project Location: _____

Date: _____ Field Personnel: _____

Well Number: _____ Well Location: _____

Casing Diameter: _____ Casing Depth: _____

Depth to Ground Water: _____ Water Column Length: _____

Submerged Well Casing Volume: _____

Time	Gallons	pH	Conductivity (umhos/cm3)	Temperature (Degrees F)	Turbidity (NTU)	Color/Odor

Purging Method: _____

Sampling Method: _____

Comments: _____

_____

_____

_____

_____

_____

Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon .00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name _____ Project Number: _____

Project Location: _____

Date: _____ Field Personnel: _____

Well Number: _____ Well Location: _____

Casing Diameter: _____ Casing Depth: _____

Depth to Ground Water: _____ Water Column Length: _____

Submerged Well Casing Volume: _____

Time	Gallons	pH	Conductivity (umhos/cm3)	Temperature (Degrees F)	Turbidity (NTU)	Color/Odor

Purging Method: _____

Sampling Method: _____

Comments: _____

_____

_____

_____

_____

_____

Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon .00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name _____ Project Number: _____

Project Location: _____

Date: _____ Field Personnel: _____

Well Number: _____ Well Location: _____

Casing Diameter: _____ Casing Depth: _____

Depth to Ground Water: _____ Water Column Length: _____

Submerged Well Casing Volume: _____

Time	Gallons	pH	Conductivity (umhos/cm3)	Temperature (Degrees F)	Turbidity (NTU)	Color/Odor

Purging Method: _____

Sampling Method: _____

Comments: _____

_____

_____

_____

_____

_____

Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon .00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name _____ Project Number: _____

Project Location: _____

Date: _____ Field Personnel: _____

Well Number: _____ Well Location: _____

Casing Diameter: _____ Casing Depth: _____

Depth to Ground Water: _____ Water Column Length: _____

Submerged Well Casing Volume: _____

Time	Gallons	pH	Conductivity (umhos/cm3)	Temperature (Degrees F)	Turbidity (NTU)	Color/Odor

Purging Method: _____

Sampling Method: _____

Comments: _____

_____

_____

_____

_____

_____

Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon .00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name _____ Project Number: _____

Project Location: _____

Date: _____ Field Personnel: _____

Well Number: _____ Well Location: _____

Casing Diameter: _____ Casing Depth: _____

Depth to Ground Water: _____ Water Column Length: _____

Submerged Well Casing Volume: _____

Time	Gallons	pH	Conductivity (umhos/cm3)	Temperature (Degrees F)	Turbidity (NTU)	Color/Odor

Purging Method: _____

Sampling Method: _____

Comments: _____

_____

_____

_____

_____

_____

Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon .00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name _____ Project Number: _____

Project Location: _____

Date: _____ Field Personnel: _____

Well Number: _____ Well Location: _____

Casing Diameter: _____ Casing Depth: _____

Depth to Ground Water: _____ Water Column Length: _____

Submerged Well Casing Volume: _____

Time	Gallons	pH	Conductivity (umhos/cm3)	Temperature (Degrees F)	Turbidity (NTU)	Color/Odor

Purging Method: _____

Sampling Method: _____

Comments: _____

_____

_____

_____

_____

_____

Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon .00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name _____ Project Number: _____

Project Location: _____

Date: _____ Field Personnel: _____

Well Number: _____ Well Location: _____

Casing Diameter: _____ Casing Depth: _____

Depth to Ground Water: _____ Water Column Length: _____

Submerged Well Casing Volume: _____

Time	Gallons	pH	Conductivity (umhos/cm3)	Temperature (Degrees F)	Turbidity (NTU)	Color/Odor

Purging Method: _____

Sampling Method: _____

Comments: _____

_____

_____

_____

_____

_____

Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon .00431 gallons/cubic inch

WELL DEVELOPMENT/SAMPLING RECORD

Project Name _____ Project Number: _____

Project Location: _____

Date: _____ Field Personnel: _____

Well Number: _____ Well Location: _____

Casing Diameter: _____ Casing Depth: _____

Depth to Ground Water: _____ Water Column Length: _____

Submerged Well Casing Volume: _____

Time	Gallons	pH	Conductivity (umhos/cm3)	Temperature (Degrees F)	Turbidity (NTU)	Color/Odor

Purging Method: _____

Sampling Method: _____

Comments: _____

_____

_____

_____

_____

_____

Conversions:

7.447 gallons/cubic foot 3.8 liters/gallon .00431 gallons/cubic inch

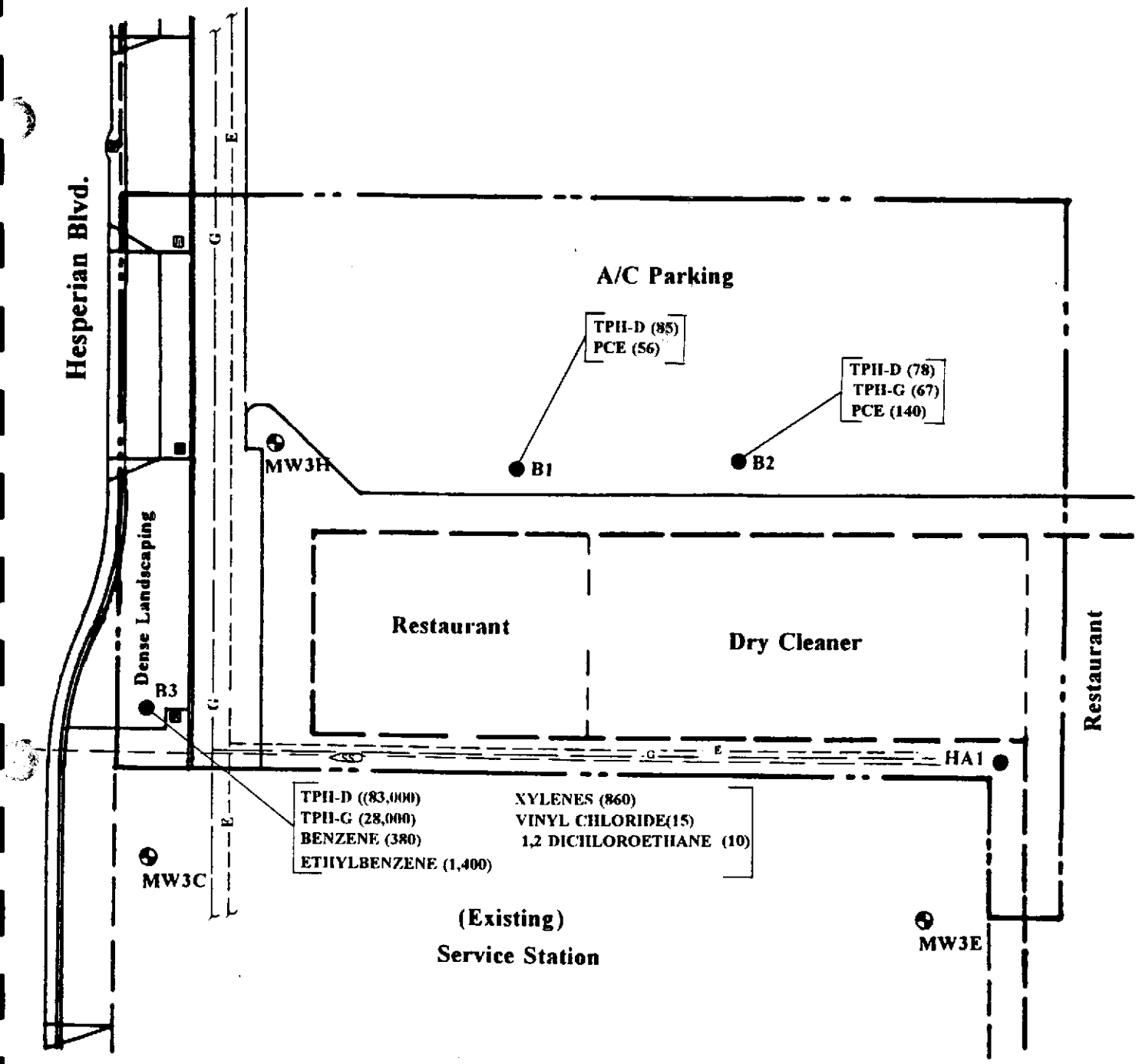
APPENDIX 3

BORING LOGS FROM TEXACO SITE
AIRPORT PLAZA

- KRAZAN & ASSOCIATES
  - SOIL BORING LOCATION MAP
  - DRILL HOLE LOGS B1 - B3 AND HA1
- HARDING LAWSON ASSOCIATES
  - SITE PLAN
  - LOG OF BORINGS B1-B6
- HARDING LAWSON ASSOCIATES
  - LOG OF BORINGS MW 3-A THROUGH 3-G
  - MW RESULTS
- TERRA VAC CORPORATION
  - LOG OF MONITORING WELLS SP-3
  - VW-1 THROUGH VW-8

KRAZAN & ASSOCIATES

SOIL BORING LOCATION MAP
DRILL HOLE LOGS B1 - B3 AND HA1



Legend

- (Existing) Monitoring Wells
- Soil Borings
- D.I.
- G Gas Line
- E Electric Line
- B1 PCE (56) Concentration (in ppb) of noted constituent detected in groundwater sample

North

0 10 20 40

Scale in Feet (±)

SOIL BORING LOCATION MAP

posed Taco Bell
 # 06-1052
esperian Blvd. &
West Winton Way
layward, Ca.

Scale: AS NOTED	Date: 11-94
Drawn by: D.M.W.	Approved by: D.M.
Project No. 34-94-297	Figure No. 2

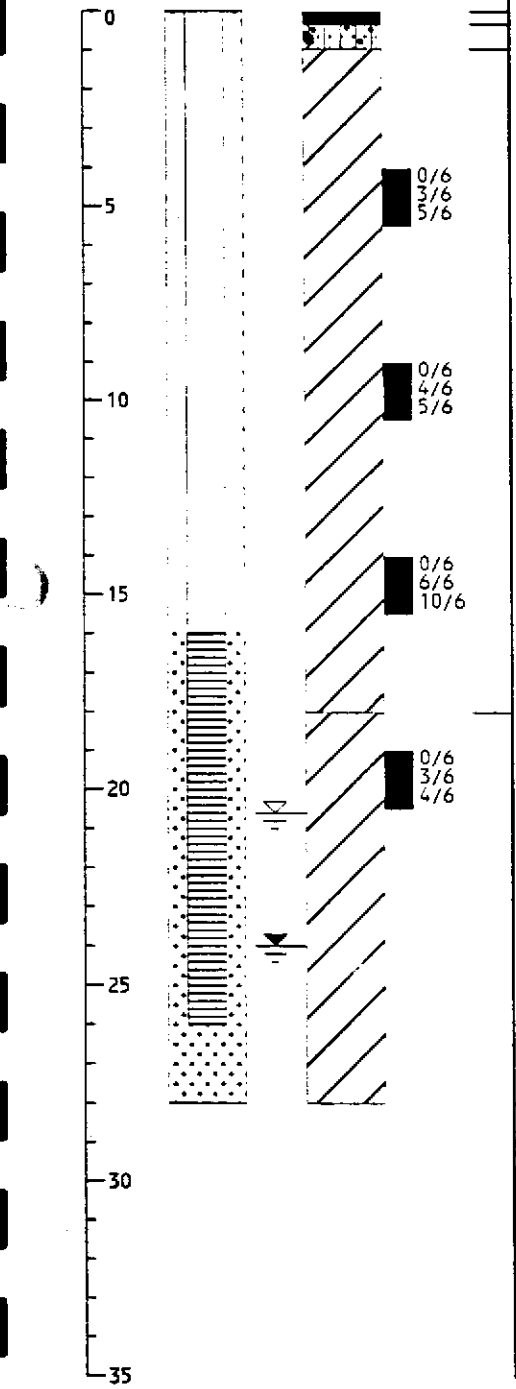
Krazan
ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SPECIALISTS
SACRAMENTO • TURLOCK • FRESNO • BAKERSFIELD

DRILL HOLE LOG

BORING NO.: B1

PROJECT: Proposed Taco Bell #06-1052 - Hayward
CLIENT: Taco Bell Corporation
LOCATION: Hesperian Boulevard and West Winton Avenue
DRILLER: Robert Fredericks
DRILL RIG: CME-55 Hollow Stem
DEPTH TO WATER> INITIAL: 24 feet AT COMPLETION: 20.6 feet

PROJECT NO.: 34-94-319
DATE: 10/28/94
ELEVATION: N/A
LOGGED BY: Dane Mathis



ELEVATION/ DEPTH	WELL DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	Description	PID	Odor	PENETRATION TEST DEPTH	PENETRATION TEST N
			Asphalt				
			Aggregate Base				
			Clay (CH) - dark brown, approximately 10% silt, very plastic, fine grained sand, less than 5%.	0	No	4-5.5	8
			Some reddish - brown mottling.	0	No	9-10.5	9
				0	No	14-15.5	16
			Clay (CH) - brown, some reddish mottling, very plastic, some fragments of calcium carbonate up to 2 millimeters, approximately 5% silt.	0	No	19-20.5	7
			Firm soil.				
			Bottom of Boring				

PENETRATION TEST CURVE: 10 30 50

Boring backfilled with six sack sand cement slurry to near grade and capped with approximately six inches of asphalt patch.

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

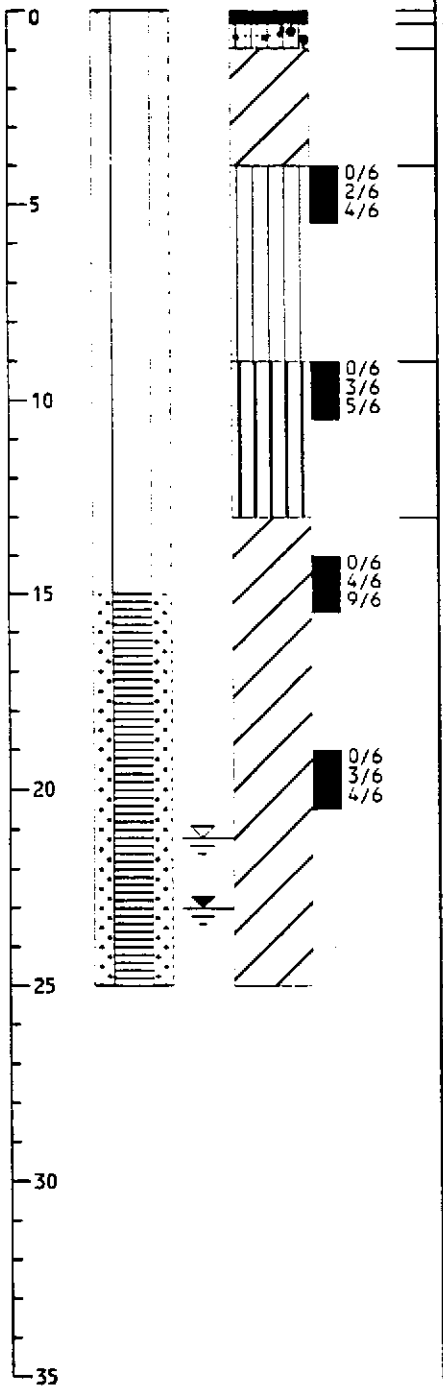
KRAZAN & ASSOCIATES, INC.

DRILL HOLE LOG

BORING NO.: B2

PROJECT: Proposed Taco Bell #06-1052 - Hayward
CLIENT: Taco Bell Corporation
LOCATION: Hesperian Boulevard and West Winton Avenue
DRILLER: Robert Fredericks
DRILL RIG: CME-55 Hollow Stem
DEPTH TO WATER> INITIAL: 23 feet AT COMPLETION: 21.2 feet

PROJECT NO.: 34-94-319
DATE: 10/28/94
ELEVATION: N/A
LOGGED BY: Dane Mathis



ELEVATION/ DEPTH	WELL DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	Description	PID	Odor	PENETRATION TEST DEPTH	PENETRATION TEST N
			Asphalt				
			Aggregate Base				
			Clay (CH), brown - dark brown, 10% very fine silts, very plastic, less than 5% fine sands.				
			Sandy Silt (ML) - brown, approximately 15% fine to medium sands, slightly plastic.	0	No	4-5.5	6
			Silty Clay (MH) - brown, approximately 10% silts, very plastic, some calcium carbonate fragments up to 1 millimeter.	0	No	9-10.5	8
			Clay (CH), brown - dark brown, 10% silts, very plastic, some reddish - brown mottling.	0	No	14-15.5	13
			Some fine black (organic) layers up to 0.5 millimeters.	0	No	19-20.5	7
			Firm soil.				
			Bottom of Boring				

PENETRATION TEST CURVE: 10 30 50

Boring backfilled with six sack sand cement slurry to near grade and capped with approximately six inches of asphalt patch.

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

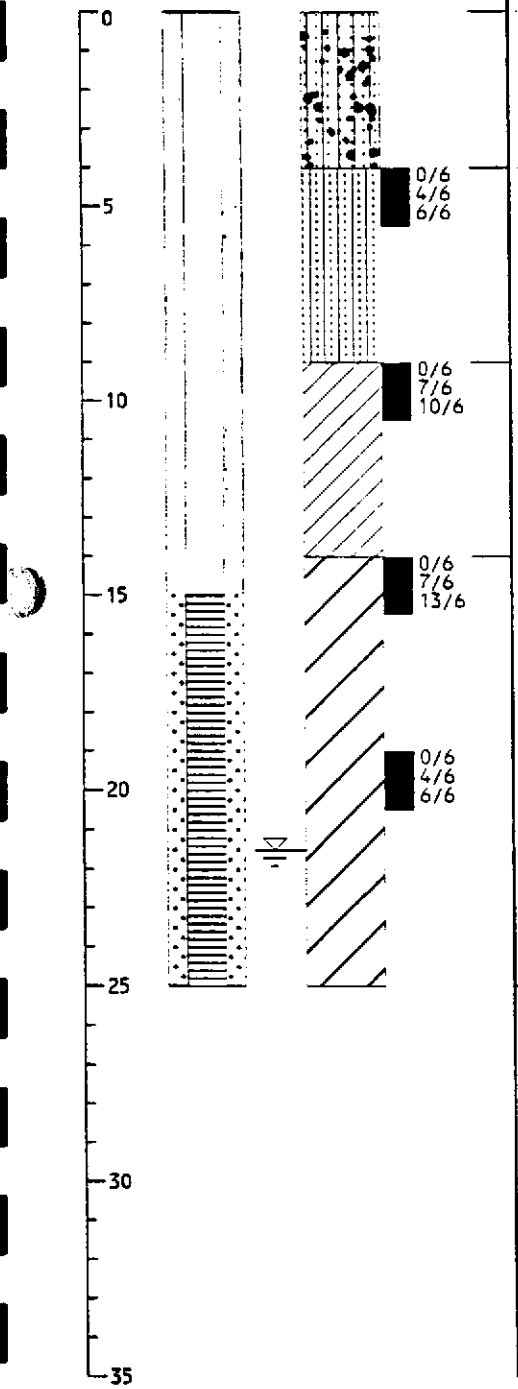
KRAZAN & ASSOCIATES, INC.

DRILL HOLE LOG

BORING NO.: B3

PROJECT: Proposed Taco Bell #06-1052 - Hayward
CLIENT: Taco Bell Corporation
LOCATION: Hesperian Boulevard and West Winton Avenue
DRILLER: Robert Fredericks
DRILL RIG: CME-55 Hollow Stem
DEPTH TO WATER> INITIAL: N/A AT COMPLETION: 21.5 feet

PROJECT NO.: 34-94-319
DATE: 10/28/94
ELEVATION: N/A
LOGGED BY: Dane Mathis



ELEVATION/ DEPTH	WELL DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	Description	PID	Odor	PENETRATION TEST DEPTH	PENETRATION TEST N
			Fill, Silty Sand, brown - dark brown.				
			Silty Sand (SM) - brown, approximately 20% silt, slightly plastic, very fine to fine grained sand.	0	No	4-5.5	10
			Clay/Silty Clay (CL), brown - reddish brown, approximately 10% silts, medium plasticity. Some dark mottling.	0	No	9-10.5	17
			Clay (CH) brown, dark brown - reddish mottling, dark organic lenses, very plastic.	0	No	14-15.5	20
				0	Slight	19-20.5	10
			Bottom of Boring				

PENETRATION TEST CURVE: 10 30 50

Boring backfilled with six sack sand cement slurry to near grade.

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

KRAZAN & ASSOCIATES, INC.

DRILL HOLE LOG

BORING NO.: HA-1

PROJECT: Proposed Taco Bell #06-1052 - Hayward
CLIENT: Taco Bell Corporation
LOCATION: Hesperian Boulevard and West Winton Avenue
DRILLER: Dane Mathis
DRILL RIG: Hand Auger
DEPTH TO WATER> INITIAL: N/A AT COMPLETION: N/A

PROJECT NO.: 34-94-319
DATE: 10/28/94
ELEVATION: N/A
LOGGED BY: Dane Mathis

ELEVATION/ DEPTH	WELL DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	Description	PID	Odor	PENETRATION TEST DEPTH	PENETRATION TEST N	PENETRATION TEST CURVE 10 30 50
0			Fill, Silty Sand, brown - dark brown.					
5			Sandy Silt (ML) - brown, approximately 15% very fine to fine grained sand. Slightly plastic.	0	No			
10			Silty Clay (CL) - brown, approximately 10% silts, medium plasticity.	0	No			
			Bottom of Boring					
15								
20								
25								
30								
35								

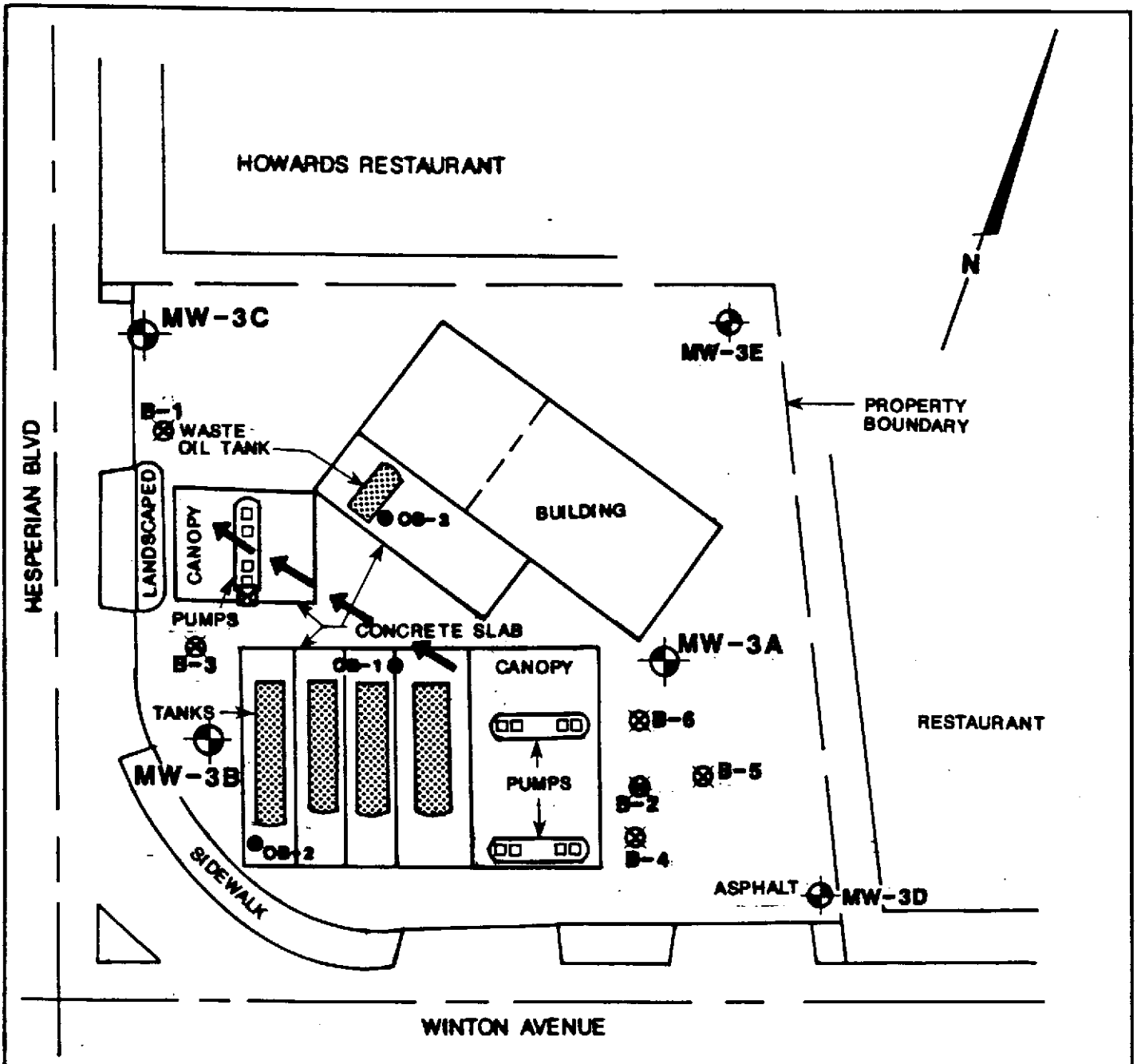
Boring backfilled with six sack sand cement slurry to near grade.

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

KRAZAN & ASSOCIATES, INC.

HARDING LAWSON ASSOCIATES

SITE PLAN
LOG OF BORINGS B1-B6



EXPLANATION

MW-3A — Monitoring Well Location and Number

OB-1 — Observation Well and Number

Ground-water Flow Direction

0 30
Scale in feet

Bench Mark (HLA Datum El. = 100 feet)

B-1 — Boring Location and Number

HLA
Harding Lawson Associates
Engineers and Geoscientists

Site Plan
Former Texaco Service Station
23990 Hesperian Boulevard
Hayward, California

PLATE 4

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
AG	2251,078.03		5/89		

Equipment 8" Hollow Stem Auger

Elevation _____ Date 09/28/88

Blows/foot	Photo-Ionization Detector (ppm)	Well Screen Interval	Depth (ft)	Sample	
			0		Asphalt and baserock
					SANDY SILT (ML), moist, loose
14	ND		5		BROWN LEAN CLAY (CL), moist, stiff
13	ND		10		
23	65		15		Becomes very stiff
					BROWN MOTTLED FAT CLAY (CH), moist, stiff
9	285		20		Bottom of boring at 21 feet
			25		
			30		
			35		
			40		

Harding Lawson Associates
Engineers and Geoscientists

Log of Boring B-1
Former Texaco Station
23990 Hesperian Boulevard
Hayward, California

PLATE 5

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
YC	2251,078.03	VDA	3/89		

Equipment 8" Hollow Stem Auger

Elevation _____ Date 09/28/88

Blows/ foot	Photo-Ionization Detector (ppm)	Well Screen Interval	Depth (ft)	Sample	
			0		Asphalt and baserock
14	ND		5		DARK BROWN LEAN CLAY (CL), dry, stiff
11	ND		10		
25	ND		15		BLUE FAT CLAY (CH), moist, soft
					BLUE SANDY LEAN CLAY (CL), moist, medium stiff
10	50		20		BLUE LEAN CLAY (CL), moist, stiff
					Bottom of boring at 21.5 feet
			25		
			30		
			35		
			40		

Harding Lawson Associates
Engineers and Geoscientists

Log of Boring B-2
Former Texaco Station
23990 Hesperian Boulevard
Hayward, California

PLATE **6**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
YC	2251,078.03	VDA	3/89		

Equipment 8" Hollow Stem Auger

Elevation _____ Date 09/28/88

Blows/ foot	Photo-Ionization Detector (ppm)	Well Screen Interval	Depth (ft)	Sample	
			0		DARK BROWN LEAN CLAY (CL), moist, soft
					YELLOWISH BROWN CLAYEY SAND (SC), moist, loose
13	ND		5		
					DARK BROWN LEAN CLAY (CL), moist, stiff
14	ND		10		
24	300		15		
					Some fine sand at 19.5 feet
7	100		20		Bottom of boring at 21.0 feet
			25		
			30		
			35		
			40		

Harding Lawson Associates
Engineers and Geoscientists

Log of Boring B-3
Former Texaco Station
23990 Hesperian Boulevard
Hayward, California

PLATE **7**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
YC	2251,078.03	VDA	3/89		

Equipment 8" Hollow Stem Auger

Elevation _____ Date 01/20/89

Blows/ foot	Photo-Ionization Detector (ppm)	Well Screen Interval	Depth (ft)	Sample	
			0		Asphalt and baserock
					DARK BROWN FAT CLAY (CH)
18	ND		5		BROWN FAT CLAY WITH SILT (CH), moist, very stiff
14	ND		10		Bottom of boring at 10 feet
			15		
			20		
			25		
			30		
			35		
			40		

Harding Lawson Associates
Engineers and Geoscientists

Log of Boring B-4
Former Texaco Station
23990 Hesperian Boulevard
Hayward, California

PLATE **8**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
YC	2251,078.03	VB	3/89		

Equipment 8" Hollow Stem Auger

Elevation _____ Date 01/20/89

Blows/ foot	Photo-Ionization Detector (ppm)	Well Screen Interval	Depth (ft)	Sample	
			0		Asphalt
					DARK BROWN FAT CLAY (CH), moist, very stiff
					BROWN SILTY LEAN CLAY (CL), moist, very stiff
18	ND		5		
13	ND		10		Bottom of boring at 10 feet
			15		
			20		
			25		
			30		
			35		
			40		

Harding Lawson Associates
Engineers and Geoscientists

Log of Boring B-5
Former Texaco Station
23990 Hesperian Boulevard
Hayward, California

PLATE 9

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
YC	2251,078.03	V S D	3/89		

Equipment 8" Hollow Stem Auger

Elevation _____ Date 01/20/89

Blows/foot	Photo-Ionization Detector (ppm)	Well Screen Interval	Depth (ft)	Sample	
			0		Asphalt Baserock DARK BROWN FAT CLAY (CH), moist, soft
14	ND		5		BROWN LEAN CLAY (CL), moist, stiff
14	ND		10		Bottom of boring at 10 feet
			15		
			20		
			25		
			30		
			35		
			40		

Harding Lawson Associates
Engineers and Geoscientists

Log of Boring B-6
Former Texaco Station
23990 Hesperian Boulevard
Hayward, California

PLATE **10**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
YC	2251,078.03	VSA	3/89		

HARDING LAWSON ASSOCIATES

LOG OF BORINGS MW 3-A THROUGH 3-G
MW RESULTS

Equipment 7-inch Hollow Stem Auger

Elevation ***100 feet Date 6/14/88

ry Tests	Blows/foot**	PID* Reading (ppm)	Depth (ft)	Sample	
			0		asphaltic concrete pavement aggregate baserock BROWN CLAY with sand (CL) medium stiff, moist
	8	—	5		
	8	0	10		
					DARK GRAY CLAY (CL) stiff, moist, slight petroleum odor
	15	350	15		
					DARK GREENISH GRAY CLAY (CL) soft, strong petroleum odor moist to wet
	6	220	20		▽ water level 6/21/88
					MOTTLED GRAY AND BROWN CLAY (CL) stiff, moist, slight petroleum odor
	12	320	25		bottom of boring 25 feet
			30		
			35		
			40		

photo ionization detector,
vac TIP
parts per million

Sampler blow counts converted
T blow counts

ference Elevations
bitrary datum)

APPENDIX B

drilling Lawson Associates
neers Geologists
sophysicists

Log of Boring MW-3A
Texaco Station - 62488000055
23990 Hesperian Boulevard
Hayward, California

PLATE 3

JOB NUMBER APPROVED DATE REVISED DATE

Equipment 7-inch Hollow stem Auger

Elevation ***99.5 feet Date 6/14/88

Tests	Blows/foot **	PID * Reading (ppm)	Depth (ft)	Sample	
			0		asphaltic concrete pavement aggregate baserock
					BROWN CLAY (CL) stiff, moist
	9	0	5		
	9	0	10		
					MOTTLED BROWN AND GRAY CLAY (CL) stiff, moist, slight petroleum odor
	14	20	15		
					becomes wet strong petroleum odor ▽ water level 6/21/88
	8	275	20		
			25		bottom of boring 25 feet
			30		
			35		
			40		

oto ionization detector,
ac TIP
arts per million

mpler blow counts converted
T blow counts

ence Elevation
itrary datum)

ing Lawson Associates
neers, Geologists
physicists

Log of Boring MW-3B
Texaco Station - 62488000055
23990 Hesperian Boulevard
Hayward, California

PLATE 4

JOB NUMBER 2251.049.04 APPROVED DATE 7/88 REVISED DATE

APPENDIX B

APPENDIX C

Equipment 7-inch Hollow Stem Auger

Elevation ***99.7 feet Date 6/15/88

Laboratory Tests	** Blows/foot	* PID Reading (ppm)	Depth (ft)	Sample
			0	
				asphaltic concrete pavement
				aggregate baserock
				DARK BROWN CLAY with gravel (CL) medium stiff, moist
				BROWN CLAY (CL) medium stiff, moist
	8	0	5	
	8	0	10	
	8	0	15	
				GREENISH BROWN CLAY (CL) soft, moist, strong petroleum odor
	5	230	20	
				▽ water level 6/21/88
			25	
				bottom of boring 25 feet
			30	
			35	
			40	

*PID = photo ionization detector, Photovac TIP
ppm = parts per million

**S&H Sampler blow counts converted to SPT blow counts

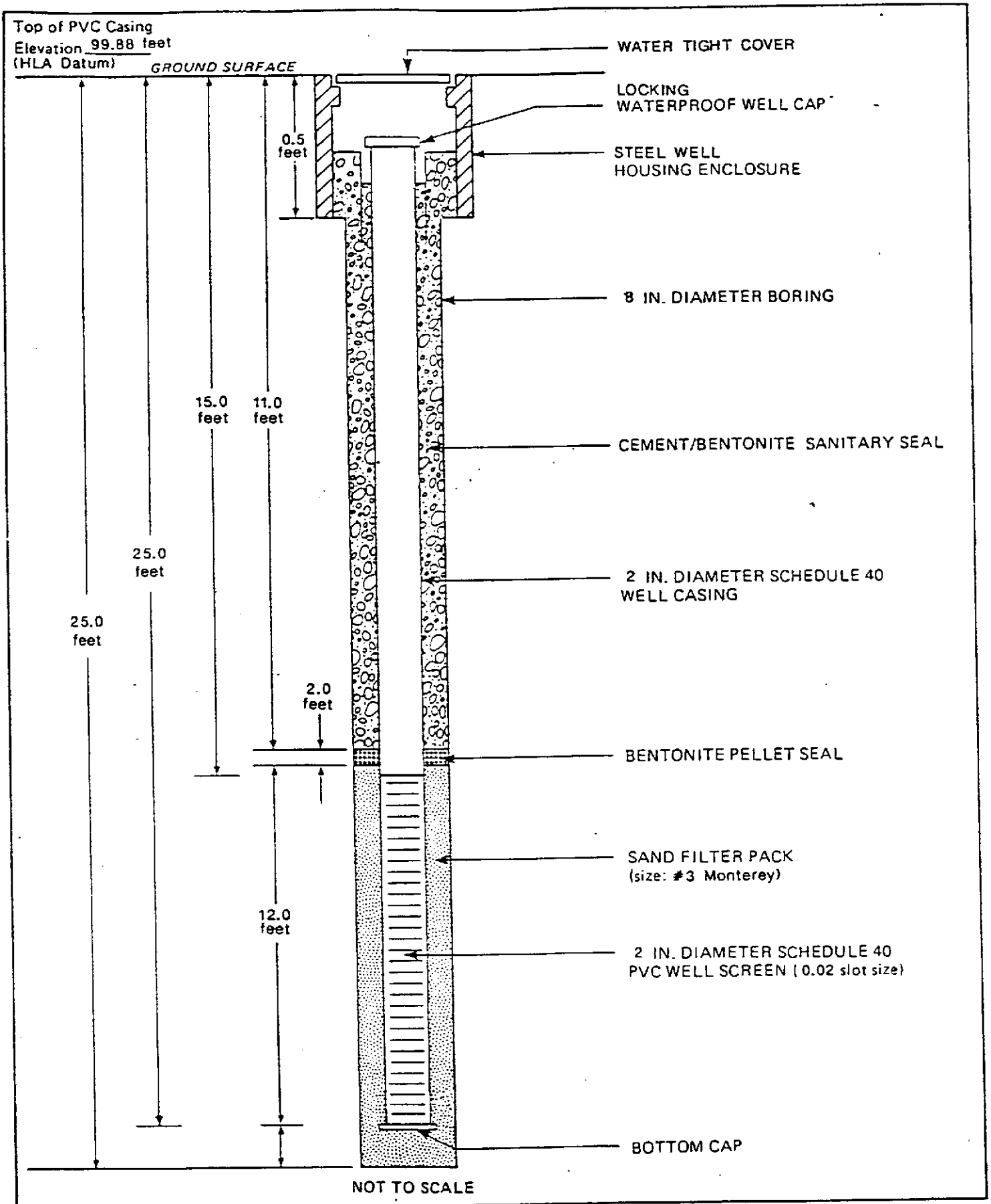
***Reference Elevation (arbitrary datum)

Harding Lawson Associates
Engineers, Geologists & Geophysicists

Log of Boring MW-3C
Texaco Station - 62488000055
23990 Hesperian Boulevard
Hayward, California

PLATE 5

AWN JOB NUMBER APPROVED DATE REVISED DATE



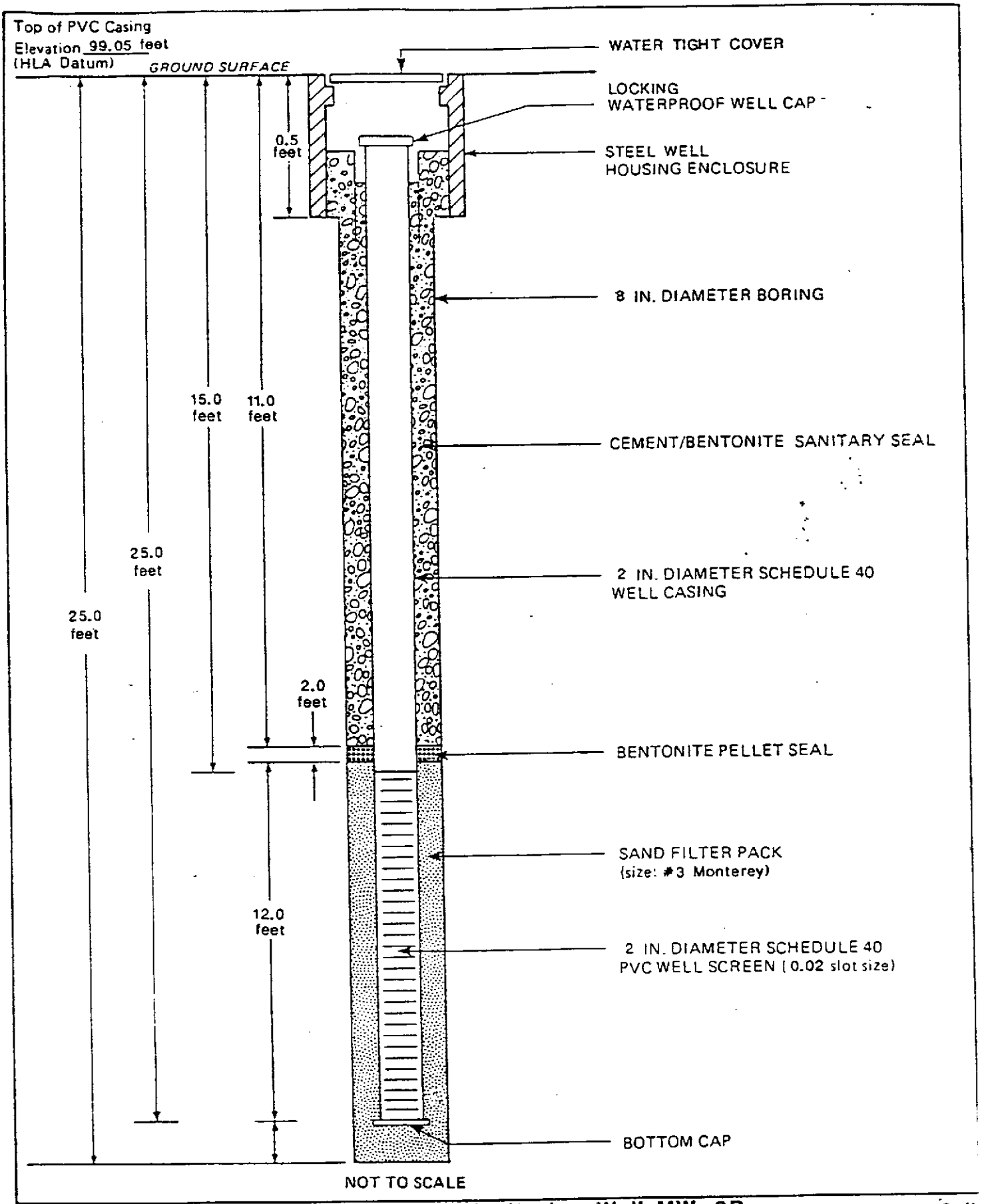
Harding Lawson Associates
Engineers, Geologists
& Geophysicists

Monitoring Well MW-3A Completion Detail

Texaco Station - 62488000055
23990 Hesperian Boulevard
Hayward, California

PLATE
7

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
RS	2251,049.04	[illegible]0	7/88		



Harding Lawson Associates
Engineers, Geologists
& Geophysicists

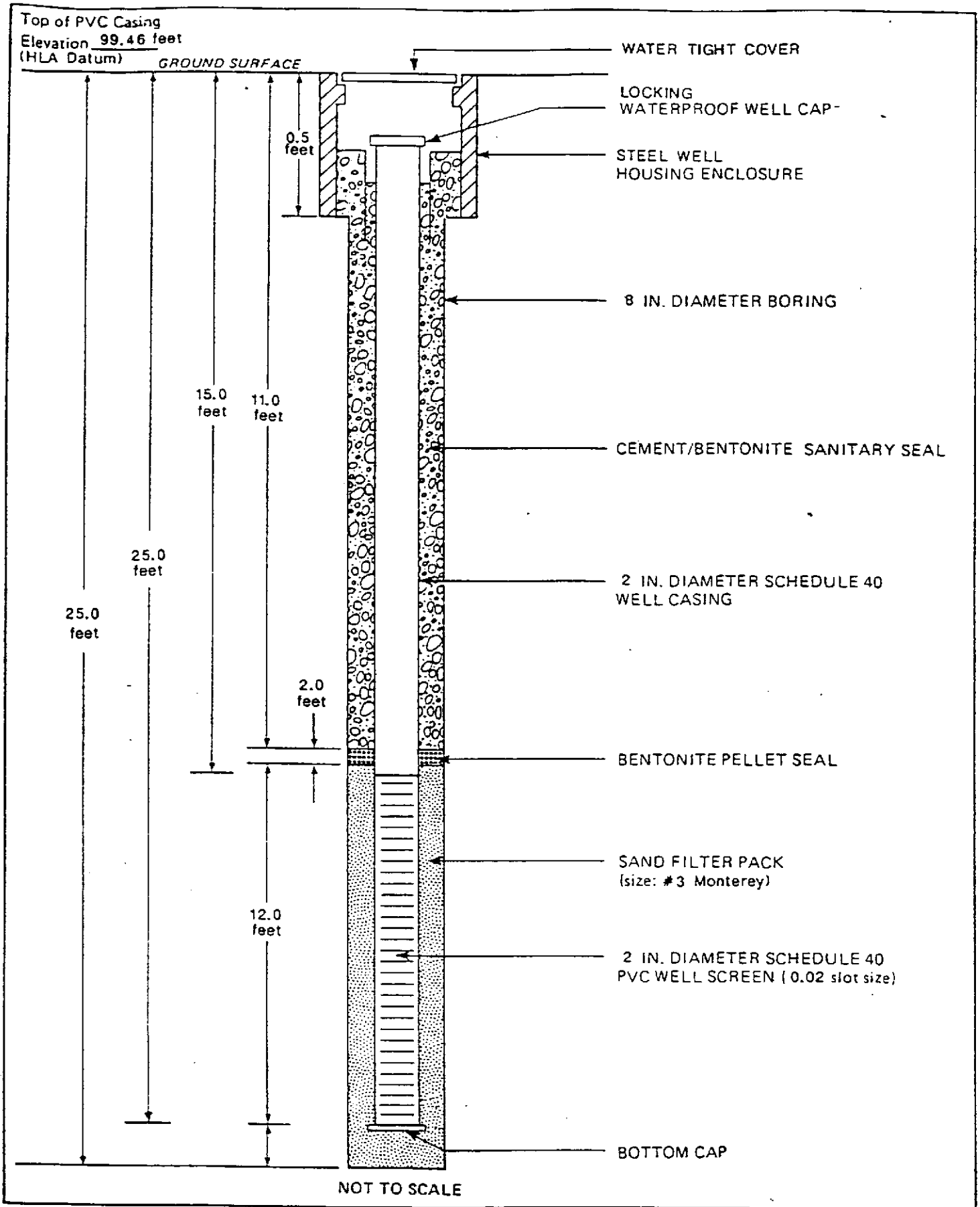
Monitoring Well MW-3B Completion Detail

Texaco Station - 62488000055
23990 Hesperian Boulevard
Hayward, California

PLATE
8

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
RS	2251,049.04	AO	7/88		

FORM GW3



Harding Lawson Associates
Engineers, Geologists
& Geophysicists

Monitoring Well MW-3C Completion Detail

Texaco Station - 62488000055
23990 Hesperian Boulevard
Hayward, California

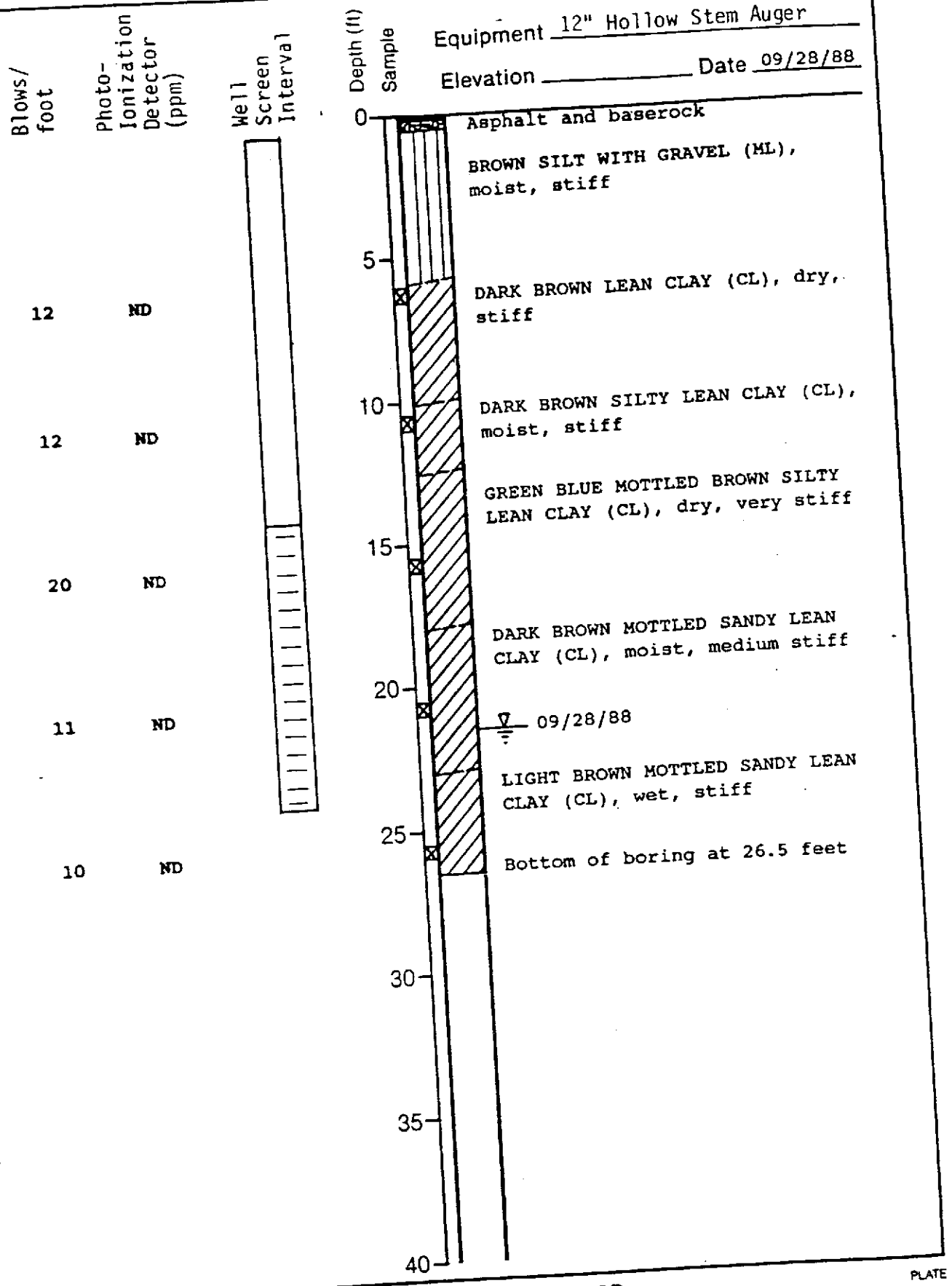
PLATE
9

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
RS	2251,049.04	40	7/88		

FORM GW3

Equipment 12" Hollow Stem Auger

Elevation _____ Date 09/28/88



Harding Lawson Associates
Engineers and Geoscientists

Log of Boring MW-3D
Former Texaco Station
23990 Hesperian Boulevard
Hayward, California

PLATE **11**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
YC	2251,078.03	VBT	3/89		

Equipment 12" Hollow Stem Auger

Elevation _____ Date 09/29/88

Blows/foot	Photo-Ionization Detector (ppm)	Depth (ft)	Sample
		0	
9	ND	5	
14	ND	10	
27	ND	15	
8	ND	20	
13	ND	25	
		30	
		35	
		40	

Well Screen Interval

Asphalt and baserock

DARK BROWN LEAN CLAY (CL), dry, stiff, some silt

Lens of poorly sorted coarse angular gravel

Lens of poorly sorted coarse angular gravel

BROWN MOTTLED SILTY LEAN CLAY (CL), dry, very stiff

BLUE MOTTLED SILTY LEAN CLAY (CL), moist to wet, soft, plastic

▽ 09/29/88

BLUE MOTTLED SILTY SANDY LEAN CLAY (CL), wet, stiff

Bottom of boring at 26 feet

Harding Lawson Associates
Engineers and Geoscientists

Log of Boring MW-3E
Former Texaco Station
23990 Hesperian Boulevard
Hayward, California

PLATE **12**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
YC	2251,078.03	VDS	3/89		

Equipment 12" Hollow Stem Auger

Elevation _____ Date 01/20/89

Blows/foot	Photo-Ionization Detector (ppm)	Sample	Depth (ft)
			0
10	ND		5
15	ND		10
18	ND		15
7	5		20
15	20		25
			30
			35
			40

Well Screen Interval

DARK BROWN FAT CLAY (CH), moist, stiff, less than 5% sand and fine gravel

BROWN LEAN CLAY (CL), moist, stiff

MOTTLED LIGHT BROWN/GRAY SILTY LEAN CLAY (CL), moist, medium stiff

▽ 01/20/89

Bottom of boring at 27.0 feet

Harding Lawson Associates
Engineers and Geoscientists

Log of Boring MW-3F
Former Texaco Station
23990 Hesperian Boulevard
Hayward, California

PLATE **13**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
YC	2251,078.03	[illegible]	3/89		

Equipment 12" Hollow Stem Auger

Elevation _____ Date 01/19/89

Depth (ft)	Sample	Blows/foot	Photo-Ionization Detector (ppm)	Well Screen Interval	
0					Gravel fill
					DARK BROWN FAT CLAY (CH), moist, very stiff
5		22	ND		BROWN SILTY SAND (SM), dry to moist, medium dense, fine to medium sand with some fine gravel
					DARK BROWN FAT CLAY (CH), dry to moist, very stiff
10		24	ND		
					Less stiff
15		31	ND		
20		8	ND		BROWN SILTY LEAN CLAY (CL), moist, medium stiff
					▽ 01/19/89
25		16	ND		
					Bottom of boring at 28.5 feet
30					
35					
40					

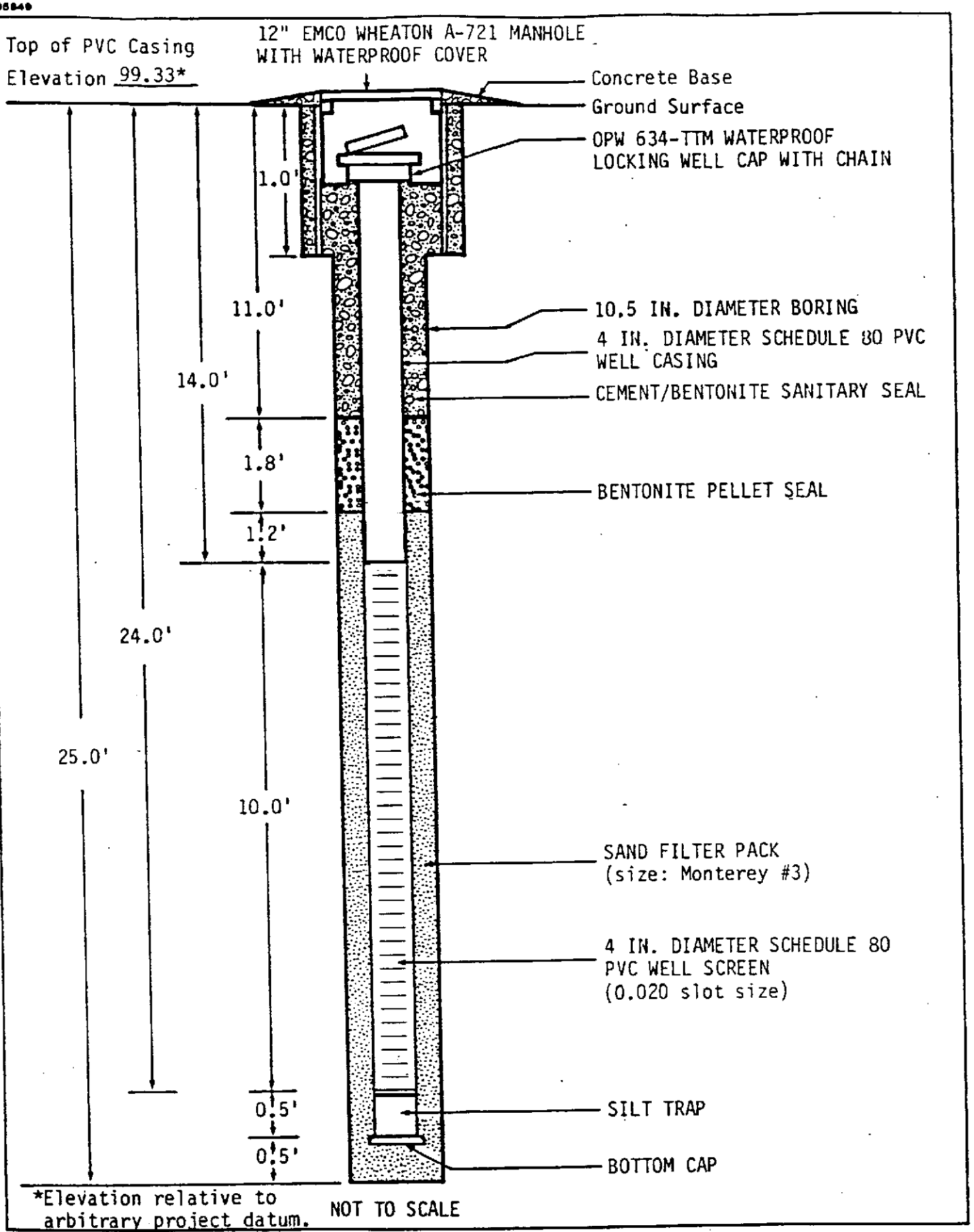
Harding Lawson Associates
Engineers and Geoscientists

Log of Boring MW-3G
Former Texaco Station
23990 Hesperian Boulevard
Hayward, California

PLATE **14**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
YC	2251,078.03	VDA	3/89		

105849



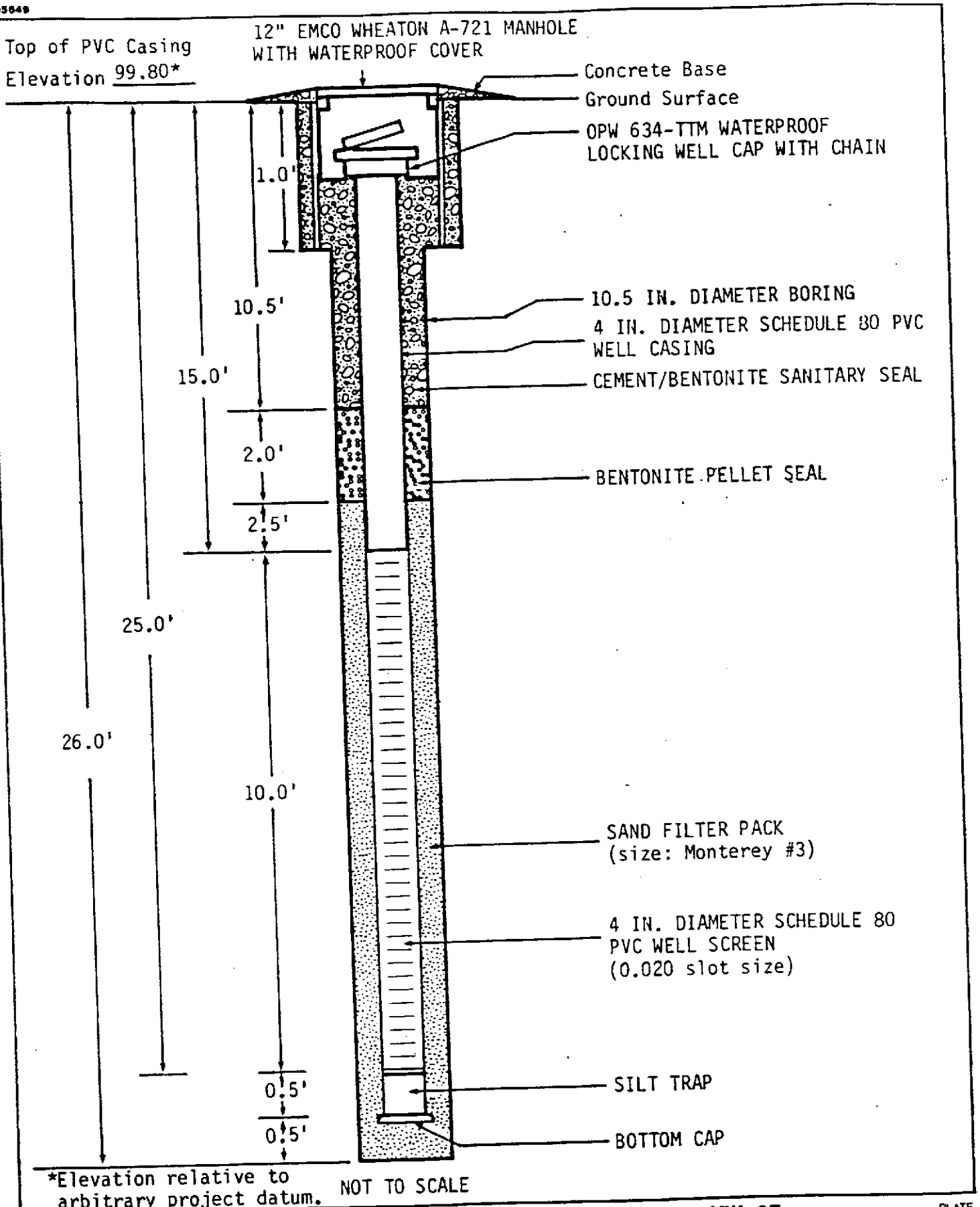
Harding Lawson Associates
Engineers and Geoscientists

Well Completion Diagram MW-3D
Former Texaco Station
23990 Hesperian Boulevard
Hayward, California

PLATE **16**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
YC	2251,078.03	9/15	3/89		

105649

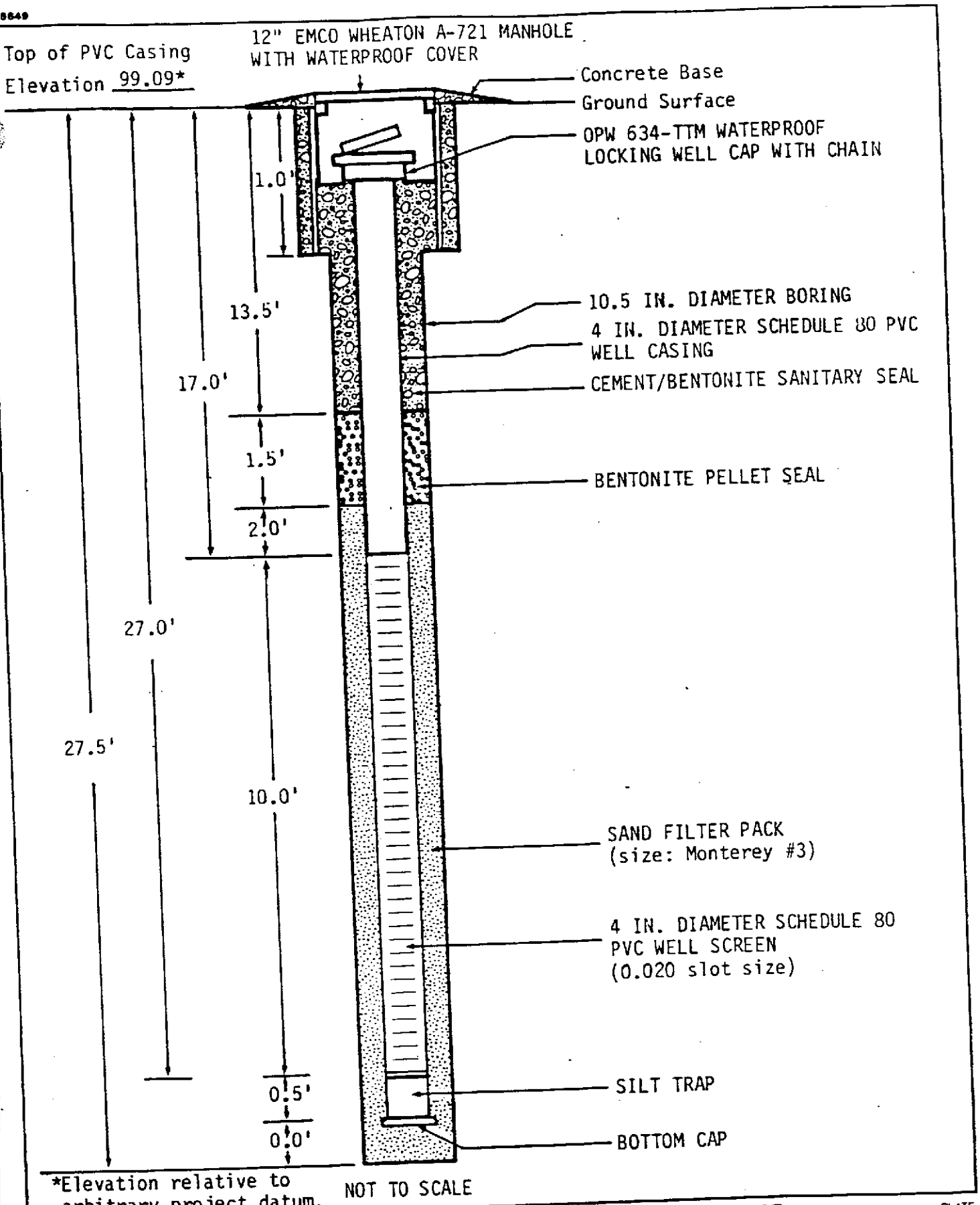


Harding Lawson Associates
Engineers and Geoscientists

Well Completion Diagram MW-3E
Former Texaco Station
23990 Hesperian Boulevard
Hayward, California

PLATE **17**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
YC	2251,078.03	VDA	3/89		



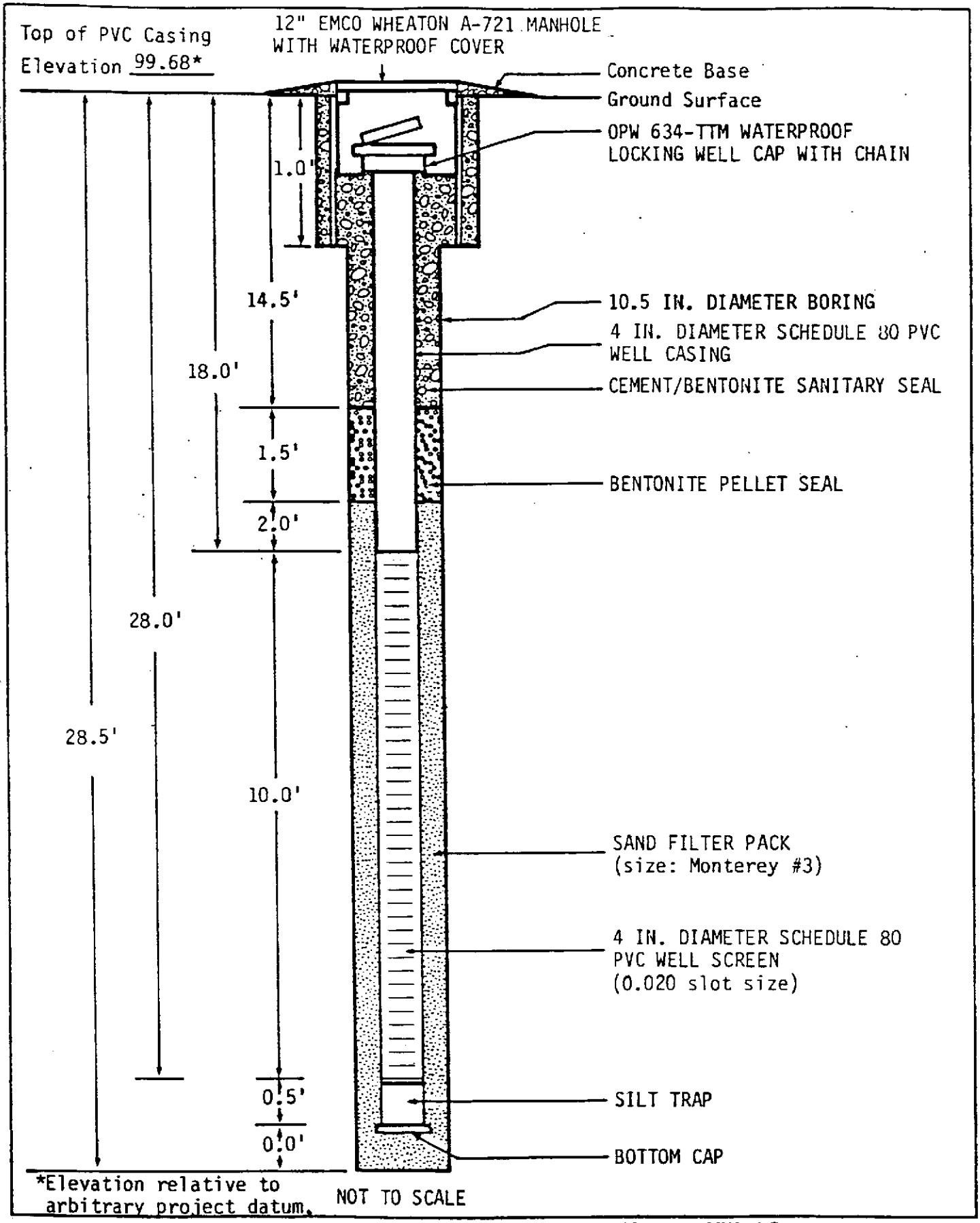
Well Completion Diagram MW-3F
Former Texaco Station
23990 Hesperian Boulevard
Hayward, California

PLATE **18**

Harding Lawson Associates
Engineers and Geoscientists

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
YC	2251,078.03	VDA	3/89		

105849



Harding Lawson Associates
Engineers and Geoscientists

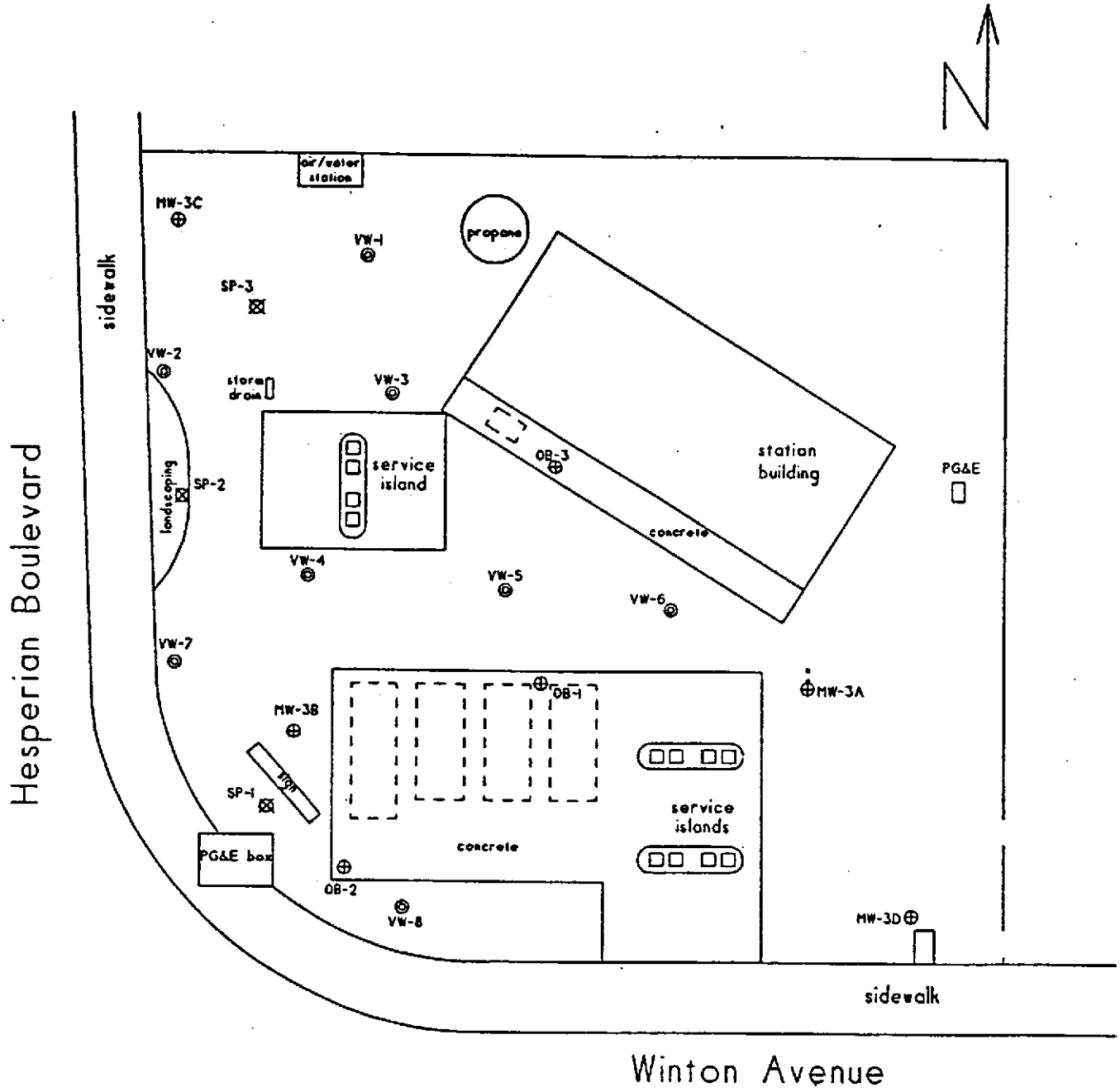
Well Completion Diagram MW-3G
Former Texaco Station
23990 Hesperian Boulevard
Hayward, California

PLATE
19

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
YC	2251,078.03	9/D	3/89		

TERRA VAC CORPORATION

LOG OF MONITORING WELLS SP-3
VW-1 THROUGH VW-8



LEGEND

- MW-3A ⊕ monitoring well
- ⊠ air sparge well
- VW-1 ⊕ vapor extraction well
- / underground storage tanks

0 scale in feet 25

Well Locations
23990 Hesperian Boulevard
Hayward, California

Project	30-0113	Drawn by	CMG
Date	7/13/95	Revision	
Scale	1"=25'	Checked	

TERRA VAC
14798 Wicks Boulevard
San Leandro, CA 94577
(510) 351-8900 fax: -0223

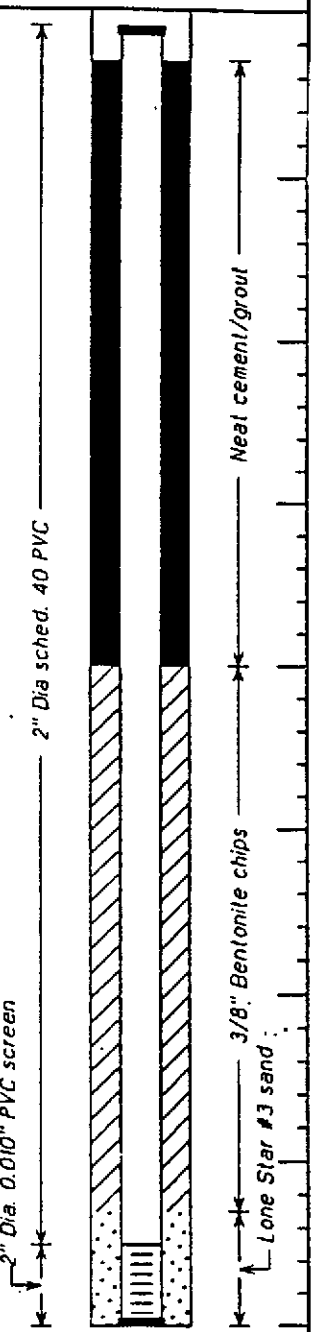
Figure 2

TERRA VAC CORPORATION
14798 Wicks Boulevard, San Leandro, CA 94577

LOG OF MONITORING WELL SP-1

BLOWS/FT	PID (ppm)	SAMP.NO.	DEPTH (ft)	SAMPLES	SYMBOLS	MATERIALS DESCRIPTION
						PAVEMENT SECTION
						CLAYEY (20-25%) silt with trace fine sand (ML), black (2.5Y2.5/1), soft, damp, medium plasticity
						SILTY (25-30%) fine sand with trace clay (SM), olive brown (2.5Y4/3), loose, damp
23		SP1-5.5 SP1-5.8	5			CLAYEY (30-35%) silt (ML), olive brown (2.5Y4/3), stiff, damp, low plasticity
						SILTY (15-20%) clay (CL), very dark grayish brown (2.5Y3/2), very stiff, damp, high plasticity
27		SP1-10.5 SP1-10.8	10			
38		SP1-15.5 SP1-15.8	15			AS above at 16.25 feet, 20-25% silt, trace interbedded caliche clasts, trace fine sand
17		SP1-20.5 SP1-20.8	20			AS above at 20 feet, dark greenish gray (10Y4/1), wet, medium plasticity,
40		SP1-25.5 SP1-25.8	25			AS above at 25 feet, 30-35% fine sand,
						SILTY (25-30%) sand (SM), olive brown (2.5Y4/3), medium dense, wet, mottling
13		SP1-30.5 SP1-30.8	30			CLAYEY (20-25%) silt with trace fine sand (ML), olive brown (2.5Y4/3), stiff, wet, medium plasticity, mottling
26		SP1-35.5 SP1-35.8	35			AS above at 35 feet, 5-10% fine sand
N/A		SP1-39.0 SP1-39.3	40			AS above at 38.5 feet, trace fine sand, dark yellowish brown (10YR3/4), very stiff, damp, low plasticity, mottling
			45			*Bottom of boring at 40 feet.*

WELL DIAGRAM



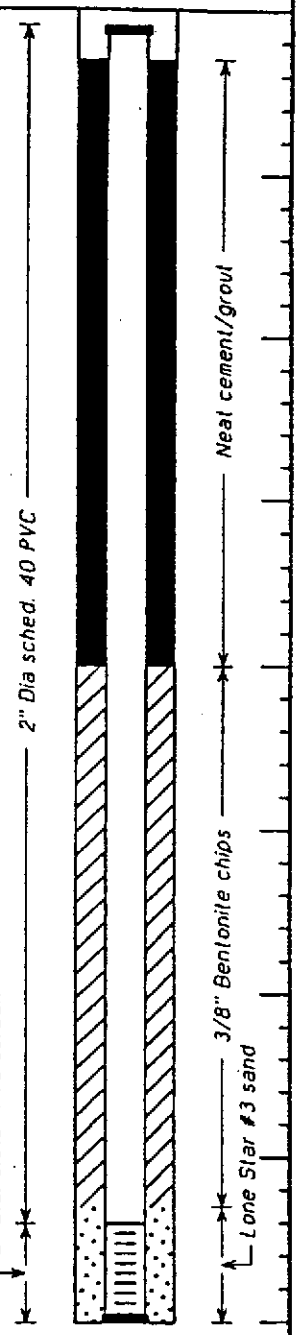
PROJECT	Texaco	DRILLING COMPANY	West Hazmat Drilling Corp.
LOCATION	23990 Hesperian Blvd., Hayward	DATE DRILLED	6/19/95
JOB NUMBER	30-0113	SURFACE ELEVATION	Not surveyed
GEOLOGIST	Cliff M. Garratt	TOTAL DEPTH OF HOLE	40 Feet
DRILL RIG	8 in. dia Hollow Stem Auger	FIRST OBSERVED GW	20 Feet

TERRA VAC CORPORATION
14798 Wicks Boulevard, San Leandro, CA 94577

LOG OF MONITORING WELL SP-2

BLOWS/FT	PID (ppm)	SAMP.NO.	DEPTH (ft)	SAMPLES	SYMBOLS	MATERIALS DESCRIPTION
						CLAYEY (5–10%) silty (10–15%) gravel with sand (10–15%) (GM), brown (10YR4/3), loose, damp
						SILTY (25–30%) clay with trace sand (CL), very dark gray (10YR3/1), low–medium plasticity, damp
16		SP2-5.8 SP2-6.1	5			CLAYEY (15–20%) silt (ML), dark brown (10YR3/3), stiff, damp, low plasticity
18		SP2-10.5 SP2-10.8	10			AS above at 10 feet, 30–35% clay, very damp
						SILTY (15–20%) clay (CL), very dark grayish brown (10YR3/2), very stiff, very damp, low plasticity
42		SP2-15.5 SP2-15.8	15			AS above at 15 feet, hard
14		SP2-20.5 SP2-20.8	20			AS above at 20 feet, 15–25% silt, dark grayish brown (2.5Y4/2) with light gray staining, stiff, wet, medium plasticity
25		SP2-25.8 SP2-26.1	25			AS above at 25 feet, dark grayish brown (2.5Y4/2) to olive gray (5Y4/2), medium stiff, wet, low plasticity
13		SP2-30.5 SP2-31.1	30			SILTY (25–35%) fine sand (SM), olive gray (5Y4/2), medium dense, wet
						CLAYEY (25–35%) silt (ML), brown (10YR4/3), stiff, wet, medium plasticity
30		SP2-35.5 SP2-35.8	35			AS above at 35 feet, brown (10YR5/3) with dark brown staining, very stiff
39		SP2-39.0 SP2-39.3	40			SILTY (20–30%) clay (CL), dark yellowish brown (10YR4/4), hard, moist, low plasticity.
			45			*Bottom of boring at 40 feet.*

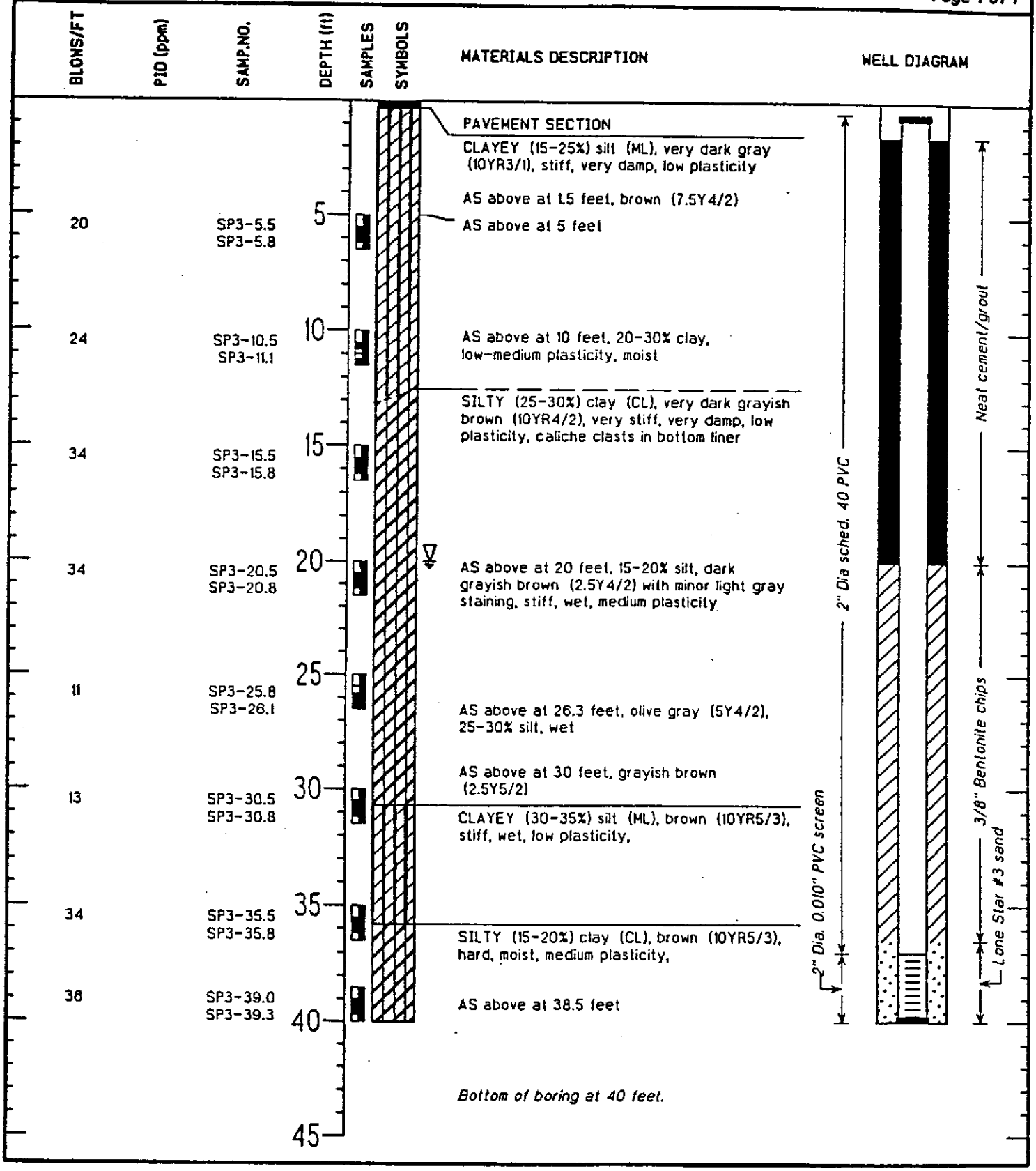
WELL DIAGRAM



PROJECT	Texaco	**DRILLING COMPANY**	West Hazmat Drilling Corp.
LOCATION	23990 Hesperian Blvd., Hayward	**DATE DRILLED**	6/19/95
JOB NUMBER	30-0113	**SURFACE ELEVATION**	Not surveyed
GEOLOGIST	Mike Weideman	**TOTAL DEPTH OF HOLE**	40 Feet
DRILL RIG	8 in. dia Hollow Stem Auger	**FIRST OBSERVED GW**	20 Feet

TERRA VAC CORPORATION
14798 Wicks Boulevard, San Leandro, CA 94577

LOG OF MONITORING WELL SP-3



PROJECT Texaco	DRILLING COMPANY West Hazmat Drilling Corp.
LOCATION 23990 Hesperian Blvd., Hayward	DATE DRILLED 6/19/95
JOB NUMBER 30-0113	SURFACE ELEVATION Not surveyed
GEOLOGIST Mike Weideman	TOTAL DEPTH OF HOLE 40 Feet
DRILL RIG 8 in. dia Hollow Stem Auger	FIRST OBSERVED GW 20 Feet

TERRA VAC

Date Drilled: January 27, 1994 Boring/Well Number VW-1

Project: Texaco - Hayward Project Number: 30-0113

Address: 23990 Hesperian Blvd., Hayward, California

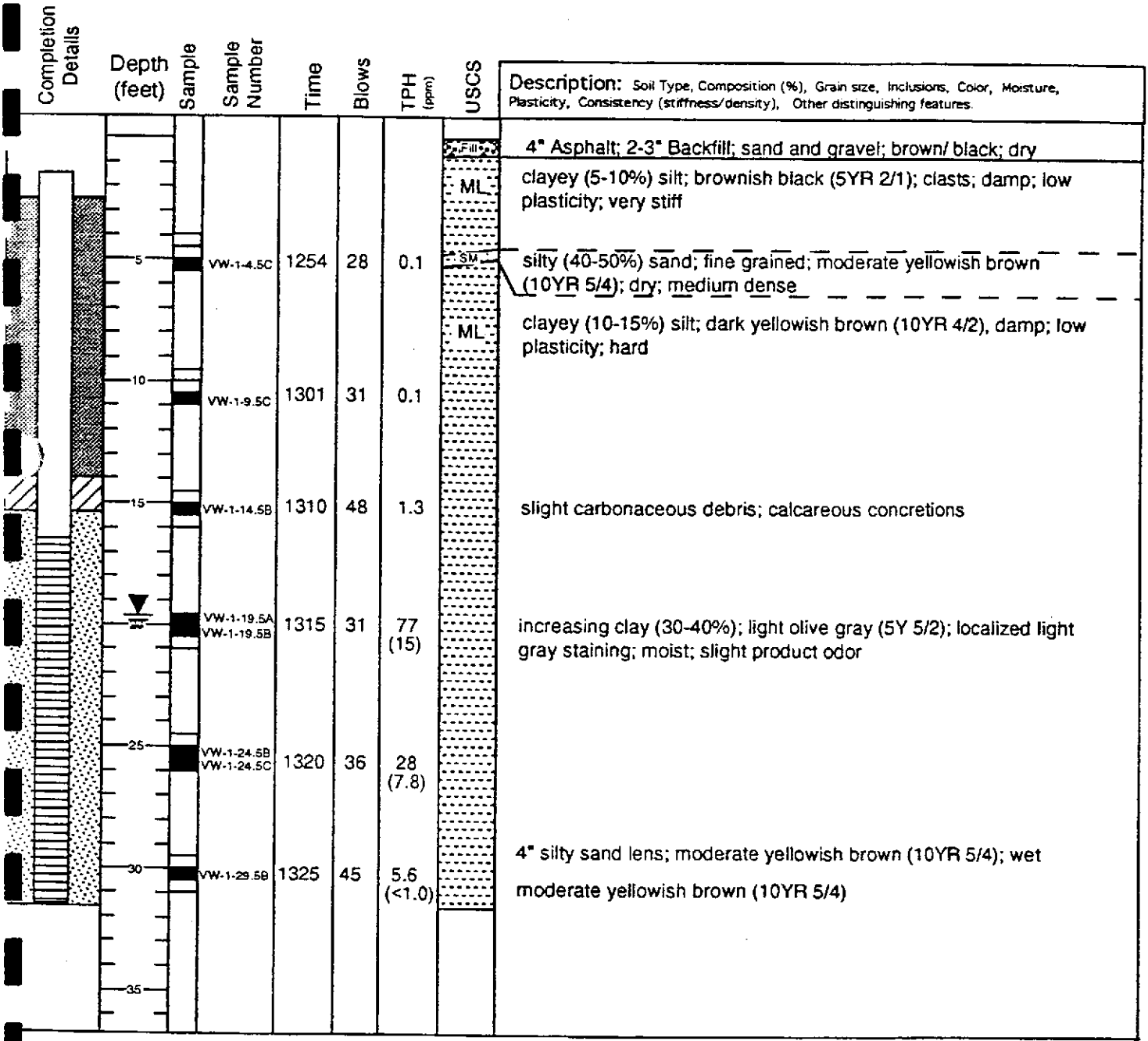
Drilling Contractor: West Hazmat Log by: M. L. Carlisle

Drill Rig CME-75 Auger Size/Type: 10 in Hollow Stem Sample Method: Split Spoon

Total Depth: 31.5 feet Completed Depth: 31.5 feet Depth to Groundwater: 19.56' (2/4/94)

Well Casing/Screen Material: Sch. 40 PVC Diameter: 4 inch Slot Size: .010 inch

Filter Material/Size: 10-20 grade sand Well Seal: Bentonite pellets Backfill/Grout Material: Type I/II neat cement



Completion Details	Depth (feet)	Sample	Sample Number	Time	Blows	TPH (ppm)	USCS	Description: Soil Type, Composition (%), Grain size, Inclusions, Color, Moisture, Plasticity, Consistency (stiffness/density), Other distinguishing features.
							Fill	4" Asphalt; 2-3" Backfill; sand and gravel; brown/ black; dry
							ML	clayey (5-10%) silt; brownish black (5YR 2/1); clasts; damp; low plasticity; very stiff
	5		VW-1-4.5C	1254	28	0.1	SM	silty (40-50%) sand; fine grained; moderate yellowish brown (10YR 5/4); dry; medium dense
							ML	clayey (10-15%) silt; dark yellowish brown (10YR 4/2), damp; low plasticity; hard
	10		VW-1-9.5C	1301	31	0.1		
	15		VW-1-14.5B	1310	48	1.3		slight carbonaceous debris; calcareous concretions
	20		VW-1-19.5A VW-1-19.5B	1315	31	77 (15)		increasing clay (30-40%); light olive gray (5Y 5/2); localized light gray staining; moist; slight product odor
	25		VW-1-24.5B VW-1-24.5C	1320	36	28 (7.8)		
	30		VW-1-29.5B	1325	45	5.6 (<1.0)		4" silty sand lens; moderate yellowish brown (10YR 5/4); wet
	35							moderate yellowish brown (10YR 5/4)

eneral Remarks:

Blow counts are recorded for 12 inches of sampler penetration using a 140 lb hammer unless otherwise specified.

PH = Total Petroleum Hydrocarbon concentrations field screened with a PID, or lab analysis in parentheses.

COLOR nomenclature is based upon 1) the color name and 2) the Munsell notation of color (consisting of separate notations for hue, value, and chroma, combined in that order to form the color designation). [Munsell Soil Color Chart]

This summary applies only at the location of this boring and at the time of drilling.

The data presented is a simplification of actual conditions encountered.

TERRA VAC

Date Drilled: January 26, 1994 Boring/Well Number VW-2

Project: Texaco - Hayward Project Number: 30-0113

Address: 23990 Hesperian Blvd., Hayward, California

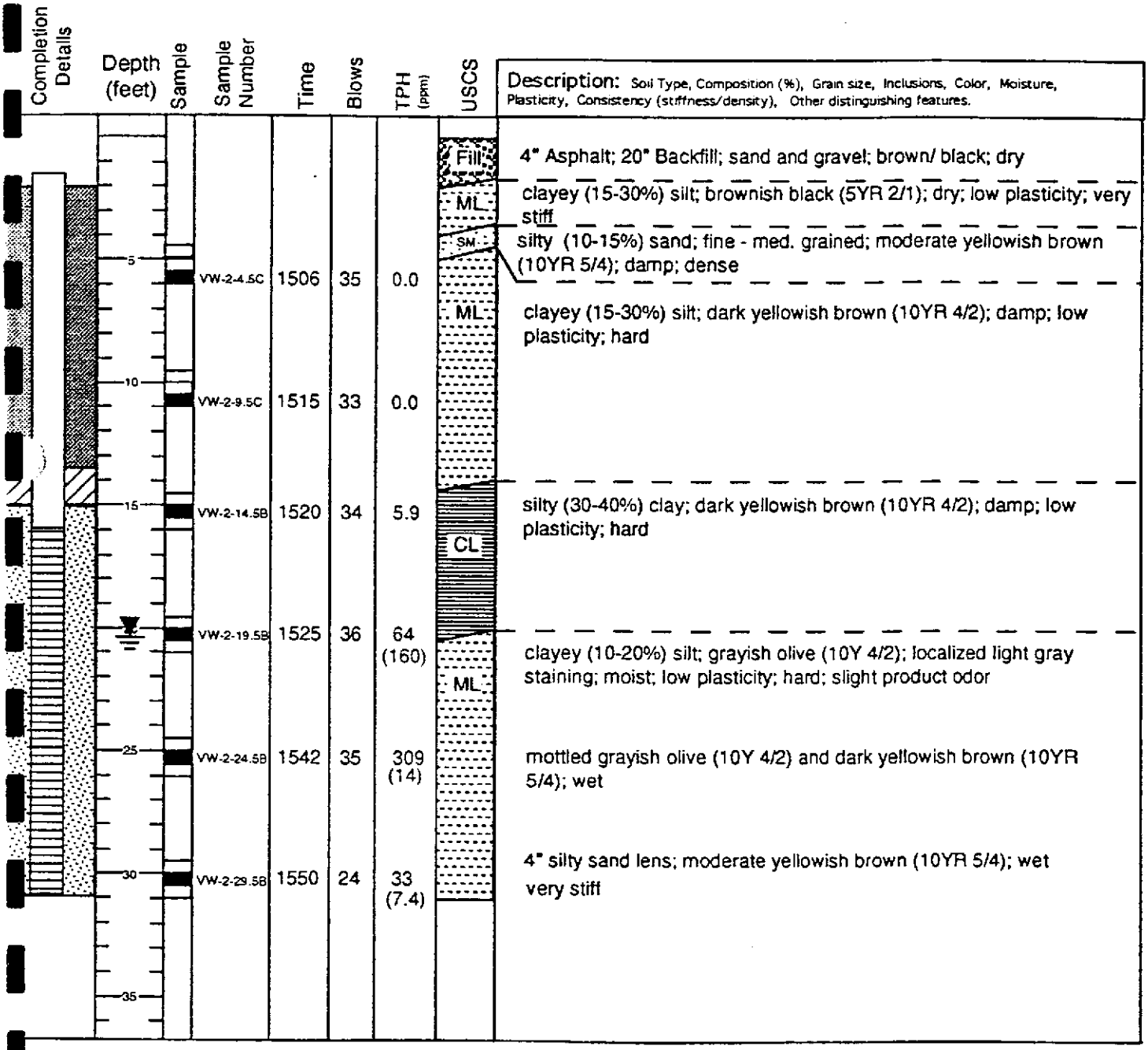
Drilling Contractor: West Hazmat Log by: M. L. Carlisle

Drill Rig CME-75 Auger Size/Type: 10 in Hollow Stem Sample Method: Split Spoon

Total Depth: 31 feet Completed Depth: 31 feet Depth to Groundwater: 20.41' (2/4/94)

Well Casing/Screen Material: Sch. 40 PVC Diameter: 4 inch Slot Size: .010 inch

Filter Material/Size: 10-20 grade sand Well Seal: Bentonite pellets Backfill/Grout Material: Type I/II neat cement



Completion Details	Depth (feet)	Sample	Sample Number	Time	Blows	TPH (ppm)	USCS	Description: Soil Type, Composition (%), Grain size, Inclusions, Color, Moisture, Plasticity, Consistency (stiffness/density), Other distinguishing features.
							Fill	4" Asphalt; 20" Backfill; sand and gravel; brown/ black; dry
							ML	clayey (15-30%) silt; brownish black (5YR 2/1); dry; low plasticity; very stiff
							SM	silty (10-15%) sand; fine - med. grained; moderate yellowish brown (10YR 5/4); damp; dense
	5		VW-2-4.5C	1506	35	0.0	ML	clayey (15-30%) silt; dark yellowish brown (10YR 4/2); damp; low plasticity; hard
	10		VW-2-9.5C	1515	33	0.0		
	15		VW-2-14.5B	1520	34	5.9	CL	silty (30-40%) clay; dark yellowish brown (10YR 4/2); damp; low plasticity; hard
			VW-2-19.5B	1525	36	64 (160)	ML	clayey (10-20%) silt; grayish olive (10Y 4/2); localized light gray staining; moist; low plasticity; hard; slight product odor
	25		VW-2-24.5B	1542	35	309 (14)		mottled grayish olive (10Y 4/2) and dark yellowish brown (10YR 5/4); wet
	30		VW-2-29.5B	1550	24	33 (7.4)		4" silty sand lens; moderate yellowish brown (10YR 5/4); wet very stiff
	35							

neral Remarks:

Blow counts are recorded for 12 inches of sampler penetration using a 140 lb hammer unless otherwise specified.

PH = Total Petroleum Hydrocarbon concentrations field screened with a PID, or lab analysis in parentheses.

OLOR nomenclature is based upon 1) the color name and 2) the Munsell notation of color (consisting of separate otations for hue, value, and chroma, combined in that order to form the color designation). [Munsell Soil Color Chart]

This summary applies only at the location of this boring and at the time of drilling.

he data presented is a simplification of actual conditions encountered.

TERRA VAC

Date Drilled: January 27, 1994 Boring/Well Number VW-3

Project: Texaco - Hayward Project Number: 30-0113

Address: 23990 Hesperian Blvd., Hayward, California

Drilling Contractor: West Hazmat Log by: M. L. Carlisle

Drill Rig CME-75 Auger Size/Type: 10 in Hollow Stem Sample Method: Split Spoon

Total Depth: 32.5 feet Completed Depth: 32.5 feet Depth to Groundwater: 20.40' (2/4/94)

Well Casing/Screen Material: Sch. 40 PVC Diameter: 4 inch Slot Size: .010 inch

Filter Material/Size: 10-20 grade sand Well Seal: Bentonite pellets Backfill/Grout Material: Type I/II neat cement

Completion Details	Depth (feet)	Sample	Sample Number	Time	Blows	TPH (ppm)	USCS	Description: Soil Type, Composition (%), Grain size, Inclusions, Color, Moisture, Plasticity, Consistency (stiffness/density), Other distinguishing features.
							Fill	4" Asphalt; 2-3" Backfill; sand and gravel; brown/ black; dry
							ML	clayey (5-10%) silt; dusky yellowish brown (10YR 2/2); damp; low plasticity; very stiff
			VW-3-3.5B	1016	31	2.5	SM	silty (10-15%) sand; fine - med. grained; moderate yellowish brown (10YR 5/4); damp; medium dense
	5						ML	clayey (15-30%) silt; dark yellowish brown (10YR 5/4); damp; low plasticity; hard
	10		VW-3-8.0C	1020	21	0.0		very stiff
			VW-3-13.0B	1028	34	0.0		hard
	15						CL	silty (40-50%) clay; dark yellowish brown (10YR 5/4); damp; low plasticity; hard
			VW-3-18.0B	1033	34	276 (810)	ML	clayey (30-40%) silt; mottled light olive gray (5Y 5/2) and moderate yellowish brown (10YR 5/4); moist; low plasticity; hard
			VW-3-23.0B	1040	31	738 (200)		as above; moderate yellowish brown (10YR 5/4); localized light gray staining; moderate product odor; product sheen on 23' spoon
	25							
			VW-3-28.0B	1046	41	51 (11)		silty sand lenses (29 to 32 ft); moderate yellowish brown (10YR 5/4); wet
	30		VW-3-29.5B	1049	19	87		
			VW-3-31.0B	1100	35	146		
	35							

neral Remarks:

* Blow counts are recorded for 12 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
H = Total Petroleum Hydrocarbon concentrations field screened with a PID, or lab analysis in parentheses.
COLOR nomenclature is based upon 1) the color name and 2) the Munsell notation of color (consisting of separate notations for hue, value, and chroma, combined in that order to form the color designation). [Munsell Soil Color Chart]

This summary applies only at the location of this boring and at the time of drilling.
The data presented is a simplification of actual conditions encountered.

TERRA VAC

Date Drilled: January 27, 1994 Boring/Well Number VW-4

Project: Texaco - Hayward Project Number: 30-0113

Address: 23990 Hesperian Blvd., Hayward, California

Drilling Contractor: West Hazmat Log by: M. L. Carlisle

Drill Rig CME-75 Auger Size/Type: 10 in Hollow Stem Sample Method: Split Spoon

Total Depth: 31 feet Completed Depth: 31 feet Depth to Groundwater: 20.32' (2/4/94)

Well Casing/Screen Material: Sch. 40 PVC Diameter: 4 inch Slot Size: .010 inch

Filter Material/Size: 10-20 grade sand Well Seal: Bentonite pellets Backfill/Grout Material: Type I/II neat cement

Completion Details	Depth (feet)	Sample	Sample Number	Time	Blows	TPH (ppm)		Description: Soil Type, Composition (%), Grain size, Inclusions, Color, Moisture, Plasticity, Consistency (stiffness/density), Other distinguishing features.
							Fill	4" Asphalt; 2-3" Backfill; sand and gravel; brown/ black; dry
	5		VW-4-4.5B	0750	30	0.0	ML	clayey (5-10%) silt; dark yellowish brown (10YR 4/2); damp; low plasticity; very stiff
	10		VW-4-9.5B	0759	21	0.0		very damp
	15		VW-4-14.5B	0805	39	65 (9.0)	CL	silty (40-50%) clay; dark yellowish brown (10YR 4/2); very damp; low plasticity; hard
	20		VW-4-19.5B	0810	33	407 (83)	ML	clayey (30-40%) silt; light olive gray (5Y 5/2); localized light gray staining; moist; low plasticity; hard; slight carbonaceous debris; moderate product odor
	25		VW-4-24.5B	0820	24	>2000 (6.7)		very stiff; product sheen on 24.5' spoon
								4" silty sand lens; moderate yellowish brown (10YR 5/4); wet
	30		VW-4-29.5B	0831	15	33		moderate yellowish brown (10YR 5/4); stiff
	35							

neral Remarks:

* Blow counts are recorded for 12 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
H = Total Petroleum Hydrocarbon concentrations field screened with a PID, or lab analysis in parentheses.
OLOR nomenclature is based upon 1) the color name and 2) the Munsell notation of color (consisting of separate notations for hue, value, and chroma, combined in that order to form the color designation). [Munsell Soil Color Chart]

This summary applies only at the location of this boring and at the time of drilling.
he data presented is a simplification of actual conditions encountered.

TERRA VAC

Date Drilled: January 25, 1994 **Boring/Well Number** VW-5

Project: Texaco - Hayward Project Number: 30-0113

Address: 23990 Hesperian Blvd., Hayward, California

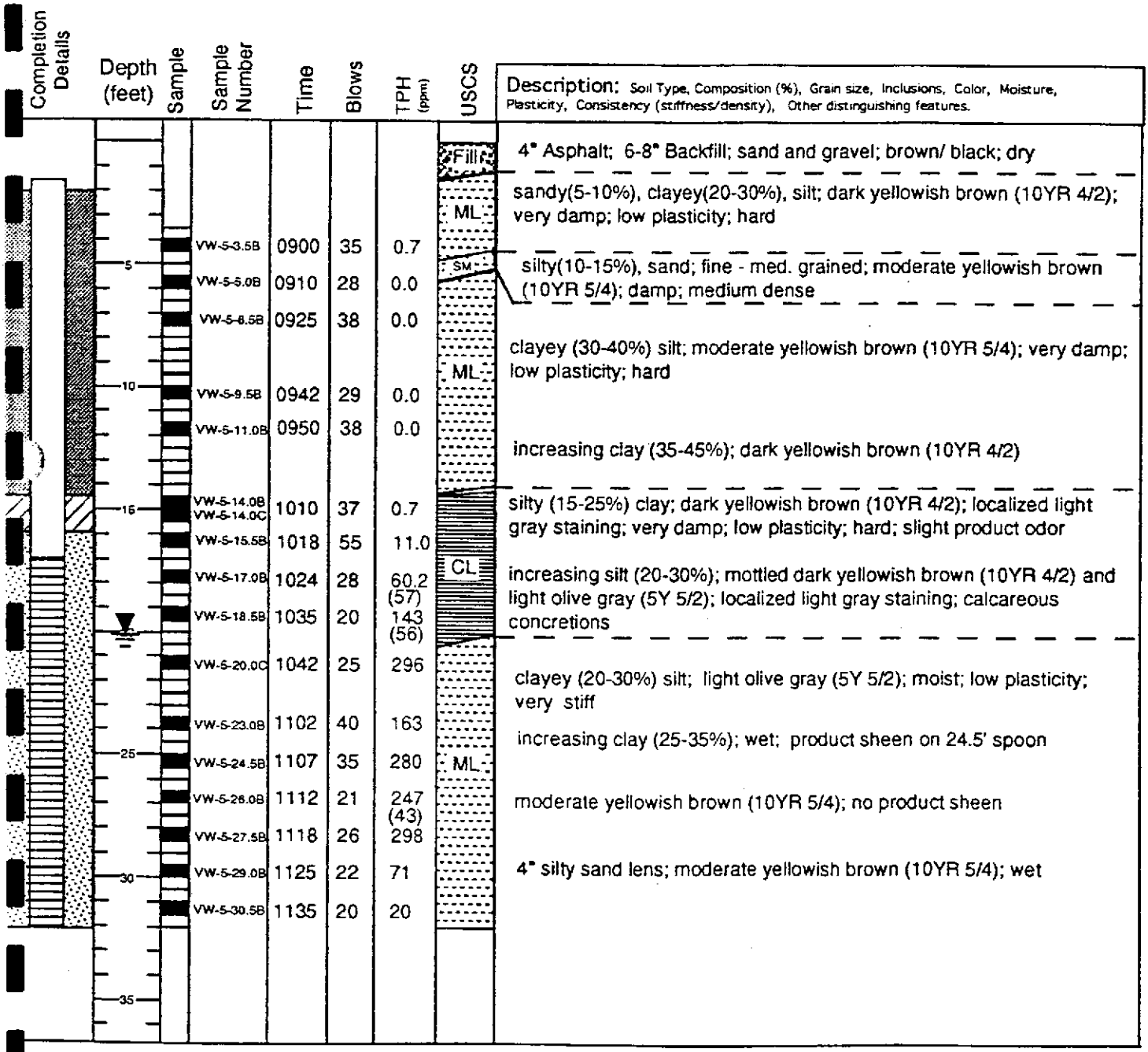
Drilling Contractor: West Hazmat Log by: M. L. Carlisle

Drill Rig CME-75 Auger Size/Type: 10 in Hollow Stem Sample Method: Split Spoon

Total Depth: 32 feet Completed Depth: 32 feet Depth to Groundwater:

Well Casing/Screen Material: Sch. 40 PVC Diameter: 4 inch Slot Size: .010 inch

Filter Material/Size: 10-20 grade sand Well Seal: Bentonite pellets Backfill/Grout Material: Type I/II neat cement



Completion Details	Depth (feet)	Sample	Sample Number	Time	Blows	TPH (ppm)	USCS	Description: Soil Type, Composition (%), Grain size, Inclusions, Color, Moisture, Plasticity, Consistency (stiffness/density), Other distinguishing features.
							Fill	4" Asphalt; 6-8" Backfill; sand and gravel; brown/ black; dry
							ML	sandy(5-10%), clayey(20-30%), silt; dark yellowish brown (10YR 4/2); very damp; low plasticity; hard
	5		VW-5-3.5B	0900	35	0.7	SM	silty(10-15%), sand; fine - med. grained; moderate yellowish brown (10YR 5/4); damp; medium dense
			VW-5-5.0B	0910	28	0.0		
			VW-5-8.5B	0925	38	0.0	ML	clayey (30-40%) silt; moderate yellowish brown (10YR 5/4); very damp; low plasticity; hard
	10		VW-5-9.5B	0942	29	0.0		
			VW-5-11.0B	0950	38	0.0		increasing clay (35-45%); dark yellowish brown (10YR 4/2)
	15		VW-5-14.0B VW-5-14.0C	1010	37	0.7		silty (15-25%) clay; dark yellowish brown (10YR 4/2); localized light gray staining; very damp; low plasticity; hard; slight product odor
			VW-5-15.5B	1018	55	11.0		
			VW-5-17.0B	1024	28	60.2 (57)	CL	increasing silt (20-30%); mottled dark yellowish brown (10YR 4/2) and light olive gray (5Y 5/2); localized light gray staining; calcareous concretions
			VW-5-18.5B	1035	20	143 (56)		
			VW-5-20.0C	1042	25	296		clayey (20-30%) silt; light olive gray (5Y 5/2); moist; low plasticity; very stiff
			VW-5-23.0B	1102	40	163		increasing clay (25-35%); wet; product sheen on 24.5' spoon
	25		VW-5-24.5B	1107	35	280	ML	
			VW-5-26.0B	1112	21	247 (43)		moderate yellowish brown (10YR 5/4); no product sheen
			VW-5-27.5B	1118	26	298		
	30		VW-5-29.0B	1125	22	71		4" silty sand lens; moderate yellowish brown (10YR 5/4); wet
			VW-5-30.5B	1135	20	20		
	35							

General Remarks:

* Blow counts are recorded for 12 inches of sampler penetration using a 140 lb hammer unless otherwise specified.

TPH = Total Petroleum Hydrocarbon concentrations field screened with a PID, or lab analysis in parentheses.

COLOR nomenclature is based upon 1) the color name and 2) the Munsell notation of color (consisting of separate notations for hue, value, and chroma, combined in that order to form the color designation). [Munsell Soil Color Chart]

This summary applies only at the location of this boring and at the time of drilling.

The data presented is a simplification of actual conditions encountered.

TERRA VAC

Date Drilled: January 25, 1994 **Boring/Well Number** VW-6

Project: Texaco - Hayward Project Number: 30-0113

Address: 23990 Hesperian Blvd., Hayward, California

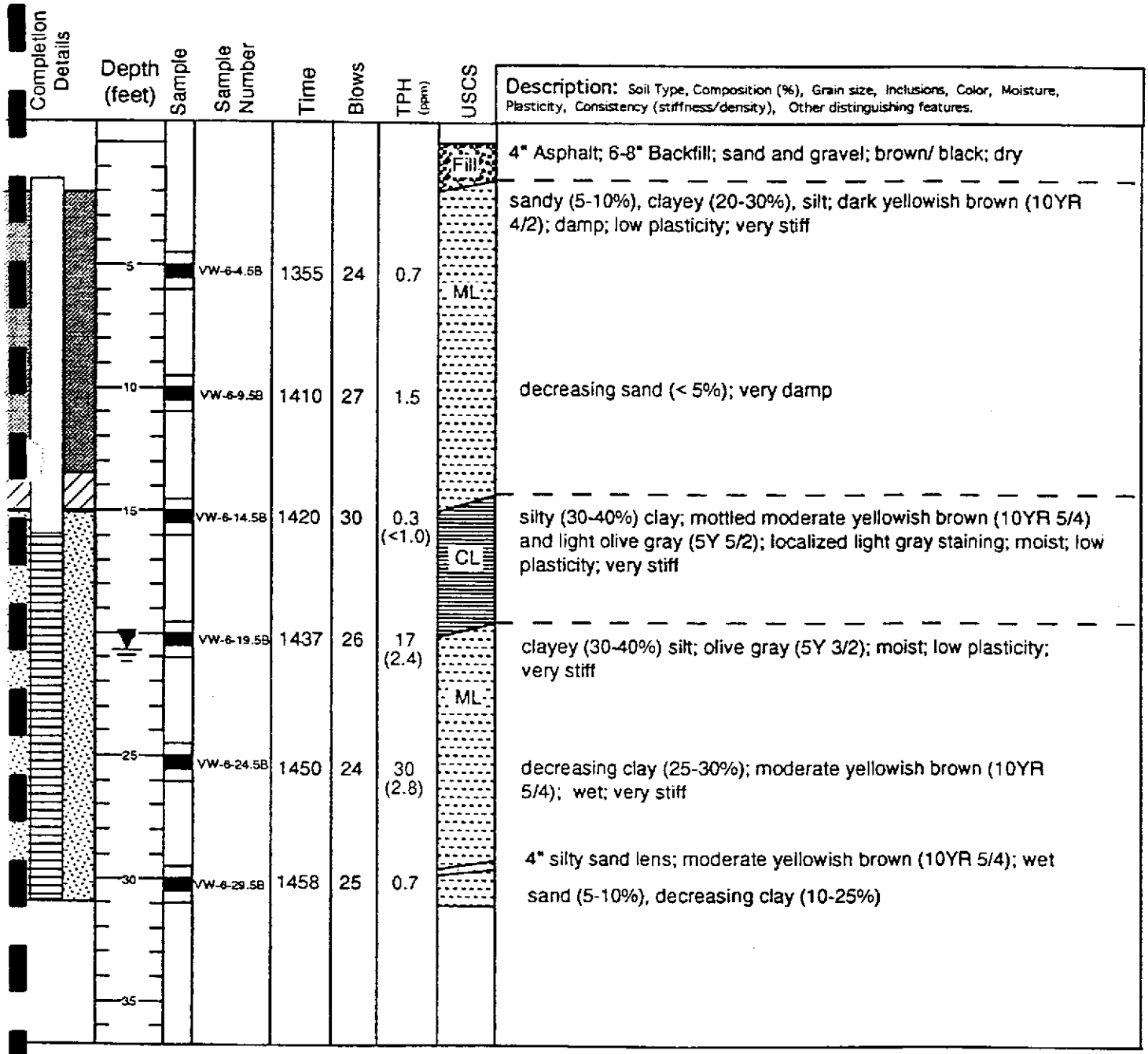
Drilling Contractor: West Hazmat Log by: M. L. Carlisle

Drill Rig CME-75 Auger Size/Type: 10 in Hollow Stem Sample Method: Split Spoon

Total Depth: 31 feet Completed Depth: 31 feet Depth to Groundwater: 20.54' (2/4/94)

Well Casing/Screen Material: Sch. 40 PVC Diameter: 4 inch Slot Size: .010 inch

Filter Material/Size: 10-20 grade sand Well Seal: Bentonite pellets Backfill/Grout Material: Type I/II neat cement



Completion Details	Depth (feet)	Sample	Sample Number	Time	Blows	TPH (ppm)	USCS	Description: Soil Type, Composition (%), Grain size, Inclusions, Color, Moisture, Plasticity, Consistency (stiffness/density), Other distinguishing features.
							Fill	4" Asphalt; 6-8" Backfill; sand and gravel; brown/ black; dry
	5		VW-6-4.5B	1355	24	0.7	ML	sandy (5-10%), clayey (20-30%), silt; dark yellowish brown (10YR 4/2); damp; low plasticity; very stiff
	10		VW-6-9.5B	1410	27	1.5		decreasing sand (< 5%); very damp
	15		VW-6-14.5B	1420	30	0.3 (<1.0)	CL	silty (30-40%) clay; mottled moderate yellowish brown (10YR 5/4) and light olive gray (5Y 5/2); localized light gray staining; moist; low plasticity; very stiff
			VW-6-19.5B	1437	26	17 (2.4)	ML	clayey (30-40%) silt; olive gray (5Y 3/2); moist; low plasticity; very stiff
	25		VW-6-24.5B	1450	24	30 (2.8)		decreasing clay (25-30%); moderate yellowish brown (10YR 5/4); wet; very stiff
	30		VW-6-29.5B	1458	25	0.7		4" silty sand lens; moderate yellowish brown (10YR 5/4); wet sand (5-10%), decreasing clay (10-25%)
	35							

eneral Remarks:

* Blow counts are recorded for 12 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
TPH = Total Petroleum Hydrocarbon concentrations field screened with a PID, or lab analysis in parentheses.
COLOR nomenclature is based upon 1) the color name and 2) the Munsell notation of color (consisting of separate notations for hue, value, and chroma, combined in that order to form the color designation). [Munsell Soil Color Chart]

This summary applies only at the location of this boring and at the time of drilling.
The data presented is a simplification of actual conditions encountered.

TERRA VAC

Date Drilled: January 26, 1994 Boring/Well Number VW-7

Project: Texaco - Hayward Project Number: 30-0113

Address: 23990 Hesperian Blvd., Hayward, California

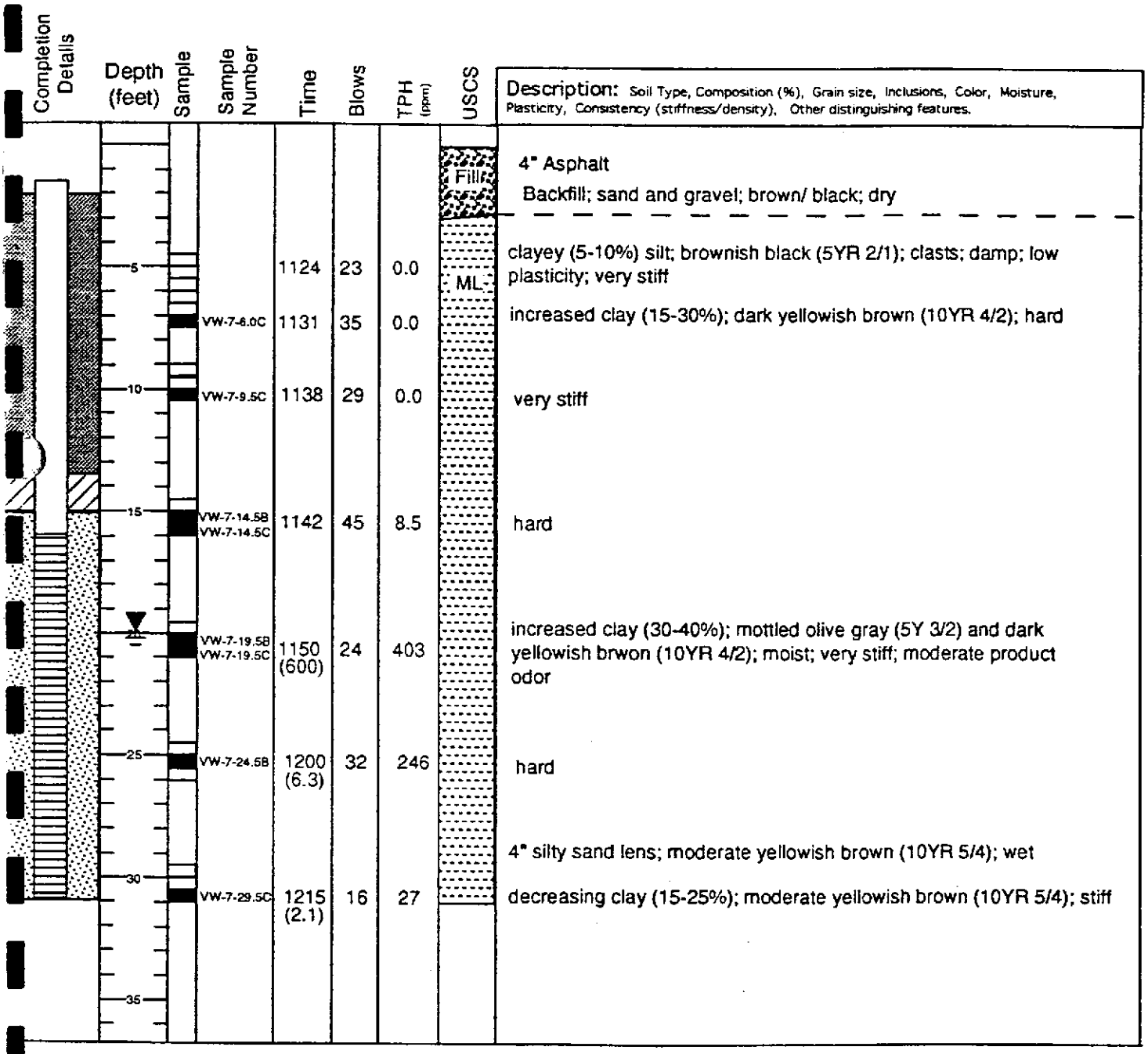
Drilling Contractor: West Hazmat Log by: M. L. Carlisle

Drill Rig CME-75 Auger Size/Type: 10 in Hollow Stem Sample Method: Split Spoon

Total Depth: 31 feet Completed Depth: 31 feet Depth to Groundwater:

Well Casing/Screen Material: Sch. 40 PVC Diameter: 4 inch Slot Size: .010 inch

Filter Material/Size: 10-20 grade sand Well Seal: Bentonite pellets Backfill/Grout Material: Type I/II neat cement



General Remarks:

* Blow counts are recorded for 12 inches of sampler penetration using a 140 lb hammer unless otherwise specified.

TPH = Total Petroleum Hydrocarbon concentrations field screened with a PID, or lab analysis in parentheses.

COLOR nomenclature is based upon 1) the color name and 2) the Munsell notation of color (consisting of separate notations for hue, value, and chroma, combined in that order to form the color designation). [Munsell Soil Color Chart]

This summary applies only at the location of this boring and at the time of drilling.

The data presented is a simplification of actual conditions encountered.

TERRA VAC

Date Drilled: January 26, 1994 **Boring/Well Number** VW-8

Project: Texaco - Hayward Project Number: 30-0113

Address: 23990 Hesperian Blvd., Hayward, California

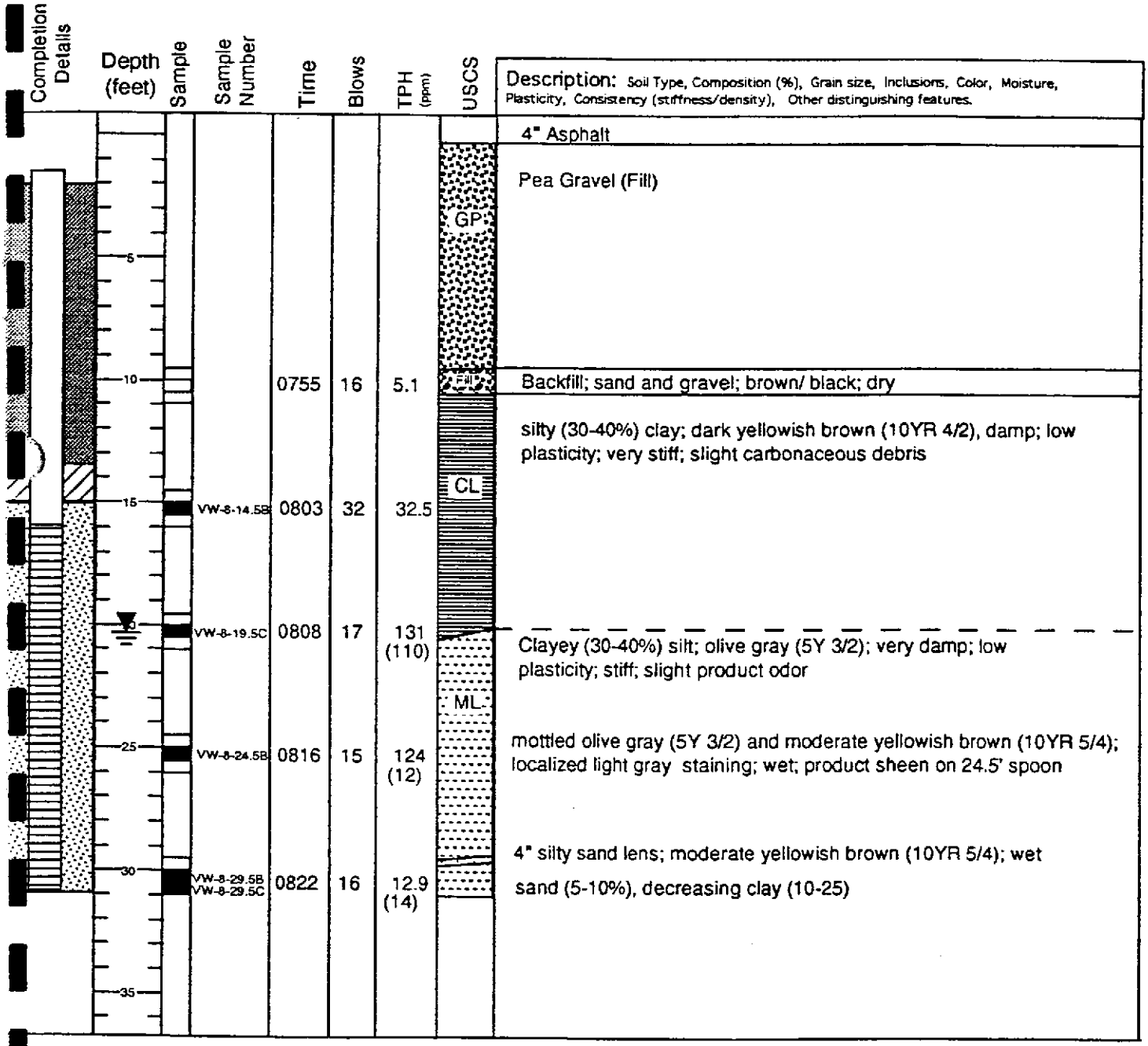
Drilling Contractor: West Hazmat Log by: M. L. Carlisle

Drill Rig CME-75 Auger Size/Type: 10 in Hollow Stem Sample Method: Split Spoon

Total Depth: 31 feet Completed Depth: 31 feet Depth to Groundwater: 20.28' (2/4/94)

Well Casing/Screen Material: Sch. 40 PVC Diameter: 4 inch Slot Size: .010 inch

Filter Material/Size: 10-20 grade sand Well Seal: Bentonite pellets Backfill/Grout Material: Type I/II neat cement



neral Remarks:

Blow counts are recorded for 12 inches of sampler penetration using a 140 lb hammer unless otherwise specified.

PH = Total Petroleum Hydrocarbon concentrations field screened with a PID, or lab analysis in parentheses.

OLOR nomenclature is based upon 1) the color name and 2) the Munsell notation of color (consisting of separate otations for hue, value, and chroma, combined in that order to form the color designation). [Munsell Soil Color Chart]

This summary applies only at the location of this boring and at the time of drilling.

he data presented is a simplification of actual conditions encountered.

TERRA VAC

Date Drilled: January 26, 1994 Boring/Well Number VW-8

Project: Texaco - Hayward Project Number: 30-0113

Address: 23990 Hesperian Blvd., Hayward, California

Drilling Contractor: West Hazmat Log by: M. L. Carlisle

Drill Rig CME-75 Auger Size/Type: 10 in Hollow Stem Sample Method: Split Spoon

Total Depth: 31 feet Completed Depth: 31 feet Depth to Groundwater: 20.28' (2/4/94)

Well Casing/Screen Material: Sch. 40 PVC Diameter: 4 inch Slot Size: .010 inch

Filter Material/Size: 10-20 grade sand Well Seal: Bentonite pellets Backfill/Grout Material: Type I/II neat cement

Completion Details	Depth (feet)	Sample	Sample Number	Time	Blows	TPH (ppm)	USCS	Description: Soil Type, Composition (%), Grain size, Inclusions, Color, Moisture, Plasticity, Consistency (stiffness/density), Other distinguishing features.
								4" Asphalt
	5						GP	Pea Gravel (Fill)
	10			0755	16	5.1		Backfill; sand and gravel; brown/ black; dry
	15		VW-8-14.5B	0803	32	32.5	CL	silty (30-40%) clay; dark yellowish brown (10YR 4/2), damp; low plasticity; very stiff; slight carbonaceous debris
			VW-8-19.5C	0808	17	131 (110)		Clayey (30-40%) silt; olive gray (5Y 3/2); very damp; low plasticity; stiff; slight product odor
	25		VW-8-24.5B	0816	15	124 (12)	ML	mottled olive gray (5Y 3/2) and moderate yellowish brown (10YR 5/4); localized light gray staining; wet; product sheen on 24.5' spoon
	30		VW-8-29.5B VW-8-29.5C	0822	16	12.9 (14)		4" silty sand lens; moderate yellowish brown (10YR 5/4); wet sand (5-10%), decreasing clay (10-25)
	35							

General Remarks:

Blow counts are recorded for 12 inches of sampler penetration using a 140 lb hammer unless otherwise specified.

( ) = Total Petroleum Hydrocarbon concentrations field screened with a PID, or lab analysis in parentheses.

COLOR nomenclature is based upon 1) the color name and 2) the Munsell notation of color (consisting of separate notations for hue, value, and chroma, combined in that order to form the color designation). [Munsell Soil Color Chart]

This summary applies only at the location of this boring and at the time of drilling.

The data presented is a simplification of actual conditions encountered.

APPENDIX 4

LABORATORY INVESTIGATION
AIRPORT PLAZA

- ANALYTICAL REPORTS
- CHAIN OF CUSTODY FORMS

VAN BRUNT ASSOCIATES

SAMPLE ID: MW-3A
AEN LAB NO: 9503266-01
AEN WORK ORDER: 9503266
CLIENT PROJ. ID: EXXON GAS STA.

DATE SAMPLED: 03/15/95
DATE RECEIVED: 03/15/95
REPORT DATE: 03/29/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
VOCs in Water by 8240	**EPA 8240**				
Acetone	67-64-1	ND	100	ug/L	03/22/95
Benzene	71-43-2	ND	5	ug/L	03/22/95
Bromodichloromethane	75-27-4	ND	5	ug/L	03/22/95
Bromoform	75-25-2	ND	5	ug/L	03/22/95
Bromomethane	74-83-9	ND	10	ug/L	03/22/95
2-Butanone	78-93-3	ND	100	ug/L	03/22/95
Carbon Disulfide	75-15-0	ND	10	ug/L	03/22/95
Carbon Tetrachloride	56-23-5	ND	5	ug/L	03/22/95
Chlorobenzene	108-90-7	ND	5	ug/L	03/22/95
Chloroethane	75-00-3	ND	10	ug/L	03/22/95
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/L	03/22/95
Chloroform	67-66-3	ND	5	ug/L	03/22/95
Chloromethane	74-87-3	ND	10	ug/L	03/22/95
Dibromochloromethane	124-48-1	ND	5	ug/L	03/22/95
1,1-Dichloroethane	75-34-3	ND	5	ug/L	03/22/95
1,2-Dichloroethane	107-06-2	ND	5	ug/L	03/22/95
1,1-Dichloroethene	75-35-4	ND	5	ug/L	03/22/95
cis-1,2-Dichloroethene	156-59-2	ND	5	ug/L	03/22/95
trans-1,2-Dichloroethene	156-60-5	ND	5	ug/L	03/22/95
1,2-Dichloropropane	78-87-5	ND	5	ug/L	03/22/95
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/L	03/22/95
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/L	03/22/95
Ethylbenzene	100-41-4	ND	5	ug/L	03/22/95
2-Hexanone	591-78-6	ND	50	ug/L	03/22/95
Methylene Chloride	75-09-2	ND	20	ug/L	03/22/95
4-Methyl-2-pentanone	108-10-1	ND	50	ug/L	03/22/95
Styrene	100-42-5	ND	5	ug/L	03/22/95
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/L	03/22/95
Tetrachloroethene	127-18-4	ND	5	ug/L	03/22/95
Toluene	108-88-3	ND	5	ug/L	03/22/95
1,1,1-Trichloroethane	71-55-6	ND	5	ug/L	03/22/95
1,1,2-Trichloroethane	79-00-5	ND	5	ug/L	03/22/95
Trichloroethene	79-01-6	ND	5	ug/L	03/22/95
Vinyl Acetate	108-05-4	ND	50	ug/L	03/22/95
Vinyl Chloride	75-01-4	ND	10	ug/L	03/22/95
Xylenes, Total	1330-20-7	ND	10	ug/L	03/22/95

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

VAN BRUNT ASSOCIATES

SAMPLE ID: MW-3B
AEN LAB NO: 9503266-02
AEN WORK ORDER: 9503266
CLIENT PROJ. ID: EXXON GAS STA.

DATE SAMPLED: 03/15/95
DATE RECEIVED: 03/15/95
REPORT DATE: 03/29/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
VOCs in Water by 8240	EPA 8240				
Acetone	67-64-1	ND	5000	ug/L	03/22/95
Benzene	71-43-2	12,000 *	300	ug/L	03/22/95
Bromodichloromethane	75-27-4	ND	300	ug/L	03/22/95
Bromoform	75-25-2	ND	300	ug/L	03/22/95
Bromomethane	74-83-9	ND	500	ug/L	03/22/95
2-Butanone	78-93-3	ND	5000	ug/L	03/22/95
Carbon Disulfide	75-15-0	ND	500	ug/L	03/22/95
Carbon Tetrachloride	56-23-5	ND	300	ug/L	03/22/95
Chlorobenzene	108-90-7	ND	300	ug/L	03/22/95
Chloroethane	75-00-3	ND	500	ug/L	03/22/95
2-Chloroethyl Vinyl Ether	110-75-8	ND	500	ug/L	03/22/95
Chloroform	67-66-3	ND	300	ug/L	03/22/95
Chloromethane	74-87-3	ND	500	ug/L	03/22/95
Dibromochloromethane	124-48-1	ND	300	ug/L	03/22/95
1,1-Dichloroethane	75-34-3	ND	300	ug/L	03/22/95
1,2-Dichloroethane	107-06-2	ND	300	ug/L	03/22/95
1,1-Dichloroethene	75-35-4	ND	300	ug/L	03/22/95
cis-1,2-Dichloroethene	156-59-2	ND	300	ug/L	03/22/95
trans-1,2-Dichloroethene	156-60-5	ND	300	ug/L	03/22/95
1,2-Dichloropropane	78-87-5	ND	300	ug/L	03/22/95
cis-1,3-Dichloropropene	10061-01-5	ND	300	ug/L	03/22/95
trans-1,3-Dichloropropene	10061-02-6	ND	300	ug/L	03/22/95
Ethylbenzene	100-41-4	3500 *	300	ug/L	03/22/95
2-Hexanone	591-78-6	ND	3000	ug/L	03/22/95
Methylene Chloride	75-09-2	ND	1000	ug/L	03/22/95
4-Methyl-2-pentanone	108-10-1	ND	3000	ug/L	03/22/95
Styrene	100-42-5	ND	300	ug/L	03/22/95
1,1,2,2-Tetrachloroethane	79-34-5	ND	300	ug/L	03/22/95
Tetrachloroethene	127-18-4	ND	300	ug/L	03/22/95
Toluene	108-88-3	26,000 *	300	ug/L	03/22/95
1,1,1-Trichloroethane	71-55-6	ND	300	ug/L	03/22/95
1,1,2-Trichloroethane	79-00-5	ND	300	ug/L	03/22/95
Trichloroethene	79-01-6	ND	300	ug/L	03/22/95
Vinyl Acetate	108-05-4	ND	3000	ug/L	03/22/95
Vinyl Chloride	75-01-4	ND	500	ug/L	03/22/95
Xylenes, Total	1330-20-7	18,000 *	500	ug/L	03/22/95

VAN BRUNT ASSOCIATES

SAMPLE ID: MW-3B
AEN LAB NO: 9503266-02
AEN WORK ORDER: 9503266
CLIENT PROJ. ID: EXXON GAS STA.

DATE SAMPLED: 03/15/95
DATE RECEIVED: 03/15/95
REPORT DATE: 03/29/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED

Reporting limits elevated due to high levels of target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

VAN BRUNT ASSOCIATES

SAMPLE ID: MW-3C
AEN LAB NO: 9503266-03
AEN WORK ORDER: 9503266
CLIENT PROJ. ID: EXXON GAS STA.

DATE SAMPLED: 03/15/95
DATE RECEIVED: 03/15/95
REPORT DATE: 03/29/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
VOCs in Water by 8240	**EPA 8240**				
Acetone	67-64-1	ND	500	ug/L	03/22/95
Benzene	71-43-2	170 *	30	ug/L	03/22/95
Bromodichloromethane	75-27-4	ND	30	ug/L	03/22/95
Bromoform	75-25-2	ND	30	ug/L	03/22/95
Bromomethane	74-83-9	ND	50	ug/L	03/22/95
2-Butanone	78-93-3	ND	500	ug/L	03/22/95
Carbon Disulfide	75-15-0	ND	50	ug/L	03/22/95
Carbon Tetrachloride	56-23-5	ND	30	ug/L	03/22/95
Chlorobenzene	108-90-7	ND	30	ug/L	03/22/95
Chloroethane	75-00-3	ND	50	ug/L	03/22/95
2-Chloroethyl Vinyl Ether	110-75-8	ND	50	ug/L	03/22/95
Chloroform	67-66-3	ND	30	ug/L	03/22/95
Chloromethane	74-87-3	ND	50	ug/L	03/22/95
Dibromochloromethane	124-48-1	ND	30	ug/L	03/22/95
1,1-Dichloroethane	75-34-3	ND	30	ug/L	03/22/95
1,2-Dichloroethane	107-06-2	ND	30	ug/L	03/22/95
1,1-Dichloroethene	75-35-4	ND	30	ug/L	03/22/95
cis-1,2-Dichloroethene	156-59-2	ND	30	ug/L	03/22/95
trans-1,2-Dichloroethene	156-60-5	ND	30	ug/L	03/22/95
1,2-Dichloropropane	78-87-5	ND	30	ug/L	03/22/95
cis-1,3-Dichloropropene	10061-01-5	ND	30	ug/L	03/22/95
trans-1,3-Dichloropropene	10061-02-6	ND	30	ug/L	03/22/95
Ethylbenzene	100-41-4	460 *	30	ug/L	03/22/95
2-Hexanone	591-78-6	ND	300	ug/L	03/22/95
Methylene Chloride	75-09-2	ND	100	ug/L	03/22/95
4-Methyl-2-pentanone	108-10-1	ND	300	ug/L	03/22/95
Styrene	100-42-5	ND	30	ug/L	03/22/95
1,1,2,2-Tetrachloroethane	79-34-5	ND	30	ug/L	03/22/95
Tetrachloroethene	127-18-4	ND	30	ug/L	03/22/95
Toluene	108-88-3	ND	30	ug/L	03/22/95
1,1,1-Trichloroethane	71-55-6	ND	30	ug/L	03/22/95
1,1,2-Trichloroethane	79-00-5	ND	30	ug/L	03/22/95
Trichloroethene	79-01-6	ND	30	ug/L	03/22/95
Vinyl Acetate	108-05-4	ND	300	ug/L	03/22/95
Vinyl Chloride	75-01-4	ND	50	ug/L	03/22/95
Xylenes, Total	1330-20-7	150 *	50	ug/L	03/22/95

VAN BRUNT ASSOCIATES

SAMPLE ID: MW-3C
AEN LAB NO: 9503266-03
AEN WORK ORDER: 9503266
CLIENT PROJ. ID: EXXON GAS STA.

DATE SAMPLED: 03/15/95
DATE RECEIVED: 03/15/95
REPORT DATE: 03/29/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED

Reporting limits elevated due to high levels of target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: MW-3C
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9511990-04

Sampled: 11/14/95
Received: 11/14/95

Analyzed: 11/19/95
Reported: 11/22/95

QC Batch Number: GC111995801007A
Instrument ID: 5890-7

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	2.5	N.D.
Bromoform	2.5	N.D.
Bromomethane	5.0	N.D.
Carbon Tetrachloride	2.5	N.D.
Chlorobenzene	2.5	N.D.
Chloroethane	5.0	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	2.5	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	2.5	N.D.
1,2-Dichlorobenzene	2.5	N.D.
1,3-Dichlorobenzene	2.5	N.D.
1,4-Dichlorobenzene	2.5	N.D.
1,1-Dichloroethane	2.5	N.D.
1,2-Dichloroethane	2.5	N.D.
1,1-Dichloroethene	2.5	N.D.
cis-1,2-Dichloroethene	**2.5**	**50**
trans-1,2-Dichloroethene	2.5	N.D.
1,2-Dichloropropane	2.5	N.D.
cis-1,3-Dichloropropene	2.5	N.D.
trans-1,3-Dichloropropene	2.5	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	2.5	N.D.
Tetrachloroethene	2.5	N.D.
1,1,1-Trichloroethane	2.5	N.D.
1,1,2-Trichloroethane	2.5	N.D.
Trichloroethene	2.5	N.D.
Trichlorofluoromethane	2.5	N.D.
Vinyl chloride	5.0	N.D.

Surrogates	Control Limits %		% Recovery
Dibromodifluoromethane	50	150	90
4-Bromofluorobenzene	50	150	88

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

SEQUOIA ANALYTICAL - ELAP #1271

Vickie Tague Clark
Project Manager

VAN BRUNT ASSOCIATES

SAMPLE ID: MW-3D
AEN LAB NO: 9503266-04
AEN WORK ORDER: 9503266
CLIENT PROJ. ID: EXXON GAS STA.

DATE SAMPLED: 03/15/95
DATE RECEIVED: 03/15/95
REPORT DATE: 03/29/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
VOCs in Water by 8240	EPA 8240				
Acetone	67-64-1	ND	100	ug/L	03/22/95
Benzene	71-43-2	ND	5	ug/L	03/22/95
Bromodichloromethane	75-27-4	ND	5	ug/L	03/22/95
Bromoform	75-25-2	ND	5	ug/L	03/22/95
Bromomethane	74-83-9	ND	10	ug/L	03/22/95
2-Butanone	78-93-3	ND	100	ug/L	03/22/95
Carbon Disulfide	75-15-0	ND	10	ug/L	03/22/95
Carbon Tetrachloride	56-23-5	ND	5	ug/L	03/22/95
Chlorobenzene	108-90-7	ND	5	ug/L	03/22/95
Chloroethane	75-00-3	ND	10	ug/L	03/22/95
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/L	03/22/95
Chloroform	67-66-3	ND	5	ug/L	03/22/95
Chloromethane	74-87-3	ND	10	ug/L	03/22/95
Dibromochloromethane	124-48-1	ND	5	ug/L	03/22/95
1,1-Dichloroethane	75-34-3	ND	5	ug/L	03/22/95
1,2-Dichloroethane	107-06-2	ND	5	ug/L	03/22/95
1,1-Dichloroethene	75-35-4	ND	5	ug/L	03/22/95
cis-1,2-Dichloroethene	156-59-2	ND	5	ug/L	03/22/95
trans-1,2-Dichloroethene	156-60-5	ND	5	ug/L	03/22/95
1,2-Dichloropropane	78-87-5	ND	5	ug/L	03/22/95
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/L	03/22/95
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/L	03/22/95
Ethylbenzene	100-41-4	ND	5	ug/L	03/22/95
2-Hexanone	591-78-6	ND	50	ug/L	03/22/95
Methylene Chloride	75-09-2	ND	20	ug/L	03/22/95
4-Methyl-2-pentanone	108-10-1	ND	50	ug/L	03/22/95
Styrene	100-42-5	ND	5	ug/L	03/22/95
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/L	03/22/95
Tetrachloroethene	127-18-4	ND	5	ug/L	03/22/95
Toluene	108-88-3	ND	5	ug/L	03/22/95
1,1,1-Trichloroethane	71-55-6	ND	5	ug/L	03/22/95
1,1,2-Trichloroethane	79-00-5	ND	5	ug/L	03/22/95
Trichloroethene	79-01-6	ND	5	ug/L	03/22/95
Vinyl Acetate	108-05-4	ND	50	ug/L	03/22/95
Vinyl Chloride	75-01-4	ND	10	ug/L	03/22/95
Xylenes, Total	1330-20-7	ND	10	ug/L	03/22/95

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

VAN BRUNT ASSOCIATES

SAMPLE ID: MW-3E
AEN LAB NO: 9503266-05
AEN WORK ORDER: 9503266
CLIENT PROJ. ID: EXXON GAS STA.

DATE SAMPLED: 03/15/95
DATE RECEIVED: 03/15/95
REPORT DATE: 03/29/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
VOCs in Water by 8240	EPA 8240				
Acetone	67-64-1	ND	100	ug/L	03/22/95
Benzene	71-43-2	ND	5	ug/L	03/22/95
Bromodichloromethane	75-27-4	ND	5	ug/L	03/22/95
Bromoform	75-25-2	ND	5	ug/L	03/22/95
Bromomethane	74-83-9	ND	10	ug/L	03/22/95
2-Butanone	78-93-3	ND	100	ug/L	03/22/95
Carbon Disulfide	75-15-0	ND	10	ug/L	03/22/95
Carbon Tetrachloride	56-23-5	ND	5	ug/L	03/22/95
Chlorobenzene	108-90-7	ND	5	ug/L	03/22/95
Chloroethane	75-00-3	ND	10	ug/L	03/22/95
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/L	03/22/95
Chloroform	67-66-3	ND	5	ug/L	03/22/95
Chloromethane	74-87-3	ND	10	ug/L	03/22/95
Dibromochloromethane	124-48-1	ND	5	ug/L	03/22/95
1,1-Dichloroethane	75-34-3	ND	5	ug/L	03/22/95
1,2-Dichloroethane	107-06-2	ND	5	ug/L	03/22/95
1,1-Dichloroethene	75-35-4	ND	5	ug/L	03/22/95
cis-1,2-Dichloroethene	156-59-2	ND	5	ug/L	03/22/95
trans-1,2-Dichloroethene	156-60-5	ND	5	ug/L	03/22/95
1,2-Dichloropropane	78-87-5	ND	5	ug/L	03/22/95
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/L	03/22/95
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/L	03/22/95
Ethylbenzene	100-41-4	ND	5	ug/L	03/22/95
2-Hexanone	591-78-6	ND	50	ug/L	03/22/95
Methylene Chloride	75-09-2	ND	20	ug/L	03/22/95
4-Methyl-2-pentanone	108-10-1	ND	50	ug/L	03/22/95
Styrene	100-42-5	ND	5	ug/L	03/22/95
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/L	03/22/95
Tetrachloroethene	127-18-4	14 *	5	ug/L	03/22/95
Toluene	108-88-3	ND	5	ug/L	03/22/95
1,1,1-Trichloroethane	71-55-6	ND	5	ug/L	03/22/95
1,1,2-Trichloroethane	79-00-5	ND	5	ug/L	03/22/95
Trichloroethene	79-01-6	ND	5	ug/L	03/22/95
Vinyl Acetate	108-05-4	ND	50	ug/L	03/22/95
Vinyl Chloride	75-01-4	ND	10	ug/L	03/22/95
Xylenes, Total	1330-20-7	ND	10	ug/L	03/22/95

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

VAN BRUNT ASSOCIATES

SAMPLE ID: MW-3F
AEN LAB NO: 9503266-06
AEN WORK ORDER: 9503266
CLIENT PROJ. ID: EXXON GAS STA.

DATE SAMPLED: 03/15/95
DATE RECEIVED: 03/15/95
REPORT DATE: 03/29/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
VOCs in Water by 8240	EPA 8240				
Acetone	67-64-1	110 *	100	ug/L	03/22/95
Benzene	71-43-2	ND	5	ug/L	03/22/95
Bromodichloromethane	75-27-4	ND	5	ug/L	03/22/95
Bromoform	75-25-2	ND	5	ug/L	03/22/95
Bromomethane	74-83-9	ND	10	ug/L	03/22/95
2-Butanone	78-93-3	ND	100	ug/L	03/22/95
Carbon Disulfide	75-15-0	ND	10	ug/L	03/22/95
Carbon Tetrachloride	56-23-5	ND	5	ug/L	03/22/95
Chlorobenzene	108-90-7	ND	5	ug/L	03/22/95
Chloroethane	75-00-3	ND	10	ug/L	03/22/95
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/L	03/22/95
Chloroform	67-66-3	ND	5	ug/L	03/22/95
Chloromethane	74-87-3	ND	10	ug/L	03/22/95
Dibromochloromethane	124-48-1	ND	5	ug/L	03/22/95
1,1-Dichloroethane	75-34-3	ND	5	ug/L	03/22/95
1,2-Dichloroethane	107-06-2	ND	5	ug/L	03/22/95
1,1-Dichloroethene	75-35-4	ND	5	ug/L	03/22/95
cis-1,2-Dichloroethene	156-59-2	65 *	5	ug/L	03/22/95
trans-1,2-Dichloroethene	156-60-5	ND	5	ug/L	03/22/95
1,2-Dichloropropane	78-87-5	ND	5	ug/L	03/22/95
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/L	03/22/95
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/L	03/22/95
Ethylbenzene	100-41-4	ND	5	ug/L	03/22/95
2-Hexanone	591-78-6	ND	50	ug/L	03/22/95
Methylene Chloride	75-09-2	ND	20	ug/L	03/22/95
4-Methyl-2-pentanone	108-10-1	ND	50	ug/L	03/22/95
Styrene	100-42-5	ND	5	ug/L	03/22/95
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/L	03/22/95
Tetrachloroethene	127-18-4	42 *	5	ug/L	03/22/95
Toluene	108-88-3	ND	5	ug/L	03/22/95
1,1,1-Trichloroethane	71-55-6	ND	5	ug/L	03/22/95
1,1,2-Trichloroethane	79-00-5	ND	5	ug/L	03/22/95
Trichloroethene	79-01-6	29 *	5	ug/L	03/22/95
Vinyl Acetate	108-05-4	ND	50	ug/L	03/22/95
Vinyl Chloride	75-01-4	92 *	10	ug/L	03/22/95
Xylenes, Total	1330-20-7	ND	10	ug/L	03/22/95

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 11/14/95
1517 N. Main St., Ste. 204	Sample Descript: MW-3F	Received: 11/14/95
Walnut Creek, CA 94596	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 11/20/95
Attention: Mike Van Brunt	Lab Number: 9511990-03	Reported: 11/22/95

QC Batch Number: GC112095801007A
Instrument ID: 5890-7

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	**5.0**	**66**
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	**5.0**	**130**
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	**5.0**	**140**
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	**2.0**	**22**

Surrogates	Control Limits %		% Recovery
Dibromodifluoromethane	50	150	82
4-Bromofluorobenzene	50	150	85

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

SEQUOIA ANALYTICAL - ELAP #1271

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596
Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward

Lab Proj. ID: 9511990

Received: 11/14/95

Reported: 11/22/95

LABORATORY NARRATIVE

Method 8010: Sample MW-3F was analyzed on 11/19/95 and 11/20/95.

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

VAN BRUNT ASSOCIATES

SAMPLE ID: MW-3G
AEN LAB NO: 9503266-07
AEN WORK ORDER: 9503266
CLIENT PROJ. ID: EXXON GAS STA.

DATE SAMPLED: 03/15/95
DATE RECEIVED: 03/15/95
REPORT DATE: 03/29/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
VOCs in Water by 8240	**EPA 8240**				
Acetone	67-64-1	ND	100	ug/L	03/22/95
Benzene	71-43-2	ND	5	ug/L	03/22/95
Bromodichloromethane	75-27-4	ND	5	ug/L	03/22/95
Bromoform	75-25-2	ND	5	ug/L	03/22/95
Bromomethane	74-83-9	ND	10	ug/L	03/22/95
2-Butanone	78-93-3	ND	100	ug/L	03/22/95
Carbon Disulfide	75-15-0	ND	10	ug/L	03/22/95
Carbon Tetrachloride	56-23-5	ND	5	ug/L	03/22/95
Chlorobenzene	108-90-7	ND	5	ug/L	03/22/95
Chloroethane	75-00-3	ND	10	ug/L	03/22/95
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/L	03/22/95
Chloroform	67-66-3	ND	5	ug/L	03/22/95
Chloromethane	74-87-3	ND	10	ug/L	03/22/95
Dibromochloromethane	124-48-1	ND	5	ug/L	03/22/95
1,1-Dichloroethane	75-34-3	ND	5	ug/L	03/22/95
1,2-Dichloroethane	107-06-2	ND	5	ug/L	03/22/95
1,1-Dichloroethene	75-35-4	ND	5	ug/L	03/22/95
cis-1,2-Dichloroethene	156-59-2	5 *	5	ug/L	03/22/95
trans-1,2-Dichloroethene	156-60-5	ND	5	ug/L	03/22/95
1,2-Dichloropropane	78-87-5	ND	5	ug/L	03/22/95
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/L	03/22/95
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/L	03/22/95
Ethylbenzene	100-41-4	ND	5	ug/L	03/22/95
2-Hexanone	591-78-6	ND	50	ug/L	03/22/95
Methylene Chloride	75-09-2	ND	20	ug/L	03/22/95
4-Methyl-2-pentanone	108-10-1	ND	50	ug/L	03/22/95
Styrene	100-42-5	ND	5	ug/L	03/22/95
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/L	03/22/95
Tetrachloroethene	127-18-4	150 *	5	ug/L	03/22/95
Toluene	108-88-3	ND	5	ug/L	03/22/95
1,1,1-Trichloroethane	71-55-6	ND	5	ug/L	03/22/95
1,1,2-Trichloroethane	79-00-5	ND	5	ug/L	03/22/95
Trichloroethene	79-01-6	11 *	5	ug/L	03/22/95
Vinyl Acetate	108-05-4	ND	50	ug/L	03/22/95
Vinyl Chloride	75-01-4	ND	10	ug/L	03/22/95
Xylenes, Total	1330-20-7	ND	10	ug/L	03/22/95

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: MW-3G
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9511990-02

Sampled: 11/14/95
Received: 11/14/95

Analyzed: 11/19/95
Reported: 11/22/95

QC Batch Number: GC111995801007A
Instrument ID: 5890-7

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**140**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
Dibromodifluoromethane	50	150	63
4-Bromofluorobenzene	50	150	80

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

SEQUOIA ANALYTICAL - ELAP #1271

Vickie Tague Clark
Project Manager

VAN BRUNT ASSOCIATES

SAMPLE ID: MW-3H
AEN LAB NO: 9503266-08
AEN WORK ORDER: 9503266
CLIENT PROJ. ID: EXXON GAS STA.

DATE SAMPLED: 03/15/95
DATE RECEIVED: 03/15/95
REPORT DATE: 03/29/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
VOCs in Water by 8240	**EPA 8240**				
Acetone	67-64-1	ND	100	ug/L	03/22/95
Benzene	71-43-2	ND	5	ug/L	03/22/95
Bromodichloromethane	75-27-4	ND	5	ug/L	03/22/95
Bromoform	75-25-2	ND	5	ug/L	03/22/95
Bromomethane	74-83-9	ND	10	ug/L	03/22/95
2-Butanone	78-93-3	ND	100	ug/L	03/22/95
Carbon Disulfide	75-15-0	ND	10	ug/L	03/22/95
Carbon Tetrachloride	56-23-5	ND	5	ug/L	03/22/95
Chlorobenzene	108-90-7	ND	5	ug/L	03/22/95
Chloroethane	75-00-3	ND	10	ug/L	03/22/95
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/L	03/22/95
Chloroform	67-66-3	ND	5	ug/L	03/22/95
Chloromethane	74-87-3	ND	10	ug/L	03/22/95
Dibromochloromethane	124-48-1	ND	5	ug/L	03/22/95
1,1-Dichloroethane	75-34-3	ND	5	ug/L	03/22/95
1,2-Dichloroethane	107-06-2	ND	5	ug/L	03/22/95
1,1-Dichloroethene	75-35-4	ND	5	ug/L	03/22/95
cis-1,2-Dichloroethene	156-59-2	ND	5	ug/L	03/22/95
trans-1,2-Dichloroethene	156-60-5	ND	5	ug/L	03/22/95
1,2-Dichloropropane	78-87-5	ND	5	ug/L	03/22/95
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/L	03/22/95
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/L	03/22/95
Ethylbenzene	100-41-4	ND	5	ug/L	03/22/95
2-Hexanone	591-78-6	ND	50	ug/L	03/22/95
Methylene Chloride	75-09-2	ND	20	ug/L	03/22/95
4-Methyl-2-pentanone	108-10-1	ND	50	ug/L	03/22/95
Styrene	100-42-5	ND	5	ug/L	03/22/95
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/L	03/22/95
Tetrachloroethene	127-18-4	59 *	5	ug/L	03/22/95
Toluene	108-88-3	ND	5	ug/L	03/22/95
1,1,1-Trichloroethane	71-55-6	ND	5	ug/L	03/22/95
1,1,2-Trichloroethane	79-00-5	ND	5	ug/L	03/22/95
Trichloroethene	79-01-6	ND	5	ug/L	03/22/95
Vinyl Acetate	108-05-4	ND	50	ug/L	03/22/95
Vinyl Chloride	75-01-4	ND	10	ug/L	03/22/95
Xylenes, Total	1330-20-7	ND	10	ug/L	03/22/95

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9503266

CLIENT PROJECT ID: EXXON GAS STA.

Quality Control and Project Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spike(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory.

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analysis.

Reporting Limit (RL): The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behavior, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples. Surrogate recovery is monitored as an indication of acceptable sample preparation and instrumental performance.

D: Surrogates diluted out.

#: Indicates result outside of established laboratory QC limits.

QUALITY CONTROL DATA

METHOD: EPA 8240

AEN JOB NO: 9503266
INSTRUMENT: 12
MATRIX: WATER

Surrogate Standard Recovery Summary

Date Analyzed	Client Id.	Lab Id.	Percent Recovery 1,2-Dichloroethane-d_4	Toluene-d_8	p-Bromofluorobenzene
03/22/95	MW-3A	01	92	100	101
03/22/95	MW-3B	02	108	108	109
03/22/95	MW-3C	03	103	105	113
03/22/95	MW-3D	04	97	105	105
03/22/95	MW-3E	05	100	103	104
03/22/95	MW-3F	06	98	102	101
03/22/95	MW-3G	07	98	105	110
03/22/95	MW-3H	08	98	101	107
QC Limits:			90-133	88-111	90-117

DATE ANALYZED: 03/21/95
SAMPLE SPIKED: 9503244-03
INSTRUMENT: 12

Matrix Spike Recovery Summary

Analyte	Spike Added (ug/L)	Average Percent Recovery	RPD	QC Limits Percent Recovery	QC Limits RPD
1,1-Dichloroethene	50	130	4	80-133	15
Trichloroethene	50	106	7	81-118	13
Benzene	50	107	3	94-127	12
Toluene	50	104	1	88-114	15
Chlorobenzene	50	100	2	90-116	12

Daily method blanks for all associated analytical runs showed no contamination over the reporting limit.

END OF REPORT

R-3, S-2 9503266

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION
Exxon Gas station - West Winton + Hesperian, Hayward, CA

SAMPLER (S): (Signature)
[signature]

VAN BRUNT ASSOCIATES
1517 N. Main, Ste 204
Walnut Creek, CA 94596
(510) 685-5900 Phone
(510) 945-0606 Fax

ANALYSES REQUESTED

DATE	TIME	SAMPLE DESCRIPTION		NUMBER OF CONTAINERS	8240 VOCs							REMARKS
3-15-95	930	MW-3A	Water 01A-C	3	X							
↓	1:20	MW-3B	Water 02A-C	3	X							
	12:55	MW-3C	Water 03A-C	3	X							
	1000	MW-3D	Water 04A-C	3	X							
	10:30	MW-3E	Water 05A-C	3	X							
	1205	MW-3F	Water 06A-C	3	X							
	11:40	MW-3G	Water 07A-C	3	X							
	10:55	MW-3H	Water 08A-C	3	X							

Relinquished By: (Signature)	Date	Time	Received By: (Signature)
[signature]	3/15/95	15:35	Michael E. McMillan [signature]
Relinquished By: (Signature) Michael E. McMillan [signature]	3/15/95	1715	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	3/15/95	1715	Received For Laboratory By: (Signature) Lori L. Pruitt [signature]

REMARKS

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: MW-3H
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9511990-01

Sampled: 11/14/95
Received: 11/14/95

Analyzed: 11/19/95
Reported: 11/22/95

QC Batch Number: GC111995801007A
Instrument ID: 5890-7

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	2.0	N.D.
Carbon Tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethylvinyl ether	2.0	N.D.
Chloroform	1.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	1.0	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	1.0	N.D.
1,2-Dichloroethane	1.0	N.D.
1,1-Dichloroethene	1.0	N.D.
cis-1,2-Dichloroethene	1.0	N.D.
trans-1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	1.0	N.D.
cis-1,3-Dichloropropene	1.0	N.D.
trans-1,3-Dichloropropene	1.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	1.0	N.D.
Tetrachloroethene	**1.0**	**40**
1,1,1-Trichloroethane	1.0	N.D.
1,1,2-Trichloroethane	1.0	N.D.
Trichloroethene	1.0	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Surrogates	Control Limits %		% Recovery
Dibromodifluoromethane	50	150	68
4-Bromofluorobenzene	50	150	85

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

SEQUOIA ANALYTICAL - ELAP #1271

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: MW-AP1
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9511990-06

Sampled: 11/14/95
Received: 11/14/95

Analyzed: 11/20/95
Reported: 11/22/95

QC Batch Number: GC112095801007A
Instrument ID: 5890-7

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	20	N.D.
Carbon Tetrachloride	10	N.D.
Chlorobenzene	10	N.D.
Chloroethane	20	N.D.
2-Chloroethylvinyl ether	20	N.D.
Chloroform	10	N.D.
Chloromethane	20	N.D.
Dibromochloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	10	N.D.
cis-1,2-Dichloroethene	10	N.D.
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	**10**	**260**
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Trichlorofluoromethane	10	N.D.
Vinyl chloride	20	N.D.

Surrogates	Control Limits %		% Recovery
Dibromodifluoromethane	50	150	74
4-Bromofluorobenzene	50	150	77

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

SEQUOIA ANALYTICAL - ELAP #1271

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: MW-AP2
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9511990-05

Sampled: 11/14/95
Received: 11/14/95

Analyzed: 11/19/95
Reported: 11/22/95

QC Batch Number: GC111995801007A
Instrument ID: 5890-7

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**170**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
Dibromodifluoromethane	50	150	79
4-Bromofluorobenzene	50	150	80

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

SEQUOIA ANALYTICAL - ELAP #1271

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward

Lab Proj. ID: 9511990

Sampled: 11/14/95
Received: 11/14/95
Analyzed: see below

Reported: 11/22/95

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9511990-05				
Sample Desc : **LIQUID,MW-AP2**				
Total Dissolved Solids	**mg/L**	**11/20/95**	**1.0**	**750**

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Inchcape Testing Services
Anametrix Laboratories

1961 Concourse Drive
Suite E
San Jose, CA 95131
Tel: 408-432-8192
Fax: 408-432-8198

MR. MIKE VAN BRUNT
GLENN A. ROMIG CONSULTING ENGINEERS
P.O. BOX 6927
SAN CARLOS, CA 94070

Workorder # : 9511160
Date Received : 11/15/95
Project ID : AIRPORT PLAZA, H
Purchase Order: N/A

The following samples were received at Anametrix for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9511160- 1	M2-AP2

This report is organized in sections according to the specific Anametrix laboratory group which performed the analysis(es) and generated the data.

The results contained within this report relate to only the sample(s) tested. Additionally, these data should be considered in their entirety and Anametrix cannot be responsible for the detachment, separation, or otherwise partial use of this report.

Anametrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call your project manager as soon as possible. Thank you for using Inchcape Testing Services.

Susan Kraska Yeager
Laboratory Director

11/22/95
Date

Project Manager

This report consists of 12 pages.

GC VOA REPORT DESCRIPTION

Organic Analysis Data Sheets (OADS)
OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Inchcape Testing Services ID number.

Surrogate Recovery Summary (SRS)
SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*", and the total number of surrogates outside the limits will be listed in the column labeled "Total Out."

Matrix Spike Recovery Form (MSR)
MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers
Inchcape Testing Services uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- **U** - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- **B** - Indicates that the compound was detected in the associated method blank.
- **J** - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- **E** - Indicates that the reported amount exceeded the linear range of the instrument calibration.
- **D** - Indicates that the compound was detected in an analysis performed at a secondary dilution.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. MIKE VAN BRUNT
GLENN A. ROMIG CONSULTING ENGINEERS
P.O. BOX 6927
SAN CARLOS, CA 94070

Workorder # : 9511160
Date Received : 11/15/95
Project ID : AIRPORT PLAZA, HA
Purchase Order: N/A
Department : GC
Sub-Department: VOA

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9511160- 1	M2-AP2	WATER	11/14/95	8010

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. MIKE VAN BRUNT
GLENN A. ROMIG CONSULTING ENGINEERS
P.O. BOX 6927
SAN CARLOS, CA 94070

Workorder # : 9511160
Date Received : 11/15/95
Project ID : AIRPORT PLAZA, HA
Purchase Order: N/A
Department : GC
Sub-Department: VOA

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
- The percent recovery for Tetrachloroethene in the matrix spike/ matrix spike duplicate of sample M2-AP2 is outside of Anametrix control limits for EPA Method 8010.

Department Supervisor Date

Chemist Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8010
ANAMETRIX, INC. (408)432-8192

Project ID	: AIRPORT	Anametrix ID	: 9511160-01
Sample ID	: M2-AP2	Analyst	:
Matrix	: WATER	Supervisor	:
Date Sampled	:11/14/95		
Date Analyzed	:11/20/95	Dilution Factor	: 10.0
Instrument ID	: HP24	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
75-71-8	Dichlorodifluoromethane	10.	ND	U
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	5.0	ND	U
74-83-9	Bromomethane	5.0	ND	U
75-00-3	Chloroethane	5.0	ND	U
75-69-4	Trichlorofluoromethane	5.0	ND	U
76-13-1	Trichlorotrifluoroethane	5.0	ND	U
75-35-4	1,1-Dichloroethene	5.0	ND	U
75-09-2	Methylene chloride	10.	ND	U
156-60-5	trans-1,2-Dichloroethene	5.0	ND	U
75-34-3	1,1-Dichloroethane	5.0	ND	U
156-59-2	cis-1,2-Dichloroethene	5.0	ND	U
67-66-3	Chloroform	5.0	ND	U
71-55-6	1,1,1-Trichloroethane	5.0	ND	U
56-23-5	Carbon tetrachloride	5.0	ND	U
107-06-2	1,2-Dichloroethane	5.0	ND	U
79-01-6	Trichloroethene	5.0	ND	U
78-87-5	1,2-Dichloropropane	5.0	ND	U
75-27-4	Bromodichloromethane	5.0	ND	U
110-75-8	2-Chloroethylvinylether	10.	ND	U
10061-01-5	cis-1,3-Dichloropropene	5.0	ND	U
10061-02-6	trans-1,3-Dichloropropene	5.0	ND	U
79-00-5	1,1,2-Trichloroethane	5.0	ND	U
127-18-4	Tetrachloroethene	5.0	180.	
124-48-1	Dibromochloromethane	5.0	ND	U
108-90-7	Chlorobenzene	5.0	ND	U
75-25-2	Bromoform	5.0	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	ND	U
541-73-1	1,3-Dichlorobenzene	5.0	ND	U
106-46-7	1,4-Dichlorobenzene	5.0	ND	U
95-50-1	1,2-Dichlorobenzene	5.0	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8010
ANAMETRIX, INC. (408)432-8192

Project ID	: AIRPORT	Anametrix ID	: 9511160-01
Sample ID	: M2-AP2RE	Analyst	:
Matrix	: WATER	Supervisor	:
Date Sampled	:11/14/95		
Date Analyzed	:11/20/95	Dilution Factor	: 5.0
Instrument ID	: HP24	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
75-71-8	Dichlorodifluoromethane	5.0	ND	U
74-87-3	Chloromethane	5.0	ND	U
75-01-4	Vinyl chloride	2.5	ND	U
74-83-9	Bromomethane	2.5	ND	U
75-00-3	Chloroethane	2.5	ND	U
75-69-4	Trichlorofluoromethane	2.5	ND	U
76-13-1	Trichlorotrifluoroethane	2.5	ND	U
75-35-4	1,1-Dichloroethene	2.5	ND	U
75-09-2	Methylene chloride	5.0	ND	U
156-60-5	trans-1,2-Dichloroethene	2.5	ND	U
75-34-3	1,1-Dichloroethane	2.5	ND	U
156-59-2	cis-1,2-Dichloroethene	2.5	ND	U
67-66-3	Chloroform	2.5	ND	U
71-55-6	1,1,1-Trichloroethane	2.5	ND	U
56-23-5	Carbon tetrachloride	2.5	ND	U
107-06-2	1,2-Dichloroethane	2.5	ND	U
79-01-6	Trichloroethene	2.5	ND	U
78-87-5	1,2-Dichloropropane	2.5	ND	U
75-27-4	Bromodichloromethane	2.5	ND	U
110-75-8	2-Chloroethylvinylether	5.0	ND	U
10061-01-5	cis-1,3-Dichloropropene	2.5	ND	U
10061-02-6	trans-1,3-Dichloropropene	2.5	ND	U
79-00-5	1,1,2-Trichloroethane	2.5	ND	U
127-18-4	Tetrachloroethene	2.5	170.	
124-48-1	Dibromochloromethane	2.5	ND	U
108-90-7	Chlorobenzene	2.5	ND	U
75-25-2	Bromoform	2.5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	2.5	ND	U
541-73-1	1,3-Dichlorobenzene	2.5	ND	U
106-46-7	1,4-Dichlorobenzene	2.5	ND	U
95-50-1	1,2-Dichlorobenzene	2.5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8010
ANAMETRIX, INC. (408)432-8192

Project ID	: AIRPOR	Anametrix ID	: BN2002I1
Sample ID	: VBLKB1	Analyst	:
Matrix	: WATER	Supervisor	:
Date Sampled	: 0/ 0/ 0		
Date Analyzed	:11/20/95	Dilution Factor	: 1.0
Instrument ID	: HP24	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
75-71-8	Dichlorodifluoromethane	1.0	ND	U
74-87-3	Chloromethane	1.0	ND	U
75-01-4	Vinyl chloride	.50	ND	U
74-83-9	Bromomethane	.50	ND	U
75-00-3	Chloroethane	.50	ND	U
75-69-4	Trichlorofluoromethane	.50	ND	U
76-13-1	Trichlorotrifluoroethane	.50	ND	U
75-35-4	1,1-Dichloroethene	.50	ND	U
75-09-2	Methylene chloride	1.0	ND	U
156-60-5	trans-1,2-Dichloroethene	.50	ND	U
75-34-3	1,1-Dichloroethane	.50	ND	U
156-59-2	cis-1,2-Dichloroethene	.50	ND	U
67-66-3	Chloroform	.50	ND	U
71-55-6	1,1,1-Trichloroethane	.50	ND	U
56-23-5	Carbon tetrachloride	.50	ND	U
107-06-2	1,2-Dichloroethane	.50	ND	U
79-01-6	Trichloroethene	.50	ND	U
78-87-5	1,2-Dichloropropane	.50	ND	U
75-27-4	Bromodichloromethane	.50	ND	U
110-75-8	2-Chloroethylvinylether	1.0	ND	U
10061-01-5	cis-1,3-Dichloropropene	.50	ND	U
10061-02-6	trans-1,3-Dichloropropene	.50	ND	U
79-00-5	1,1,2-Trichloroethane	.50	ND	U
127-18-4	Tetrachloroethene	.50	ND	U
124-48-1	Dibromochloromethane	.50	ND	U
108-90-7	Chlorobenzene	.50	ND	U
75-25-2	Bromoform	.50	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	.50	ND	U
541-73-1	1,3-Dichlorobenzene	.50	ND	U
106-46-7	1,4-Dichlorobenzene	.50	ND	U
95-50-1	1,2-Dichlorobenzene	.50	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8010
ANAMETRIX, INC. (408)432-8192

Project ID : AIRPORT
Matrix : LIQUID

Anametrix ID : 9511160
Analyst : CB
Supervisor : DL

	SAMPLE ID	SU1	SU2	SU3
1	VBLKB1	71	90	89
2	M2-AP2	72	93	89
3	M2-AP2RE	70	92	88
4	M2-APMS	86	109	101
5	M2-APMSD	89	110	108
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

	QC LIMITS
SU1 = Bromochloromethane	(64-102)
SU2 = 1-Chloro-2-fluorobenze	(78-117)
SU3 = 2-Bromochlorobenzene	(73-112)

* Values outside of Anametrix QC limits

MATRIX SPIKE RECOVERY FORM -- EPA METHOD 8010
ANAMETRIX, INC. (408)432-8192

Project ID : AIRPORT
Sample ID : M2-AP2
Matrix : WATER
Date Sampled :11/14/95
Date Analyzed :11/20/95
Instrument ID : HP24

Anametrix ID : 9511160-01
Analyst :
Supervisor :

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	%REC LIMITS
Trichlorotrifluoroethan	100.0	.0	87.2	87	42-111
1,1-Dichloroethene	100.0	.0	91.0	91	47-128
trans-1,2-Dichloroethen	100.0	.0	85.9	86	63-110
1,1-Dichloroethane	100.0	.0	104.6	105	72-128
cis-1,2-Dichloroethene	100.0	.0	102.4	102	62-126
1,1,1-Trichloroethane	100.0	.0	86.7	87	65-128
Trichloroethene	100.0	.0	100.4	100	64-115
Tetrachloroethene	100.0	183.6	307.2	124 *	64-111
Chlorobenzene	100.0	.0	92.3	92	75-124
1,3-Dichlorobenzene	100.0	.0	91.4	91	68-119
1,4-Dichlorobenzene	100.0	.0	93.0	93	72-125
1,2-Dichlorobenzene	100.0	.0	98.7	99	70-131

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	RPD LIMITS	%REC LIMITS
Trichlorotrifluoroethan	100.0	90.5	91	4	16	42-111
1,1-Dichloroethene	100.0	91.3	91	0	14	47-128
trans-1,2-Dichloroethen	100.0	84.9	85	1	12	63-110
1,1-Dichloroethane	100.0	102.2	102	2	12	72-128
cis-1,2-Dichloroethene	100.0	106.4	106	4	17	62-126
1,1,1-Trichloroethane	100.0	90.0	90	4	25	65-128
Trichloroethene	100.0	102.4	102	2	24	64-115
Tetrachloroethene	100.0	316.7	133 *	7	12	64-111
Chlorobenzene	100.0	95.4	95	3	10	75-124
1,3-Dichlorobenzene	100.0	94.4	94	3	9	68-119
1,4-Dichlorobenzene	100.0	96.6	97	4	9	72-125
1,2-Dichlorobenzene	100.0	100.8	101	2	9	70-131

* Value is outside of Anametrix QC limits

RPD: 0 out of 12 outside limits
Spike Recovery: 2 out of 24 outside limits

EPA METHOD 8010
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

LABORATORY CONTROL SAMPLE

Sample ID: LAB CONTROL SAMPLE
Batch: 11160
Matrix: WATER
Date Analyzed: 11/20/95

Laboratory ID: MN2001I1
Instrument ID: HP24
Concentration Units: ug/L
Analyst:
Supervisor:

COMPOUND NAME	SPIKE AMOUNT	LCS REC	%REC LCS	%RECOVERY LIMITS
Trichlorotrifluoroethane	10	9.1	91%	65-116
1,1-Dichloroethene	10	10.0	100%	64-125
trans-1,2-Dichloroethene	10	9.0	90%	77-113
1,1-Dichloroethane	10	10.9	109%	85-129
cis-1,2-Dichloroethene	10	11.5	115%	78-130
1,1,1-Trichloroethane	10	9.5	95%	83-125
Trichloroethene	10	10.5	105%	76-124
Tetrachloroethene	10	9.0	90%	80-118
Chlorobenzene	10	9.2	92%	81-130
1,3-Dichlorobenzene	10	9.1	91%	82-115
1,4-Dichlorobenzene	10	9.1	91%	85-122
1,2-Dichlorobenzene	10	9.8	98%	86-122

SURROGATE NAME	SPIKE AMT	SURR. REC	% REC	% REC LIMITS
Bromochloromethane	5	4.5	90%	64-102
1-Chloro-2-fluorobenzene	5	5.2	104%	78-117
2-Bromochlorobenzene	5	4.8	96%	73-112

8566

9511160

16

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION: Airport Plaza, Hayward, CA

SAMPLER (S): (Signature) Glenn Romig

ANALYSES REQUESTED: 8010

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606
ATTN: Mike Van Brunt

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	8010	REMARKS
11/14/95	11:35	MW-AP2 Water	3	X	Normal Turnaround
					Please mail report to address above, but a copy and invoice to Glenn Romig (ES)

Relinquished By: (Signature)	Date	Time	Received By: (Signature)
	11/15/95	11:30	11-15-95 10:30
Relinquished By: (Signature)	11/15/95	1240	Received By: (Signature)
Relinquished By: (Signature)			Received By: (Signature)
Relinquished By: (Signature)	11/15/95	1240	Received For Laboratory By: (Signature)

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Yes
2. Will samples remain refrigerated until analyzed? Yes
3. Did any samples received for analysis have head space? No
4. Were samples in appropriate containers and properly packaged? Yes

Signature | Sample Custodian (Title) | 11/15/95 (Date)

Kahcape Testing Services
Environmental Laboratories

SAMPLE RECEIVING CHECKLIST

WORKORDER NUMBER: 9511160 CLIENT PROJECT ID: Airport Plaza, Hayward

COOLER

Shipping slip (airbill, etc.) present?	YES	NO	(N/A)
If YES, enter carrier name and airbill # : _____			
Custody Seal on the outside of cooler?	YES	NO	(N/A)
Condition: INTACT ____ BROKEN ____			
Temperature of sample (s) within range?	(YES)	NO	N/A
List temperature of cooler (s): 5°C			

SAMPLES

Chain of custody seal present for each container?	YES	NO	(N/A)
Condition: INTACT ____ BROKEN ____			
Samples arrived within holding time?	(YES)	NO	N/A
Samples in proper containers for methods requested?	(YES)	NO	
Condition of containers: INTACT ✓ BROKEN ____			
If NO, were samples transferred to proper container? ____			
Were VOA containers received with zero headspace?	(YES)	NO	N/A
If NO, was it noted on the chain of custody? ____			
Were container labels complete? (ID, date, time preservative, etc.)	(YES)	NO	
Were samples preserved with the proper preservative?	(YES)	NO	N/A
If NO, was the proper preservative added at time of receipt? ____			
pH check of samples required at time of receipt?	YES	(NO)	
If YES, pH checked and recorded by: ____			
Sufficient amount of sample received for methods requested?	(YES)	NO	
If NO, has the client or lab project manager been notified? ____			
Field blanks received with sample batch? # of Sets: ____	YES	NO	(N/A)
Trip blanks received with sample batch? # of Sets: ____	YES	NO	(N/A)

CHAIN OF CUSTODY

Chain of custody received with samples?	(YES)	NO
Has it been filled out completely and in ink?	(YES)	NO
Sample ID's on chain of custody agree with container labels?	(YES)	NO
Number of containers indicated on chain of custody agree with number received?	(YES)	NO
Analysis methods clearly specified?	(YES)	NO
Sampling date and time indicated?	(YES)	NO
Proper signatures of sampler, courier, sample custodian in appropriate place? with time and date?	(YES)	NO
Turnaround time? REGULAR ✓ RUSH ____		

Any NO response and/or any "BROKEN" that was checked must be detailed in the Corrective Action Form.

Sample Custodian: J.D. Date: 11/15/95 Project Manager: CWL Date: 11/17/95

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: MW-AP3
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9511990-07

Sampled: 11/14/95
Received: 11/14/95

Analyzed: 11/19/95
Reported: 11/22/95

QC Batch Number: GC111995801007A
Instrument ID: 5890-7

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	20	N.D.
Carbon Tetrachloride	10	N.D.
Chlorobenzene	10	N.D.
Chloroethane	20	N.D.
2-Chloroethylvinyl ether	20	N.D.
Chloroform	10	N.D.
Chloromethane	20	N.D.
Dibromochloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	10	N.D.
cis-1,2-Dichloroethene	10	N.D.
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	**10**	**350**
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Trichlorofluoromethane	10	N.D.
Vinyl chloride	20	N.D.

Surrogates	Control Limits %		% Recovery
Dibromodifluoromethane	50	150	79
4-Bromofluorobenzene	50	150	82

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

SEQUOIA ANALYTICAL - ELAP #1271

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 11/14/95
1517 N. Main St., Ste. 204	Sample Descript: MW-AP4	Received: 11/14/95
Walnut Creek, CA 94596	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 11/19/95
Attention: Mike Van Brunt	Lab Number: 9511990-08	Reported: 11/22/95

QC Batch Number: GC111995801007A
Instrument ID: 5890-7

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**140**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
Dibromodifluoromethane	50	150	73
4-Bromofluorobenzene	50	150	81

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

SEQUOIA ANALYTICAL - ELAP #1271

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: TB
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9511990-09

Sampled: 11/14/95
Received: 11/14/95

Analyzed: 11/19/95
Reported: 11/22/95

QC Batch Number: GC111995801007A
Instrument ID: 5890-7

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %		% Recovery
Dibromodifluoromethane	50	150	94
4-Bromofluorobenzene	50	150	89

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

SEQUOIA ANALYTICAL - ELAP #1271

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Project ID:	Airport Plaza, Hayward	
1517 N. Main St., Ste. 204	Matrix:	Liquid	
Walnut Creek, CA 94596			
Attention: Mike Van Brunt	Work Order #:	9511990 -05	Reported: Nov 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Total Dissolved Solids
QC Batch#:	IN112095160100A
Analy. Method:	EPA 160.1
Prep. Method:	N/A
Analyst:	S. Lee
MS/MSD #:	9511D4624
Sample Conc.:	400
Prepared Date:	11/20/95
Analyzed Date:	11/20/95
Instrument I.D.#:	Manual
Conc. Spiked:	250 mg/L
Result:	650
MS % Recovery:	100
Dup. Result:	650
MSD % Recov.:	100
RPD:	0.0
RPD Limit:	0-30

LCS #:	-
Prepared Date:	-
Analyzed Date:	-
Instrument I.D.#:	-
Conc. Spiked:	-
LCS Result:	-
LCS % Recov.:	-

MS/MSD	70-130
LCS	80-120
Control Limits	

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Project ID:	Airport Plaza, Hayward	
1517 N. Main St., Ste. 204	Matrix:	Liquid	
Walnut Creek, CA 94596			
Attention: Mike Van Brunt	Work Order #:	9511990-01-2, 4-5, 7-9	Reported: Nov 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC111995801007A	GC111995801007A	GC111995801007A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	I.Z.	I.Z.	I.Z.
MS/MSD #:	5111472	5111472	5111472
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	11/19/95	11/19/95	11/19/95
Analyzed Date:	11/19/95	11/19/95	11/19/95
Instrument I.D.#:	GCHP7	GCHP7	GCHP7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
Result:	10	12	9.4
MS % Recovery:	104	117	94
Dup. Result:	8.0	9.3	8.2
MSD % Recov.:	80	93	82
RPD:	26	23	14
RPD Limit:	0-30	0-30	0-30

LCS #:	LCS111995	LCS111995	LCS111995
Prepared Date:	11/19/95	11/19/95	11/19/95
Analyzed Date:	11/19/95	11/19/95	11/19/95
Instrument I.D.#:	GCHP7	GCHP7	GCHP7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
LCS Result:	8.8	9.3	7.4
LCS % Recov.:	88	93	74

MS/MSD LCS Control Limits	28-167	35-146	38-150

SEQUOIA ANALYTICAL
Elap #1271

Vickie Tague Clark
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Project ID:	Airport Plaza, Hayward	
1517 N. Main St., Ste. 204	Matrix:	Liquid	
Walnut Creek, CA 94596			
Attention: Mike Van Brunt	Work Order #:	9511990-03, 6	Reported: Nov 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC112095801007A	GC112095801007A	GC112095801007A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	I.Z.	I.Z.	I.Z.
MS/MSD #:	5111472	5111472	5111472
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	11/20/95	11/20/95	11/20/95
Analyzed Date:	11/20/95	11/20/95	11/20/95
Instrument I.D.#:	GCHP7	GCHP7	GCHP7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
Result:	7.6	8.3	7.0
MS % Recovery:	76	83	70
Dup. Result:	8.4	8.5	7.1
MSD % Recov.:	84	85	71
RPD:	10	2.4	1.4
RPD Limit:	0-30	0-30	0-30

LCS #:	LCS112095	LCS112095	LCS112095
Prepared Date:	11/20/95	11/20/95	11/20/95
Analyzed Date:	11/20/95	11/20/95	11/20/95
Instrument I.D.#:	GCHP7	GCHP7	GCHP7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
LCS Result:	7.6	8.4	7.0
LCS % Recov.:	76	84	70

MS/MSD LCS Control Limits	28-167	35-146	38-150

SEQUOIA ANALYTICAL
Elap #1271

Vickie Tague Clark
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION: Air Port Plaza, Hayward, CA

SAMPLER (S): (Signature) Glenn Romig 9/5/1990

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES REQUESTED: 8010	ANALYSES REQUESTED: Total Dissolved Solids	REMARKS
11/14/95	9:04	MW-3H Water	3	X		Normal Response 01
11/14/95	9:23	MW-3G "	3	X		02
11/14/95	9:40	MW-3F "	3	X		03
11/14/95	10:06	MW-3C "	3	X		04
11/14/95	11:35	MW-AP2 "	3	X		05
11/14/95	12:35	MW-AP1 "	3	X		06
11/14/95	1:51	MW-AP3 "	3	X		07
11/14/95	2:30	MW-AP4 "	3	X		08
11/14/95		Travel Blank "	2	X		09
11/14/95	11:35	MW-AP2 "	2 half liters		X	05

Relinquished By: (Signature)	Date	Time	Received By: (Signature)
[signature]	11/14/95	4:10pm	
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received For Laboratory By: (Signature) 11/14/95 1610

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Yes
2. Will samples remain refrigerated until analyzed? Yes
3. Did any samples received for analysis have head space? No
4. Were samples in appropriate containers and properly packaged? Yes

[signature] Signature — Title — 11/14/95 Date

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: HP-1
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9510C32-11

Sampled: 10/13/95
Received: 10/14/95

Analyzed: 10/25/95
Reported: 11/01/95

QC Batch Number: GC102495801024B
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	2.5	N.D.
Bromoform	2.5	N.D.
Bromomethane	5.0	N.D.
Carbon Tetrachloride	2.5	N.D.
Chlorobenzene	2.5	N.D.
Chloroethane	5.0	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	2.5	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	2.5	N.D.
1,2-Dichlorobenzene	2.5	N.D.
1,3-Dichlorobenzene	2.5	N.D.
1,4-Dichlorobenzene	2.5	N.D.
1,1-Dichloroethane	2.5	N.D.
1,2-Dichloroethane	2.5	N.D.
1,1-Dichloroethene	2.5	N.D.
cis-1,2-Dichloroethene	2.5	N.D.
trans-1,2-Dichloroethene	2.5	N.D.
1,2-Dichloropropane	2.5	N.D.
cis-1,3-Dichloropropene	2.5	N.D.
trans-1,3-Dichloropropene	2.5	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	2.5	N.D.
Tetrachloroethene	**2.5**	**190**
1,1,1-Trichloroethane	2.5	N.D.
1,1,2-Trichloroethane	2.5	N.D.
Trichloroethene	2.5	N.D.
Trichlorofluoromethane	2.5	N.D.
Vinyl chloride	5.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	78

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

80 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: HP-2
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9510C32-12

Sampled: 10/13/95
Received: 10/14/95

Analyzed: 10/25/95
Reported: 11/01/95

QC Batch Number: GC102495801024B
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	75

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

30 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: HP-3
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9510C32-10

Sampled: 10/13/95
Received: 10/14/95

Analyzed: 10/25/95
Reported: 11/01/95

QC Batch Number: GC102495801024B
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	**0.50**	**2.3**
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	77

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

80 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: HP-4
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9510C32-13

Sampled: 10/13/95
Received: 10/14/95

Analyzed: 10/26/95
Reported: 11/01/95

QC Batch Number: GC102495801024B
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	**0.50**	**2.9**
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	**0.50**	**0.58**
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	75

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: HP-5
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9510C32-16

Sampled: 10/13/95
Received: 10/14/95

Analyzed: 10/26/95
Reported: 11/01/95

QC Batch Number: GC102495801024B
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**230**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	71

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

30 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: HP-6
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9510C32-09

Sampled: 10/13/95
Received: 10/14/95

Analyzed: 10/25/95
Reported: 11/01/95

QC Batch Number: GC102495801024B
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	**0.50**	**9.9**
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	102

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

80 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: HP-7
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9510C32-06

Sampled: 10/13/95
Received: 10/14/95

Analyzed: 10/25/95
Reported: 11/01/95

QC Batch Number: GC102495801024B
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	2.5	N.D.
Bromoform	2.5	N.D.
Bromomethane	5.0	N.D.
Carbon Tetrachloride	2.5	N.D.
Chlorobenzene	2.5	N.D.
Chloroethane	5.0	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	2.5	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	2.5	N.D.
1,2-Dichlorobenzene	2.5	N.D.
1,3-Dichlorobenzene	2.5	N.D.
1,4-Dichlorobenzene	2.5	N.D.
1,1-Dichloroethane	2.5	N.D.
1,2-Dichloroethane	2.5	N.D.
1,1-Dichloroethene	2.5	N.D.
cis-1,2-Dichloroethene	2.5	N.D.
trans-1,2-Dichloroethene	2.5	N.D.
1,2-Dichloropropane	2.5	N.D.
cis-1,3-Dichloropropene	2.5	N.D.
trans-1,3-Dichloropropene	2.5	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	2.5	N.D.
Tetrachloroethene	2.5	N.D.
1,1,1-Trichloroethane	2.5	N.D.
1,1,2-Trichloroethane	2.5	N.D.
Trichloroethene	2.5	N.D.
Trichlorofluoromethane	2.5	N.D.
Vinyl chloride	5.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	88

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

30 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: HP-8
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9510C32-05

Sampled: 10/13/95
Received: 10/14/95

Analyzed: 10/25/95
Reported: 11/01/95

QC Batch Number: GC102495801024B
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	20	N.D.
Carbon Tetrachloride	10	N.D.
Chlorobenzene	10	N.D.
Chloroethane	20	N.D.
2-Chloroethylvinyl ether	20	N.D.
Chloroform	10	N.D.
Chloromethane	20	N.D.
Dibromochloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	10	N.D.
cis-1,2-Dichloroethene	**10**	**14**
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	10	N.D.
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Trichlorofluoromethane	10	N.D.
Vinyl chloride	20	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	93

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, 415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 10/13/95
1517 N. Main St., Ste. 204	Sample Descript: HP-9	Received: 10/14/95
Walnut Creek, CA 94596	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 10/25/95
Attention: Mike Van Brunt	Lab Number: 9510C32-01	Reported: 11/01/95

QC Batch Number: GC102495801024B
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	2.5	N.D.
Bromoform	2.5	N.D.
Bromomethane	5.0	N.D.
Carbon Tetrachloride	2.5	N.D.
Chlorobenzene	2.5	N.D.
Chloroethane	5.0	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	2.5	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	2.5	N.D.
1,2-Dichlorobenzene	2.5	N.D.
1,3-Dichlorobenzene	2.5	N.D.
1,4-Dichlorobenzene	2.5	N.D.
1,1-Dichloroethane	2.5	N.D.
1,2-Dichloroethane	2.5	N.D.
1,1-Dichloroethene	2.5	N.D.
cis-1,2-Dichloroethene	**2.5**	**2.5**
trans-1,2-Dichloroethene	2.5	N.D.
1,2-Dichloropropane	2.5	N.D.
cis-1,3-Dichloropropene	2.5	N.D.
trans-1,3-Dichloropropene	2.5	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	2.5	N.D.
Tetrachloroethene	**2.5**	**140**
1,1,1-Trichloroethane	2.5	N.D.
1,1,2-Trichloroethane	2.5	N.D.
Trichloroethene	**2.5**	**3.6**
Trichlorofluoromethane	2.5	N.D.
Vinyl chloride	5.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	102

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
2404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
2819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: HP-11
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9510C32-03

Sampled: 10/13/95
Received: 10/14/95

Analyzed: 10/25/95
Reported: 11/01/95

QC Batch Number: GC102495801008A
Instrument ID: GCHP8

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	1.3	N.D.
Bromoform	1.3	N.D.
Bromomethane	2.5	N.D.
Carbon Tetrachloride	1.3	N.D.
Chlorobenzene	1.3	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	1.3	N.D.
Chloromethane	2.5	N.D.
Dibromochloromethane	1.3	N.D.
1,2-Dichlorobenzene	1.3	N.D.
1,3-Dichlorobenzene	1.3	N.D.
1,4-Dichlorobenzene	1.3	N.D.
1,1-Dichloroethane	1.3	N.D.
1,2-Dichloroethane	1.3	N.D.
1,1-Dichloroethene	1.3	N.D.
cis-1,2-Dichloroethene	1.3	N.D.
trans-1,2-Dichloroethene	1.3	N.D.
1,2-Dichloropropane	1.3	N.D.
cis-1,3-Dichloropropene	1.3	N.D.
trans-1,3-Dichloropropene	1.3	N.D.
Methylene chloride	13	N.D.
1,1,2,2-Tetrachloroethane	1.3	N.D.
Tetrachloroethene	**1.3**	**87**
1,1,1-Trichloroethane	1.3	N.D.
1,1,2-Trichloroethane	1.3	N.D.
Trichloroethene	**1.3**	**1.3**
Trichlorofluoromethane	1.3	N.D.
Vinyl chloride	2.5	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	74

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

30 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: HP-12
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9510C32-04

Sampled: 10/13/95
Received: 10/14/95

Analyzed: 10/25/95
Reported: 11/01/95

QC Batch Number: GC102495801024B
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	2.5	N.D.
Bromoform	2.5	N.D.
Bromomethane	5.0	N.D.
Carbon Tetrachloride	2.5	N.D.
Chlorobenzene	2.5	N.D.
Chloroethane	5.0	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	**2.5**	**3.3**
Chloromethane	5.0	N.D.
Dibromochloromethane	2.5	N.D.
1,2-Dichlorobenzene	2.5	N.D.
1,3-Dichlorobenzene	2.5	N.D.
1,4-Dichlorobenzene	2.5	N.D.
1,1-Dichloroethane	2.5	N.D.
1,2-Dichloroethane	2.5	N.D.
1,1-Dichloroethene	2.5	N.D.
cis-1,2-Dichloroethene	**2.5**	**31**
trans-1,2-Dichloroethene	2.5	N.D.
1,2-Dichloropropane	2.5	N.D.
cis-1,3-Dichloropropene	2.5	N.D.
trans-1,3-Dichloropropene	2.5	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	2.5	N.D.
Tetrachloroethene	**2.5**	**99**
1,1,1-Trichloroethane	2.5	N.D.
1,1,2-Trichloroethane	2.5	N.D.
Trichloroethene	**2.5**	**9.2**
Trichlorofluoromethane	2.5	N.D.
Vinyl chloride	5.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	100

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: Travel Blank
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9510C32-17

Sampled: 10/13/95
Received: 10/14/95

Analyzed: 10/25/95
Reported: 11/01/95

QC Batch Number: GC102495801024B
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	70

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Project ID:	Airport Plaza, Hayward	
1517 N. Main St., Ste. 204	Matrix:	Liquid	
Walnut Creek, CA 94596			
Attention: Mike Van Brunt	Work Order #:	9510C32 -01-2, 4-6, 9-13, 16-17	Reported: Nov 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC102495801024B	GC102495801024B	GC102495801024B
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	D. Nelson	D. Nelson	D. Nelson
MS/MSD #:	9510E7202	9510E7202	9510E7202
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	10/24/95	10/24/95	10/24/95
Analyzed Date:	10/24/95	10/24/95	10/24/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L
Result:	26	20	24
MS % Recovery:	104	80	96
Dup. Result:	26	20	25
MSD % Recov.:	104	80	100
RPD:	0.0	0.0	4.1
RPD Limit:	0-50	0-50	0-50

LCS #:	BLK102495	BLK102495	BLK102495
Prepared Date:	10/24/95	10/24/95	10/24/95
Analyzed Date:	10/24/95	10/24/95	10/24/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L
LCS Result:	26	20	26
LCS % Recov.:	104	80	104

MS/MSD LCS Control Limits	28-167	35-146	38-150

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Project ID:	Airport Plaza, Hayward	
1517 N. Main St., Ste. 204	Matrix:	Liquid	
Walnut Creek, CA 94596			
Attention: Mike Van Brunt	Work Order #:	9510C32-03	Reported: Nov 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC102495801008A	GC102495801008A	GC102495801008A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Li	A. Li	A. Li
MS/MSD #:	951079024	951079024	951079024
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	10/24/95	10/24/95	10/24/95
Analyzed Date:	10/25/95	10/25/95	10/25/95
Instrument I.D.#:	GCHP8	GCHP8	GCHP8
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L
Result:	24	22	22
MS % Recovery:	96	88	88
Dup. Result:	26	23	24
MSD % Recov.:	104	92	96
RPD:	8.0	4.4	8.7
RPD Limit:	0-50	0-50	0-50

LCS #:	BLK102495	BLK102495	BLK102495
Prepared Date:	10/24/95	10/24/95	10/24/95
Analyzed Date:	10/25/95	10/25/95	10/25/95
Instrument I.D.#:	GCHP8	GCHP8	GCHP8
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L
LCS Result:	25	21	22
LCS % Recov.:	100	84	88

MS/MSD LCS Control Limits	28-167	35-146	38-150

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION: Airport Plaza, Hayward, CA

SAMPLER (S): (Signature) Glenn Ramig

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES REQUESTED: 8010 - Normal Turnaround							REMARKS
10/13/95	3:50 P.M.	HP-2 Ground Water	3	X						12	9510C32
10/13/95	4:15 PM	HP-4 " "	3	X						13	
10/13/95	4:35	HP-5 Soil 1°-1.5. Feet	1	X						14	
10/13/95	4:40	HP-5 Soil 4.0-4.5 Feet	1	X						15	
10/13/95	4:55	HP-5 Ground Water	3	X						16	
		Travel Blank	4	X						17	

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

Relinquished By: (Signature)	Date	Time	Received By: (Signature)
	10/14/95	9:30 a.m.	
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received For Laboratory By: (Signature)
	10/14/95	9:30	

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Yes
2. Will samples remain refrigerated until analyzed? Yes
3. Did any samples received for analysis have head space? NO
4. Were samples in appropriate containers and properly packaged? Yes

Signature — Sample Contro Tech (Title) — 10/14/95 (Date)

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION: Airport Plaza, Hayward, CA

SAMPLER (S): (Signature) Glenn Romig

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

ANALYSES REQUESTED: 8010 - Normal Turnaround

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	8010							REMARKS
10/13/95	8:55a.m	HP-9 Ground water	3	X						1	9510C32
10/13/95	9:40a.m	HP-10 " "	3	X						2	
10/13/95	10:45	HP-11 " "	3	X						3	
10/13/95	12:00	HP-12 " "	3	X						4	
10/13/95	12:50	HP-8 " "	3	X						5	
10/13/95	1:30	HP-7 So:1 1^{D} 1^{S}	1	X						~~6~~ 7	
10/13/95	1:30	HP-7 So:1 4^{D} 4^{S}	1	X						~~7~~ 8	
10/13/95	1:45	HP-7 Ground water	3	X						~~8~~ 6	
10/13/95	2:20	HP-6 " "	3	X						9	
10/13/95	2:55	HP-3 " "	3	X						10	
10/13/95	3:20	HP-1 " "	3	X						11	

Relinquished By: (Signature)	Date	Time	Received By: (Signature)
	10/14/95	9:30a.m	
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received For Laboratory By: (Signature)
	10/14/95	0930	

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? yes
2. Will samples remain refrigerated until analyzed? yes
3. Did any samples received for analysis have head space? no
4. Were samples in appropriate containers and properly packaged? yes

Signature: _____ Title: S.E.T. Date: 10/14/95

Sequoia Analytical

30 Chesapeake Drive, Redwood City, CA 94063, 415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 10/17/95
1517 N. Main St., Ste. 204	Sample Descript: SB-1 Groundwater	Received: 10/17/95
Walnut Creek, CA 94596	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 10/27/95
Attention: Mike Van Brunt	Lab Number: 9510C81-01	Reported: 11/01/95

QC Batch Number: GC102695801024A
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon Tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	**0.50**	**19**
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	99

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

30 Chesapeake Drive, Redwood City, CA 94063, 415) 364-9600, FAX 415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 10/17/95
1517 N. Main St., Ste. 204	Sample Descript: SB-2 Groundwater	Received: 10/17/95
Walnut Creek, CA 94596	Matrix: LIQUID	
	Analysis Method: EPA 8010	Analyzed: 10/27/95
Attention: Mike Van Brunt	Lab Number: 9510C81-02	Reported: 11/01/95

QC Batch Number: GC102695801024A
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	2.0	N.D.
Carbon Tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethylvinyl ether	2.0	N.D.
Chloroform	1.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	1.0	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	1.0	N.D.
1,2-Dichloroethane	1.0	N.D.
1,1-Dichloroethene	1.0	N.D.
cis-1,2-Dichloroethene	1.0	N.D.
trans-1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	1.0	N.D.
cis-1,3-Dichloropropene	1.0	N.D.
trans-1,3-Dichloropropene	1.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	1.0	N.D.
Tetrachloroethene	**1.0**	**53**
1,1,1-Trichloroethane	1.0	N.D.
1,1,2-Trichloroethane	1.0	N.D.
Trichloroethene	1.0	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	101

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

30 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: SB-3 Groundwater
Matrix: LIQUID
Analysis Method: EPA 8010
Lab Number: 9510C81-03

Sampled: 10/17/95
Received: 10/17/95

Analyzed: 10/27/95
Reported: 11/01/95

QC Batch Number: GC102695801024A
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	1.3	N.D.
Bromoform	1.3	N.D.
Bromomethane	2.5	N.D.
Carbon Tetrachloride	1.3	N.D.
Chlorobenzene	1.3	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	1.3	N.D.
Chloromethane	2.5	N.D.
Dibromochloromethane	1.3	N.D.
1,2-Dichlorobenzene	1.3	N.D.
1,3-Dichlorobenzene	1.3	N.D.
1,4-Dichlorobenzene	1.3	N.D.
1,1-Dichloroethane	1.3	N.D.
1,2-Dichloroethane	1.3	N.D.
1,1-Dichloroethene	1.3	N.D.
cis-1,2-Dichloroethene	1.3	N.D.
trans-1,2-Dichloroethene	1.3	N.D.
1,2-Dichloropropane	1.3	N.D.
cis-1,3-Dichloropropene	1.3	N.D.
trans-1,3-Dichloropropene	1.3	N.D.
Methylene chloride	13	N.D.
1,1,2,2-Tetrachloroethane	1.3	N.D.
Tetrachloroethene	**1.3**	**83**
1,1,1-Trichloroethane	1.3	N.D.
1,1,2-Trichloroethane	1.3	N.D.
Trichloroethene	1.3	N.D.
Trichlorofluoromethane	1.3	N.D.
Vinyl chloride	2.5	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	70	130	97

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

30 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Project ID:	Airport Plaza	
1517 N. Main St., Ste. 204	Matrix:	Liquid	
Walnut Creek, CA 94596			
Attention: Mike Van Brunt	Work Order #:	9510C81 -01-3	Reported: Nov 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC102695801024A	GC102695801024A	GC102695801024A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	D. Nelson	D. Nelson	D. Nelson
MS/MSD #:	9510C8101	9510C8101	9510C8101
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	10/26/95	10/26/95	10/26/95
Analyzed Date:	10/26/95	10/26/95	10/26/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L
Result:	22	17	23
MS % Recovery:	88	68	92
Dup. Result:	22	16	22
MSD % Recov.:	88	64	88
RPD:	0.0	6.1	4.4
RPD Limit:	0-50	0-50	0-50

LCS #:	BLK102695	BLK102695	BLK102695
Prepared Date:	10/26/95	10/26/95	10/26/95
Analyzed Date:	10/26/95	10/26/95	10/26/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L
LCS Result:	23	17	22
LCS % Recov.:	92	68	88

MS/MSD LCS Control Limits	28-167	35-146	38-150

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

CHAIN OF CUSTODY RECORD 9510C81

SITE NAME & LOCATION: Airport Plaza, Hayward, CA

SAMPLER (S): (Signature) Glenn Romig

ANALYSES REQUESTED

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	8010							REMARKS
10/17/95	4:00 pm	SB-1 Ground water	3	X		01	A-C				Normal Turnaround
10/17/95	4:35 pm	SB-2 " "	3	X		02					" "
10/17/95	4:55 pm	SB-3 " "	3	X		03					" "

	Date	Time	
Relinquished By: (Signature)	10/17/95	5:45 PM	Received By: (Signature)
Relinquished By: (Signature)			Received By: (Signature)
Relinquished By: (Signature)			Received By: (Signature)
Relinquished By: (Signature)	10/17/95	1745	Received For Laboratory By: (Signature)

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? yes
2. Will samples remain refrigerated until analyzed? yes
3. Did any samples received for analysis have head space? no
4. Were samples in appropriate containers and properly packaged? yes

Signature: [signature] Title: analyst Date: 10/17

Inchcape Testing Services
Anametrix Laboratories

1961 Concourse Drive
Suite E
San Jose, CA 95131
Tel: 408-432-8192
Fax: 408-432-8198

MR. GLENN A. ROMIG
GLENN A. ROMIG CONSULTING ENGINEERS
P.O. BOX 6927
SAN CARLOS, CA 94070

Workorder # : 9510232
Date Received : 10/19/95
Project ID : AIRPORT PLAZA
Purchase Order: N/A

The following samples were received at Anametrix for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9510232- 1	SB-3

This report is organized in sections according to the specific Anametrix laboratory group which performed the analysis(es) and generated the data.

The results contained within this report relate to only the sample(s) tested. Additionally, these data should be considered in their entirety and Anametrix cannot be responsible for the detachment, separation, or otherwise partial use of this report.

Anametrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call your project manager as soon as possible. Thank you for using Inchcape Testing Services.

Corinne Glaser for
Susan Kraska Yeager
Laboratory Director

10/30/95
Date

Cristina V Rayburn
Project Manager

This report consists of 11 pages.

GC VOA REPORT DESCRIPTION

Organic Analysis Data Sheets (OADS)
OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Inchcape Testing Services ID number.

Surrogate Recovery Summary (SRS)
SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*", and the total number of surrogates outside the limits will be listed in the column labeled "Total Out."

Matrix Spike Recovery Form (MSR)
MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers
Inchcape Testing Services uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- **U** - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- **B** - Indicates that the compound was detected in the associated method blank.
- **J** - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- **E** - Indicates that the reported amount exceeded the linear range of the instrument calibration.
- **D** - Indicates that the compound was detected in an analysis performed at a secondary dilution.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. GLENN A. ROMIG
GLENN A. ROMIG CONSULTING ENGINEERS
P.O. BOX 6927
SAN CARLOS, CA 94070

Workorder # : 9510232
Date Received : 10/19/95
Project ID : AIRPORT PLAZA
Purchase Order: N/A
Department : GC
Sub-Department: VOA

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9510232- 1	SB-3	WATER	10/17/95	8010

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. GLENN A. ROMIG
GLENN A. ROMIG CONSULTING ENGINEERS
P.O. BOX 6927
SAN CARLOS, CA 94070

Workorder # : 9510232
Date Received : 10/19/95
Project ID : AIRPORT PLAZA
Purchase Order: N/A
Department : GC
Sub-Department: VOA

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.

M. Hosseinian 10/26/95
Department Supervisor Date

Chemist 10/26/95
Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8010
ANAMETRIX, INC. (408)432-8192

Project ID : AIRPORT
Sample ID : SB-3
Matrix : WATER
Date Sampled :10/17/95
Date Analyzed :10/26/95
Instrument ID : HP24

Anametrix ID : 9510232-01
Analyst : KL
Supervisor : DL

Dilution Factor : 5.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
75-71-8	Dichlorodifluoromethane	5.0	ND	U
74-87-3	Chloromethane	5.0	ND	U
75-01-4	Vinyl chloride	2.5	ND	U
74-83-9	Bromomethane	2.5	ND	U
75-00-3	Chloroethane	2.5	ND	U
75-69-4	Trichlorofluoromethane	2.5	ND	U
76-13-1	Trichlorotrifluoroethane	2.5	ND	U
75-35-4	1,1-Dichloroethene	2.5	ND	U
75-09-2	Methylene chloride	5.0	ND	U
156-60-5	trans-1,2-Dichloroethene	2.5	ND	U
75-34-3	1,1-Dichloroethane	2.5	ND	U
156-59-2	cis-1,2-Dichloroethene	2.5	ND	U
67-66-3	Chloroform	2.5	ND	U
71-55-6	1,1,1-Trichloroethane	2.5	ND	U
56-23-5	Carbon tetrachloride	2.5	ND	U
107-06-2	1,2-Dichloroethane	2.5	ND	U
79-01-6	Trichloroethene	2.5	ND	U
78-87-5	1,2-Dichloropropane	2.5	ND	U
75-27-4	Bromodichloromethane	2.5	ND	U
110-75-8	2-Chloroethylvinylether	5.0	ND	U
10061-01-5	cis-1,3-Dichloropropene	2.5	ND	U
10061-02-6	trans-1,3-Dichloropropene	2.5	ND	U
79-00-5	1,1,2-Trichloroethane	2.5	ND	U
127-18-4	Tetrachloroethene	2.5	110.	
124-48-1	Dibromochloromethane	2.5	ND	U
108-90-7	Chlorobenzene	2.5	ND	U
75-25-2	Bromoform	2.5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	2.5	ND	U
541-73-1	1,3-Dichlorobenzene	2.5	ND	U
106-46-7	1,4-Dichlorobenzene	2.5	ND	U
95-50-1	1,2-Dichlorobenzene	2.5	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8010
ANAMETRIX, INC. (408)432-8192

Project ID : AIRPOR
Sample ID : VBLKB1
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Analyzed :10/26/95
Instrument ID : HP24

Anametrix ID : BO2601I1
Analyst : KC
Supervisor : DR

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
75-71-8	Dichlorodifluoromethane	1.0	ND	U
74-87-3	Chloromethane	1.0	ND	U
75-01-4	Vinyl chloride	.50	ND	U
74-83-9	Bromomethane	.50	ND	U
75-00-3	Chloroethane	.50	ND	U
75-69-4	Trichlorofluoromethane	.50	ND	U
76-13-1	Trichlorotrifluoroethane	.50	ND	U
75-35-4	1,1-Dichloroethene	.50	ND	U
75-09-2	Methylene chloride	1.0	ND	U
156-60-5	trans-1,2-Dichloroethene	.50	ND	U
75-34-3	1,1-Dichloroethane	.50	ND	U
156-59-2	cis-1,2-Dichloroethene	.50	ND	U
67-66-3	Chloroform	.50	ND	U
71-55-6	1,1,1-Trichloroethane	.50	ND	U
56-23-5	Carbon tetrachloride	.50	ND	U
107-06-2	1,2-Dichloroethane	.50	ND	U
79-01-6	Trichloroethene	.50	ND	U
78-87-5	1,2-Dichloropropane	.50	ND	U
75-27-4	Bromodichloromethane	.50	ND	U
110-75-8	2-Chloroethylvinylether	1.0	ND	U
10061-01-5	cis-1,3-Dichloropropene	.50	ND	U
10061-02-6	trans-1,3-Dichloropropene	.50	ND	U
79-00-5	1,1,2-Trichloroethane	.50	ND	U
127-18-4	Tetrachloroethene	.50	ND	U
124-48-1	Dibromochloromethane	.50	ND	U
108-90-7	Chlorobenzene	.50	ND	U
75-25-2	Bromoform	.50	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	.50	ND	U
541-73-1	1,3-Dichlorobenzene	.50	ND	U
106-46-7	1,4-Dichlorobenzene	.50	ND	U
95-50-1	1,2-Dichlorobenzene	.50	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8010
ANAMETRIX, INC. (408)432-8192

Project ID : AIRPORT
Matrix : LIQUID

Anametrix ID : 9510232
Analyst : KK
Supervisor : sh

	SAMPLE ID	SU1	SU2	SU3
1	VBLKB1	74	88	90
2	SB-3	86	109	103
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

	QC LIMITS
SU1 = Bromochloromethane	(64-102)
SU2 = 1-Chloro-2-fluorobenze	(78-117)
SU3 = 2-Bromochlorobenzene	(73-112)

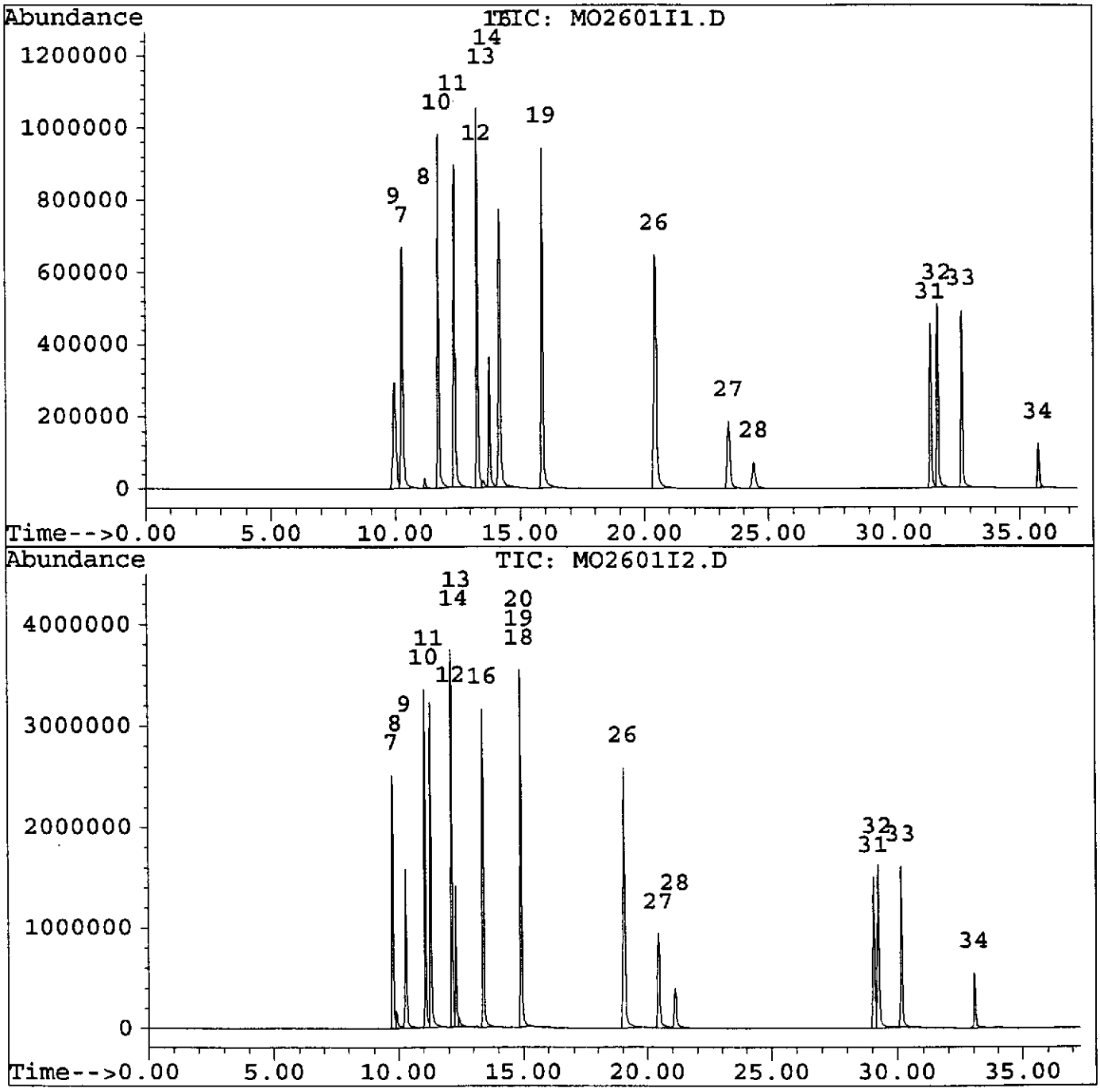
* Values outside of Anametrix QC limits

Quantitation Report

Signal #1 : J:\GCVOA\HP24\DATA\24O26I1A\MO2601I1.D
Signal #2 : J:\GCVOA\HP24\DATA\24O26I1A\MO2601I1.D\MO2601I2.D
Acq On : 26 Oct 95 07:39 AM Oper: KK
Sample : LCS @ 10ug/L Vial: 4
Misc : Solution ID #s: V0021 Mult: 1.0
Quant Time: Oct 26 8:28 1995

Method : J:\GCVOA\HP24\METHODS\24O23I1A.M
Title : EPA Methods 601/8010 Prim. & Conf. - Anametrix
Last Update : Tue Oct 24 13:11:43 1995
Response via : Multiple Level Calibration

Volume Inj. : 5 mL Instrument ID : HP24
Signal #1 Phase : RTx-502.2 Signal #2 Phase: RTx-1
Signal #1 Info : ELCD Signal #2 Info : ELCD



EPA METHOD 8010
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

LABORATORY CONTROL SAMPLE

Sample ID: LAB CONTROL SAMPLE
Batch: 10232
Matrix: WATER
Date Analyzed: 10/26/95

Laboratory ID: MO2601I1
Instrument ID: HP24
Concentration Units: ug/L
Analyst: KL
Supervisor: DK

COMPOUND NAME	SPIKE AMOUNT	LCS REC	%REC LCS	%RECOVERY LIMITS
Trichlorotrifluoroethane	10	9.8	98%	65-116
1,1-Dichloroethene	10	9.6	96%	64-125
trans-1,2-Dichloroethene	10	9.4	94%	77-113
1,1-Dichloroethane	10	10.4	104%	85-129
cis-1,2-Dichloroethene	10	10.7	107%	78-130
1,1,1-Trichloroethane	10	10.2	102%	83-125
Trichloroethene	10	10.8	108%	76-124
Tetrachloroethene	10	10.5	105%	80-118
Chlorobenzene	10	9.4	94%	81-130
1,3-Dichlorobenzene	10	10.0	100%	82-115
1,4-Dichlorobenzene	10	10.5	105%	85-122
1,2-Dichlorobenzene	10	10.5	105%	86-122

SURROGATE NAME	SPIKE AMT	SURR. REC	% REC	% REC LIMITS
Bromochloromethane	5	4.6	92%	64-102
1-Chloro-2-fluorobenzene	5	4.8	96%	78-117
2-Bromochlorobenzene	5	4.8	96%	73-112

261 451025.1 CHAIN OF CUSTODY RECORD (16)

SITE NAME & LOCATION: Airport Plaza, Hayward, CA

SAMPLER (S): (Signature) Glenn Romig

ANALYSES REQUESTED: 8010

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	8010							REMARKS
(1) 10/17/95	4:55 p.m.	SB-3 Ground water	3	X							

Relinquished By: (Signature)	Date	Time	Received By: (Signature)
	10/19/95	10:20 a.m.	Jenny S. Arroyo
Relinquished By: (Signature) Jenny S. Arroyo	10/19/95	15:45	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received For Laboratory By: (Signature) 10/19/95 1545

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice?
2. Will samples remain refrigerated until analyzed?
3. Did any samples received for analysis have head space?
4. Were samples in appropriate containers and properly packaged?

Signature | Title | Date

Inchcape Testing Services
Anametrix Laboratories

SAMPLE RECEIVING CHECKLIST

WORKORDER NUMBER: 9510232 CLIENT PROJECT ID: Airport Plaza

COOLER

Shipping slip (airbill, etc.) present?	YES	NO	(N/A)
If YES, enter carrier name and airbill # : ____			
Custody Seal on the outside of cooler?	YES	NO	(N/A)
Condition: INTACT ____ BROKEN ____			
Temperature of sample (s) within range?	(YES)	NO	N/A
List temperature of cooler (s): 5°			

SAMPLES

Chain of custody seal present for each container?	YES	NO	(N/A)
Condition: INTACT ____ BROKEN ____			
Samples arrived within holding time?	(YES)	NO	N/A
Samples in proper containers for methods requested?	(YES)	NO	
Condition of containers: INTACT ✓ BROKEN ____			
If NO, were samples transferred to proper container? ____			
Were VOA containers received with zero headspace?	(YES)	NO	N/A
If NO, was it noted on the chain of custody? ____			
Were container labels complete? (ID, date, time preservative, etc.)	(YES)	NO	
Were samples preserved with the proper preservative?	(YES)	NO	N/A
If NO, was the proper preservative added at time of receipt? ____			
pH check of samples required at time of receipt?	YES	(NO)	
If YES, pH checked and recorded by: ____			
Sufficient amount of sample received for methods requested?	(YES)	NO	
If NO, has the client or lab project manager been notified? ____			
Field blanks received with sample batch? # of Sets: ____	YES	NO	(N/A)
Trip blanks received with sample batch? # of Sets: ____	YES	NO	(N/A)

CHAIN OF CUSTODY

Chain of custody received with samples?	(YES)	NO
Has it been filled out completely and in ink?	(YES)	NO
Sample ID's on chain of custody agree with container labels?	(YES)	NO
Number of containers indicated on chain of custody agree with number received?	(YES)	NO
Analysis methods clearly specified?	(YES)	NO
Sampling date and time indicated?	(YES)	NO
Proper signatures of sampler, courier, sample custodian in appropriate place? with time and date?	(YES)	NO
Turnaround time? REGULAR 5 RUSH ____		

Any NO response and/or any "BROKEN" that was checked must be detailed in the Corrective Action Form.

Sample Custodian: [signature] Date: 10/19/95 Project Manager: CWN Date: 10/20/95

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: SB-1,1-1.5'
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9510B76-01

Sampled: 10/16/95
Received: 10/16/95
Extracted: 10/18/95
Analyzed: 10/19/95
Reported: 11/01/95

QC Batch Number: GC1018958010EXA
Instrument ID: GCHP9

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**160**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	94

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 10/16/95
1517 N. Main St., Ste. 204	Sample Descript: SB-1,4.5-5'	Received: 10/16/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 10/18/95
	Analysis Method: EPA 8010	Analyzed: 10/19/95
Attention: Mike Van Brunt	Lab Number: 9510B76-02	Reported: 11/01/95

QC Batch Number: GC1018958010EXA
Instrument ID: GCHP9

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**160**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	97

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Project ID:	Airport Plaza, Hayward	
1517 N. Main St., Ste. 204	Matrix:	Solid	
Walnut Creek, CA 94596			
Attention: Mike Van Brunt	Work Order #:	9510B76 -01-4	Reported: Nov 1, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC1018958010EXA	GC1018958010EXA	GC1018958010EXA
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	D. Nelson	D. Nelson	D. Nelson
MS/MSD #:	9510B7601	9510B7601	9510B7601
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	10/18/95	10/18/95	10/18/95
Analyzed Date:	10/19/95	10/19/95	10/19/95
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
Result:	22	28	23
MS % Recovery:	88	112	92
Dup. Result:	19	36	34
MSD % Recov.:	76	144	136
RPD:	15	25	39
RPD Limit:	0-50	0-50	0-50

LCS #:	BLK101895	BLK101895	BLK101895
Prepared Date:	10/18/95	10/18/95	10/18/95
Analyzed Date:	10/19/95	10/19/95	10/19/95
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
LCS Result:	21	30	24
LCS % Recov.:	84	120	96

MS/MSD LCS Control Limits	28-167	35-146	38-150

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike. MSD = MS Duplicate, RPD = Relative % Difference

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION: Airport Plaza, Hayward, CA

SAMPLER (S): (Signature) Glenn Romig

ANALYSES REQUESTED: 8010

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	8010	REMARKS
10/16/95	1:00 pm	SB-3 1.5 - 2.0 Soil	1	X	1 week turn around
10/16/95	1:10 pm	SB-3 4.0 - 4.5 Soil	1	X	" " "
10/16/95	1:20 pm	SB-3 8.0 - 8.5 Soil	1		Hold Pending initial Results
10/16/95	1:40 pm	SB-3 14.0 - 14.5 Soil	1		" " " "
10/16/95	1:55 pm	SB-3 18.0 - 18.5 Soil	1		" " " "
10/16/95	2:55 pm	Pipe (interior) water	3	X	2 week turn around
10/16/95	—	Trip Blank	4		Hold

	Date	Time	
Relinquished By: (Signature)	10/16/95	4:00pm	Received By: (Signature)
Relinquished By: (Signature)			Received By: (Signature)
Relinquished By: (Signature)			Received By: (Signature)
Relinquished By: (Signature)	10/16/95	1600	Received For Laboratory By: (Signature)

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? yes
2. Will samples remain refrigerated until analyzed? yes
3. Did any samples received for analysis have head space? no
4. Were samples in appropriate containers and properly packaged? yes

Signature | analyst (Title) | 10/16 (Date)

Sequoia Analytical

0 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: SB-1 8-8.5'
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9510J45-01

Sampled: 10/16/95
Received: 10/16/95
Extracted: 10/27/95
Analyzed: 10/27/95
Reported: 11/02/95

QC Batch Number: GC1027958010EXB
Instrument ID: GCHP9

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**160**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	99

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

0 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: SB-1 14-14.5'
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9510J45-02

Sampled: 10/16/95
Received: 10/16/95
Extracted: 10/27/95
Analyzed: 10/27/95
Reported: 11/02/95

QC Batch Number: GC1027958010EXB
Instrument ID: GCHP9

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**110**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	80

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

0 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: SB-1 18-18.5'
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9510J45-03

Sampled: 10/16/95
Received: 10/16/95
Extracted: 10/27/95
Analyzed: 10/27/95
Reported: 11/02/95

QC Batch Number: GC1027958010EXB
Instrument ID: GCHP9

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**130**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	80

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX 415 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX 510 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX 916 921-0100

Van Brunt Associates	Client Project ID:	Airport Plaza, Hayward	
1517 N. Main St., Ste. 204	Matrix:	Solid	
Walnut Creek, CA 94596			
Attention: Mike Van Brunt	Work Order #:	9510J45 -01-6	Reported: Nov 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC1027958010EXB	GC1027958010EXB	GC1027958010EXB
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	D. Nelson	D. Nelson	D. Nelson
MS/MSD #:	9510J4501	9510J4501	9510J4501
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	10/27/95	10/27/95	10/27/95
Analyzed Date:	10/27/95	10/27/95	10/27/95
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
Result:	24	37	39
MS % Recovery:	96	148	156
Dup. Result:	26	32	29
MSD % Recov.:	104	128	116
RPD:	8.0	14	29
RPD Limit:	0-50	0-50	0-50

LCS #:	BLK102795	BLK102795	BLK102795
Prepared Date:	10/27/95	10/27/95	10/27/95
Analyzed Date:	10/27/95	10/27/95	10/27/95
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
LCS Result:	29	33	29
LCS % Recov.:	116	132	116

MS/MSD LCS Control Limits	28-167	35-146	38-150

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION: Airport Plaza, Hayward, CA

SAMPLER (S): (Signature) Glenn Romig

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

9510345

ANALYSES REQUESTED

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	8010							REMARKS
10/16/95	8:35	SB-1 1'-1.5' Soil	1	X							1 wk turnaround
10/16/95	8:45	SB-1 4.5-5' "	1	X							" "
"	8:55	SB-1 8'-8.5' "	1								Hold Pending Initial Results
"	9:05	SB-1 14'-14.5' "	1								" " " "
"	9:25	SB-1 18'-18.5' "	1								" " " "
"	10:30	SB-2 1'-1.5' "	1	X							2 week Turnaround
"	10:40	SB-2 4'-4.5' "	1	X							" "
"	10:50	SB-2 8'-8.5' "	1	X							" "
"	11:00	SB-2 14'-14.5' "	1	X							" "
"	11:20	SB-2 18'-18.5' "	1	X							" "

Relinquished By: (Signature)	Date	Time	Received By: (Signature)
	10/16/95	4:00pm	
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received For Laboratory By: (Signature)
	10/16/95	1600	

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? yes
2. Will samples remain refrigerated until analyzed? yes
3. Did any samples received for analysis have head space? no
4. Were samples in appropriate containers and properly packaged? yes

Signature | analyst (Title) | 10/16/95 (Date)

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION: Airport Plaza, Hayward, CA

SAMPLER (S): (Signature) Glenn Romig

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

9510J45

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES REQUESTED: 8010	REMARKS
10/16/95	1:00 pm	SB-3 1.5 - 2.0 So:1	1	X	1 week turn around
10/16/95	1:10 pm	SB-3 4.0 - 4.5 So:1	1	X	" " "
10/16/95	1:20 pm	SB-3 8.0 - 8.5 So:1	1		Hold Pending initial Results
10/16/95	1:40 pm	SB-3 14.0 - 14.5 So:1	1		" " " "
10/16/95	1:55 pm	SB-3 18.0 - 18.5 So:1	1		" " " "
10/16/95	2:55 pm	Pipe (interior) water	3	X	2 week turn around
10/16/95	—	Trip Blank	4		Hold

Relinquished By: (Signature)	Date	Time	Received By: (Signature)
	10/16/95	4:00pm	
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received For Laboratory By: (Signature)
	10/16/95	1600	

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? yes
2. Will samples remain refrigerated until analyzed? yes
3. Did any samples received for analysis have head space? no
4. Were samples in appropriate containers and properly packaged? yes

Signature | analyst (Title) | 10/16 (Date)

Sequoia Analytical

:0 Chesapeake Drive, Redwood City, CA 94063, :15) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 10/16/95
1517 N. Main St., Ste. 204	Sample Descript: SB-2 1-1.5	Received: 10/16/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 10/23/95
	Analysis Method: EPA 8010	Analyzed: 10/25/95
Attention: Mike Van Brunt	Lab Number: 9510C33-01	Reported: 11/01/95

QC Batch Number: GC1023958010EXA
Instrument ID: GCHP9

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	100	N.D.
Carbon Tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	100	N.D.
2-Chloroethylvinyl ether	100	N.D.
Chloroform	50	N.D.
Chloromethane	100	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	50	N.D.
1,3-Dichlorobenzene	50	N.D.
1,4-Dichlorobenzene	50	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	500	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	**50**	**1400**
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	100	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	117

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

SEQUOIA ANALYTICAL - ELAP #1210

Donald M Nguyen for

Vickie Tague Clark
Project Manager

Sequoia Analytical

30 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 10/16/95
1517 N. Main St., Ste. 204	Sample Descript: SB-2 4-4.5	Received: 10/16/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 10/23/95
	Analysis Method: EPA 8010	Analyzed: 10/26/95
Attention: Mike Van Brunt	Lab Number: 9510C33-02	Reported: 11/01/95

QC Batch Number: GC1023958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	20	N.D.
Carbon Tetrachloride	10	N.D.
Chlorobenzene	10	N.D.
Chloroethane	20	N.D.
2-Chloroethylvinyl ether	20	N.D.
Chloroform	10	N.D.
Chloromethane	20	N.D.
Dibromochloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	10	N.D.
cis-1,2-Dichloroethene	10	N.D.
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	**10**	**210**
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Trichlorofluoromethane	10	N.D.
Vinyl chloride	20	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	78

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical
680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 10/16/95
1517 N. Main St., Ste. 204	Sample Descript: SB-2 8-8.5	Received: 10/16/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 10/23/95
	Analysis Method: EPA 8010	Analyzed: 10/26/95
Attention: Mike Van Brunt	Lab Number: 9510C33-03	Reported: 11/01/95

QC Batch Number: GC1023958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	20	N.D.
Carbon Tetrachloride	10	N.D.
Chlorobenzene	10	N.D.
Chloroethane	20	N.D.
2-Chloroethylvinyl ether	20	N.D.
Chloroform	10	N.D.
Chloromethane	20	N.D.
Dibromochloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	10	N.D.
cis-1,2-Dichloroethene	10	N.D.
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	**10**	**260**
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Trichlorofluoromethane	10	N.D.
Vinyl chloride	20	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	91

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive	Redwood City, CA 94063	(415) 364-9600	FAX (415) 364-9233
404 N. Wiget Lane	Walnut Creek, CA 94598	(510) 988-9600	FAX (510) 988-9673
819 Striker Avenue, Suite 8	Sacramento, CA 95834	(916) 921-9600	FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 10/16/95
1517 N. Main St., Ste. 204	Sample Descript: SB-2 14-14.5	Received: 10/16/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 10/23/95
	Analysis Method: EPA 8010	Analyzed: 10/26/95
Attention: Mike Van Brunt	Lab Number: 9510C33-04	Reported: 11/01/95

QC Batch Number: GC1023958010EXA
Instrument ID: GCHP8

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	20	N.D.
Carbon Tetrachloride	10	N.D.
Chlorobenzene	10	N.D.
Chloroethane	20	N.D.
2-Chloroethylvinyl ether	20	N.D.
Chloroform	10	N.D.
Chloromethane	20	N.D.
Dibromochloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	10	N.D.
cis-1,2-Dichloroethene	10	N.D.
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	**10**	**310**
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Trichlorofluoromethane	10	N.D.
Vinyl chloride	20	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	125

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

30 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 10/16/95
1517 N. Main St., Ste. 204	Sample Descript: SB-2 18-18.5	Received: 10/16/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 10/23/95
	Analysis Method: EPA 8010	Analyzed: 10/26/95
Attention: Mike Van Brunt	Lab Number: 9510C33-05	Reported: 11/01/95

QC Batch Number: GC1023958010EXA
Instrument ID: GCHP8

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	20	N.D.
Carbon Tetrachloride	10	N.D.
Chlorobenzene	10	N.D.
Chloroethane	20	N.D.
2-Chloroethylvinyl ether	20	N.D.
Chloroform	10	N.D.
Chloromethane	20	N.D.
Dibromochloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	10	N.D.
cis-1,2-Dichloroethene	10	N.D.
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	**10**	**240**
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Trichlorofluoromethane	10	N.D.
Vinyl chloride	20	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	90

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Project ID:	Airport Plaza, Hayward	
1517 N. Main St., Ste. 204	Matrix:	Solid	
Walnut Creek, CA 94596			
Attention: Mike Van Brunt	Work Order #:	9510C33 -01-5	Reported: Nov 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC1023958010EXA	GC1023958010EXA	GC1023958010EXA
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Li	A. Li	A. Li
MS/MSD #:	9510A4501	9510A4501	9510A4501
Sample Conc.:	N.D.	100	N.D.
Prepared Date:	10/23/95	10/23/95	10/23/95
Analyzed Date:	10/24/95	10/24/95	10/24/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
Result:	25	97	23
MS % Recovery:	100	0.0	92
Dup. Result:	24	69	21
MSD % Recov.:	96	0.0	84
SC RPD:		165	
SA RPD:	4.1	34	9.1
RPD Limit:	0-50	0-50	0-50

LCS #:	BLK102395	BLK102395	BLK102395
Prepared Date:	10/23/95	10/23/95	10/23/95
Analyzed Date:	10/24/95	10/24/95	10/24/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
LCS Result:	25	20	23
LCS % Recov.:	100	80	92

MS/MSD LCS Control Limits	28-167	35-146	38-150

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Project ID:	Airport Plaza, Hayward	
1517 N. Main St., Ste. 204	Matrix:	Liquid	
Walnut Creek, CA 94596			
Attention: Mike Van Brunt	Work Order #:	9510C33-06	Reported: Nov 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC102495801008A	GC102495801008A	GC102495801008A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Li	A. Li	A. Li
MS/MSD #:	951079024	951079024	951079024
Sample Conc.:	N.D.	100	N.D.
Prepared Date:	10/24/95	10/24/95	10/24/95
Analyzed Date:	10/25/95	10/25/95	10/25/95
Instrument I.D.#:	GCHP8	GCHP8	GCHP8
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L
Result:	24	22	22
MS % Recovery:	96	88	88
Dup. Result:	26	23	24
MSD % Recov.:	104	92	96
RPD:	8.0	4.4	8.7
RPD Limit:	0-50	0-50	0-50

LCS #:	BLK102495	BLK102495	BLK102495
Prepared Date:	10/24/95	10/24/95	10/24/95
Analyzed Date:	10/25/95	10/25/95	10/25/95
Instrument I.D.#:	GCHP8	GCHP8	GCHP8
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L
LCS Result:	25	21	22
LCS % Recov.:	100	84	88

MS/MSD LCS Control Limits	28-167	35-146	38-150

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION: Airport Plaza, Hayward, CA

SAMPLER (S): (Signature) Glenn Remig

ANALYSES REQUESTED: 8010

9510C33

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	8010						REMARKS
10/16/95	8:35	SB-1 1'-1.5' Soil	1	X						1 wk turnaround
10/16/95	8:45	SB-1 4.5'-5' "	1	X						" "
"	8:55	SB-1 8'-8.5' "	1							Hold Pending Initial Results
"	9:05	SB-1 14'-14.5' "	1							" " " "
"	9:25	SB-1 18'-18.5' "	1							" " " "
"	10:30	SB-2 1'-1.5' "	1	X					1	2 wk Turnaround
"	10:40	SB-2 4'-4.5' "	1	X					2	" "
"	10:50	SB-2 8'-8.5' "	1	X					3	" "
"	11:00	SB-2 14'-14.5' "	1	X					4	" "
"	11:20	SB-2 18'-18.5' "	1	X					5	" "

	Date	Time	
Relinquished By: (Signature)	10/16/95	4:00pm	Received By: (Signature)
Relinquished By: (Signature)			Received By: (Signature)
Relinquished By: (Signature)			Received By: (Signature)
Relinquished By: (Signature)	10/16/95	1600	Received For Laboratory By: (Signature)

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Yes
2. Will samples remain refrigerated until analyzed? Yes
3. Did any samples received for analysis have head space? No
4. Were samples in appropriate containers and properly packaged? Yes

Signature | analyst Title | 10/16/95 Date

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION: Airport Plaza, Hayward, CA

SAMPLER (S): (Signature) Glenn Romig

ANALYSES REQUESTED: 8010 | 9510C33

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	8010	9510C33	REMARKS
10/16/95	1:00 pm	SB-3 1.5 - 2.0 Soil	1	X		1 week turn around
10/16/95	1:10 pm	SB-3 4.0 - 4.5 Soil	1	X		" " "
10/16/95	1:20 pm	SB-3 8.0 - 8.5 Soil	1			Hold Pending initial Results
10/16/95	1:40 pm	SB-3 14.0 - 14.5 Soil	1			" " " "
10/16/95	1:55 pm	SB-3 18.0 - 18.5 Soil	1			" " " "
10/16/95	2:55 pm	Pipe (interior) water	3	X	6	2 week turn around
10/16/95	—	Trip Blank	4		7	Hold

Relinquished By: (Signature)	Date	Time	Received By: (Signature)
	10/16/95	4:00pm	
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received For Laboratory By: (Signature)
	10/16/95	1600	

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? yes
2. Will samples remain refrigerated until analyzed? yes
3. Did any samples received for analysis have head space? no
4. Were samples in appropriate containers and properly packaged? yes

Signature | analyst (Title) | 10/16 (Date)

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 10/16/95
1517 N. Main St., Ste. 204	Sample Descript: SB-3,1.5-2'	Received: 10/16/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 10/18/95
	Analysis Method: EPA 8010	Analyzed: 10/19/95
Attention: Mike Van Brunt	Lab Number: 9510B76-03	Reported: 11/01/95

QC Batch Number: GC1018958010EXA
Instrument ID: GCHP9

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	94

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 10/16/95
1517 N. Main St., Ste. 204	Sample Descript: SB-3,4-4.5'	Received: 10/16/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 10/18/95
	Analysis Method: EPA 8010	Analyzed: 10/19/95
Attention: Mike Van Brunt	Lab Number: 9510B76-04	Reported: 11/01/95

QC Batch Number: GC1018958010EXA
Instrument ID: GCHP9

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**8.0**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	92

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

0 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: SB-3 8-8.5'
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9510J45-04

Sampled: 10/16/95
Received: 10/16/95
Extracted: 10/27/95
Analyzed: 10/27/95
Reported: 11/02/95

QC Batch Number: GC1027958010EXB
Instrument ID: GCHP9

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**7.9**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	91

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

SEQUOIA ANALYTICAL - ELAP #1210

Donald Wagner for

Vickie Tague Clark
Project Manager

Sequoia Analytical

.0 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: SB-3 14-14.5'
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9510J45-05

Sampled: 10/16/95
Received: 10/16/95
Extracted: 10/27/95
Analyzed: 10/27/95
Reported: 11/02/95

QC Batch Number: GC1027958010EXB
Instrument ID: GCHP9

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**9.8**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	83

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

30 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: SB-3 18-18.5'
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9510J45-06

Sampled: 10/16/95
Received: 10/16/95
Extracted: 10/27/95
Analyzed: 10/27/95
Reported: 11/02/95

QC Batch Number: GC1027958010EXB
Instrument ID: GCHP9

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**5.3**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	65

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

.0 Chesapeake Drive, Redwood City, CA 94063, .15) 364-960(, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Project ID:	Airport Plaza, Hayward	
1517 N. Main St., Ste. 204	Matrix:	Solid	
Walnut Creek, CA 94596			
Attention: Mike Van Brunt	Work Order #:	9510B76 -01-4	Reported: Nov 1, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC1018958010EXA	GC1018958010EXA	GC1018958010EXA
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	D. Nelson	D. Nelson	D. Nelson
MS/MSD #:	9510B7601	9510B7601	9510B7601
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	10/18/95	10/18/95	10/18/95
Analyzed Date:	10/19/95	10/19/95	10/19/95
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
Result:	22	28	23
MS % Recovery:	88	112	92
Dup. Result:	19	36	34
MSD % Recov.:	76	144	136
RPD:	15	25	39
RPD Limit:	0-50	0-50	0-50
LCS #:	BLK101895	BLK101895	BLK101895
Prepared Date:	10/18/95	10/18/95	10/18/95
Analyzed Date:	10/19/95	10/19/95	10/19/95
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
LCS Result:	21	30	24
LCS % Recov.:	84	120	96
MS/MSD LCS Control Limits	28-167	35-146	38-150

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596
Attention: Mike Van Brunt

Client Project ID: Airport Plaza, Hayward
Matrix: Solid
Work Order #: 9510J45 -01-6

Reported: Nov 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC1027958010EXB	GC1027958010EXB	GC1027958010EXB
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	D. Nelson	D. Nelson	D. Nelson
MS/MSD #:	9510J4501	9510J4501	9510J4501
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	10/27/95	10/27/95	10/27/95
Analyzed Date:	10/27/95	10/27/95	10/27/95
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
Result:	24	37	39
MS % Recovery:	96	148	156
Dup. Result:	26	32	29
MSD % Recov.:	104	128	116
RPD:	8.0	14	29
RPD Limit:	0-50	0-50	0-50
LCS #:	BLK102795	BLK102795	BLK102795
Prepared Date:	10/27/95	10/27/95	10/27/95
Analyzed Date:	10/27/95	10/27/95	10/27/95
Instrument I.D.#:	GCHP9	GCHP9	GCHP9
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
LCS Result:	29	33	29
LCS % Recov.:	116	132	116
MS/MSD LCS Control Limits	28-167	35-146	38-150

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION: Airport Plaza, Hayward, CA

SAMPLER (S): (Signature) Glenn Romig

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES REQUESTED: 8010	REMARKS
10/16/95	1:00 pm	SB-3 1.5 - 2.0 Soil	1	X	1 week turn around
10/16/95	1:10 pm	SB-3 4.0 - 4.5 Soil	1	X	" " "
10/16/95	1:20 pm	SB-3 8.0 - 8.5 Soil	1		Hold Pending initial Results
10/16/95	1:40 pm	SB-3 14.0 - 14.5 Soil	1		" " " "
10/16/95	1:55 pm	SB-3 18.0 - 18.5 Soil	1		" " " "
10/16/95	2:55 pm	Pipe (interior) water	3	X	2 week turn around
10/16/95	—	Trip Blank	4		Hold

	Date	Time	
Relinquished By: (Signature)	10/16/95	4:00pm	Received By: (Signature)
Relinquished By: (Signature)			Received By: (Signature)
Relinquished By: (Signature)			Received By: (Signature)
Relinquished By: (Signature)	10/16/95	1600	Received For Laboratory By: (Signature)

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? yes
2. Will samples remain refrigerated until analyzed? yes
3. Did any samples received for analysis have head space? no
4. Were samples in appropriate containers and properly packaged? yes

Signature | analyst (Title) | 10/16 (Date)

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION: Airport Plaza, Hayward, CA

SAMPLER (S): (Signature) Glenn Romig

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

9510J45

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES REQUESTED 8010	REMARKS
10/16/95	1:00 pm	SB-3 1.5 - 2.0 Soil	1	X	1 week turn around
10/16/95	1:10 pm	SB-3 4.0 - 4.5 Soil	1	X	" " "
10/16/95	1:20 pm	SB-3 8.0 - 8.5 Soil	1		Hold Pending initial Results
10/16/95	1:40 pm	SB-3 14.0 - 14.5 Soil	1		" " " "
10/16/95	1:55 pm	SB-3 18.0 - 18.5 Soil	1		" " " "
10/16/95	2:55 pm	Pipe (interior) water	3	X	2 week turn around
10/16/95	—	Trip Blank	4		Hold

Relinquished By: (Signature)	Date	Time	Received By: (Signature)
	10/16/95	4:20pm	
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received For Laboratory By: (Signature)
	10/16/95	1600	

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? yes
2. Will samples remain refrigerated until analyzed? yes
3. Did any samples received for analysis have head space? no
4. Were samples in appropriate containers and properly packaged? yes

Signature | analyst Title | 10/16 Date

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza	Sampled: 11/27/95
1517 N. Main St., Ste. 204	Sample Descript: SB-4 1.5-2.0'	Received: 11/27/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 11/29/95
	Analysis Method: EPA 8010	Analyzed: 11/29/95
Attention: Mike Van Brunt	Lab Number: 9511H86-01	Reported: 12/05/95

QC Batch Number: GC1127958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	66
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	90

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION: Airport Plaza, Hayward, CA

SAMPLER (S): (Signature) Glenn Ranig

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

9510345

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES REQUESTED: 8010	REMARKS
10/16/95	8:35	SB-1 1'-1.5' Soil	1	X	1 wk turnaround
10/16/95	8:45	SB-1 4.5'-5' "	1	X	" "
"	8:55	SB-1 8'-8.5' "	1		Hold Pending Initial Results
"	9:05	SB-1 14'-14.5' "	1		" " " "
"	9:25	SB-1 18'-18.5' "	1		" " " "
"	10:30	SB-2 1'-1.5' "	1	X	2 week Turnaround
"	10:40	SB-2 4'-4.5' "	1	X	" "
"	10:50	SB-2 8'-8.5' "	1	X	" "
"	11:00	SB-2 14'-14.5' "	1	X	" "
"	11:20	SB-2 18'-18.5' "	1	X	" "

	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	10/16/95	4:00pm	
Relinquished By: (Signature)			
Relinquished By: (Signature)			
Relinquished By: (Signature)	10/16/95	1600	Received For Laboratory By: (Signature)

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Yes
2. Will samples remain refrigerated until analyzed? Yes
3. Did any samples received for analysis have head space? No
4. Were samples in appropriate containers and properly packaged? Yes

Signature | analyst (Title) | 10/16/95 (Date)

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza	Sampled: 11/27/95
1517 N. Main St., Ste. 204	Sample Descript: SB-4 3.5-4.0'	Received: 11/27/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 11/29/95
	Analysis Method: EPA 8010	Analyzed: 11/29/95
Attention: Mike Van Brunt	Lab Number: 9511H86-02	Reported: 12/05/95

QC Batch Number: GC1127958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**56**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	89

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza
Sample Descript: SB-4 6.5-7.0'
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9511H86-03

Sampled: 11/27/95
Received: 11/27/95
Extracted: 11/29/95
Analyzed: 11/29/95
Reported: 12/05/95

QC Batch Number: GC1127958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**33**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	94

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza
Sample Descript: SB4 14.0-14.5
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9512131-01

Sampled: 11/27/95
Received: 12/04/95
Extracted: 12/05/95
Analyzed: 12/06/95
Reported: 12/08/95

QC Batch Number: GC1129958010EXA
Instrument ID: GC4P04

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Result ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %	% Recovery
1-Chloro-2-fluorobenzene	130	91

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

SENT BY: XEROX Telecopier ...

Sequoia Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza	Sampled: 11/27/95
1517 N. Main St., Ste. 204	Sample Descript: SB4 18.5-19.0	Received: 12/04/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 12/05/95
	Analysis Method: EPA 8010	Analyzed: 12/06/95
Attention: Mike Van Brunt	Lab Number: 9512131-02	Reported: 12/08/95

QC Batch Number: GC1129958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**42**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	50	130	99

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza
Sample Descript: SB-5 1.5-2.0'
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9511H86-04

Sampled: 11/27/95
Received: 11/27/95
Extracted: 11/28/95
Analyzed: 11/29/95
Reported: 12/05/95

QC Batch Number: GC1127958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	90

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza	Sampled: 11/27/95
1517 N. Main St., Ste. 204	Sample Descript: SB-5 2.5-3.0'	Received: 11/27/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 11/29/95
	Analysis Method: EPA 8010	Analyzed: 11/29/95
Attention: Mike Van Brunt	Lab Number: 9511H86-05	Reported: 12/05/95

QC Batch Number: GC1127958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

	ug/kg	ug/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3 Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**7.4**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	95

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza	Sampled: 11/27/95
1517 N. Main St., Ste. 204	Sample Descript: SB-5 7.0-7.5'	Received: 11/27/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 11/29/95
	Analysis Method: EPA 8010	Analyzed: 11/29/95
Attention: Mike Van Brunt	Lab Number: 9511H86-06	Reported: 12/05/95

QC Batch Number: GC1127958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	15
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	88

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza
Sample Descript: SB5 9.5-10.0
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9512131-03

Sampled: 11/27/95
Received: 12/04/95
Extracted: 12/05/95
Analyzed: 12/06/95
Reported: 12/08/95

QC Batch Number: GC112995801 0EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**16**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	93

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza
Sample Descript: SB5 14.5-15.0
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9512131-04

Sampled: 11/27/95
Received: 12/04/95
Extracted: 12/05/95
Analyzed: 12/06/95
Reported: 12/08/95

QC Batch Number: GC1129958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**8.9**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	85

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza	Sampled: 11/27/95
1517 N. Main St., Ste. 204	Sample Descript: SB-6 1.5-2.0'	Received: 11/27/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 11/29/95
	Analysis Method: EPA 8010	Analyzed: 11/29/95
Attention: Mike Van Brunt	Lab Number: 9511H86-07	Reported: 12/05/95

QC Batch Number: GC1127958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	97

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza	Sampled: 11/27/95
1517 N. Main St., Ste. 204	Sample Descript: SB-6 3.5-4.0'	Received: 11/27/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 11/29/95
	Analysis Method: EPA 8010	Analyzed: 11/29/95
Attention: Mike Van Brunt	Lab Number: 9511H86-08	Reported: 12/05/95

QC Batch Number: GC1127958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
[illegible]	[illegible]	[illegible]
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	94

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza	Sampled: 11/27/95
1517 N. Main St., Ste. 204	Sample Descript: SB-6 7.0-7.5'	Received: 11/27/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 11/29/95
	Analysis Method: EPA 8010	Analyzed: 11/29/95
Attention: Mike Van Brunt	Lab Number: 9511H86-09	Reported: 12/05/95

QC Batch Number: GC1127958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	96

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza	Sampled: 11/27/95
1517 N. Main St., Ste. 204	Sample Descript: SB-7 2.0-2.5'	Received: 11/27/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 11/29/95
	Analysis Method: EPA 8010	Analyzed: 11/30/95
Attention: Mike Van Brunt	Lab Number: 9511H86-10	Reported: 12/05/95

QC Batch Number: GC1127958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	98

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza
Sample Descript: SB-7 4.5-5.0'
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9511H86-11

Sampled: 11/27/95
Received: 11/27/95
Extracted: 11/29/95
Analyzed: 11/30/95
Reported: 12/05/95

QC Batch Number: GC112795B010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
[illegible]	[illegible]	[illegible]
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	99

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza	Sampled: 11/27/95
1517 N. Main St., Ste. 204	Sample Descript: SB-7 7.0-7.5'	Received: 11/27/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 11/29/95
	Analysis Method: EPA 8010	Analyzed: 11/30/95
Attention: Mike Van Brunt	Lab Number: 9511H86-12	Reported: 12/05/95

QC Batch Number: GC1127958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	103

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
[illegible], Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza	Sampled: 11/27/95
1517 N. Main St., Ste. 204	Sample Descript: SB-8 1.5-2.0'	Received: 11/27/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 11/29/95
	Analysis Method: EPA 8010	Analyzed: 11/30/95
Attention: Mike Van Brunt	Lab Number: 9511H86-13	Reported: 12/05/95

QC Batch Number: GC1127958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	102

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza	Sampled: 11/27/95
1517 N. Main St., Ste. 204	Sample Descript: SB-8 4.0-4.5'	Received: 11/27/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 11/29/95
	Analysis Method: EPA 8010	Analyzed: 11/30/95
Attention: Mike Van Brunt	Lab Number: 9511H86-14	Reported: 12/05/95

QC Batch Number: GC112795B010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	103

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza
Sample Descript: SB-8 7.0-7.5'
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9511H86-15

Sampled: 11/27/95
Received: 11/27/95
Extracted: 11/29/95
Analyzed: 11/30/95
Reported: 12/05/95

QC Batch Number: GC1127958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	104

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

SENT BY: XEROX Telecopier 70 ; 12- 5-95 ; 9:23 ; 4153649 ;#17

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION: Airport Plaza Dw. Hayward, CA

SAMPLER (S): (Signature) [signature]

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

9511486

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES REQUESTED: 8010 1 week turnaround						REMARKS
11/27/95	8:35	SB-4 1.5 - 2.0' soil	1	X						~~Hold pending~~
↓	8:42	SB-4 3.5 - 4.0	1	X						
	8:50	SB-4 6.5 - 7.0	1	X						
	9:00	SB-4 14.0 - 14.5	1							Hold pending initial results
	9:07	SB-4 18.5 - 19.0	1							↓
	9:25	SB-5 1.5 - 2.0	1	X						
	9:30	SB-5 2.5 - 3.0	1	X						
	9:53	SB-5 7.0 - 7.5	1	X						
	9:35	SB-5 9.5 - 10.0	1							Hold
	9:40	SB-5 14.5 15.0	1							
↓	9:48	SB-5 18.5 - 19.0	1							↓

Relinquished By: (Signature)	Date	Time	Received By: (Signature)
[signature]	11/27/95	3:20	
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received For Laboratory By: (Signature) [signature] 11/27/95 1520

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Y
2. Will samples remain refrigerated until analyzed? Y
3. Did any samples received for analysis have head space? N/A
4. Were samples in appropriate containers and properly packaged? Y

[signature] Signature | Title | 11/27/95 Date

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION
Airport Plaza Development, Hayward, CA

SAMPLER (S): (Signature)

ANALYSES REQUESTED

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

9511H86

	DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	8010 + unk. Aromatics	REMARKS
7	11/27/95	10:15	SB-6 1.5 - 2.0	1	X	
8		10:20	SB-6 3.5 - 4.0	1	X	
9		10:25	SB-6 7.0 - 7.5	1	X	
		10:30	SB-6 9.5 - 10.0	1		Hold pending initial results
		10:38	SB-6 14.0 - 14.5	1		
		10:47	SB-6 18.0 - 18.5	1		
10		11:05	SB-7 2.0 - 2.5	1	X	
11		11:10	SB-7 4.5 - 5.0	1	X	
12		11:15	SB-7 7.0 - 7.5	1	X	
		11:20	SB-7 9.5 - 10.0	1		Hold
		11:28	SB-7 14.0 - 14.5	1		

	Date	Time	
Relinquished By: (Signature)	11/27/95	3:20	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received For Laboratory By: (Signature) 11/27/95 1526

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Y
2. Will samples remain refrigerated until analyzed? Y
3. Did any samples received for analysis have head space? N/A
4. Were samples in appropriate containers and properly packaged? Y/S

Signature _____ Title _____ Date 11/27/95

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION Airport Plaza, Hayward, CA

SAMPLER (S): (Signature) [signature]

ANALYSES REQUESTED: 8010 1 week turnaround

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

9511H86

	DATE	TIME	SAMPLE DESCRIPTION		NUMBER OF CONTAINERS	8010							REMARKS
	11/27/95	11:35	SB-7	18.0 - 18.5	1								Hold
13.	11/27/95	11:55	SB-8	1.5 - 2.0	1	X							
14.	↓	12:35	SB-8	4.0 - 4.5	1	X							
15.	↓	12:40	SB-8	7.0 - 7.5	1	X							
	↓	12:45	SB-8	9.5 - 10.0	1								Hold
	↓	12:50	SB-8	14.0 14.5	1								↓
	↓	12:58	SB-8	18.0 18.5	1								↓

Relinquished By: (Signature)	Date	Time	Received By: (Signature)
[signature]	11/27/95	3:20	
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received For Laboratory By: (Signature) [signature] 11/27/95 1520

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Yes
2. Will samples remain refrigerated until analyzed? Yes
3. Did any samples received for analysis have head space? N/A
4. Were samples in appropriate containers and properly packaged? Yes

[signature] Signature | Title | 11/27/95 Date

Sequoia Analytical

.80 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: HP-5 1-1.5
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9510C32-14

Sampled: 10/13/95
Received: 10/14/95
Extracted: 10/24/95
Analyzed: 10/26/95
Reported: 11/01/95

QC Batch Number: GC1023958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**16**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	68

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, 415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 10/13/95
1517 N. Main St., Ste. 204	Sample Descript: HP-5 4-4.5	Received: 10/14/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 10/24/95
	Analysis Method: EPA 8010	Analyzed: 10/26/95
Attention: Mike Van Brunt	Lab Number: 9510C32-15	Reported: 11/01/95

QC Batch Number: GC1023958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**15**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	67

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive	Redwood City, CA 94063	(415) 364-9600	FAX (415) 364-9233
404 N. Wiget Lane	Walnut Creek, CA 94598	(510) 988-9600	FAX (510) 988-9673
819 Striker Avenue, Suite 8	Sacramento, CA 95834	(916) 921-9600	FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 10/13/95
1517 N. Main St., Ste. 204	Sample Descript: HP-7 1-1.5	Received: 10/14/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 10/24/95
	Analysis Method: EPA 8010	Analyzed: 10/26/95
Attention: Mike Van Brunt	Lab Number: 9510C32-07	Reported: 11/01/95

QC Batch Number: GC1023958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	68

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

30 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: HP-7 4-4.5
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9510C32-08

Sampled: 10/13/95
Received: 10/14/95
Extracted: 10/24/95
Analyzed: 10/26/95
Reported: 11/01/95

QC Batch Number: GC1023958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	68

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Project ID:	Airport Plaza, Hayward	
1517 N. Main St., Ste. 204	Matrix:	Solid	
Walnut Creek, CA 94596			
Attention: Mike Van Brunt	Work Order #:	9510C32-07-8, 14-15	Reported: Nov 2, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC1023958010EXA	GC1023958010EXA	GC1023958010EXA
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Li	A. Li	A. Li
MS/MSD #:	9510A4501	9510A4501	9510A4501
Sample Conc.:	N.D.	100	N.D.
Prepared Date:	10/23/95	10/23/95	10/23/95
Analyzed Date:	10/24/95	10/24/95	10/24/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
Result:	25	97	23
MS % Recovery:	100	0.0	92
Dup. Result:	24	69	21
MSD % Recov.:	96	0.0	84
SC RPD:		165	
SA RPD:	4.1	34	9.1
RPD Limit:	0-50	0-50	0-50

LCS #:	BLK102395	BLK102395	BLK102395
Prepared Date:	10/23/95	10/23/95	10/23/95
Analyzed Date:	10/24/95	10/24/95	10/24/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 µg/L	25 µg/L	25 µg/L
LCS Result:	25	20	23
LCS % Recov.:	100	80	92

MS/MSD LCS Control Limits	28-167	35-146	38-150

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

SITE NAME & LOCATION Airport Plaza, Hayward, CA

SAMPLER (S): (Signature) Glenn Romig

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES REQUESTED: 8010 - Normal Turnaround							REMARKS
10/13/95	8:55 a.m	HP-9 Ground water	3	X						1	9510C32
10/13/95	9:40 a.m	HP-10 " "	3	X						2	
10/13/95	10:45	HP-11 " "	3	X						3	
10/13/95	12:00	HP-12 " "	3	X						4	
10/13/95	12:50	HP-8 " "	3	X						5	
10/13/95	1:30	HP-7 So:1 1' - 1.5'	1	X						~~6~~ 7	
10/13/95	1:30	HP-7 So:1 4' - 4.5'	1	X						~~7~~ 8	
10/13/95	1:45	HP-7 Ground water	3	X						~~8~~ 6	
10/13/95	2:20	HP-6 " "	3	X						9	
10/13/95	2:55	HP-3 " "	3	X						10	
10/13/95	3:20	HP-1 " "	3	X						11	

	Date	Time	
Relinquished By: (Signature)	10/14/95	9:30 am	Received By: (Signature)
Relinquished By: (Signature)			Received By: (Signature)
Relinquished By: (Signature)			Received By: (Signature)
Relinquished By: (Signature)	10/14/95	0930	Received For Laboratory By: (Signature)

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? yes
2. Will samples remain refrigerated until analyzed? yes
3. Did any samples received for analysis have head space? no
4. Were samples in appropriate containers and properly packaged? yes

Signature | S.E.T. Title | 10/14/95 Date

SITE NAME & LOCATION: Airport Plaza, Hayward, CA

SAMPLER (S): (Signature) Glenn Romig

ANALYSES REQUESTED: 8010 - Normal turnaround

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	8010 - Normal turnaround							REMARKS
10/13/95	3:50 P.M.	HP-2 Ground Water	3	X						12	9510C32
10/13/95	4:15 PM	HP-4 " "	3	X						13	
10/13/95	4:35	HP-5 Soil 1°-1.5 Feet	1	X						14	
10/13/95	4:40	HP-5 Soil 4.0-4.5 Feet	1	X						15	
10/13/95	4:55	HP-5 Ground Water	3	X						16	
		Travel Blank	4	X						17	

Relinquished By: (Signature)	Date	Time	Received By: (Signature)
	10/14/95	9:30 a.m.	
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received For Laboratory By: (Signature)
	10/14/95	9:30	

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Yes
2. Will samples remain refrigerated until analyzed? Yes
3. Did any samples received for analysis have head space? NO
4. Were samples in appropriate containers and properly packaged? Yes

Signature | Sample Control Tech (Title) | 10/14/95 (Date)

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 11/06/95
1517 N. Main St., Ste. 204	Sample Descript: AP-1-5	Received: 11/07/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 11/09/95
	Analysis Method: EPA 8010	Analyzed: 11/10/95
Attention: Mike Van Brunt	Lab Number: 9511491-01	Reported: 11/14/95

QC Batch Number: GC1106958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	87

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 11/06/95
1517 N. Main St., Ste. 204	Sample Descript: AP-1-18.5	Received: 11/07/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 11/09/95
	Analysis Method: EPA 8010	Analyzed: 11/10/95
Attention: Mike Van Brunt	Lab Number: 9511491-02	Reported: 11/14/95

QC Batch Number: GC1106958010EXA
Instrument ID: GCHP24

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	87

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

SEQUOIA ANALYTICAL - ELAP #1210

VMTClark

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596
Attention: Mike Van Brunt

Client Project ID: Airport Plaza, Hayward
Matrix: Solid
Work Order #: 9511491 -01-2

Reported: Nov 22, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC1106958010EXA	GC1106958010EXA	GC1106958010EXA
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Li	A. Li	A. Li
MS/MSD #:	9510K2301	9510K2301	9510K2301
Sample Conc.:	N.D.	67	N.D.
Prepared Date:	11/6/95	11/6/95	11/6/95
Analyzed Date:	11/7/95	11/7/95	11/7/95
Instrument I.D.#:	GCHP8	GCHP8	GCHP8
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
Result:	26	112	27
MS % Recovery:	104	180	108
Dup. Result:	31	117	34
MSD % Recov.:	124	200	136
RPD:	18	4.4	23
RPD Limit:	0-50	0-50	0-50

LCS #:	BLK110695	BLK110695	BLK110695
Prepared Date:	11/6/95	11/6/95	11/6/95
Analyzed Date:	11/7/95	11/7/95	11/7/95
Instrument I.D.#:	GCHP8	GCHP8	GCHP8
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
LCS Result:	27	26	24
LCS % Recov.:	108	104	96

MS/MSD LCS Control Limits	28-167	35-146	38-150

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596
Attention: Mike Van Brunt

Client Project ID: Airport Plaza, Hayward
Matrix: Solid
Work Order #: 9511491 -01-2

Reported: Nov 22, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC1109958010EXA	GC1109958010EXA	GC1109958010EXA
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Li	A. Li	A. Li
MS/MSD #:	-	-	-
Sample Conc.:	-	-	-
Prepared Date:	-	-	-
Analyzed Date:	-	-	-
Instrument I.D.#:	-	-	-
Conc. Spiked:	-	-	-
Result:	-	-	-
MS % Recovery:	-	-	-
Dup. Result:	-	-	-
MSD % Recov.:	-	-	-
RPD:	-	-	-
RPD Limit:	-	-	-
LCS #:	BLK110995	BLK110995	BLK110995
Prepared Date:	11/9/95	11/9/95	11/9/95
Analyzed Date:	11/10/95	11/10/95	11/10/95
Instrument I.D.#:	GCHP8	GCHP8	GCHP8
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
LCS Result:	26	23	26
LCS % Recov.:	104	92	104
MS/MSD LCS Control Limits	28-167	35-146	38-150

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION
AIRPORT PLAZA, HAYWARD

SAMPLER (S): (Signature)
[signature]

ANALYSES REQUESTED

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

9511491

	DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	8010							REMARKS
1	11/6/95		AP-1-14.5	1	X							1 WEEK T.A.T
2	"		AP-1-18.5	1	X							"
	"		AP-2-14.5	1	X							2 WEEK T.A.T
	"		AP-2-18.5	1	X							"
				14	no analysis							*Archive remainder of samples

Relinquished By: (Signature)	Date	Time	Received By: (Signature)
[signature]	11/7/95	11:50	[signature]
[signature]	11/7/95		
	11/7/95	1321	Received For Laboratory By: (Signature) [signature]

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice?
2. Will samples remain refrigerated until analyzed?
3. Did any samples received for analysis have head space?
4. Were samples in appropriate containers and properly packaged?

Signature　　Title　　Date

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, 415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 11/06/95
1517 N. Main St., Ste. 204	Sample Descript: AP2-2	Received: 11/09/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 11/14/95
	Analysis Method: EPA 8010	Analyzed: 11/15/95
Attention: Mike Van Brunt	Lab Number: 9511932-01	Reported: 11/20/95

QC Batch Number: GC1114958010EXA
Instrument ID: GCHP8

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**16**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	96

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: AP2-5
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9511932-02

Sampled: 11/06/95
Received: 11/09/95
Extracted: 11/14/95
Analyzed: 11/15/95
Reported: 11/20/95

QC Batch Number: GC1114958010EXA
Instrument ID: GCHP8

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**22**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	113

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

080 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: AP2-8.5
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9511932-03

Sampled: 11/06/95
Received: 11/09/95
Extracted: 11/14/95
Analyzed: 11/15/95
Reported: 11/20/95

QC Batch Number: GC1114958010EXA
Instrument ID: GCHP8

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**14**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	111

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596
Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward

Lab Proj. ID: 9511932

Received: 11/09/95

Reported: 11/20/95

LABORATORY NARRATIVE

Samples analyzed per request of Glenn Romig, 11/09/95.

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Project ID:	Airport Plaza, Hayward	
1517 N. Main St., Ste. 204	Matrix:	Solid	
Walnut Creek, CA 94596			
Attention: Mike Van Brunt	Work Order #:	9511932 -01-03	Reported: Nov 20, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC1114958010EXA	GC1114958010EXA	GC1114958010EXA
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Li	A. Li	A. Li
MS/MSD #:	951193201	951193201	951193201
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	11/14/95	11/14/95	11/14/95
Analyzed Date:	11/15/95	11/15/95	11/15/95
Instrument I.D.#:	GCHP8	GCHP8	GCHP8
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
Result:	25	26	24
MS % Recovery:	100	104	96
Dup. Result:	25	24	25
MSD % Recov.:	100	96	100
RPD:	0.0	8.0	4.1
RPD Limit:	0-50	0-50	0-50

LCS #:	BLK111495	BLK111495	BLK111495
Prepared Date:	11/14/95	11/14/95	11/14/95
Analyzed Date:	11/15/95	11/15/95	11/15/95
Instrument I.D.#:	GCHP8	GCHP8	GCHP8
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
LCS Result:	23	23	22
LCS % Recov.:	92	92	88

MS/MSD LCS Control Limits	28-167	35-146	38-150

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION: AIRPORT PLAZA, HAYWARD

SAMPLER (S): (Signature) Brad Arthur

ANALYSES REQUESTED: 8010

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	8010	REMARKS
11/6/95		AP-1 - 14.5	1	X	1 WEEK T.A.T
"		AP - 1 - 18.5	1	X	"
"		AP - 2 - 14.5	1	X	2 WEEK T.A.T
"		AP - 2 - 18.5	1	X	"
			14	no analysis	*Archive remainder of samples

Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Brad Arthur	11/7/95	11:50	Judith R. Hubbell
Judith R. Hubbell	11/7/95		Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received For Laboratory By: (Signature)

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice?
2. Will samples remain refrigerated until analyzed?
3. Did any samples received for analysis have head space?
4. Were samples in appropriate containers and properly packaged?

Signature | Title | Date

8 | 2

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza, Hayward
Sample Descript: AP-2-14.5
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9511512-01

Sampled: 11/06/95
Received: 11/07/95
Extracted: 11/09/95
Analyzed: 11/13/95
Reported: 11/20/95

QC Batch Number: GC1109958010EXA
Instrument ID: GCHP8

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**13**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	111

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza, Hayward	Sampled: 11/06/95
1517 N. Main St., Ste. 204	Sample Descript: AP-2-18.5	Received: 11/07/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 11/09/95
	Analysis Method: EPA 8010	Analyzed: 11/13/95
Attention: Mike Van Brunt	Lab Number: 9511512-02	Reported: 11/20/95

QC Batch Number: GC1109958010EXA
Instrument ID: GCHP8

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**52**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	125

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Project ID:	Airport Plaza, Hayward	
1517 N. Main St., Ste. 204	Matrix:	Solid	
Walnut Creek, CA 94596			
Attention: Mike Van Brunt	Work Order #:	9511512 -01-02	Reported: Nov 20, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC1109958010EXA	GC1109958010EXA	GC1109958010EXA
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Li	A. Li	A. Li
MS/MSD #:	951160909	951160909	951160909
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	11/9/95	11/9/95	11/9/95
Analyzed Date:	11/10/95	11/10/95	11/10/95
Instrument I.D.#:	GCHP8	GCHP8	GCHP8
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
Result:	19	18	19
MS % Recovery:	76	72	76
Dup. Result:	21	19	22
MSD % Recov.:	84	76	88
RPD:	10	5.4	15
RPD Limit:	0-50	0-50	0-50

LCS #:	BLK110995	BLK110995	BLK110995
Prepared Date:	11/9/95	11/9/95	11/9/95
Analyzed Date:	11/10/95	11/10/95	11/10/95
Instrument I.D.#:	GCHP8	GCHP8	GCHP8
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
LCS Result:	26	23	26
LCS % Recov.:	104	92	104

MS/MSD LCS Control Limits	28-167	35-146	38-150

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION: AIRPORT PLAZA, HAYWARD

SAMPLER (S): (Signature) Brady Arntz

9511512

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES REQUESTED: 8010	REMARKS
11/6/95		AP-1 - 4.5	1	X	1 WEEK T.A.T
"		AP-1 - 18.5	1	X	"
"	01	AP-2 - 14.5	1	X	2 WEEK T.A.T
"	02	AP-2 - 18.5	1	X	"
			14	no analysis	*Archive remainder of samples

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Brady Arntz	11/7/95	11:50	Ruth R. Shultz
Ruth R. Shultz	11/7/95		Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	11/7/95	1521	Received For Laboratory By: (Signature)

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in Ice?
2. Will samples remain refrigerated until analyzed?
3. Did any samples received for analysis have head space?
4. Were samples in appropriate containers and properly packaged?

Signature | Title | Date

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza	Sampled: 11/09/95
1517 N. Main St., Ste. 204	Sample Descript: AP-3-15	Received: 11/09/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 11/13/95
	Analysis Method: EPA 8010	Analyzed: 11/18/95
Attention: Mike Van Brunt	Lab Number: 9511836-01	Reported: 11/22/95

QC Batch Number: GC1113958010EXA
Instrument ID: GCHP8

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	**5.0**	**5.1**
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	102

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza	Sampled: 11/09/95
1517 N. Main St., Ste. 204	Sample Descript: AP-3-20	Received: 11/09/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 11/13/95
	Analysis Method: EPA 8010	Analyzed: 11/18/95
Attention: Mike Van Brunt	Lab Number: 9511836-02	Reported: 11/22/95

QC Batch Number: GC1113958010EXA
Instrument ID: GCHP8

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**13**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	102

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates	Client Proj. ID: Airport Plaza	Sampled: 11/09/95
1517 N. Main St., Ste. 204	Sample Descript: AP-4-15	Received: 11/09/95
Walnut Creek, CA 94596	Matrix: SOLID	Extracted: 11/13/95
	Analysis Method: EPA 8010	Analyzed: 11/18/95
Attention: Mike Van Brunt	Lab Number: 9511836-03	Reported: 11/22/95

QC Batch Number: GC1113958010EXA
Instrument ID: GCHP8

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**7.5**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	104

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596

Attention: Mike Van Brunt

Client Proj. ID: Airport Plaza
Sample Descript: AP-4-19
Matrix: SOLID
Analysis Method: EPA 8010
Lab Number: 9511836-04

Sampled: 11/09/95
Received: 11/09/95
Extracted: 11/13/95
Analyzed: 11/18/95
Reported: 11/22/95

QC Batch Number: GC1113958010EXA
Instrument ID: GCHP8

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon Tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**24**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	106

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

SEQUOIA ANALYTICAL - ELAP #1210

Vickie Tague Clark
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Van Brunt Associates
1517 N. Main St., Ste. 204
Walnut Creek, CA 94596
Attention: Mike Van Brunt

Client Project ID: Airport Plaza
Matrix: Solid
Work Order #: 9511836 -01-4
Reported: Nov 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC1113958010EXA	GC1113958010EXA	GC1113958010EXA
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	D. Nelson	D. Nelson	D. Nelson
MS/MSD #:	951182501	951182501	951182501
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	11/13/95	11/13/95	11/13/95
Analyzed Date:	11/14/95	11/14/95	11/14/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
Result:	17	14	14
MS % Recovery:	68	56	56
Dup. Result:	20	16	16
MSD % Recov.:	80	64	64
RPD:	16	13	13
RPD Limit:	0-50	0-50	0-50

LCS #:	BLK111395	BLK111395	BLK111395
Prepared Date:	11/13/95	11/13/95	11/13/95
Analyzed Date:	11/14/95	11/14/95	11/14/95
Instrument I.D.#:	GCHP24	GCHP24	GCHP24
Conc. Spiked:	25 µg/Kg	25 µg/Kg	25 µg/Kg
LCS Result:	25	21	21
LCS % Recov.:	100	84	84

MS/MSD LCS Control Limits	28-167	35-146	38-150

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL

Vickie Tague Clark
Project Manager

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION: AIRPORT PLAZA

9511836

SAMPLER (S): (Signature)

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES REQUESTED: 8010	REMARKS
					BRASS TUBE
11/9/95	7:05	AP-3-2	1		
	7:15	AP-3-5	1		
	7:20	AP-3-9	1		
	7:25	AP-3-15	1	X	2-week 01
	7:35	AP-3-20	1	X	2-week 02
	7:45	AP-3-25	1		
	7:55	AP-3-29	1		
	8:45	AP-4-2	1		
	8:50	AP-4-5	1		
	9:00	AP-4-9	1		
↓	9:10	AP-4-15	1	X	2-week 03

Relinquished By: (Signature)	Date	Time	Received By: (Signature)
	11/9/95	1400	
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
	11/9/95	1800	
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received For Laboratory By: (Signature)
			11/9/95 1800

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Yes
2. Will samples remain refrigerated until analyzed? Yes
3. Did any samples received for analysis have head space? N/A
4. Were samples in appropriate containers and properly packaged? Yes

Signature | Analyst (Title) | 11/9/95 (Date)

CHAIN OF CUSTODY RECORD

SITE NAME & LOCATION: AIRPORT PLAZA

9511836

SAMPLER (S): (Signature)

Van Brunt Associates
1517 N. Main Street, Suite 204
Walnut Creek, CA 94596
Phone: (510) 685-5900
Fax: (510) 945-0606

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES REQUESTED: 8010	REMARKS
11/9/95	9:20	AP-4-19	1	X	BRASS TUBE - 2-week
"	9:30	AP-4-24	1		

Relinquished By: (Signature)	Date	Time	Received By: (Signature)
	11/9/95	1400	
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
	11/9/95	1806	
Relinquished By: (Signature)	Date	Time	Received By: (Signature)
Relinquished By: (Signature)	Date	Time	Received For Laboratory By: (Signature)
			11/9/95 1800

REMARKS

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Yes
2. Will samples remain refrigerated until analyzed? Yes
3. Did any samples received for analysis have head space? N/A
4. Were samples in appropriate containers and properly packaged? Yes

Signature | Analyst (Title) | 11/9/95 (Date)

APPENDIX 5

WELL SURVEY DATA
AIRPORT PLAZA

TABLE A-4
REPORTED WELLS WITHIN A 1/2 MILE RADIUS
AIRPORT PLAZA PROPERTY
HAYWARD, CALIFORNIA

WELL NUMBER	WELL USE	DATE DRILLED	TOTAL DEPTH
3S/2W 14R	IND	?	85
3S/2W 19A	BOR	9/85	848
3S/2W 19R	?	3/49	80
3S/2W 19R	IND	9/38	125
3S/2W 19R	IND+	/56	112
3S/2W 19R	?	?	76
3S/2W 19R	DON	6/79	148
3S/2W 19R	MON	5/89	31
3S/2W 20B	DON	5/53	72
3S/2W 20E	DES	?	296
3S/2W 20E	IRR	7/77	40
3S/2W 20G	IRR	7/77	50
3S/2W 20G	IRR	8/77	50
3S/2W 20H	ABN	?	0
3S/2W 20J	IND	/32	0
3S/2W 20K	DES	/30	360
3S/2W 20K	MON	11/84	32
3S/2W 20K	MON	11/84	33
3S/2W 20K	MON	11/84	33
3S/2W 20K	MON	11/84	33
3S/2W 20K	MON	11/84	33
3S/2W 20K	MON	11/84	35
3S/2W 20K	MON	3/85	49
3S/2W 20K	MON	3/85	35
3S/2W 20K	MON	3/85	34
3S/2W 20K	MON	3/85	35
3S/2W 20K	MON	7/85	8
3S/2W 20K	MON	9/85	45
3S/2W 20K	MON	1/86	35
3S/2W 20K	MON	1/86	44
3S/2W 20L	BOR	6/90	25
3S/2W 20L	BOR	3/93	0
3S/2W 20L	IND	?	600
3S/2W 20L	NON	6/88	25
3S/2W 20L	NON	6/88	25
3S/2W 20L	MON	6/88	25
3S/2W 20L	MON	1/89	29
3S/2W 20L	MON	1/89	28
3S/2W 20L	MON	7/90	33
3S/2W 20L	MON	3/91	25
3S/2W 20M	IND	?	0
3S/2W 20M	DES	?	157
3S/2W 20N	DOM	/08	120
3S/2W 20P	BOR	3/87	16
3S/2W 20P	?	/20	93
3S/2W 20P	CAT	8/82	380

TABLE A-4 (continued)
REPORTED WELLS WITHIN A 1/2 MILE RADIUS
AIRPORT PLAZA PROPERTY
HAYWARD, CALIFORNIA

WELL NUMBER	WELL USE	DATE DRILLED	TOTAL DEPTH	CROSSGRADIENT OR DOWNGRADIENT
3S/2W 20P	MON	6/87	35	
3S/2W 20P	MON	9/88	26	
3S/2W 20P	MON	9/88	26	
3S/2W 20P	MON	6/88	25	
3S/2W 20Q	DES	?	405	
3S/2W 20R	IRR	/30	575	
3S/2W 20R		12/29	220	
3S/2W 20R	DES	3/92	45	
3S/2W 29B	BOR	12/88	15	
3S/2W 29B	IRR	?	0	
3S/2W 29B	MON	3/89	32	
3S/2W 29B	DES	12/92	32	
3S/2W 29B	MON	3/89	32	
3S/2W 29B	DES	12/92	32	
3S/2W 29B	MON	3/89	32	
3S/2W 29B	MON	5/92	31	
3S/2W 29B	MON	6/90	31	
3S/2W 29B	MON	6/90	31	
3S/2W 29B	MON	6/90	31	
3S/2W 29B	MON	6/90	31	
3S/2W 29B	MON	12/90	30	
3S/2W 29B	MON	11/90	32	
3S/2W 29B	DES	12/92	32	
3S/2W 29B	MON	11/90	32	
3S/2W 29B	MON	11/90	60	
3S/2W 29B	DES	11/92	31	
3S/2W 29B	DES	11/92	31	
3S/2W 29C	IRR	2/44	567	
3S/2W 29C	IRR	4/77	62	
3S/2W 29C	IRR	7/77	30	
3S/2W 29D	?	/26	70	
3S/2W 29D	IRR	/47	87	
3S/2W 29E	ABN	?	0	
3S/2W 29E	IRR	?	0	
3S/2W 29F	IRR	8/56	591	
3S/2W 29F	ABN	?	0	
3S/2W 29F	?	/53	180	
3S/2W 30A	IRR	/56	100	
3S/2W 30A	DOM	4/79	105	
3S/2W 30A	MON	7/90	24	

APPENDIX 6

SOIL VAPOR SURVEY RESULTS
AIRPORT PLAZA

teg

TRANSGLOBAL
ENVIRONMENTAL
GEOCHEMISTRY

February 6,1995

Mr. Mike Van Brunt
Van Brunt Associates
1517 N. Main St., Suite 204
Walnut Creek, CA 94596

SUBJECT: DATA REPORT - Van Brunt Associates Project #94502
Soil Vapor Survey - W. Winton & Hesperian, Hayward, California

TEG Project # 50123C

Mr. Van Brunt:

Please find enclosed a data report for the samples analyzed from the above referenced project for Van Brunt Associates. The samples were analyzed on site in TEG's DHS certified mobile laboratory. TEG conducted a total of 42 analyses on 41 soil vapor samples.

-- 42 analyses on soil vapors for selected halogenated volatile hydrocarbons by EPA method 8010.

The results of the analyses are summarized in the enclosed tables. Applicable detection limits and continuing calibration data are included in the tables. Enclosed is a contour map of PCE in parts per million by Volume (ppmV).

TEG appreciates the opportunity to have provided analytical and soil vapor services to Van Brunt Associates on this project. If you have any further questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Mark Jerpbak
Director, TEG-Northern California

PO Box 162580, Sacramento, CA 95816 Phone: (916) 736-3233 Fax: (916) 452-5806

teg

VAN BRUNT Associates - Project #94502
West Winton & Hesperian - Hayward California

TEG PROJECT #50123C

EPA METHOD 8010 ANALYSES OF SOIL VAPORS in ppmV

SAMPLE NUMBER:		Blank	Blank	Blank	-A.-1	-A.-2	-A.6	-B.-2	-B.1	-B.6
COLLECTION DATE:		1/23/95	1/24/95	1/24/95	1/23/95	1/24/95	1/24/95	1/24/95	1/24/95	1/24/95
COLLECTION TIME:		09:12	07:28	14:59	15:46	11:22	08:39	11:41	16:05	07:43
COLLECTION DEPTH:					19.0	18.0	18.0	20.0	5.0	18.0
VINYL CHLORIDE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
trans-1,2 DICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
cis-1,2 DICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1 TRICHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CARBON TETRACHLORIDE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2 DICHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLOROETHENE	(ppmV)	nd	nd	nd	0.01	nd	nd	nd	nd	0.02
BROMOFORM	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2 TETRACHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd

REPORTING LIMITS FOR ABOVE COMPOUNDS = 0.01 Parts per Million by Volume (ppmV) (1.0 ppmV for Vinyl Cl)

'nd' NOT DETECTED AT LISTED REPORTING LIMITS

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB

ANALYSES PERFORMED BY: Mr. Henry Wilkinson

DATA REVIEWED BY: Mr. Mark Jerpbak 2-6-95

Transglobal Environmental Geochemistry
PO Box 162580, Sacramento, CA 95816 Phone: (916) 736-3233 Fax: (916) 452-5806

VAN BRUNT Associates - Project #94502
West Winton & Hesperian - Hayward California

TEG PROJECT #50123C

EPA METHOD 8010 ANALYSES OF SOIL VAPORS in ppmV

SAMPLE NUMBER:		-C.1	-D.-1	A.-1	A.1	A.2	A.3	A.4	A.5	A.6
COLLECTION DATE:		1/24/95	1/23/95	1/23/95	1/23/95	1/23/95	1/23/95	1/23/95	1/23/95	1/24/95
COLLECTION TIME:		16:16	09:33	10:51	13:35	13:45	13:59	14:36	14:58	08:12
COLLECTION DEPTH:		5.0	15.0	18.0	5.0	5.0	5.0	5.0	5.0	19.0
VINYL CHLORIDE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
trans-1,2 DICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
cis-1,2 DICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1 TRICHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CARBON TETRACHLORIDE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2 DICHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLOROETHENE	(ppmV)	0.06	nd	0.02	0.03	0.02	0.06	nd	nd	0.02
BROMOFORM	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2 TETRACHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd

REPORTING LIMITS FOR ABOVE COMPOUNDS = 0.01 Parts per Million by Volume (ppmV) (1.0 ppmV for Vinyl Cl)

'nd' NOT DETECTED AT LISTED REPORTING LIMITS

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB

ANALYSES PERFORMED BY: Mr. Henry Wilkinson

DATA REVIEWED BY: Mr. Mark Jerpbak

Transglobal Environmental Geochemistry
PO Box 162580, Sacramento, CA 95816 Phone: (916) 736-3233 Fax: (916) 452-5806

teg

VAN BRUNT Associates - Project #94502
West Winton & Hesperian - Hayward California

TEG PROJECT #50123C

EPA METHOD 8010 ANALYSES OF SOIL VAPORS in ppmV

SAMPLE NUMBER:		B.-1	B.1	B.2	B.2	B.3	B.4	B.5	C.-1	C.1
COLLECTION DATE:		1/23/95	1/23/95	1/23/95	DUP	1/23/95	1/23/95	1/23/95	1/24/95	1/24/95
COLLECTION TIME:		15:26	12:26	11:56	11:56	11:12	11:32	17:09	16:54	11:04
COLLECTION DEPTH:		20.0	19.0	19.0	19.0	19.0	18.0	19.0	18.0	18.0
VINYL CHLORIDE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
trans-1,2 DICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
cis-1,2 DICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1 TRICHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CARBON TETRACHLORIDE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2 DICHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLOROETHENE	(ppmV)	nd	nd	0.03	0.03	0.02	0.81	nd	0.02	1.44
BROMOFORM	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2 TETRACHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd

REPORTING LIMITS FOR ABOVE COMPOUNDS = 0.01 Parts per Million by Volume (ppmV) (1.0 ppmV for Vinyl Cl)

'nd' NOT DETECTED AT LISTED REPORTING LIMITS

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB

ANALYSES PERFORMED BY: Mr. Henry Wilkinson

DATA REVIEWED BY: Mr. Mark Jerpbak

Transglobal Environmental Geochemistry
PO Box 162580, Sacramento, CA 95816 Phone: (916) 736-3233 Fax: (916) 452-5806

teg

VAN BRUNT Associates - Project #94502
West Winton & Hesperian - Hayward California

TEG PROJECT #50123C

EPA METHOD 8010 ANALYSES OF SOIL VAPORS in ppmV

SAMPLE NUMBER:		C.2	C.2	C.3	C.4	C.5	C.9	D.-1	D.1	D.2
COLLECTION DATE:		1/24/95	DUP	1/23/95	1/24/95	1/23/95	1/24/95	1/24/95	1/24/95	1/24/95
COLLECTION TIME:		10:45	10:46	16:10	09:59	16:48	15:10	16:38	13:12	12:48
COLLECTION DEPTH:		18.0	18.0	19.0	19.0	19.0	18.0	19.0	18.0	18.0
VINYL CHLORIDE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
trans-1,2 DICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
cis-1,2 DICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1 TRICHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CARBON TETRACHLORIDE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2 DICHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	0.02
TETRACHLOROETHENE	(ppmV)	0.44	0.40	nd	nd	0.06	0.38	0.03	0.03	0.03
BROMOFORM	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2 TETRACHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd

REPORTING LIMITS FOR ABOVE COMPOUNDS = 0.01 Parts per Million by Volume (ppmV) (1.0 ppmV for Vinyl Cl)

'nd' NOT DETECTED AT LISTED REPORTING LIMITS

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB

ANALYSES PERFORMED BY: Mr. Henry Wilkinson

DATA REVIEWED BY: Mr. Mark Jerpbak

Transglobal Environmental Geochemistry
PO Box 162580, Sacramento, CA 95816 Phone: (916) 736-3233 Fax: (916) 452-5806

VAN BRUNT Associates - Project #94502
West Winton & Hesperian - Hayward California

TEG PROJECT #50123C

EPA METHOD 8010 ANALYSES OF SOIL VAPORS in ppmV

SAMPLE NUMBER:		D.3	D.4	D.5	D.9	E.1	E.5	E.9	F.5	F.9
COLLECTION DATE:		1/24/95	1/24/95	1/23/95	1/24/95	1/24/95	1/24/95	1/24/95	1/24/95	1/24/95
COLLECTION TIME:		10:20	09:49	16:28	14:52	17:13	09:01	14:35	09:20	14:18
COLLECTION DEPTH:		18.0	18.0	19.0	19.0	18.0	19.0	18.0	19.0	18.0
VINYL CHLORIDE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
trans-1,2 DICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
cis-1,2 DICHLOROETHENE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1 TRICHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CARBON TETRACHLORIDE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2 DICHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROETHENE	(ppmV)	0.03	nd	0.01	nd	nd	nd	nd	nd	nd
TETRACHLOROETHENE	(ppmV)	0.03	0.02	0.03	nd	0.07	nd	0.33	nd	0.08
BROMOFORM	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2 TETRACHLOROETHANE	(ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd

REPORTING LIMITS FOR ABOVE COMPOUNDS = 0.01 Parts per Million by Volume (ppmV) (1.0 ppmV for Vinyl Cl)

'nd' NOT DETECTED AT LISTED REPORTING LIMITS

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB

ANALYSES PERFORMED BY: Mr. Henry Wilkinson

DATA REVIEWED BY: Mr. Mark Jerpbak

Transglobal Environmental Geochemistry
PO Box 162580, Sacramento, CA 95816 Phone: (916) 736-3233 Fax: (916) 452-5806

VAN BRUNT Associates - Project #94502
West Winton & Hesperian - Hayward California

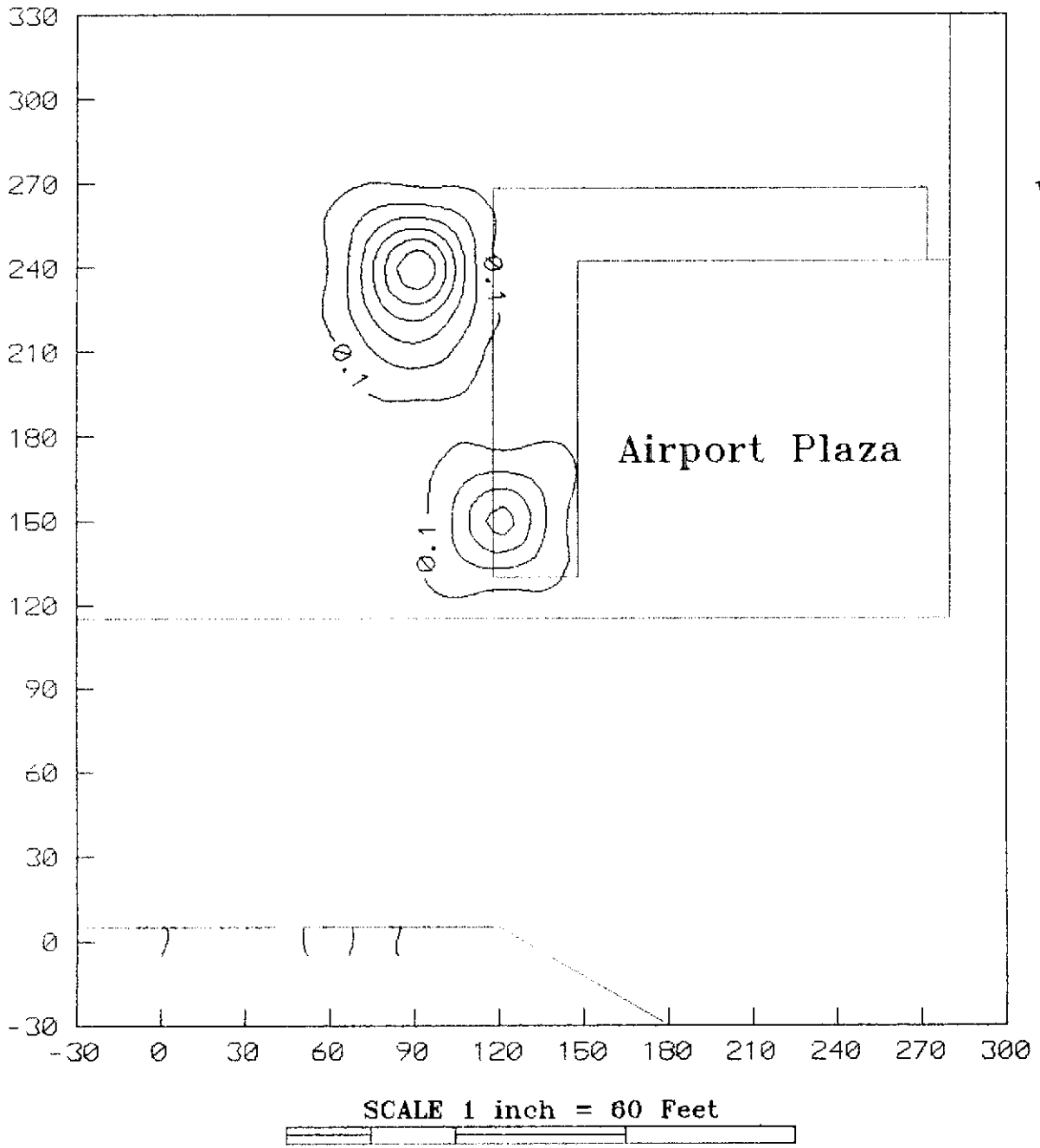
TEG PROJECT #50123C

CALIBRATION DATA - AREA COUNTS

	1,1 DCE	t-1,2 DCE	1,1 DCA	c-1,2 DCE	Cl-Form	1,2 DCA	TCE	PCE
Average RF	549.2	400.9	588.7	331.0	347.1	787.8	1002.0	583.3
Continuing Calibration								
1/23/95	482.1	360.7	527.0	374.0	326.3	691.1	861.7	525.0
	87.8%	90.0%	89.5%	113.0%	94.0%	87.7%	86.0%	90.0%
1/23/95	618.0	428.8	646.1	372.6	371.3	807.4	1070.7	642.0
	112.5%	107.0%	109.8%	112.6%	107.0%	102.5%	106.9%	110.1%
1/24/95	475.9	436.5	663.4	358.2	309.7	735.6	1107.4	623.3
	86.7%	108.9%	112.7%	108.2%	89.2%	93.4%	110.5%	106.9%
1/24/95	579.0	437.9	631.1	354.4	325.9	858.4	1119.9	618.3
	105.4%	109.2%	107.2%	107.1%	93.9%	109.0%	111.8%	106.0%

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB
ANALYSES PERFORMED BY: Mr. Henry Wilkinson
DATA REVIEWED BY: Mr. Mark Jerpbak 3-6-95

Transglobal Environmental Geochemistry
PO Box 162580, Sacramento, CA 95816 Phone: (916) 736-3233 Fax: (916) 452-5806



Van Brunt Associates

Job No. 94502
Hayward, CA

PCE in ppmV

Jan. 23-24, 1995

Transglobal Environmental
Geochemistry
Northern California

Minimum Contour = 0.1 ppmV
Contour Interval = 0.2 ppmV

VAN BRUNT ASSOCIATES

CONSULTANTS TO REAL ESTATE
OWNERS, MANAGERS & LENDERS

TO: Ms. Amy Leech, REHS

COMPANY: Alameda County Health Agency

ADDRESS/FAX#: 1131 Harbor Bay Parkway, Ste. 250

Alameda, CA 94502

Project No.: 94502

Date: 12/13/95

Project: Airport Plaza

Subject: Site Investigation Report

We are sending you:

___ Contract/Authorization To Proceed	X Report(s)	___ Schedule
___ Request For Proposal (RFP)	___ Test Results	___ Shop Drawings
___ Estimate/Bid/Proposal(s)	___ Copy of Letter(s)	___ Samples/Submittals
___ VBA Consulting Proposal	___ Request For Information (RFI)	___ Statement of Qualifications
___ Change Orders	___ Plans/Sketches	___ Other

Via: ___ Hand ___ Fax ___ Courier ___ Overnight X Mail

Item	Copies	Date	Description
1.	1	12/12/95	Report
1	1	12/13/95	Letter

Transmitted As Checked Below:

___ For Your Approval	___ For Pricing/Estimate	___ Approved As Noted
X For Your Review & Comments	___ For Bid Due: _____	___ Returned For Corrections
___ For Your Signature	___ Approved & Submitted	___ Re-Submit For Approval
___ For Your Use/Records	___ As Requested	___ Please Return

REMARKS:

BY: Mike Van Brunt

TITLE: Principal

FACSIMILE DISTRIBUTION

PAGE 1 of 1 INITIALS:

1517 N. Main Street, Suite 204, Walnut Creek, CA 94596
Phone: (510) 685-5900 Fax: (510) 945-0606