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CITY OF OAKLAND

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ENVIRONMENTAL SERVICES • 1333 BROADWAY, SUITE 330A • OAKLAND, CALIFORNIA 94612

Public Works Agency

(510) 238-6688
FAX (510) 238-7286
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March 25, 1998

Mr. Larry Seto
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: **Environmental Site Assessment Report - Housewives Marketplace**
818 Jefferson Street, Oakland, California (97102)

Dear Mr. Seto:

Enclosed is one copy of the report entitled *Report of Additional Soil and Groundwater Sampling Results, The Housewives Market and Retail/Office Space*, prepared by our consultant, SECOR International Inc., dated March 16, 1998. No soil or groundwater contamination was found in any of the six additional borings that were drilled. Based on these results, it appears that the contaminated groundwater is limited to the northeast portion of the property near the corner of 9th and Clay Streets. Because the existing building constrains excavation at this time, the City will address cleanup of as part of the planned redevelopment of the site.

Please call me at 238-7695, or Andrew Clark-Clough at 238-6361, if you have any questions or require additional information.

Sincerely,

Mark B. Hersh
Environmental Program Specialist

cc: Janet Howley, CEDA Projects Division (w encl.)
Andrew Clark-Clough, PWA Environmental Services (w/o encl.)
Leroy Griffin, OES Hazardous Materials Supervisor (w o encl.)

SECOR
International Incorporated

REPORT OF ADDITIONAL SOIL AND GROUNDWATER SAMPLING RESULTS THE HOUSEWIVES MARKET AND RETAIL/OFFICE SPACE 8TH, 9TH, CLAY AND JEFFERSON STREETS OAKLAND, CALIFORNIA

SECOR Job No. 70100-019-04

3/16/98

Prepared For:
The City of Oakland
Public Works Agency
Environmental Services Division
1333 Broadway, Suite 330
Oakland, California 94612

Submitted By:
SECOR International Incorporated
1390 Willow Pass Road
Suite 360
Concord, California 94520

March 16, 1998

Prepared By:

Charles Melancon
Staff Geologist

Reviewed By:

Robert Robitaille
Project Geologist

Bruce E. Scarbrough, R.G.
Principal Geologist

REGISTERED GEOLOGIST
OF CALIFORNIA

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1.0 INTRODUCTION

This report presents the results of a soil and groundwater investigation conducted at the Housewives Market and retail/office space located north of 8th Street, south of 9th Street, east of Jefferson Street, and west of Clay Street in Oakland, Alameda County, California (the subject property). The investigation was performed by SECOR International Incorporated (SECOR) for the City of Oakland, Public Works Agency, Environmental Services Division at the request of Mr. Mark Hersh in support of a potential redevelopment of the subject property. The purpose of the investigation was to assess the lateral extent and identify possible source area(s) of the petroleum hydrocarbon contaminated groundwater discovered during the October 1997 investigation activities.

1.1 Background

The subject property is located in a retail/commercial area in the city of Oakland, Alameda County, California. The property consists of the block bounded by Clay and Jefferson Streets, and 8th and 9th Streets (Figure 1). The subject property is occupied by a parking lot and three individual, but contiguous buildings, housing several retail tenants. The buildings and subject property features are depicted on Figure 2.

The subject property is at an elevation of approximately 33 feet above mean sea level (msl). The area gently slopes to the west-southwest. The nearest water body is the Oakland Inner Harbor, which is part of San Francisco Bay. The Oakland Inner Harbor is located approximately one-half mile south of the subject property. The subject property is located within a large area of regional subsidence and sediment fill known as the San Francisco Bay trough which extends from the Hayward fault westward across Oakland and San Francisco Bay. The bedrock block within this trough has been tilted to the east, causing the maximum subsidence and subsequent maximum accumulation of sediments to occur in the eastern part of the trough within an area including the present City of Oakland. This subsidence and deposition of successive layers of sediments has been occurring since the start of Pleistocene time (about 2 million years ago). Development of the San Francisco Bay trough is directly related to the evolution of the San Andreas fault system, which contains the Hayward and San Andreas faults, as well as other faults to the east. The subject property is directly underlain by three geologic units that are part of the sedimentary fill of the San Francisco Bay trough. These units are (from ground surface down) the Merritt Sand, the San Antonio Formation, and the Alameda Formation. These units are Pleistocene in age (Woodward-Clyde Consultants, 1991).

Based on information gathered during this investigation, groundwater beneath the property is present at depths of 24 to 26 feet below ground surface (bgs). Based on information gathered during the Phase I Environmental Site Assessment (ESA), groundwater beneath the subject property appears generally to flow to the southwest toward the Oakland Inner Harbor

A Phase I ESA was performed in support of a potential financial transaction regarding the subject property. Results were presented in the report titled Phase I Environmental Site Assessment Report (SECOR, September 10, 1997). Results of the Phase I ESA indicated that two former gasoline stations were present on the subject property (one in the southwest corner and one in the northeast corner) from sometime between 1913 and 1951 to sometime prior to 1957. In addition, several facilities in the vicinity of the subject property have been documented as using chemicals or having had releases of chemicals to soil and/or groundwater. The California Environmental Protection Agency (Cal-EPA) Leaking Underground Storage Tank (LUST) list identified 16 LUST facilities located within one-quarter mile of the subject property. Five of the facilities are located within a one-eight mile radius of the subject property (SECOR, 1997). According to a report prepared by Woodward-Clyde consultants, a gasoline plume was present beneath a former gasoline station, located 150 feet north and crossgradient of the subject property at 901-999 Jefferson Street. The report indicated that up to 26,000 micrograms per liter ($\mu g/\ell$) gasoline was present in the groundwater. The subject property was granted case closure in December 1996 by the Alameda County Environmental Health Department.

A Phase II investigation was performed at the subject property on October 21, 1997. No soil impacts were detected during the investigation, however, significant groundwater contamination consisting of gasoline constituents and mineral spirits were found in boring GP-4 located at the northeast corner of the subject property. The groundwater sample collected from boring GP-4 contained concentrations of benzene at 3,200 $\mu g/\ell$, toluene at 13,000 $\mu g/\ell$, ethylbenzene at 13,000 $\mu g/\ell$, xylenes at 53,000 $\mu g/\ell$, total petroleum hydrocarbons as gasoline (TPHg) at 1,700,000 $\mu g/\ell$, and total petroleum hydrocarbons as mineral spirits (TPHms) at 210,000 $\mu g/\ell$. Additionally, concentrations of total petroleum hydrocarbons as motor oil (TPHmo) at 670 $\mu g/\ell$ were detected in groundwater collected from boring GP-1 located near the southeast corner of the subject property.

2.0 SCOPE OF WORK

2.1 Pre-field Activities

SECOR obtained a drilling permit from the Alameda County Public Works Agency and an excavation permit from the City of Oakland Office of Planning and Building prior to conducting field activities. Copies of the approved drilling Permit No. 978WR028 and excavation Permit No. X9800045 are included in Appendix A. In addition, an existing Health and Safety Plan (HASP) specific to the subject property was updated based on the work previously performed at the subject property. Underground Service Alert was notified prior to commencement of field activities so that underground utilities in the vicinity of the borings could be identified and the boring locations modified, if necessary.

2.2 Field Activities

On January 16, 1998, C.U. Survey, a professional utility locating contractor, conducted a survey of the area in the vicinity of the proposed boring locations. On January 22 and 23, 1998, six boreholes (GP-5 through GP-10) were advanced by Vironex at the locations shown in Figure 2. Four borings (GP-5, GP-6, GP-9, and GP-10) were advanced in locations surrounding the previous boring location of GP-4 where the grab groundwater sample collected during the previous investigation indicated petroleum hydrocarbon impact to groundwater. Two additional borings (GP-7 and GP-8) were advanced in an area of no previous investigation.

Boreholes were advanced to depths ranging from 24 to 28 feet bgs using a truck-mounted direct-push sampler. The borings were continuously cored using a 4-foot long by 1.75-inch inside-diameter core barrel. The soils encountered were logged by a SECOR geologist in an attempt to produce an accurate lithologic and stratigraphic profile for each borehole. Soil samples for possible laboratory analysis were collected at approximately 5-foot intervals by cutting the 4-foot acetate soil sample liners at the desired interval and capping the ends of the cut tube using Teflon and tight-fitting plastic end caps. The soil adjacent to the retained samples was screened in the field for the presence of volatile organic compounds (VOCs) using a photo-ionization detector (PID). Groundwater was encountered at depths ranging from approximately 22.5 to 23.5 feet in each of the boreholes. One grab groundwater sample was collected from each borehole by lowering a disposable bailer into each borehole, retrieving the bailer, and dispensing the sample into laboratory supplied sample containers. Collected soil and groundwater samples were labeled with sample names, the time and date of collection, and placed on ice in an insulated cooler for transport under chain-of-custody to a California state-certified analytical laboratory. Upon completion of sampling activities, the boreholes were abandoned by backfilling with Portland cement and completed at the surface with asphalt to match the existing cover.

Between borings, drilling and sampling equipment contacting subsurface soils was decontaminated to prevent cross-contamination. Rinsate water generated during field activities was used for mixing the cement grout for borehole abandonment. Four 5-gallon buckets of soil cuttings were generated during sampling activities. The buckets were labeled and left on-site as directed by the City of Oakland.

2.3 Sample Analysis

One groundwater sample and two samples from each boring were analyzed by Superior Analytical Laboratory. The soil samples and four groundwater samples were analyzed for a total petroleum hydrocarbon (TPH) scan and benzene, toluene, ethylbenzene and xylenes (BTEX) in accordance with Environmental Protection Agency (EPA) Method 8015 (modified) and EPA Method 8020, respectively. The groundwater samples from boreholes GP-5 and GP-7 were only analyzed for total petroleum hydrocarbons as gasoline (TPHg) and BTEX by EPA Method 8015 (modified) and EPA Method 8020, respectively. These boreholes produced insufficient groundwater for the collection of the liter bottles needed to perform the TPH scan.

3.0 RESULTS

3.1 Hydrogeology and Geology

The subsurface was explored to a maximum depth of 28 feet during this investigation. Asphalt and baserock fill was present in the top 1-foot of all borings. Beneath the baserock fill the subject property geology consists of a continuous unit of fine-grained sand with trace amounts of silt. Groundwater was observed in the borings at depths ranging from 22.5 to 23.5 feet bgs. In all cases, the groundwater was found in an apparently unconfined condition. Boring logs are included in Appendix B.

3.2 Soil Analytical and PID Results

Soil samples collected from the borings at 15 feet bgs and just above first encountered groundwater (depths ranging from 21.5 to 23 feet bgs) were submitted for laboratory analysis. None of the 12 soil samples analyzed contained concentrations of BTEX or TPH above laboratory reporting limits. Soil analytical results are summarized in Table 1 and copies of the laboratory analytical reports provided as Appendix C.

Significant levels of volatile organic compounds were not detected by the PID during field screening of the soil collected from the borings. PID readings are included on the boring logs (Appendix B).

3.3 Groundwater Analytical Results

The groundwater samples collected from the six borings (GP-5 through GP-10) did not contain TPHg or BTEX compounds above laboratory detection limits. The groundwater samples collected from borings GP-6, GP-8, GP-9, and GP-10 that produced sufficient groundwater to run a TPH scan contained no petroleum hydrocarbons above the laboratory detection limits. Groundwater analytical results are summarized in Table 2 and copies of the laboratory analytical reports are provided as Appendix C.

4.0 SUMMARY AND CONCLUSIONS

During both, this phase of site investigation activities and the previous site investigation performed on October 21, 1997, the soils encountered in all boring locations consisted of one continuous unit of fine-grained sand with trace amounts of silt and clay, which is interpreted to be Merritt Sand. Groundwater was observed in the borings at depths ranging from 22.5 to 26 feet bgs. In all cases, the groundwater was found in an apparently unconfined condition.

During the previous site investigation performed in October1997, significant elevated concentrations of gasoline constituents and mineral spirits were found in the groundwater beneath the northeast corner of the subject property in the vicinity of boring GP-4. The groundwater sample collected from boring GP-4 contained concentrations of benzene at 3,200 $\mu g/\ell$, toluene at 13,000 $\mu g/\ell$, ethylbenzene at 13,000 $\mu g/\ell$, xylenes at 53,000 $\mu g/\ell$, gasoline at 1,700,000 $\mu g/\ell$, and TPHms at 210,000 $\mu g/\ell$.

Analysis of soil and groundwater samples from the six recent borings (GP-5 through GP-10) found no detectable levels of petroleum hydrocarbons in soil and groundwater at these locations. Therefore, no additional areas of contaminated soil or groundwater were identified during this project.

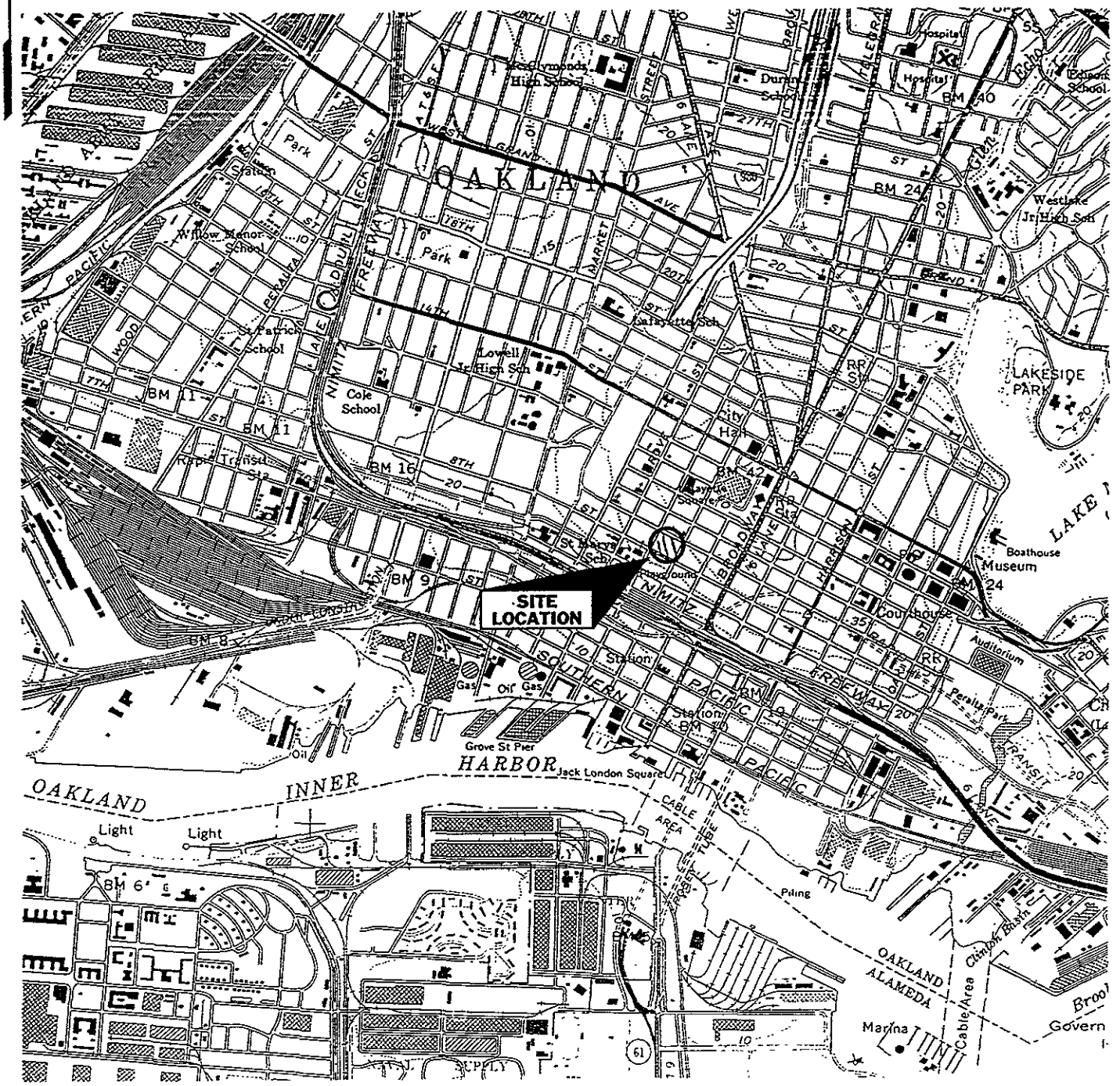
Four of the six additional boreholes advanced during this phase of field investigation activities were located surrounding the location of the previously documented groundwater contamination at boring GP-4 in the northeast corner of the subject property. Because no contaminated soil or groundwater was found at apparent upgradient boring GP-5 or crossgradient borings GP-6 and GP-10, the source of the contamination is likely within the boundaries of the northeast portion of the subject property. In addition, because no detectable concentrations of petroleum hydrocarbons were found in the borings GP-9 and GP-3 located in the apparent downgradient direction, the area of affected groundwater and possible affected soil is apparently limited to the northeast corner of the subject property.

Based on the results of this investigation and the previous investigation, the area of contaminated groundwater appears to be limited to the northeast corner of the subject property. BTEX concentrations in groundwater from former boring GP-4 located in the sidewalk near the northeast corner of the subject property exceed maximum contaminant levels (MCLs) for drinking water, and benzene concentrations are above the Draft State Water Resources Control Board's (SWRCB) Policy of Investigation and Cleanup of Petroleum Discharges to Soil and Groundwater (Resolution No. 1021b). Although impacts were not detected in soil samples collected from the area, field personnel noted a strong hydrocarbon odor and soil staining at depths greater than 11 feet in soil collected from GP-4. This suggests the possible presence of an on-site source, possibly an abandoned underground storage tank (UST) affiliated with the former gasoline station.

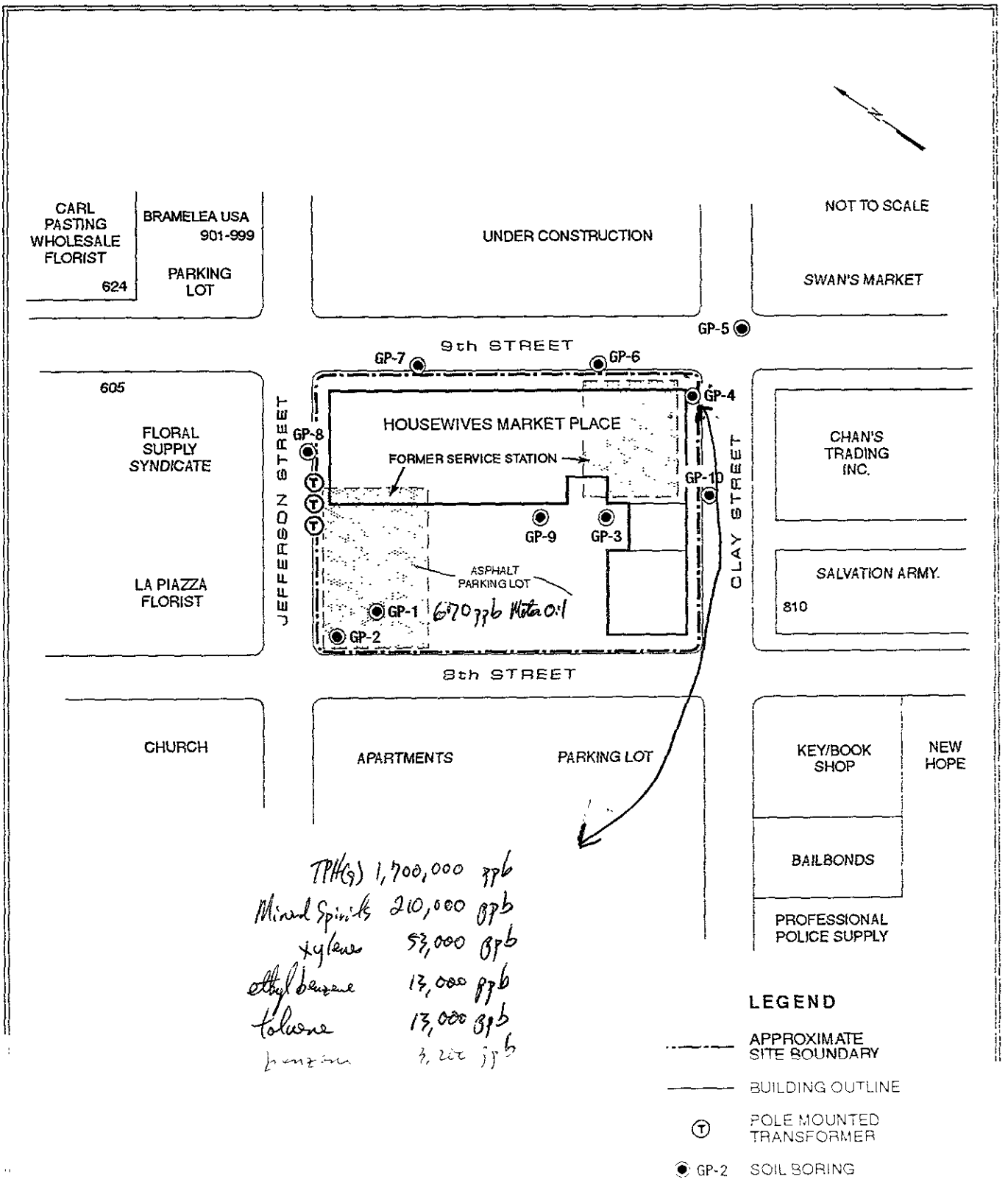
SECOR is aware that redevelopment of the subject property may be occurring in the near future. SECOR recommends that the City of Oakland and/or it's contractors include provisions for the safe handling of contaminated groundwater and of potentially impacted soils underlying the building in the northeast corner of the property during redevelopment activities. In addition, the City of Oakland should be aware of the possibility of encountering buried tanks and associated piping during subsurface work in both the southwest and northeast corners of the property.

FIGURES

OAKLAND WEST QUADRANGLE
California
7.5 Minute Series (Topographic)



DRAFTED BY: TS	CHECKED BY: GH	Project No. 70100-019-01	Figure 1	*SECOR* 1390 Willow Pass Road Suite 360 Concord, CA 94520
PREP. DATE: 05-13-97	REV. DATE	Oakland Housewives Market 8th, 9th, Clay & Jefferson Streets Oakland, California	Site Location Map	
FILE NAME: houswife.f01				



DRAFTED BY	CHECKED BY	PROJECT NUMBER	FIGURE NUMBER 2	
PEM	GH	70100-019-01	TITLE	SECOR
DWG DATE 5/19/97	REV DATE 2/9/98	CLIENT	BORING LOCATION MAP HOUSEWIVES MARKET PLACE 801 CLAY STREET OAKLAND CA	1390 Willow Pass Road Suite 360 Concord CA 94520
FILE NAME ScrOAK801hswfMktBor2		CITY OF OAKLAND		

TABLES

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
The Housewives Marketplace and Associated Retail/Office Space
8th, 9th, Clay and Jefferson Streets
Oakland, California

Boring (mg/kg)	GP-5		GP-6		GP-7		GP-8	
Depth (feet)	15	23	15	22	15	21.5	15	21
Benzene	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)
Toluene	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)
Ethylbenzene	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)
Xylenes	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)
TPH Fuel Scan	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)
Gasoline	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)

Notes:

Samples collected January 1998

mg/kg = milligrams per kilograms

ND = below laboratory detection limits (detection limit indicated in parentheses)

TABLE 1 - Continued
SUMMARY OF SOIL ANALYTICAL RESULTS
The Housewives Marketplace and Associated Retail/Office Space
8th, 9th, Clay and Jefferson Streets
Oakland, California

Boring (mg/kg)	GP-9		GP-10	
Depth (feet)	15	22	15	21.5
Benzene	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)
Toluene	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)
Ethylbenzene	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)
Xylenes	ND(<0.005)	ND(<0.005)	ND(<0.005)	ND(<0.005)
TPH Fuel Scan	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)
Gasoline	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)

Notes:

Samples collected October 21, 1997

mg/kg = milligrams per kilograms

ND = below laboratory detection limits (detection limit indicated in parentheses)

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
The Housewives Marketplace and Associated Retail/Office Space
8th, 9th, Clay and Jefferson Streets
Oakland, California

BORING (ug/l)	GP-5	GP-6	GP-7	GP-8	GP-9	GP-10
Benzene	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
Toluene	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
Ethylbenzene	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
Xylenes	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
TPH Fuel Scan	NA	ND(<50)	NA	ND(<50)	ND(<50)	ND(<50)
Gasoline	ND(<50)*	ND(<50)	ND(<50)*	ND(<50)	ND(<50)	ND(<50)

Notes:
Samples GP-1 through GP-4 collected October 21, 1997; Samples GP-5 through GP-10 collected on January 22 and 23, 1998.
ug/l = micrograms per liter
ND = Below laboratory detection limits (detection limit indicated in parentheses)
* = Analyzed by EPA SW-846 Method 8015 (modified)

APPENDIX A

Permits

3/8" AC Carlton Cooper - Inspector

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

9TH ST. between Clay & Jefferson

PERMIT NUMBER		SITE ADDRESS/LOCATION
X9800045		801 CLAY ST.
APPROX. START DATE	APPROX. END DATE	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number)
CONTRACTOR'S LICENSE # AND CLASS		CITY BUSINESS TAX #

ATTENTION:

1) State law requires that the contractor/owner call *Underground Service Alert (USA)* two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1 (800) 642-2444. UNDERGROUND SERVICE ALERT (USA) #: _____

2) **48 hours prior to starting work, YOU MUST CALL (510) 238-3651 TO SCHEDULE AN INSPECTION.**

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. _____, B&PC for this reason _____.

WORKER'S COMPENSATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # _____ Company Name _____

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Chapter 6, Article 2 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property ... sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

Signature of Permittee ☐ Agent for ☒ Contractor ☐ Owner Date 1/16/98

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED?	HOLIDAY RESTRICTION? (NOV 1 - JAN 1)	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM)
1981	☐ YES ☒ NO	☐ YES ☒ NO	☒ YES ☐ NO

ISSUED BY M. Mullen DATE ISSUED 1/16/98

Forms\Excavation.doc 02/09/95

6J4498 Secon

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

clay st., between 8TH & 9TH

PERMIT NUMBER		SITE ADDRESS/LOCATION
X98000496		801 CLAY ST
APPROX. START DATE	APPROX. END DATE	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number)
CONTRACTOR'S LICENSE # AND CLASS		CITY BUSINESS TAX #

ATTENTION:

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☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. _____, B&PC for this reason _____.

WORKER'S COMPENSATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # _____ Company Name _____

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Chapter 6, Article 2 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

Signature of Permittee _____ ☐ Agent for ☒ Contractor ☐ Owner — Date 1/16/98

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED?	HOLIDAY RESTRICTION? (NOV 1 - JAN 1)	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM)
1988	☐ YES ☒ NO	☐ YES ☒ NO	☒ YES ☐ NO

ISSUED BY M. Muller — DATE ISSUED 1/16/98

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

Jefferson St., between 8th & 9th St

PERMIT NUMBER	SITE ADDRESS/LOCATION
X9800047	801 CLAY ST
APPROX. START DATE / APPROX. END DATE	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number)
CONTRACTOR'S LICENSE # AND CLASS	CITY BUSINESS TAX #

ATTENTION:

1) State law requires that the contractor/owner call *Underground Service Alert (USA)* two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1 (800) 642-2444. UNDERGROUND SERVICE ALERT (USA) #: _____

2) **48 hours prior to starting work, YOU MUST CALL (510) 238-3651 TO SCHEDULE AN INSPECTION.**

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. _____ . B&PC for this reason _____.

WORKER'S COMPENSATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # _____ Company Name _____

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Chapter 6, Article 2 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

X _____ 1/16/98

Signature of Permittee ☐ Agent for ☒ Contractor ☐ Owner — Date

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED?	HOLIDAY RESTRICTION? (NOV 1 - JAN 1)	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM)
1993	☒ YES ☐ NO	☐ YES ☒ NO	☒ YES ☐ NO
ISSUED BY: M. Mullen		DATE ISSUED: 1/16/98	

APPENDIX B

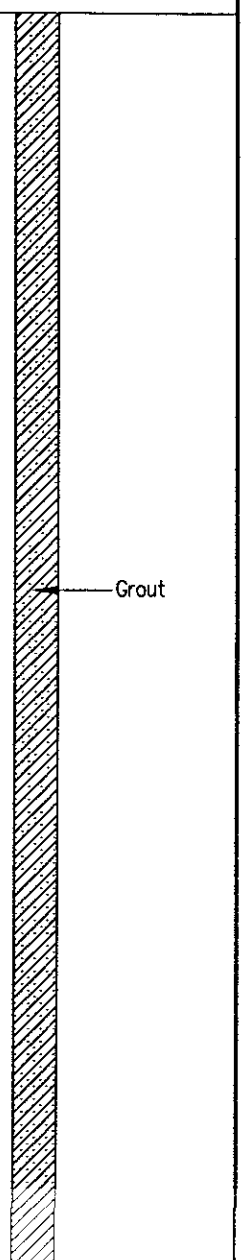
Boring Logs

Project: HOUSEWIVES MARKET – 8TH, 9TH, CLAY AND JEFFERSON ST., OAKLAND, CA			Log of Boring/Monitoring Well: **GP-5**
Boring Location: GP-5 (SEE FIGURE 2)		Project No.: 70100-019-04	
Subcontractor and Equipment: VIRONEX/GEOPROBE		Logged By: C. MELANCON	
Sampling Method: CONTINUOUS CORE	Monitoring Device: OVM 580B		Comments:
Start Date/Time: 1/23/98//1400	Finish Date/Time: 1/23/98//1530		
First Water (bgs): ~23.5 FT.	Stabilized Water Level (bgs): NA		

Surface Elevation: NA Casing Top Elevation: NA

Sample Number	PID (ppm)	Depth (Feet)	Recovery	USCS Symbol	Water Level	LITHOLOGIC DESCRIPTION (color, grain size, consistency, moisture, other)
		0				ASPHALT AND BASEROCK
		1				YELLOWISH BROWN (10YR 5/6) SAND (SP) with silt, sand is fine-grained, dense, moist (0,90,10,0)
GP-5-5	0	5				
GP-5-10	0	10				
GP-5-15	0	15				
GP-5-20	0	20				at ~20' becomes very dense
		21				at ~21' color change to Olive Brown (2.5Y 4/4)
GP-5-23	0	23			▽	
		25				
		26				
		27				
		28				
		29				
		30				

Boring Abandonment/ Well Construction Details



I:\PROJECTS\1998\70100019\04\WORK\HOUSEWIVES MARKET\GP-05

SECOR

Reviewed By _____ Date _____

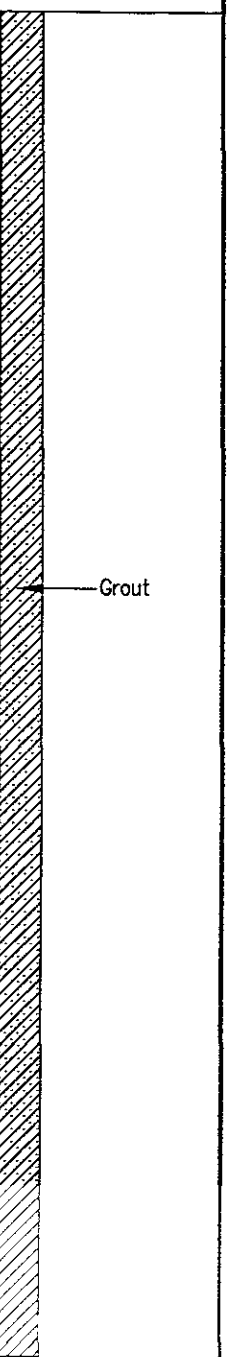
Revised By _____ Date _____

Project: HOUSEWIVES MARKET – 8TH, 9TH, CLAY AND JEFFERSON ST., OAKLAND, CA			Log of Boring/Monitoring Well: **GP-6**
Boring Location: GP-6 (SEE FIGURE 2)		Project No.: 70100-019-04	
Subcontractor and Equipment: VIRONEX/GEOPROBE		Logged By: C. MELANCON	
Sampling Method: CONTINUOUS CORE	Monitoring Device: OVM 580B		Comments:
Start Date/Time: 1/23/98//0900	Finish Date/Time: 1/23/98//1100		
First Water (bgs): ~22.5 FT.	Stabilized Water Level (bgs): ~22.5 FT.		

Surface Elevation: NA Casing Top Elevation: NA

Sample Number	PID (ppm)	Depth (Feet)	Recovery	USCS Symbol	Water Level	LITHOLOGIC DESCRIPTION (color, grain size, consistency, moisture, other)
		0				ASPHALT AND BASEROCK
		1				YELLOWISH BROWN (10YR 5/6) SAND (SP) with silt, sand is fine-grained, dense, moist (0,90,10,0)
		2				
		3				
		4				
GP-6-5	0	5				
		6				
		7				
		8				
		9				
GP-6-10	0	10				
		11				
		12				
		13				
		14				
GP-6-15	0	15				
		16				
		17				
		18				
		19				
GP-6-20	0	20				
		21				at ~21' color change
GP-6-22	0	22			▼▽	
GP-6-23	0	23				
		24				
		25				
		26				
		27				
		28				
		29				
		30				

Boring Abandonment/ Well Construction Details



1998\07 06\25 X:\JOBS\HMARKET\GP-06

SECOR

Reviewed By _____ Date _____

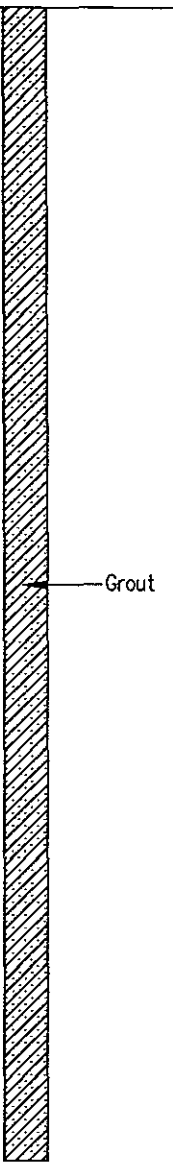
Revised By _____ Date _____

Project: HOUSEWIVES MARKET – 8TH, 9TH, CLAY AND JEFFERSON ST., OAKLAND, CA		Log of Boring/Monitoring Well: **GP-7**
Boring Location: GP-7 (SEE FIGURE 2)	Project No.: 70100-019-04	
Subcontractor and Equipment: VIRONEX/GEOPROBE	Logged By: C. MELANCON	
Sampling Method: CONTINUOUS CORE	Monitoring Device: OVM 580B	Comments:
Start Date/Time: 1/22/98//1330	Finish Date/Time: 1/22/98//1500	
First Water (bgs): ~22.5 FT.	Stabilized Water Level (bgs): NA	

Surface Elevation: NA Casing Top Elevation: NA

Sample Number	PID (ppm)	Depth (Feet)	Recovery	USCS Symbol	Water Level	LITHOLOGIC DESCRIPTION (color, grain size, consistency, moisture, other)
		0				ASPHALT AND BASEROCK
		1				YELLOWISH BROWN (10YR 5/6) SAND (SP) with silt, sand is fine-grained, dense, moist (0,90,10,0)
		2				
		3				
		4				
GP-7-5	0	5				
		6				
		7				
		8				
		9				
GP-7-10	0	10				
	0	11				
		12				
		13				
		14				
GP-7-15	0	15				
		16				
	0	17				
		18				at ~18' becomes very dense
		19				
GP-7-20	0	20				
		21				color change at ~21' to Olive Brown (2.5Y 4/4)
GP-7-21.5	0	22			▽	
	0	23				
		24				
		25				
		26				
		27				
		28				
		29				
		30				

Boring Abandonment/ Well Construction Details



990802 061802 X:\OGS\HWMARKET\GP-07

SECOR

Reviewed By _____ Date _____

Revised By _____ Date _____

Project: HOUSEWIVES MARKET – 8TH, 9TH, CLAY AND JEFFERSON ST., OAKLAND, CA		Log of Boring/Monitoring Well: GP-8
Boring Location: GP–8 (SEE FIGURE 2)	Project No.: 70100–019–04	
Subcontractor and Equipment: VIRONEX/GEOPROBE	Logged By: C. MELANCON	
Sampling Method: CONTINUOUS CORE	Monitoring Device: OVM 580B	Comments:
Start Date/Time: 1/22/98//1200	Finish Date/Time: 1/22/98//1300	
First Water (bgs): ~22.5 FT.	Stabilized Water Level (bgs): ~22.5 FT.	

Surface Elevation: NA Casing Top Elevation: NA

Sample Number	PID (ppm)	Depth (Feet)	Recovery	USCS Symbol	Water Level	LITHOLOGIC DESCRIPTION (color, grain size, consistency, moisture, other)	Boring Abandonment/ Well Construction Details
		0–1				ASPHALT AND BASEROCK	
	0	1–3				YELLOWISH BROWN (10YR 5/6) SAND (SP) *with silt, sand is fine–grained, moist to* wet (0,90,10,0)	
GP–8–5	0	5–6					
	0	7–8					
GP–8–10	0	10–12					Grout
	0	14–15					
GP–8–15		15–18					
	0	18–20					
GP–8–20	0	20–21				at ~20' becomes very dense	
GP–8–21	0	21–22				at ~21' color change to Olive Brown (2.5Y 4/4)	
		22			▽	at ~22.5 wet	
GP–8–23	0	23–24					
		25–31					

100802061605 X:\JOBS\HMMARKET\GP-08

SECOR

Reviewed By _____ Date _____

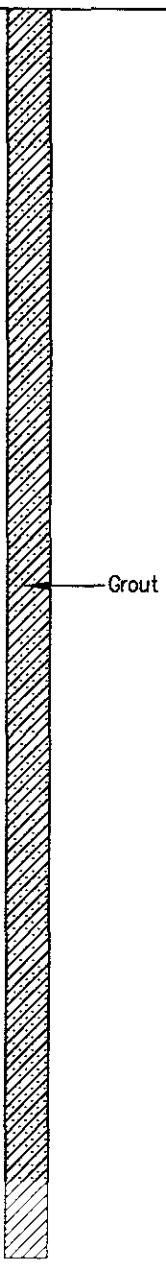
Revised By _____ Date _____

Project: HOUSEWIVES MARKET – 8TH, 9TH, CLAY AND JEFFERSON ST., OAKLAND, CA			Log of Boring/Monitoring Well: **GP-9**
Boring Location: GP-9 (SEE FIGURE 2)		Project No.: 70100-019-04	
Subcontractor and Equipment: VIRONEX/GEOPROBE		Logged By: C. MELANCON	
Sampling Method: CONTINUOUS CORE	Monitoring Device: OVM 580B		Comments:
Start Date/Time: 1/22/98//1600	Finish Date/Time: 1/22/98//1700		
First Water (bgs): ~23.5 FT.	Stabilized Water Level (bgs): NA		

Surface Elevation: NA Casing Top Elevation: NA

Sample Number	Interval Recovery	PID (ppm)	Depth (Feet)	Recovery	USCS Symbol	Water Level	LITHOLOGIC DESCRIPTION (color, grain size, consistency, moisture, other)
			0				ASPHALT AND BASEROCK
			1				YELLOWISH BROWN (10YR 5/6) SAND (SP) with silt, sand is fine-grained, dense, moist (0,90,10,0)
GP-9-5		0	5				
GP-9-10		0	10				
GP-9-15		0	15				
GP-9-20		0	20				at ~20' becomes very dense
GP-9-22		0	22				at ~21' color change to Light Olive Brown (2.5Y 5/4)
GP-9-24		0	24				
			25				
			30				

Boring Abandonment/ Well Construction Details



1998\2 061748 X:\OGS\HMMARKET\GP-09

SECOR

Reviewed By _____ Date _____

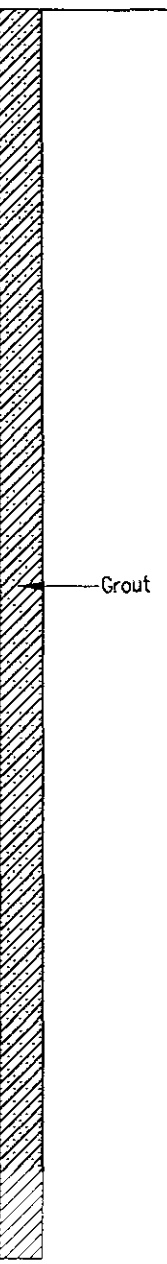
Revised By _____ Date _____

Project: HOUSEWIVES MARKET – 8TH, 9TH, CLAY AND JEFFERSON ST., OAKLAND, CA		Log of Boring/Monitoring Well: **GP-10**
Boring Location: GP-10 (SEE FIGURE 2)	Project No.: 70100-019-04	
Subcontractor and Equipment: VIRONEX/GEOPROBE	Logged By: C. MELANCON	
Sampling Method: CONTINUOUS CORE	Monitoring Device: OVM 580B	Comments:
Start Date/Time: 1/23/98//1130	Finish Date/Time: 1/23/98//1300	
First Water (bgs): ~22.5 FT.	Stabilized Water Level (bgs): NA	

Surface Elevation: NA Casing Top Elevation: NA

Sample Number	PID (ppm)	Depth (Feet)	Recovery	USCS Symbol	Water Level	LITHOLOGIC DESCRIPTION (color, grain size, consistency, moisture, other)
		0				ASPHALT AND BASEROCK
		1				YELLOWISH BROWN (10YR 5/6) SAND (SP) with silt, sand is fine-grained, dense, moist (0,90,10,0)
		2				
		3				
		4				
GP-10-5	0	5				
		6				
		7				
		8				
		9				
GP-10-10	0	10				
		11				
		12				
		13				
		14				
GP-10-15	0	15				
		16				
		17				
		18				
		19				at ~19' color change to Olive Brown (2.5Y 4/4)
GP-10-20	0	20				at ~20' becomes very dense
		21				
GP-10.21.5		22			▽	
	0	23				
		24				
		25				
		26				
		27				
		28				
		29				
		30				

Boring Abandonment/ Well Construction Details



1998\02 061\4 X:\OCS\HWMARKET\GP-10

SECOR

Reviewed By _____ Date _____

Revised By _____ Date _____

APPENDIX C

Laboratory Analytical Reports and Chain-of-Custody Records

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

RECEIVED
FEB - 4 1998

SECOR
90 Montgomery Street
Suite 620
San Francisco, CA 94105
Attn: Chris Desotio

Date:	1/30/98
Date Received:	1/23/98
Date Analyzed:	1/27/98
Project:	70100-014
Sampled By:	Client

Certified Analytical Report

Water Sample Analysis:

Test	*GP-7*	*GP-8*	*GP-9*	*GP-6*	*Units*	*PQL*	*EPA Method #*
Sample Matrix	Water	Water	Water	Water			
Sample Date	1/22/98	1/22/98	1/22/98	1/23/98			
Sample Time	15:20	13:00	17:20	11:00			
Lab #	E2210	E2206	E2207	E2208			
DF-Extractable		1	1	1			
TPH-Extractable (Fuel Scan)	**na**	**ND**	**ND**	**ND**	µg/liter	50.0 µg/l	8015M
DF-Gas/BTEX	1	1	1	1			
TPH-Gasoline	**ND**	**ND**	**ND**	**ND**	µg/liter	50.0 µg/l	8015M
Benzene	**ND**	**ND**	**ND**	**ND**	µg/liter	0.5 µg/l	8020
Toluene	**ND**	**ND**	**ND**	**ND**	µg/liter	0.5 µg/l	8020
Ethyl Benzene	**ND**	**ND**	**ND**	**ND**	µg/liter	0.5 µg/l	8020
Xylenes	**ND**	**ND**	**ND**	**ND**	µg/liter	0.5 µg/l	8020

1. DLR=DF x PQL
2. na: Not Analyzed
3. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #2224)

Michael N. Golden, Lab Director

DF=Dilution Factor
DLR=Detection Reporting Limit

PQL - Practical Quantitation Limit
ND=None Detected at or above DLR

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

SECOR
90 Montgomery Street
Suite 620
San Francisco, CA 94105
Attn: Chris Desotio

Date:	1/30/98
Date Received:	1/23/98
Date Analyzed:	1/26-27/98
Project:	70100-014
Sampled By:	Client

Certified Analytical Report

Water Sample Analysis:

Test	*GP-10*	*GP-5*	*Units*	*PQL*	*EPA Method #*
Sample Matrix	Water	Water			
Sample Date	1/23/98	1/23/98			
Sample Time	13:00	15:30			
Lab #	E2209	E2211			
DF-Extractable	1				
TPH-Extractable (Fuel Scan)	**ND**	**na**	µg/liter	50.0 µg/l	8015M
DF-Gas/BTEX	1	1			
TPH-Gasoline	**ND**	**ND**	µg/liter	50.0 µg/l	8015M
Benzene	**ND**	**ND**	µg/liter	0.5 µg/l	8020
Toluene	**ND**	**ND**	µg/liter	0.5 µg/l	8020
Ethyl Benzene	**ND**	**ND**	µg/liter	0.5 µg/l	8020
Xylenes	**ND**	**ND**	µg/liter	0.5 µg/l	8020

1. DLR=DF x PQL
2. na: Not analyzed
3. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #2224)

Michael N. Golden, Lab Director

DF=Dilution Factor
DLR=Detection Reporting Limit

PQL=Practical Quantitation Limit
ND=None Detected at or above DLR

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

SECOR
90 Montgomery Street
Suite 620
San Francisco, CA 94105
Attn: Chris Desotio

Date:	1/30/98
Date Received:	1/23/98
Date Analyzed:	1/26-28
Project:	70100-014
Sampled By:	Client

Certified Analytical Report

Soil Sample Analysis:

Test	*GP-7,21.5'*	*GP-8, 15'*	*GP-8, 21'*	*GP-9, 15'*	*Units*	*PQL*	*EPA Method #*
Sample Matrix	Soil	Soil	Soil	Soil			
Sample Date	1/22/98	1/22/98	1/22/98	1/22/98			
Sample Time							
Lab #	E2213	E2214	E2215	E2216			
DF-Extractable	1	1	1	1			
TPH-Extractable (Fuel Scan)	**ND**	**ND**	**ND**	**ND**	mg/kg	1.0 mg/kg	8015M
DF-Gas/BTEX	1	1	1	1			
TPH-Gasoline	**ND**	**ND**	**ND**	**ND**	mg/kg	1.0 mg/kg	8015M
Benzene	**ND**	**ND**	**ND**	**ND**	mg/kg	0.005 mg/kg	8020
Toluene	**ND**	**ND**	**ND**	**ND**	mg/kg	0.005 mg/kg	8020
Ethyl Benzene	**ND**	**ND**	**ND**	**ND**	mg/kg	0.005 mg/kg	8020
Xylenes	**ND**	**ND**	**ND**	**ND**	mg/kg	0.005 mg/kg	8020

1. DLR=DF x PQL
2. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #2224)

Michael N. Golden, Lab Director

DF=Dilution Factor
DLR=Detection Reporting Limit
PQL=Practical Quantitation Limit
ND=None Detected at or above DLR

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

SECOR
90 Montgomery Street
Suite 620
San Francisco, CA 94105
Attn: Chris Desotio

Date:	1/30/98
Date Received:	1/23/98
Date Analyzed:	1/26-28/98
Project:	70100-014
Sampled By:	Client

Certified Analytical Report

Soil Sample Analysis:

Test	*GP-9, 22'*	*GP-6, 15'*	*GP-6, 22'*	*GP-10,15'*	*Units*	*PQL*	*EPA Method #*
Sample Matrix	Soil	Soil	Soil	Soil			
Sample Date	1/22/98	1/23/98	1/23/98	1/23/98			
Sample Time							
Lab #	E2217	E2218	E2219	E2220			
DF-Extractable	1	1	1	1			
TPH-Extractable (Fuel Scan)	**ND**	**ND**	**ND**	**ND**	mg/kg	1.0 mg/kg	8015M
DF-Gas/BTEX	1	1	1	1			
TPH-Gasoline	**ND**	**ND**	**ND**	**ND**	mg/kg	1.0 mg/kg	8015M
Benzene	**ND**	**ND**	**ND**	**ND**	mg/kg	0.005 mg/kg	8020
Toluene	**ND**	**ND**	**ND**	**ND**	mg/kg	0.005 mg/kg	8020
Ethyl Benzene	**ND**	**ND**	**ND**	**ND**	mg/kg	0.005 mg/kg	8020
Xylenes	**ND**	**ND**	**ND**	**ND**	mg/kg	0.005 mg/kg	8020

1. DLR=DF x PQL
2. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #2224)

Michael N. Golden, Lab Director

DF=Dilution Factor
DLR=Detection Reporting Limit

PQL=Practical Quantitation Limit
ND=None Detected at or above DLR

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

SECOR
90 Montgomery Street
Suite 620
San Francisco, CA 94105
Attn: Chris Desotio

Date:	1/30/98
Date Received:	1/23/98
Date Analyzed:	1/26-28/98
Project:	70100-014
Sampled By:	Client

Certified Analytical Report

Soil Sample Analysis:

Test	*GP-7, 15'*	*GP-10, 21.5'*	*GP-5, 15'*	*GP-5, 23'*	*Units*	*PQL*	*EPA Method #*
Sample Matrix	Soil	Soil	Soil	Soil			
Sample Date	1/22/98	1/23/98	1/23/98	1/23/98			
Sample Time							
Lab #	E2212	E2221	E2222	E2223			
DF-Extractable	1	1	1	1			
TPH-Extractable (Fuel Scan)	**ND**	**ND**	**ND**	**ND**	mg/kg	1.0 mg/kg	8015M
DF-Gas/BTEX	1	1	1	1			
TPH-Gasoline	**ND**	**ND**	**ND**	**ND**	mg/kg	1.0 mg/kg	8015M
Benzene	**ND**	**ND**	**ND**	**ND**	mg/kg	0.005 mg/kg	8020
Toluene	**ND**	**ND**	**ND**	**ND**	mg/kg	0.005 mg/kg	8020
Ethyl Benzene	**ND**	**ND**	**ND**	**ND**	mg/kg	0.005 mg/kg	8020
Xylenes	**ND**	**ND**	**ND**	**ND**	mg/kg	0.005 mg/kg	8020

1. DLR=DF x PQL
2. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #2224)

Michael N. Golden, Lab Director

DF=Dilution Factor
DLR=Detection Reporting Limit

PQL Practical Quantitation Limit
ND=None Detected at or above DLR

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

QC Batch #: DS980109
Matrix: Soil
Units: mg/Kg

Date analyzed: 01/28/98
Date extracted: 01/28/98
Quality Control Sample: E2221

PARAMETER	Method #	MB mg/Kg	SA mg/Kg	SR mg/Kg	SP mg/Kg	SP %R	SPD mg/Kg	SPD %R	RPD	QC LIMITS RPD	QC LIMITS %R
Diesel	8015M	<1.0	25	ND	25	100	23	92	7.5	25	50-150

Note: LCS and LCSD results reported for the following Parameter:
None

Acceptable LCS and LCSD results are reported when matrix interferences cause MS and MSD results to fall outside established QC limits.

Definition of Terms:

MB: Method Blank
na: Not Analyzed in QC batch
SA: Spike Added
SR: Sample Result
RPD(%): Duplicate Analysis - Relative Percent Difference
SP: Spike Result
SP (%R): Spike % Recovery
SPD: Spike Duplicate Result
SPD (%R): Spike Duplicate % Recovery
NC: Not Calculated

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography

QC Batch #: GBG4980126
Matrix: Soil
Units: ug/kg

Date Analyzed: 01/26/98
Quality Control Sample: E2212

PARAMETER	Method #	MB ug/kg	SA ug/kg	SR ug/kg	SP ug/kg	SP % R	SPD ug/kg	SPD %R	RPD	QC LIMITS (ADVISORY) RPD	QC LIMITS (ADVISORY) %R
Benzene	8020	<5.0	80	ND	74	**92**	78	**98**	5.5	25	50-150
Toluene	8020	<5.0	80	ND	73	**91**	77	**97**	5.8	25	50-150
Ethyl Benzene	8020	<5.0	80	ND	74	**93**	79	**99**	6.2	25	50-150
Xylenes	8020	<5.0	240	ND	228	**95**	237	**99**	3.9	25	50-150
Gasoline	8015	<1000.00	1000	ND	970	**97**	910	**91**	6.4	25	50-150

Note: LCS and LCSD results reported for the following Parameters:
Gasoline

Acceptable LCS and LCSD results are reported when matrix interferences cause MS and MSD results to fall outside established QC limits.

Definition of Terms:

- na: Not Analyzed in QC batch
- MB: Method Blank
- SA: Spike Added
- SR: Sample Result
- RPD(%): Duplicate Analysis - Relative Percent Difference
- SP: Spike Result
- SP (%R): Spike % Recovery
- SPD: Spike Duplicate Result
- SPD (%R): Spike % Recovery
- NC: Not Calculated

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography

QC Batch #: DW980103
Matrix: Water
Units: µg/L

Date analyzed: 01/23/98
Date extracted: 01/23/98
Quality Control Sample: Blank Spike

PARAMETER	Method #	MB µg/L	SA µg/L	SR µg/L	SP µg/L	SP %R	SPD µg/L	SPD %R	RPD	QC LIMITS RPD	QC LIMITS %R
Diesel	8015M	<50.0	950	ND	804	85	862	91	7	25	50-150

Definition of Terms:

- na: Not Analyzed in QC batch
- MB: Method Blank
- SA: Spike Added
- SR: Sample Result
- RPD(%): Duplicate Analysis - Relative Percent Difference
- SP: Spike Result
- SP (%R) Spike % Recovery
- SPD: Spike Duplicate Result
- SPD (%R) Spike Duplicate % Recovery
- NC: Not Calculated

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography

QC Batch #: GBG5980126
Matrix: Water
Units: µg/L

Date Analyzed: 01/26/98
Quality Control Sample: Blank Spike

PARAMETER	Method #	MB µg/L	SA µg/L	SR µg/L	SP µg/L	**SP % R**	SPD µg/L	**SPD %R**	RPD	QC LIMITS (ADVISORY) RPD	QC LIMITS (ADVISORY) %R
Benzene	8020	<0.50	10.0	ND	10.2	**102**	10.6	**106**	3.5	25	50-150
Toluene	8020	<0.50	10.0	ND	10.1	**101**	10.2	**102**	0.8	25	50-150
Ethyl Benzene	8020	<0.50	10.0	ND	9.7	**97**	10.5	**105**	7.9	25	50-150
Xylenes	8020	<0.50	30	ND	30	**100**	31	**104**	4.1	25	50-150
Gasoline	8015	<50.0	625	ND	709	**113**	694	**111**	2.1	25	50-150

Definition of Terms:

- na: Not Analyzed in QC batch
- MB: Method Blank
- SA: Spike Added
- SR: Sample Result
- RPD(%): Duplicate Analysis - Relative Percent Difference
- SP: Spike Result
- SP (%R): Spike % Recovery
- SPD: Spike Duplicate Result
- SPD (%R): Spike % Recovery
- NC: Not Calculated

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: San Francisco
Address: 90 New Montgomery St, Suite 620
San Francisco, CA 94105

☒ Additional documents are attached, and are a part of this Record.

Job Name: City of Oakland - Housewives Market
Location: 9th at Clay
Oakland, CA

Project # 70100-014 Task #
Project Manager Chris Desatio
Laboratory Superior
Turnaround Time Standard / * Hold *

Sampler's Name Charles Melancon
Sampler's Signature

Analysis Request

Sample ID	Date	Time	Matrix	HCID	TPHG/BTEX/WTPH-G 8015 (modified)/8020	TPHd/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals			Comments/ Instructions	Number of Containers
				TPHG/BTEX/WTPH-G 8015 (modified)/8020															
GP-7	1-22-98	15:20	water	*	X													E2210	
GP-8	↓	13:00	↓	X	X													E2206	4
GP-9	↓	17:20	↓	X	X													E2207	4
GP-6	1-23-98	11:00	↓	X	X													E2208	4
GP-10	↓	13:00	↓	X	X													E2209	4
GP-5	↓	15:30	↓		X													E2211	
GP-7, 5'	1-22-98		Soil														*	E2224	1
GP-7, 10'	↓		↓														*	E2225	1
GP-7, 15'	↓		↓	X	X													E2212	1
GP-7, 20'	↓		↓														*	E2226	1

Special Instructions/Comments:
* Hold pending instructions

Relinquished by:
Sign
Print Charles Melancon
Company SECOR
Time 15:40 Date 1-23-98

Received by:
Sign
Print E Jimenez
Company World Courier
Time 3:10 PM Date 1-23-98

Sample Receipt
Total no. of containers:
Chain of custody seals:
Rec'd. in good condition/cold:
Conforms to record:

Relinquished by:
Sign
Print E Jimenez
Company World Courier
Time 815 Date 1-23-98

Received by:
Sign
Print Brenda Goff
Company Entech
Time 6:45 Date 1/23/98

Client:
Client Contact:
Client Phone:

Date: 1/23/98 Page 1 of 4

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: San Francisco
Address: 90 New Montgomery St. Suite 620
San Francisco, CA 94105

☒ Additional documents are attached, and are a part of this Record.

Job Name: City of Oakland - Housewives Market
Location: 9th at Clay
Oakland, CA

Project # 70100-014 Task #
Project Manager Chris Resetic
Laboratory S-Ferrero
Turnaround Time Standard / * Hold *

Sampler's Name Charles Mulanax
Sampler's Signature

Analysis Request

Sample ID	Date	Time	Matrix	HCID EPA Seq (Lined) TPH Sieve	TPHg/BTEX/WTPH-G 8015 (modified)/8020	TPHd/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals			Comments/ Instructions	Number of Containers
GP-7, 21.5'	1-22-98		Soil	X	X													B2213	1
GP-8, 5'																	*	B2227	1
GP-8, 10'																	*	B2228	1
GP-8, 15'				X	X													B2214	1
GP-8, 20'																	*	B2229	1
GP-8, 21'				X	X													B2215	1
GP-8, 23'																	*	B2230	1
GP-9, 5'																	*	B2231	1
GP-9, 10'																	*	B2232	1
GP-9, 15'				X	X													B2216	1

Special Instructions/Comments:
* Hold pending instructions

Relinquished by:
Sign
Print Charles Mulanax
Company SECOR
Time 15:40 Date 1-23-98

Received by:
Sign
Print E Jimenez
Company Work Courier
Time 340 pm Date 1-23-98

Relinquished by:
Sign
Print E Jimenez
Company Work
Time 515 Date 1-23-98

Received by: Brenda Goff
Sign
Print Brenda Goff
Company Entech
Time 515 Date 1/23/98

Sample Receipt
Total no. of containers:
Chain of custody seals:
Rec'd. in good condition/cold:
Conforms to record:

Client:
Client Contact:
Client Phone:

SECOR USFTC Rev '96

Date: 1/23/98 Page 2 of 24

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: San Francisco
Address: 90 New Montgomery St., Suite 620
San Francisco, CA 94105

☒ Additional documents are attached, and are a part of this Record.

Job Name: City of Oakland - Housewives Market
Location: 9th & Clay
Oakland, CA

Project # 70100-014 Task #
Project Manager Chris Resodio
Laboratory Superior
Turnaround Time Standard / * Hold *

Sampler's Name Charles McLemore
Sampler's Signature

Analysis Request

Sample ID	Date	Time	Matrix	HCID (TPH signal) E2b 8015 modified	TPHg/BTEX/WTPH-G 8015 (modified)/8020	TPHd/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals			Comments/ Instructions	Number of Containers
BP-9, 20'	1-23-98		Soil															* E2233	1
BP-9, 22'	↓		↓	X	X													E2217	1
BP-9, 24'																		* E2234	1
BP-6, 5'	1-23-98																	* E2235	1
BP-6, 10'																		* E2236	1
BP-6, 15'				X	X													E2218	1
BP-6, 20'																		* E2237	1
BP-6, 22'				X	X													E2219	1
BP-6, 23'																		* E2238	1
BP-10, 5'	↓		↓															* E2239	1

Special Instructions/Comments:
* Hold Pending instructions

Relinquished by:
Sign
Print Charles McLemore
Company SECOR
Time 15:40 Date 1-23-98

Received by:
Sign
Print E. Jimenez
Company World Couriers
Time 3:10 pm Date 1-23-98

Relinquished by:
Sign
Print E. Jimenez
Company World
Time 6:45 Date 1-23-98

Received by:
Sign
Print Brenda Goff
Company Entech
Time 5:45 Date 1/23/98

Sample Receipt
Total no. of containers:
Chain of custody seals:
Rec'd. in good condition/cold:
Conforms to record:

Client:
Client Contact:
Client Phone:

Date: 1/23/98 Page 3 of 34

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: San Francisco
Address: 70 New Montgomery St. Suite 620
San Francisco, CA 94105

☐ Additional documents are attached, and are a part of this Record.

Job Name: City of Oakland - Housewives Market
Location: 9th & Clay
Oakland, CA

Project #: 7c/cc 014 Task #:
Project Manager: Chris Kostic
Laboratory: S-F, CA
Turnaround Time: Standard/*Hold*

Sampler's Name: Charles Mclaughlin
Sampler's Signature:

Analysis Request

Sample ID	Date	Time	Matrix	HCID TPH Screen EPA 8015 (modified)	TPHg/BTEX/WTPH-G 8015 (modified)/8020	TPHd/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals			Comments/ Instructions	Number of Containers
CP 10' 10'	1-23-98		Soil															* G2240	1
CP 10' 15'				X	X													G2220	1
CP 10' 20'																		* G2241	1
CP 10' 21.5'				X	X													G2221	1
CP 5' 5'																		* G2242	1
CP 5' 10'																		* G2243	1
CP 5' 15'				X	X													G2222	1
CP 5' 20'																		* G2244	1
CP 5' 23'				X	X													G2223	1

Special Instructions/Comments:
* Hold Pending instructions

Relinquished by:
Sign
Print Charles McLaughlin
Company SECOR
Time 15:40 Date 1-23-98

Received by:
Sign
Print E Jimenez
Company World Courier
Time 3:10 pm Date 1-23-98

Sample Receipt
Total no. of containers:
Chain of custody seals:
Rec'd. in good condition/cold:
Conforms to record:

Relinquished by:
Sign
Print E Jimenez
Company World Courier
Time 4:45 Date 1-23-98

Received by:
Sign
Print Brenda Goff
Company Entech
Time 5:45 Date 1/23/98

Client:
Client Contact:
Client Phone:

Date: 1/23/98 Page 4 of 4