ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

ENVIRONMENTAL HEALTH DEPARTMENT
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

December 15, 2014

East Bay Bridge Retail LLC
c/o Darlene Houge
1626 East Jefferson St.
Rockville, MD 94607-20852

Catellus Development Corporation
n/k/a PAC Operating Limited Partnership
4545 Airport Way
Denver, CO 80239
Attn: General Counsel

Prologis Logistics Services, Inc.
4545 Airport Way
Denver, CO 80239
Attn: General Counsel

Emeryville Retail Properties, LP
18201 Von Karman Ste 1170
Irvine, CA 92612

Clipper Exxpress Company
3871 San Pablo Avenue
Emeryville, CA 94608

Subject: Case Closure for Fuel Leak Case No. RO0003093 (Global ID T10000004342) - Yerba Buena - East Bay Bridge Center, 3838 Hollis Street, Emeryville and Oakland, CA 94608

Dear Responsible Parties:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25296.10[g]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (http://geotracker.waterboards.ca.gov) and the Alameda County Environmental Health website (http://www.acgov.org/aceh/index.htm).

Due to residual contamination, the site was closed with Site Management Requirements that limit future land use to the current commercial land use. Site Management Requirements are further described in section IV of the attached Case Closure Summary.

If you have any questions, please call Keith Nowell at (510) 567 - 7674. Thank you.

Sincerely,

Dilan Roe

Dilan Roe, P.E.
LOP and SCP Program Manager

Enclosures:
1. Remedial Action Completion Certification
2. Case Closure Summary

Cc w/enc.: Leroy Griffin, Oakland Fire Department 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 (sent via electronic mail to lgriffin@oaklandnet.com)

City of Emeryville Planning Division, 1333 Park Avenue, Emeryville, CA 94608

Case Worker (sent via electronic mail to keith.nowell@acgov.org)
eFile, GeoTracker

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
FAX (510) 337-9135

REMEDIAL ACTION COMPLETION CERTIFICATION

December 15, 2014

East Bay Bridge Retail LLC
c/o Darlene Houge
1626 East Jefferson St.
Rockville, MD 94607-20852

Catellus Development Corporation
n/k/a PAC Operating Limited Partnership
4545 Airport Way
Denver, CO 80239
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Subject: Case Closure for Fuel Leak Case No. RO0003093 (Global ID T10000004342) - Yerba Buena - East Bay Bridge Center, 3838 Hollis Street, Emeryville and Oakland, CA 94608

Dear Responsible Parties:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

Please be aware that claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

Ariu Levi
Director

UST Case Closure Summary Form

Agency Information

Date: 12/15/2014

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6764
Staff Person: Keith Nowell	Title: Hazardous Materials Specialist

Case Information

Facility Name: Yerba Buena/ East Bay Bridge Center		
Facility Address: 3838 Hollis St, Emeryville and 3838 Hollis St., Oakland, and 3839 Emery St., Emeryville, CA 94608. Formerly 3871 San Pablo Ave., Emeryville, CA and 1268 Yerba Buena Ave., Emeryville, CA		
RB LUSTIS Case No: :01S0226	Local Case No.: ---	LOP Case No.: RO0003093
URF Filing Date: ---	GeoTracker Global ID: T10000004342	
APN: 49-619-2, 49-619-3, & 49-619-5	Current Land Use: Commercial	
Responsible Party(s):	Address:	Phone:
Clipper Exxpress	3871 San Pablo Avenue Emeryville, CA 94608	Unknown
Catellus Land Development Corp nka. PAC Operating Limited Partnership	4545 Airport Way Denver, CO 80239-5716	310 / 416 - 8681
Prologis Logistics Services Inc.	4545 Airport Way Denver, CO 80239-5716	303 / 567 - 5000
Federal Realty Investment Trust dba East Bay Bridge Retail LLC	1626 East Jefferson St Rockville, MD 94607-20852	301 / 998 - 8345
Emeryville Retail Properties, LP	18201 Von Karman, Suite 1170 Irvine, CA 92612	949 / 545 - 0500

Tank Information

Tank No.	Size (gal)	Contents	Closed in-Place/ Removed/Active	Date
1	10,000	Diesel	Removed	November 1990
2	2,000	Fuel oil	Removed	10/01/1993
3	1,500	Fuel oil	Removed	10/01/1993
Piping			Removed	1990 & 1993

Conceptual Site Model (Attachment 1, 4 pages)

Closure Criteria Met (Attachment 2, 2 pages)

LTCP Groundwater Specific Criteria (Attachment 3, 1 page)

LTCP Vapor Specific Criteria (Attachment 4, 1 page)

LTCP Direct Contact and Outdoor Air Exposure Criteria (Attachment 5, 1 page)

Site map(s) (Attachment 6, 28 pages)

Analytical Data (Attachment 7, 79 pages)

Additional Information:

Site Management Requirements: This fuel leak case has been evaluated for closure consistent with the State Water Resource Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Concentrations of PAHs exceed the Direct Contact Residential criteria but are below the Commercial /Industrial criteria. Under the current land use, the site is paved or covered by concrete tilt-up structures resulting in a low potential for direct contact exposure under the current land use. Therefore, case closure is granted for the current commercial land use.

Due to the site receiving heavy petroleum hydrocarbon-impacted soil (TPH) from the surrounding properties comprising the Yerba Buena/East Baybridge redevelopment project, a deed restriction and Site Management Plan have been executed for the site.

If a change in land use to any residential, or conservative land use, or if any redevelopment occurs, Alameda County Environmental health (ACEH) must be notified as required by Government Code Section 65850.2.2. ACEH will re-evaluate the case upon receipt of approved development/construction plans.

Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination on site.

UST Case Closure Summary Form

RWQCB Notification Notification Date: 12/05/2014

RWQCB Staff Name: Cherie McCaulou	Title: Engineering Geologist

Local Agency Representative

Prepared by: Keith Nowell	Title: Hazardous Materials Specialist
Signature: Keith Nowell	Date: 12/16/2014
Approved by: Dilan Roe	Title: LOP and SCP Program Manager
Signature: Dilan Roe	Date: 12/16/2014

This Case Closure Summary along with the Case Closure Transmittal letter and the Remedial Action Completion Certification provides documentation of the case closure. This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions. The Conceptual Site Model may not contain all available data. Additional information on the case can be viewed in the online case file. The entire case file can be viewed over the Internet on the Alameda County Environmental Health (ACEH) website (http://www.acgov.org/aceh/lop/ust.htm) or the State of California Water Resources Control Board GeoTracker website (http://geotracker.waterboards.ca.gov). Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the ACEH website either under RO0003093 or the master case file for the entire Yerba Buena/East Baybridge redevelopment project RO0000049.

ATTACHMENT 1

YERBA BUENA - EAST BAY BRIDGE CENTER (T10000004342) - MAP THIS SITE *OPEN - ELIGIBLE FOR CLOSURE*

3838 HOLLIS ST
EMERYVILLE , CA 94608
ALAMEDA COUNTY

ACTIVITIES REPORT
PUBLIC WEBPAGE

VIEW PRINTABLE CASE SUMMARY FOR THIS SITE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0003093*
CASEWORKER: *KEITH NOWELL* - ***SUPERVISOR:*** *DILAN ROE*
SAN FRANCISCO BAY RWQCB (REGION 2)
CASEWORKER: *Cherie McCaulou* - ***SUPERVISOR:*** *Cheryl L. Prowell*

CR Site ID #: NOT SPECIFIED

THERE ARE 5 OTHER CASES ASSOCIATED WITH THIS CASE - SHOW

THIS PROJECT WAS LAST MODIFIED BY ***KEITH NOWELL*** ON 12/16/2014 2:17:56 PM - HISTORY

CSM REPORT - VIEW PUBLIC NOTICING VERSION OF THIS REPORT

UST CLEANUP FUND CLAIM INFORMATION (DATA PULLED FROM SCUFIIS)

CLAIM NO	PRIORITY	CLAIMANT	SITE ADDRESS	AMT REIMB TO DATE	AGE OF LOC	IMPACTED WELLS?	FIVE YEAR REVIEW INFORMATION: REVIEW NUM	REVIEWER	FUND RECOMMENDATION	TO OVERSIGHT DATE	TO CLAIMANT DATE

PROJECT INFORMATION (DATA PULLED FROM GEOTRACKER) - MAP THIS SITE

SITE NAME / ADDRESS	STATUS	STATUS DATE	RELEASE REPORT DATE	AGE OF CASE	CLEANUP OVERSIGHT AGENCIES
YERBA BUENA - EAST BAY BRIDGE CENTER (Global ID: T10000004342) 3838 HOLLIS ST EMERYVILLE, CA 94608	Open - Eligible for Closure	8/2/2013	4/8/1996	19	ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0003093* ***CASEWORKER:*** *KEITH NOWELL* - ***SUPERVISOR:*** *DILAN ROE* SAN FRANCISCO BAY RWQCB (REGION 2) ***CASEWORKER:*** *Cherie McCaulou* - ***SUPERVISOR:*** *Cheryl L. Prowell*

STAFF NOTES (INTERNAL)
Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the Alameda County Environmental Health website at https://ehgis.acgov.org/dehpublic/dehpublic.jsp. Not all files may be files may be found under RO0003093. Please review RO0000049 for additional file information.

SITE HISTORY
The 17-acre Yerba Buena/ East Bay Bridge Center (YB/EBBC) fuel leak case was opened on October 9, 2012 by Alameda County Environmental Health (ACEH) to address impacts associated with this project. Documents historically associated with this fuel leak case were originally place in fuel leak case RO0000049 -Ransome Company. The Ransome Company fuel leak case was used as the sole repository for all documents for the greater 52-acre redevelopment project named the East Baybridge Center (EBC).

The YB/EBBC property was owned by the Atchison, Topeka and Santa Fe (AT&SF) Railway Company. Through mergers, acquisitions, and spinoffs, the AT&SF transferred land holdings to a subsidiary, the Santa Fe Pacific Realty Corporation (SFPRC), and then to Catellus Development Corporation (Catellus), a SFPRC subsidiary. Catellus became independent from SFPRC in 1990. Catellus developed the approximate 17-acre YB/EBBC property as part of a larger 52-acre EBC redevelopment project. Catellus merged with ProLogis in 2005. The project at the time of the ProLogis merger was identified as the “East Bay Bridge Shopping Center”. The current owner is Federal Reality Investment Trust, dba East Bay Bridge Retail LLC.

The portion of the EBC comprising the Yerba Buena/ East bay Bridge Center consists of three parcels having APNs 49-619-2, 49-619-3, and 49-619-5. The YB/EBBC site is bounded by West MacArthur Boulevard to the south, Emery Street to the east and Hollis Street to the west and the Bridecourt apartment complex, which fronts 40th Street, to the north. The YB/EBBC property is commercially developed with approximately 215,000 sq ft of “tilt-up” single-story retail space and about 380,000 sq. ft. of paved parking. The YB/EBBC consists of three parcels and occupies pre-development regions known as former Area A and the southwestern portion of Area B. The separation of the former Areas A and B was the east-west trending Yerba Buena Avenue. The YB/EBBC site does not include the portions of Area A and Area B east of Emery Street or the portion off Area B fronting 40th Street occupied by the Bridgecourt Apartments.

Records indicate that prior to the current development, the most recent tenants of the YB/EBBC property were Santa Fe Terminal Services (SFTS), operating on the western portion of Area A, Clipper Exxpress Company (Clipper), which operated an approximately 60,000 sq-ft warehouse located in the south eastern portion of the site, and LDS warehouse located on the southern portion of Area B. The Clipper and LDS warehouses were leased from the SFPRC and were serviced by railroad spurs along the northern side of their respective warehouses. Clipper operated from the 1960s and LDS operated from about 1980. Operations continued until about 1990 when the warehouses were demolished. Operations at Clipper included carloading, material storage (including quantities of oxides, acid rinse, and chlorinated alkaline cleaner) and freight transfer. Clipper operated a diesel 10,000-gallon UST. Operations at LDS included carloading, material storage and freight transfer, and truck rental. SFTS occupied the western portion of the property by the 1970s and used it for storage of truck trailers on un-paved ground. Though no documentation of tank operations were reported, two heating oil USTs were encountered on the SFTS portion of the property during preparation for site redevelopment.

Historical documentation indicates that from at least 1911 to 1925, the Area A portion of the YB/EBBC property was the site of railcar repair and maintenance shops associated with the Oakland Traction Company, the Key System Limited, the Key System Transit lines,

and the East Bay Transit Company. During this period Area A contained a number of buildings that housed a variety of operations, including foundries, car repair and painting, paint and oil storage, a blacksmith shop and engine room, auto and bus repair, and a sheet metal workshop. The eastern portion of Area A was occupied in 1931 and 1940 by an auto storage and wrecking yard, a print shop and a hay and grain warehouse. By 1959 all the buildings had been destroyed. The LDS warehouse was constructed circa 1910 while the Clipper warehouse was built in the in the late 1960s. The LDS and Clipper buildings were demolished 1990 in preparation for future site redevelopment.

Environmental investigations were conducted from 1989 through 1991 and included a review of recent and historical usage of the site, a review of previous investigations, several rounds of intrusive investigations for the recovery of soil and water samples for laboratory analysis, a soil gas survey, and water sampling that included grab-groundwater samples recovered from soil borings, samples collected from groundwater monitoring wells, and samples collected from open excavations. In addition, three underground storage tanks were removed from the site.

The Clipper diesel 10,000-gallon UST was removed in November 1990 by a contractor working on Clipper's behalf. Analysis of excavation floor and sidewall samples indicated concentrations less than 18 ppm TPHd and total petroleum hydrocarbons as oil (TPHo) and ND for BTEX. ACHA letter (January 24, 1991) approved excavation backfilling and did not request further investigation or cleanup. SFTS occupied the western portion of the property by the 1970s and used it for storage of truck trailers on un-paved ground.

Site characterization studies were conducted from 1989 through 1991. The results of the soils investigations revealed the presence of concentrations of up to 14,000 mg/kg TPHo. Toluene and ethyl benzene were reported at concentrations up to 0.29 mg/kg and 0.019 mg/kg, respectively. Pyrene was reported in one sample at a concentration of 0.39 mg/kg. Concentrations of TPHg, TPHd, benzene, and xylenes were documented below the laboratory reporting limit for the site soils. Maximum metals concentrations included As up to 26 mg/kg, Cd 2.8 mg/kg, Cr to 58 mg/kg, Ni to 68 mg/kg, Cu to 640 mg/kg, Pb to 1,400 mg/kg, and Zn to 410 mg/kg. Delineation of the lead impacted area indicated it was localized, and in June 1991, approximately 360 cubic yards of lead-impacted soil was excavated and transported to a US Ecology facility near Beatty, Nevada for disposal. Confirmation samples contained residual lead concentrations of up to 150 mg/kg. The excavation was backfilled with clean aggregate base import material. Subsequent mass grading resulted in dispersing the residual pockets of elevated metals.

Site cleanup criteria were established with Alameda County Health Care Services Agency (ACHA), predecessor to the Alameda County Department of Environmental Health (ACDEH) in January 1991. The cleanup criteria consisted of 1,000 mg/kg total oil and grease (TOG), 100 mg/kg total petroleum hydrocarbons as diesel (TPHd), 10 mg/kg total petroleum hydrocarbons as gasoline (TPHg), and 1 mg/kg benzene, toluene, ethyl benzene, and xylenes (BTEX) (combined). A 1992 revision to the clean up levels reduce the benzene concentration to non-detect. Clean up levels for metals were their respective Total Threshold Limit Concentrations (TTLCs).

Grab groundwater samples recovered during the site characterization studies documented up to 200 ug/l TPHg. The grab groundwater samples tested below the laboratory reporting limits for TPHd, TPHo, benzene, toluene, ethylbenzene, and xylenes (BTEX) compounds. Metals in the grab groundwater samples were to contain up to 3 ug/L arsenic (As), 1,000 ug/L nickel (Ni), selenium (Se) to 3 ug/L, and zinc (Zn) up to 26 ug/L.

Three shallow (screened to or above 25 feet below the ground surface- bgs) on-site groundwater monitoring wells, LF-3, LF-4, and LF-6, were installed during January 1990. Three additional shallow monitoring wells were installed in April 1990– (LF-17, LF-18, and LF-19) in the down gradient direction of LF-4. Two wells were installed to monitor deeper (intermediate) groundwater and establish vertical hydraulic gradients, were installed in the vicinity of LF-4 and LF-5, and designated LF-4D and LF-5D, respectively. LF-4D and LF-5D were screened in the interval of 29-feet to 39 feet bgs and 44 feet to 34 feet bgs, respectively. A third well, LF-4Z, was installed in the vicinity of LF-4 for the purpose of monitoring groundwater underlying LF-4D. Well LF-4Z was screened at the interval of 52 feet to 62 feet bgs. One intermediate (19D) well was installed in July 1991. LF-19D was installed adjacent to LF-19, but screened deeper (between 31 feet and 45 feet bgs). The two shallow wells were installed down gradient of the LF-19, just west of former Area A.

TPH compound analysis was limited to a few wells (LF-3, LF-4, LF-5, and LF-19) and performed for extractable range hydrocarbons only on a semiannual basis. Maximum concentrations of TPHd and TPHo reported in the pre-grading wells were 334 ug/L and 380 ug/L, respectively. TPHg concentrations were not reported above the laboratory reporting limits in any of the pre-grading monitoring wells. Pre-grading groundwater levels at YB/EBBC ranged from 4.41 feet bgs to 19.83 feet bgs. The on-site LF-designated groundwater monitoring wells were destroyed in July 1993 in preparation of grading activities.

In accordance with the Soil Containment Plan, stockpiled TPH-impacted soil from the greater 52-acre EBC project was placed as engineered fill throughout the YB/EBBC property. Other than the heavier ranged petroleum hydrocarbons, the stockpiled soil met the 10 mg/kg TPHg, 1 mg/kg toluene, ethylbenzene, and xylenes (TEX) (combined), and the non-detect benzene concentration criteria. After placement, the soil would be capped by impermeable asphaltic concrete pavement or be covered by building pads. Residual concentrations of TPHd, TPHo, and TOG, documented up to 260 mg/kg, 4,400 mg/kg, and 18,000 mg/kg, respectively, were left in place at the site. In July 1994, replacement shallow wells MW -3 through MW-9, intermediate wells MW-6D, MW-7D and MW-9D, and deeper well MW-7Z were installed in the approximate locations of the LF-designated wells to monitor effects to groundwater due to the placement of TPH-impacted soil.

Post-grading groundwater levels ranging from 8.51 feet bgs to 17.15 feet bgs. Maximum concentrations of TPHg, TPHd, and TPHo reported during the final year (2001) for the post-grading monitoring wells were <50 ug/L, 88 ug/L and <200 ug/L, respectively. TPHg/d/o and BTEX concentrations were not reported above the laboratory reporting limits in any intermediate or deep of the pre- or post-grading monitoring wells. Based on the groundwater investigations it was determined the groundwater quality was not significantly affected by the presence of the heavy TPH fraction in the soil in spite of the relatively shallow groundwater. A review of the data trend over the seven years of groundwater monitoring revealed decreasing TPHg concentrations – reported as high as 200 ug/L in B-4 on January 26, 1990 to <50 ug/L (in well MW-3) for the final groundwater monitoring event conducted on December 7, 2001, and a stable- to decreasing TPHd concentrations reported as high as 334 ug/L in EX-4 on December 17, 1996 to 88 ug/L in MW-7 during the final year of groundwater monitoring (August 15, 2001). Concentrations of benzene, ethyl benzene, and naphthalene were not reported above laboratory reporting limits in any of the groundwater samples recovered at the site during the eleven years of groundwater sampling.

The RWQCB was the lead agency for a separate case at the YB-EBB site, which was open between 1992 and 2002. Volatile organic compound (VOC) -affected groundwater was identified in former Area A and southern portion of former Area B. The RWQCB case for the VOCs is not associated with Alameda County's LUST case. The RWQCB listed the site as the East Baybridge Center, Yerba Buena and Hollis, Emeryville, Alameda County, RWQCB file number is 01S0226, and Global ID of T0600191518. The RWQCB issued a No Further Action letter in June 2002.

RESPONSIBLE PARTIES

NAME	ORGANIZATION	ADDRESS	CITY	EMAIL
CLIPPER EXXPRESS	Clipper Exxpress	3871 SAN PABLO AVE	EMERYVILLE	
DARLENE HOUGE	Federal Reality Investment Trust	1626 EAST JEFFERSON ST	ROCKVILLE	dhough@federalrealty.com
EMERYVILLE RETAIL PROPERTIES, LP	Emeryville Retail Properties, LP	18201 VON KARMEN, SUITE 1170	IRVINE	
GENERAL COUNSEL	PAC OPERATING LIMITED PARTNERSHIP	4545 AIRPORT WAY	DENVER	
c/o GENERAL COUNSEL	PROLOGIS LOGISTICS SERVICES INC	4545 AIRPORT WAY	DENVER	amalhotra@prologis.com

CLEANUP ACTION INFO

NO CLEANUP ACTIONS HAVE BEEN REPORTED

RISK INFORMATION VIEW LTCP CHECKLIST VIEW PATH TO CLOSURE PLAN VIEW CASE REVIEWS

CONTAMINANTS OF CONCERN	CURRENT LAND USE	BENEFICIAL USE	DISCHARGE SOURCE	DATE REPORTED	STOP METHOD	NEARBY / IMPACTED WELLS
Lead, Benzene, Crude Oil, Diesel, Ethylbenzene, Gasoline, Toluene, Total Petroleum Hydrocarbons (TPH), Waste Oil / Motor / Hydraulic / Lubricating, Xylene	Commercial		Other	4/8/1996	Close and Remove Tank	0

FREE PRODUCT	OTHER CONSTITUENTS	NAME OF WATER SYSTEM	LAST REGULATORY ACTIVITY	LAST ESI UPLOAD	LAST EDF UPLOAD	EXPECTED CLOSURE DATE	MOST RECENT CLOSURE REQUEST
NO	YES	EBMUD	10/16/2014				

CDPH WELLS WITHIN 1500 FEET OF THIS SITE

NONE

CALCULATED FIELDS (BASED ON LATITUDE / LONGITUDE)

APN
049 061900200

GW BASIN NAME
Santa Clara Valley - East Bay Plain (2-9.04)

WATERSHED NAME
Bay Bridges - Berkeley (20330)

COUNTY
Alameda

PUBLIC WATER SYSTEM(S)
- **EAST BAY MUD** - 375 ELEVENTH STREET, OAKLAND, CA 94607

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN GROUNDWATER - SHOW VIEW ESI SUBMITTALS

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN SOIL - SHOW VIEW ESI SUBMITTALS

MOST RECENT GEO_WELL DATA - SHOW VIEW ESI SUBMITTALS

LOGGED IN AS KNOWELL CONTACT GEOTRACKER HELP

ATTACHMENT 2

LTCP Checklist Go

GEOTRACKER HOME | MANAGE PROJECTS | REPORTS

YERBA BUENA - EAST BAY BRIDGE CENTER (T10000004342) - MAP THIS SITE

OPEN - ELIGIBLE F

3838 HOLLIS ST
EMERYVILLE , CA 94608
ALAMEDA COUNTY

VIEW PRINTABLE CASE SUMMARY FOR THIS SITE

ACTIVITIES REPORT
PUBLIC WEBPAGE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0003093*
CASEWORKER: *KEITH NOWELL* - ***SUPERVISOR:*** *DILAN ROE*
SAN FRANCISCO BAY RWQCB (REGION 2)
CASEWORKER: *Cherie McCaulou* - ***SUPERVISOR:*** *Cheryl L. Prowell*

CR Site ID #: NOT SPECIFIED

THERE ARE 5 OTHER CASES ASSOCIATED WITH THIS CASE - SHOW

THIS PROJECT WAS LAST MODIFIED BY ***KEITH NOWELL*** ON 12/15/2014 10:05:38 AM - HISTORY

CLOSURE POLICY

THIS VERSION IS FINAL AS OF 12/15/2014

CHECKLIST INITIATED ON 8/2/2013

CLOSURE F

General Criteria - *The site satisfies the policy general criteria* - CLEAR SECTION ANSWERS — **NO**

a. Is the unauthorized release located within the service area of a public water system?
Name of Water System : EBMUD

b. The unauthorized release consists only of petroleum (info).
Contaminants : ☐ Chlorobenzene ☐ PCE ☐ TCE ☐ Chloroform ☐ Vinyl Chloride ☐ Bromoform
☑ **Other:** Lead

c. The unauthorized ("primary") release from the UST system has been stopped.

d. Free product has been removed to the maximum extent practicable (info). — ◉ FP Not Encountered

e. A conceptual site model that assesses the nature, extent, and mobility of the release has been developed (info).

f. Secondary source has been removed to the extent practicable (info).

g. Soil or groundwater has been tested for MTBE and results reported in accordance with Health and Safety Code Section 25296.15. — ◉ Not Required

h. Does a nuisance exist, as defined by Water Code section 13050.

1. Media-Specific Criteria: Groundwater - *The contaminant plume that exceeds water quality objectives is stable or decreasing in areal extent, and meets all of the additional characterist of one of the five classes of sites listed below.* - CLEAR SECTION ANSWERS

EXEMPTION - Soil Only Case (Release has not Affected Groundwater - Info)

Does the site meet any of the Groundwater specific criteria scenarios?

1.1 - The contaminant plume that exceeds water quality objectives is <100 feet in length. There is no free product. The nearest existing water supply well or surface water body is >250 feet from the defined plume boundary.

2. Media Specific Criteria: Petroleum Vapor Intrusion to Indoor Air - *The site is considered low-threat for the vapor-intrusion-to-air pathway if site-specific conditions satisfy items 2a, 2b or 2c* - CLEAR SECTION ANSWERS

EXEMPTION - Active Commercial Petroleum Fueling Facility

Does the site meet any of the Petroleum Vapor Intrusion to Indoor Air specific criteria scenarios?

ADDITIONAL QUESTIONS - Please indicate only those conditions that do not meet the policy criteria:

Soil Gas Samples :
○ No Soil Gas Samples ○ Taken Incorrectly

Exposure Type :
○ Residential ◉ Commercial

Free Product :
○ In Groundwater ○ In Soil ○ Unknown

TPH in the Bioattenuation Zone :
◉ ≥ 100 mg/kg ○ Unknown ○ Soil samples not taken at two depths within 5 ft. zone (only for Scenario 4 with BioZone)

Bioattenuation Zone Thickness :
○ < 5 Feet (No BioZone) ◉ ≥ 5 Feet and < 10 Feet ○ ≥ 10 Feet and < 30 Feet ○ ≥ 30 Feet ○ 30ft BioZone Compromised TPH > 100mg/kg ○ Unknown

O2 Data in Bioattenuation Zone :
◉ No O_2 Data ○ O_2 < 4% ○ O_2 ≥ 4%

Benzene in Groundwater :
○ ≥ 100 µg/l and < 1,000 µg/l ○ ≥ 1,000 µg/l ○ Unknown

Soil Gas Benzene :
○ ≥ 85 µg/m^3 and < 280 µg/m^3 ○ ≥ 280 µg/m^3 and < 85,000 µg/m^3 ○ ≥ 85,000 µg/m^3 and < 280,000 µg/m^3 ○ ≥ 280,000 µg/m^3 ◉ Unknown

Soil Gas EthylBenzene :
○ ≥ 1,100 µg/m^3 and < 3,600 µg/m^3 ○ ≥ 3,600 µg/m^3 and < 1,100,000 µg/m^3 ○ ≥ 1,100,000 µg/m^3 and < 3,600,000 µg/m^3 ○ ≥ 3,600,000 µg/m^3 ◉ Unknown

Soil Gas Naphthalene :
○ ≥ 93 µg/m^3 and < 310 µg/m^3 ○ ≥ 310 µg/m^3 and < 93,000 µg/m^3 ○ ≥ 93,000 µg/m^3 and < 310,000 µg/m^3 ○ ≥ 310,000 µg/m^3 ◉ Unknown

3. Media Specific Criteria: Direct Contact and Outdoor Air Exposure - *The site is considered low-threat for direct contact and outdoor air exposure if it meets 1, 2, or 3 below.* - CLEAR SECTION ANSWERS

EXEMPTION - The upper 10 feet of soil is free of petroleum contamination

Does the site meet any of the Direct Contact and Outdoor Air Exposure criteria scenarios?

ADDITIONAL QUESTIONS - Please indicate only those conditions that do not meet the policy criteria:

Exposure Type :
○ Residential ○ Commercial ○ Utility Worker

Petroleum Constituents in Soil :
◉ ≤ 5 Feet bgs ○ >5 Feet bgs and ≤10 Feet bgs ○ Unknown

Soil Concentrations of Benzene :
○ > 1.9 mg/kg and ≤ 2.8 mg/kg ○ > 2.8 mg/kg and ≤ 8.2 mg/kg ○ > 8.2 mg/kg and ≤ 12 mg/kg ○ > 12 mg/kg and ≤ 14 mg/kg ○ > 14 mg/kg ○ Unknown

Soil Concentrations of EthylBenzene :

○ > 21 mg/kg and ≤ 32 mg/kg ○ > 32 mg/kg and ≤ 89 mg/kg ○ > 89 mg/kg and ≤ 134 mg/kg ○ > 134 mg/kg and ≤ 314 mg/kg ○ > 314 mg/kg ○ Unknown

Soil Concentrations of Naphthalene :

○ > 9.7 mg/kg and ≤ 45 mg/kg ○ > 45 mg/kg and ≤ 219 mg/kg ○ > 219 mg/kg ◉ Unknown

Soil Concentrations of PAH :

○ > 0.063 mg/kg and ≤ 0,68 mg/kg ○ > 0.68 mg/kg and ≤ 4.5 mg/kg ○ > 4.5 mg/kg ○ Unknown

Area of Impacted Soil :

◉ Area of Impacted Soil > 82 by 82 Feet ○ Unknown

Additional Information

Should this case be closed in spite of NOT meeting policy criteria?

Explain:

This 17-acre site fails the LTCP General Criteria b (Petroleum Only), and Media Specific Criteria for Vapor Intrusion to Indoor Air and Direct Contact and Outdoor Air Exposure. In June 1991, 360 cubic yards of Lead-impacted soil disposed off-site. In 1994 the site received soil impacted with TPHd, TPHo and TOG from the greater (52 acres) EBC redevelopment project. The soil was placed in accordance with the Soil Containment Plan approved by both ACEH and the RWQCB. A condition of the placement approval included the site receive a deed restriction, implemented on July 29, 1994. The site was subsequently capped with large tilt-up style slab-on-grade box stores and asphalt-paved parking constructed above the soil cap. Local raised-bed landscaping are located within the parking area. Due to low contaminant concentrations and lack of volatiles from onsite sources, the site poses a low risk to human health and or the environment. Residual contamination addressed with an implemented SMP.

Has this LTCP Checklist been updated for FY 14/15?

SPELL CHECK

Save Form as Partially Completed | Save Form as Complete

LOGGED IN AS KNOWELL CONTACT

ATTACHMENT 3
LTCP GROUNDWATER SPECIFIC CRITERIA

LTCP Groundwater Specific Scenario under which case was closed*:* Scenario 1

Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3 Criteria	LTCP Scenario 4 Criteria
Plume Length	<100 feet	<100 feet	<250 feet	<250 feet	<1,000 feet
Free Product	No free product	No free product	No free product	Removed to maximum extent practicable	No free product
Plume Stable or Decreasing	Stable	Stable or decreasing	Stable or decreasing	Stable or decreasing for minimum of 5 Years	Stable or decreasing
Distance to Nearest Water Supply Well	500 feet cross gradient	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Distance to Nearest Surface Water and Direction	2,800 feet downgradient	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Property Owner Willing to Accept a Land Use Restriction?	Yes, see Site Management Requirements in Additional Information.	Not applicable	Yes	Not applicable	Not applicable

GROUNDWATER CONCENTRATIONS

Constituent	Historic Site Maximum (µg/L)	Current Site Maximum (µg/L)	LTCP Scenario 1 Criteria (µg/L)	LTCP Scenario 2 Criteria (µg/L)	LTCP Scenario 3 Criteria (µg/L)	LTCP Scenario 4 Criteria (µg/L)
Benzene	<0.50	<0.50	No criteria	3,000	No criteria	1,000
MTBE	----	----	No criteria	1,000	No criteria	1,000

Scenario 5: If the site does not meet scenarios 1 through 4, has a determination been made that under current and reasonably expected future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame?	----

Comments: Water Supply Wells in Vicinity: The Water Resources Section of the Alameda County Public Works Agency (ACPWA) lists one water supply well within ¼-mile of the property. The well is identified by ACPWA as abandoned. The 163-foot deep well, is approximately 500 feet south and cross groundwater gradient of the former Clipper facility. Based on the distance, ground water direction, and low mobility of the residual TPH, the TPH-impacted soil is unlikely to affect the water quality at the abandoned well site.

Eight private wells were reported identified on a 1911 Sanborn map. The wells were located approximately 1.200 feet west (down groundwater gradient) of the YB-EBC site. No other records were located regarding the well field; however, one well, described as a steel-cased water supply well, was encountered and decommissioned during mid-September 1993 excavation activities. No other wells were reported encountered during excavation and grading activities. Based on the distance and low mobility of TPH, the TPH-impacted soil is unlikely to affect the water quality at the location of the former well field. No other water supply wells were identified within 2,000 feet of the site.

ATTACHMENT 4

LTCP VAPOR SPECIFIC CRITERIA

LTCP Vapor Specific Scenario under which case was closed*:* This case should be closed in spite of not meeting the vapor specific media criteria.

Active Fueling Station	Not applicable

Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3A Criteria	LTCP Scenario 3B Criteria	LTCP Scenario 3C Criteria	LTCP Scenario 4 Criteria
Unweathered LNAPL	No LNAPL	LNAPL in groundwater	LNAPL in soil	No LNAPL	No LNAPL	No LNAPL	No criteria
Thickness of Bioattenuation Zone Beneath Foundation	≥5 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	≥5 feet
Total TPH in Soil in Bioattenuation Zone	>100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg
Maximum Current Benzene Concentration in Groundwater	<0.5 µg/L	No criteria	No criteria	<100 µg/L	≥100 and <1,000 µg/L	<1,000 µg/L	No criteria
Oxygen Data within Bioattenuation Zone	No oxygen data	No criteria	No criteria	No oxygen data or <4%	No oxygen data or <4%	≥4% at lower end of zone	≥4% at lower end of zone
Depth of soil vapor measurement beneath foundation	----	No criteria	No criteria	No criteria	No criteria	No criteria	≥5 feet

SCENARIO 4 DIRECT MEASUREMENT OF SOIL VAPOR CONCENTRATIONS

Site Soil Vapor Data			No Bioattenuation Zone		Bioattenuation Zone	
Constituent	Historic Maximum ($\mu g/m^3$)	Current Maximum ($\mu g/m^3$)	Residential	Commercial	Residential	Commercial
Benzene	----	----	<85	<280	<85,000	<280,000
Ethylbenzene	----	----	<1,100	<3,600	<1,100,000	<3,600,000
Naphthalene	----	----	<93	<310	<93,000	<310,000

If the site does not meet scenarios 1 through 4, does a site-specific risk assessment for the vapor intrusion pathway demonstrate that human health is protected?	Yes
If the site does not meet scenarios 1 through 4, has a determination been made that petroleum vapors from soil or groundwater will have no significant risk of adversely affecting human health?	Yes

Comments: Site does not meet the LTCP Vapor Specific Scenario as TPH concentrations exceed the 100 mg/kg criteria for the bioattenuation zone. However, there are no volatile compounds presenting a vapor intrusion risk associated with the petroleum releases at the site. Therefore this case should be closed in spite of not meeting the vapor specific media criteria.

ATTACHMENT 5
LTCP DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA

LTCP Direct Contact and Outdoor Air Exposure Specific Scenario under which case was closed: Commercial/Industrial

Are maximum concentrations less than those in Table 1 below?		Yes				
Constituent		Residential		Commercial/Industrial		Utility Worker
		0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 10 feet bgs (mg/kg)
Site Maximum	Benzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	<0.33	<0.33	<0.33	<0.33	<0.33
LTCP Criteria	Naphthalene	≤9.7	≤9.7	≤45	≤45	≤219
Site Maximum	PAHs	0.39	<0.33	0.39	<0.33	0.39
LTCP Criteria	PAHs	≤0.063	NA	≤0.68	NA	≤4.5
If maximum concentrations are greater than those in Table 1, are they less than levels from a site-specific risk assessment?		----				
If maximum concentrations are greater than those in Table 1, has a determination been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?		----				

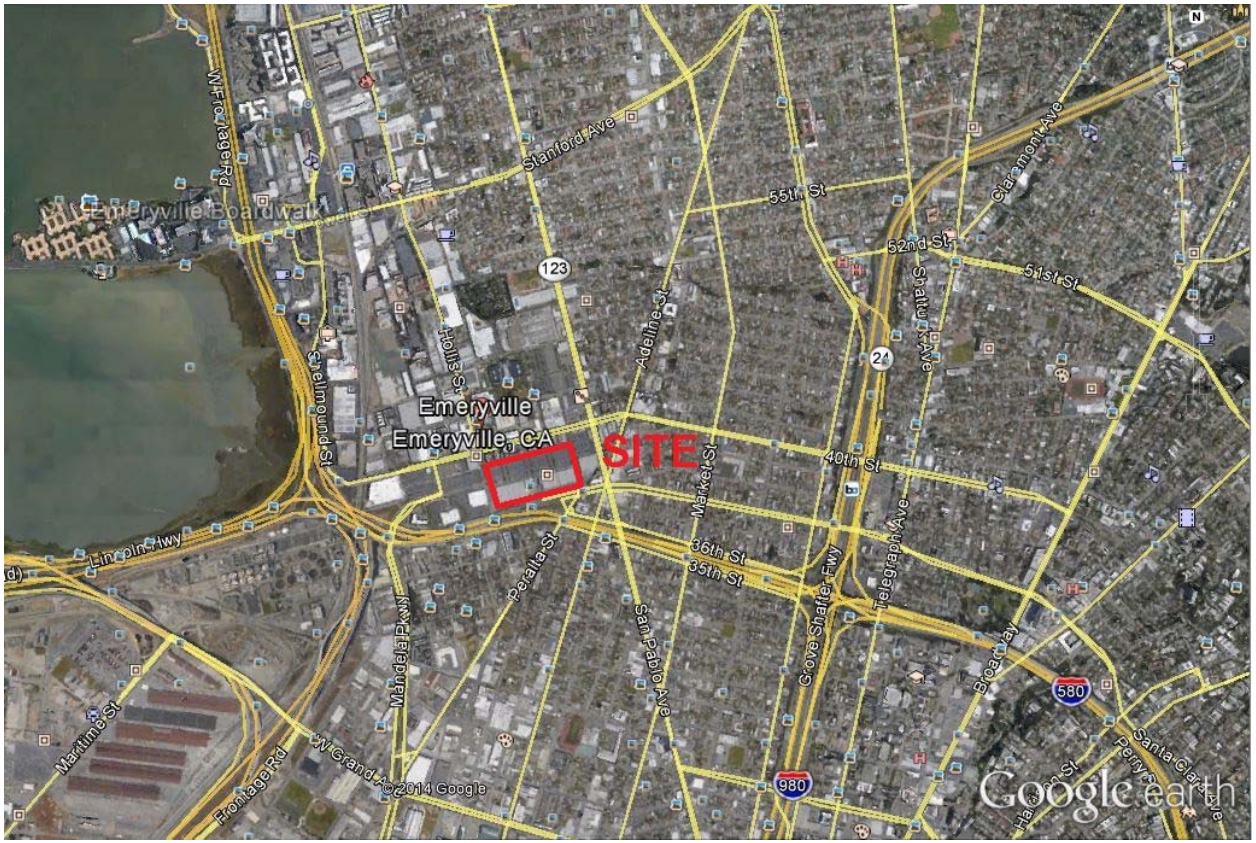
Comments: Does not meet Residential closure policy scenario as PAH concentrations exceed the Residential criteria.

Additionally, lead encountered at concentrations up to 1,400 mg/kg. Approximately 360 cy yds of lead-impacted soil was excavated and transported to a US Ecology facility near Beatty, Nevada for disposal. Confirmation samples contained residual lead concentrations of up to 150 mg/kg.

ATTACHMENT 6

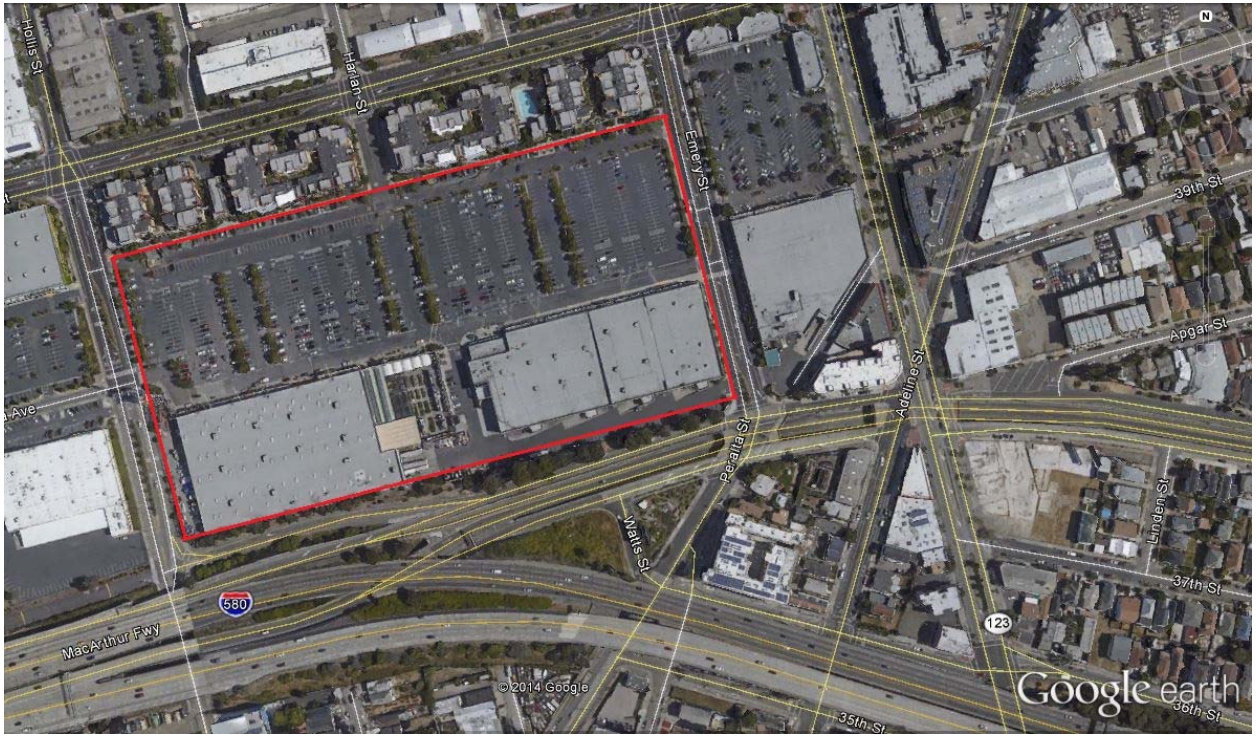
Yerba Buena/ East Bay Bridge Center

Emeryville and Oakland, CA



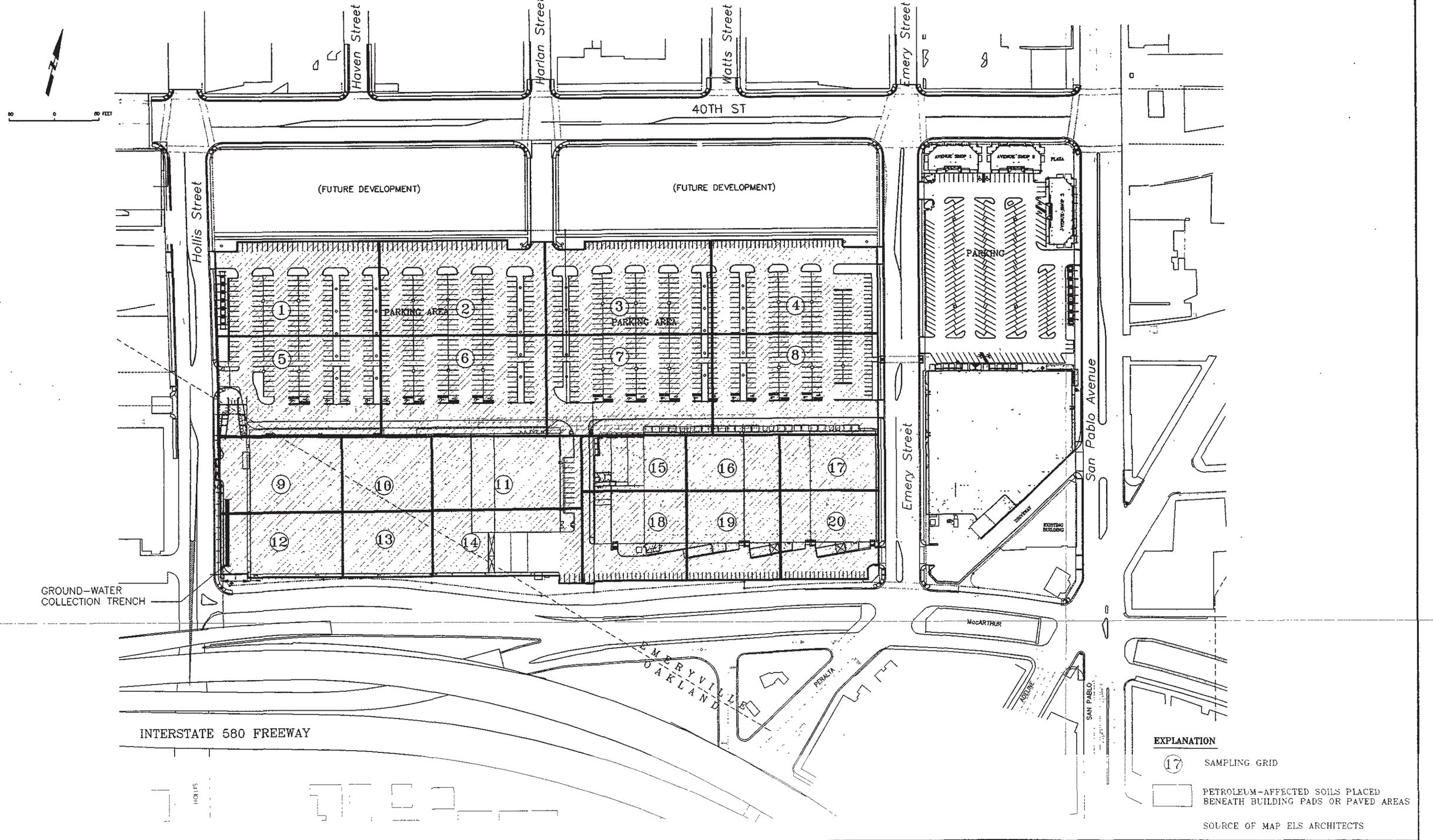
Site Vicinity Map

Aerial View of Current Development



Yerba Buena/ East Bay Bridge Center

Emeryville and Oakland, CA



SOURCE OF MAP ELS ARCHITECTS

REVISION	DESIGN	DRAWN	CHECKED	DATE

SCALE :
DESIGN
DRAWN
CHECKED

LEVINE•FRICKE
ENGINEERS HYDROGEOLOGISTS & APPLIED SCIENTISTS
Emeryville, California

drawing reproduced
HALF - SIZE

CATELLUS DEVELOPMENT CORPORATION

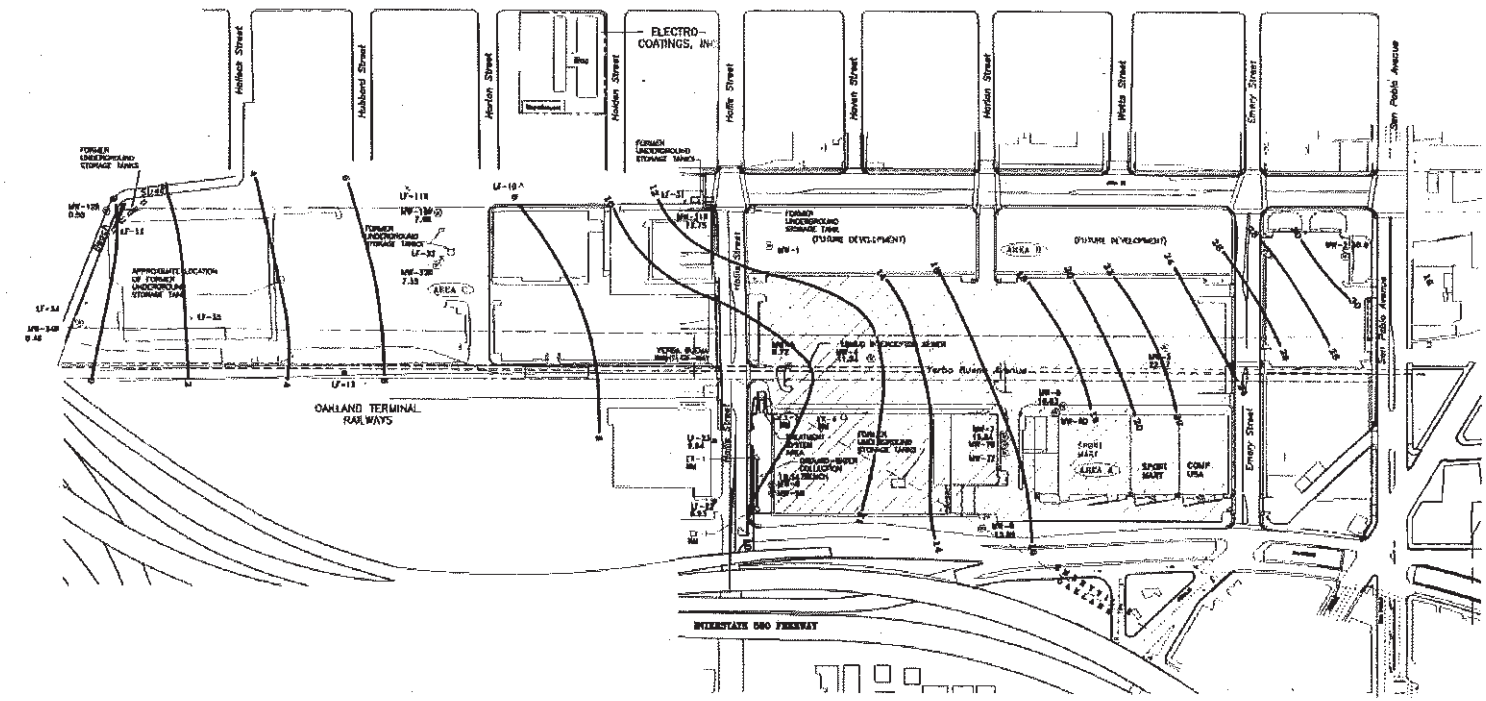
YERBA BUENA/EAST BAYBRIDGE DEVELOPMENT
EMERYVILLE & OAKLAND, CALIFORNIA

Figure 5

DOCUMENTATION SOIL SAMPLE LOCATIONS
NOVEMBER 1993 THROUGH JANUARY 1994

Project No 1649
Date JUNE 94

DRAWING CODE C:\ACAD\1649\STEPLN4.DWG/JM



EXPLANATION

- MONITORING WELL LOCATION
- EXTRACTION WELL
- ABANDONED GROUND WATER MONITORING WELL
- APPROXIMATE PROPERTY LINE
- GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR (FEET, MSL)
- RETAIL DEVELOPMENT WITH PETROLEUM AFFECTED SOIL ON SITE

REVISION	DESIGN	DRAWN	CHECKED	DATE

SCALE :
DESIGN :
DRAWN :
CHECKED :

LEVINE•FRICKE
Emeryville, California

CATELLUS DEVELOPMENT CORPORATION

YERBA BUENA/EAST BAYBRIDGE DEVELOPMENT

Figure 2
SITE PLAN SHOWING
GROUNDWATER ELEVATIONS IN SHALLOW WELLS
DECEMBER 6, 2001

Project No. 1649

TABLE 1A

HISTORICAL SITE FEATURES

AREA A

a. oil warehouse

b. iron and brass foundry

c. storage

d. waste room/scrap bins

e. sandblasting

f. store room

g. machine shop, auto and bus repair

h. blacksmith shop

i. water tank

j. lumber shed

k. iron storage, iron shop, bins, lumber shed

l. storage

m. 9,000-gallon oil tank (possibly underground)

n. engine room

o. lumber shed, storage shed

p. sheet metal workshop

q. planing mill, car repairing

r. car repairing

s. transfer table runway

t. car painting, paint, varnishing and oil storage room; car washing and reparing

u. auto wrecking yard

v. auto storage

w. electric printing

TABLE 1A

HISTORICAL SITE FEATURES

AREA B

Building 1 - office

Building 2 - machine maintenance shop

Building 3 - oil storage

Building 4 - storage shed

Building 5 - storage shed

Building 6 - butane and propane cyclinder filling

Building 7 - steam cleaning shed

Building 8 - lavatory

a. open steel rock bunker

b. concrete oil tank - underground

c. steel asphalt banks

d. cement storage

e. boiler house, 3 asphalt mixers

f. sand dryer

g. asphalt kettles, mixer

h. asphalt tank (7,722-gallon)

i. butane control

j. underground tanks

k. underground tanks

l. incinerator

m. electric company old pole yard

n. freight depot

o. passenger station

p. SS-1 tank

q. waste oil tank

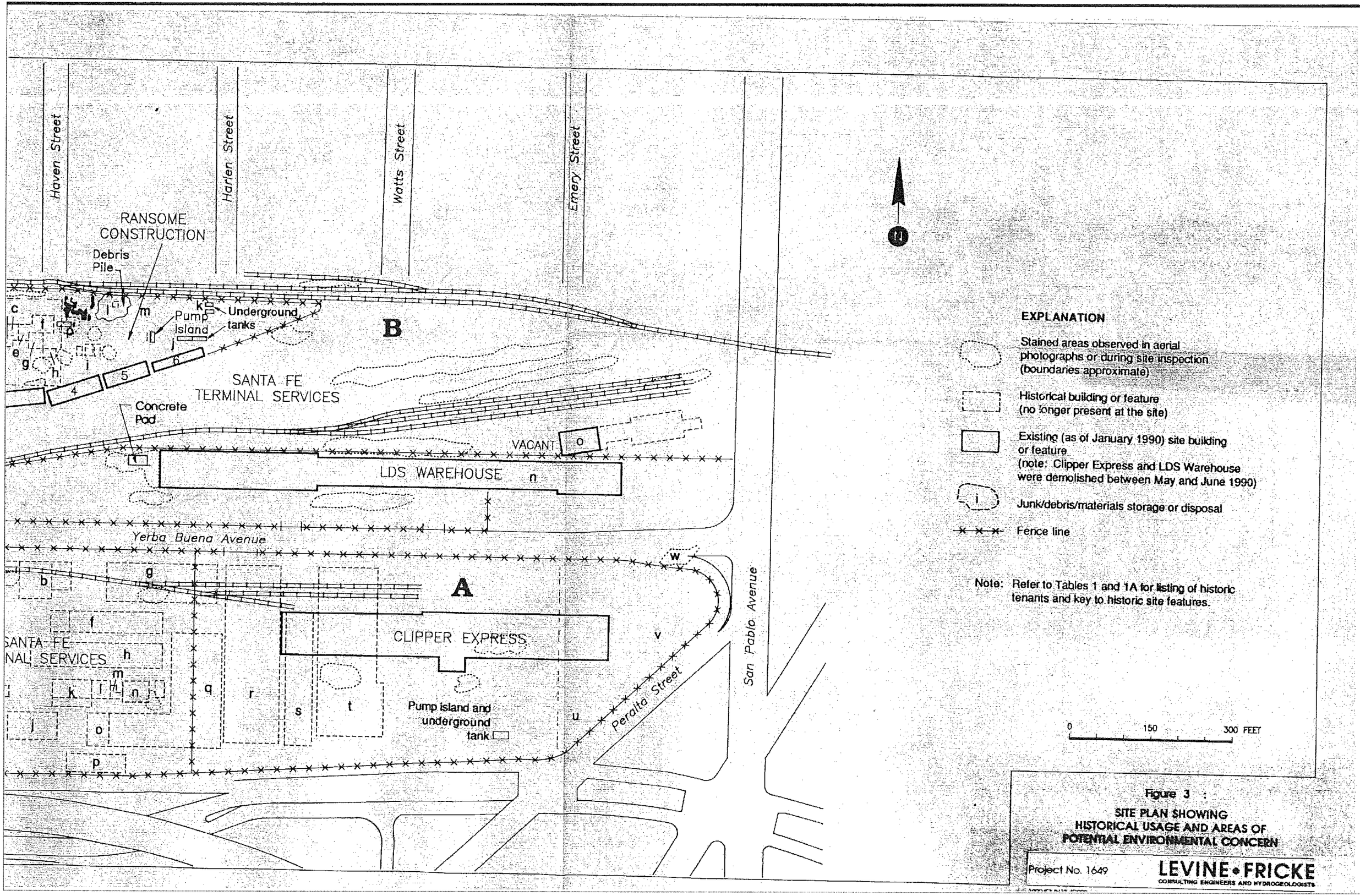


Figure 3 :
SITE PLAN SHOWING
HISTORICAL USAGE AND AREAS OF
POTENTIAL ENVIRONMENTAL CONCERN

Project No. 1649

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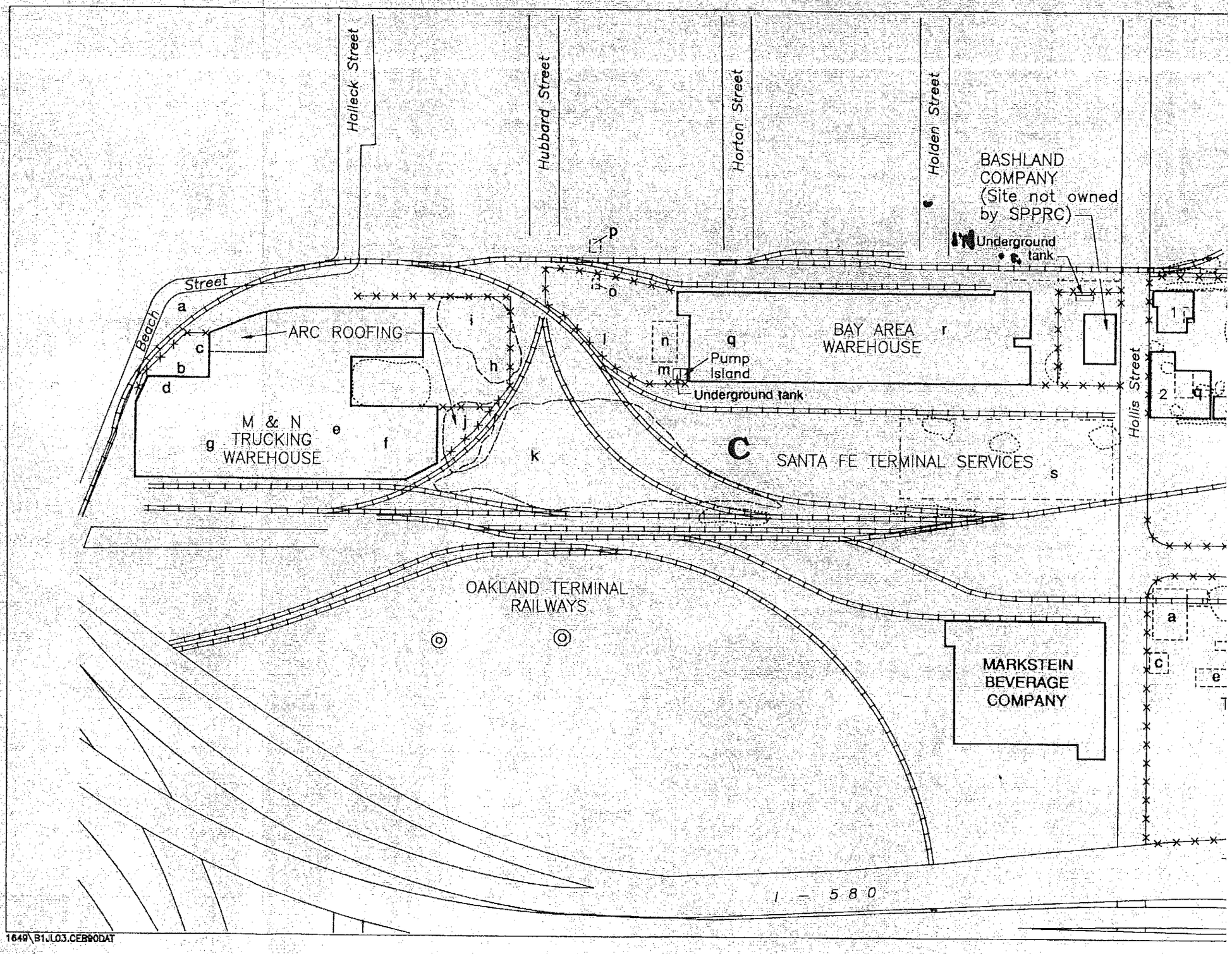

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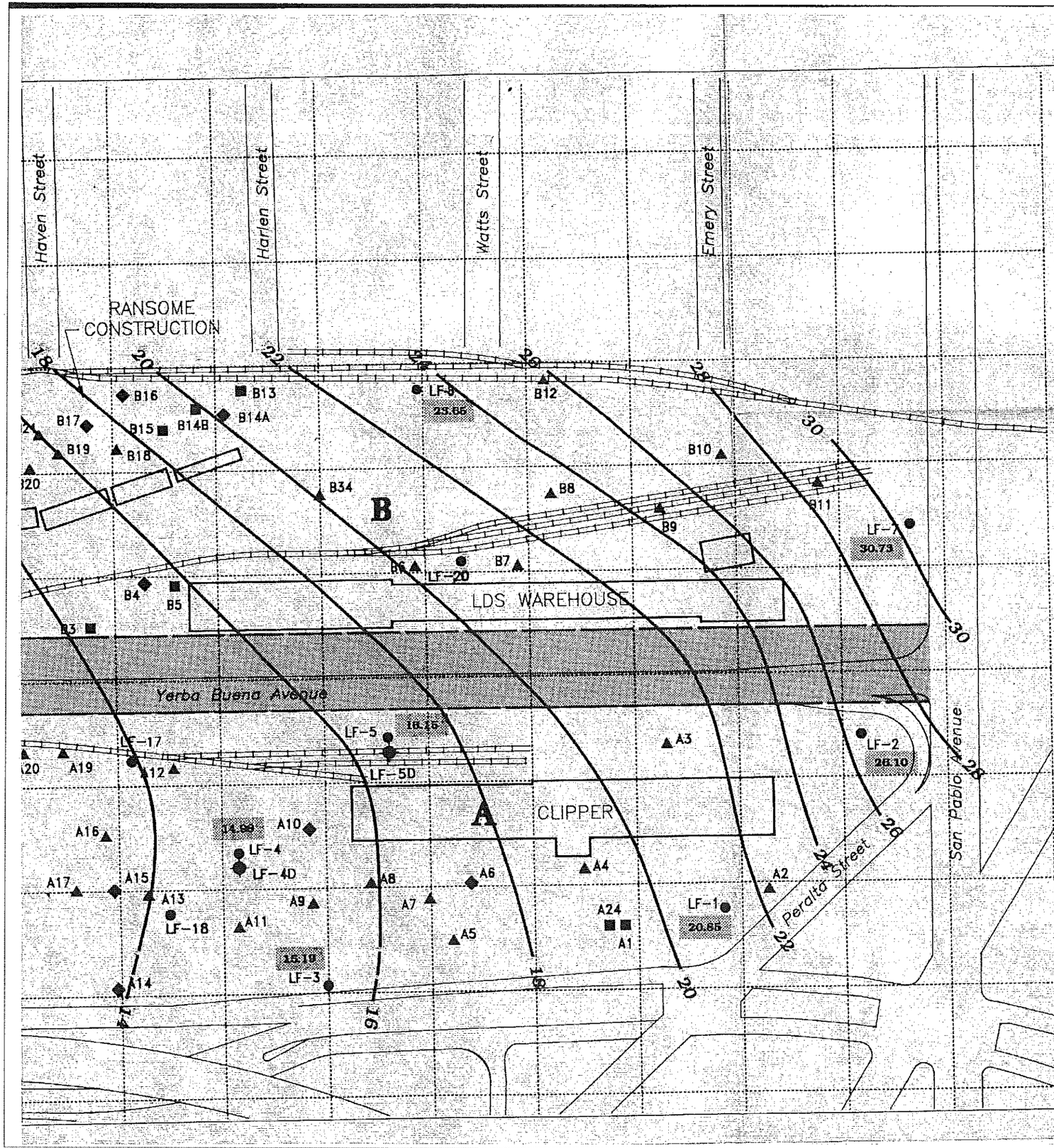

EXPLANATION

- SHALLOW MONITORING WELL (<25 FT)
- DEEP MONITORING WELL (35-45 FEET)
- PHASE I INVESTIGATION SHALLOW SOIL SAMPLING LOCATION (LESS THAN 5 FEET)
- PHASE I INVESTIGATION DEEPER SOIL SAMPLING LOCATION (6 TO 18 FEET)
- PHASE I INVESTIGATION DEEPER SOIL SAMPLING LOCATION (13 TO 18 FEET) AND GRAB GROUND-WATER SAMPLE LOCATION
- NON-ACCESSIBLE AREA
- YERBA BUENA RIGHT-OF-WAY
- OAKLAND TERMINAL RAILWAYS (NOT INCLUDED IN THIS INVESTIGATION)
- 25.84 GROUND-WATER ELEVATION
- ~6 WATER TABLE CONTOURS
- NM NOT MEASURED

NOTE: WELLS LF-17 THROUGH LF-20, LF-4D AND LF-5D NOT INSTALLED AT TIME ON FEBRUARY 23, 1990 WATER LEVEL MEASUREMENT.

0 150 300 FEET

Figure 8 :

GROUND-WATER ELEVATION CONTOURS FEBRUARY 23, 1990

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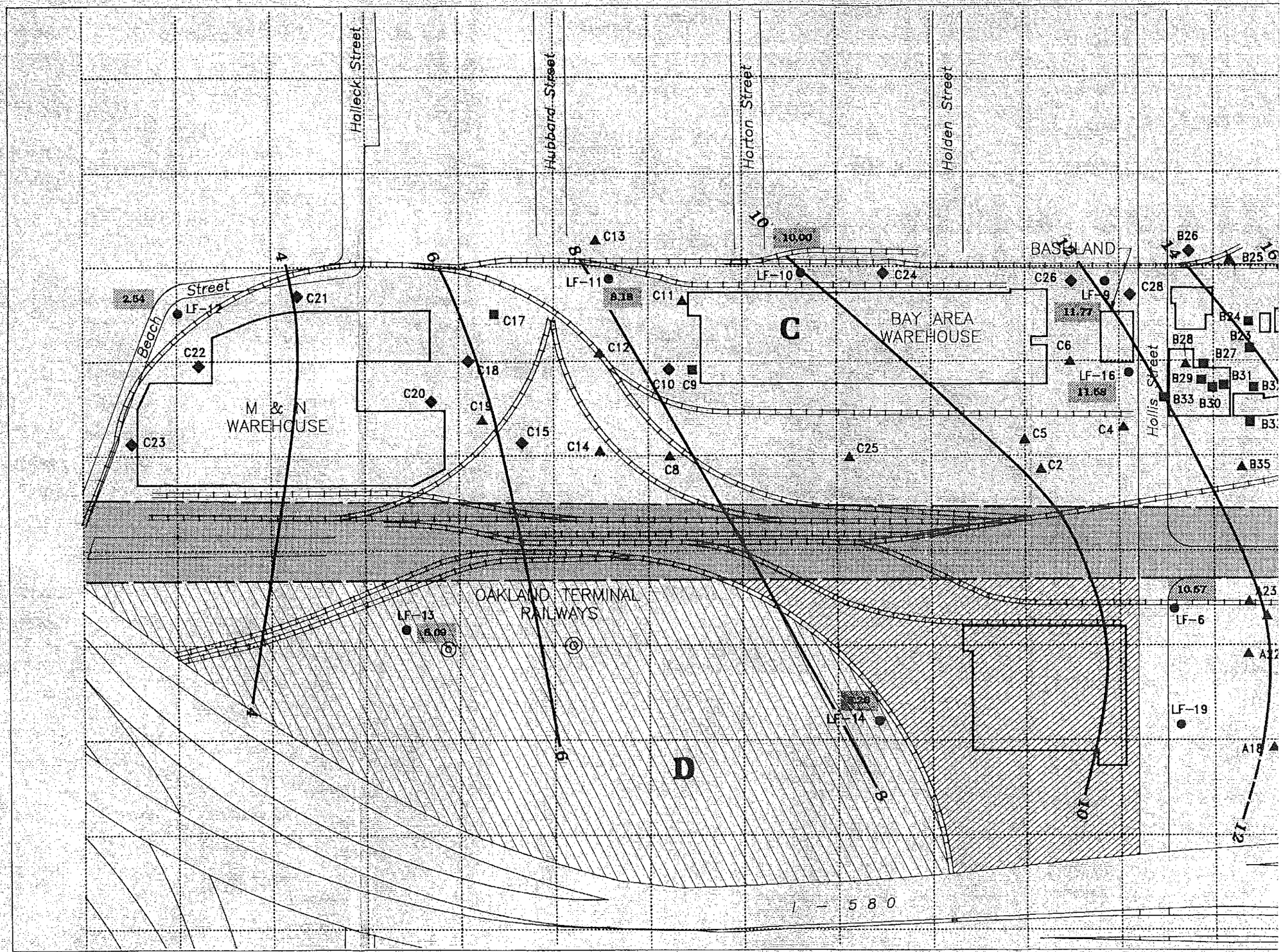
6/7 AS/RD



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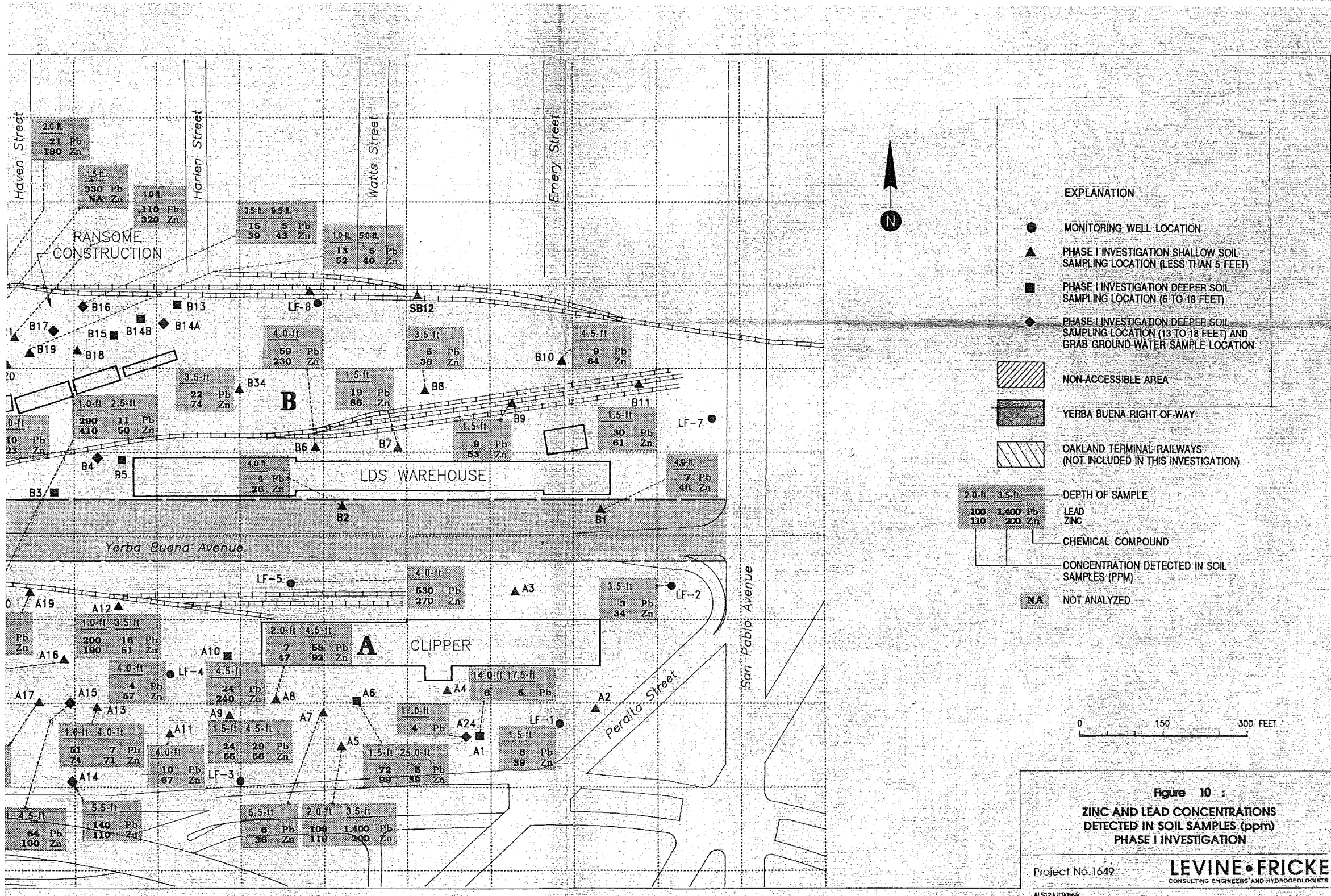

Figure 10 :

ZINC AND LEAD CONCENTRATIONS DETECTED IN SOIL SAMPLES (ppm) PHASE I INVESTIGATION

Project No.1649

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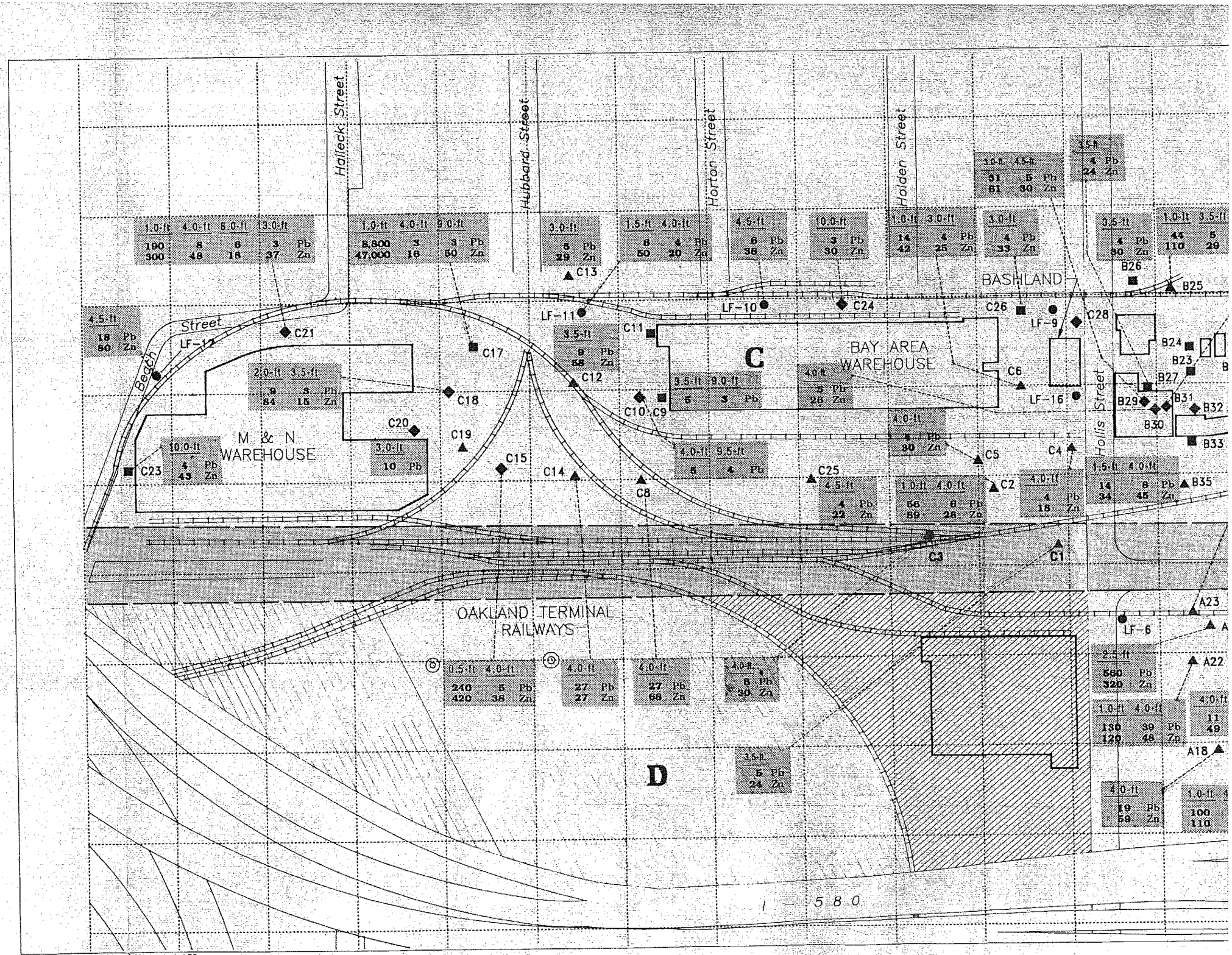

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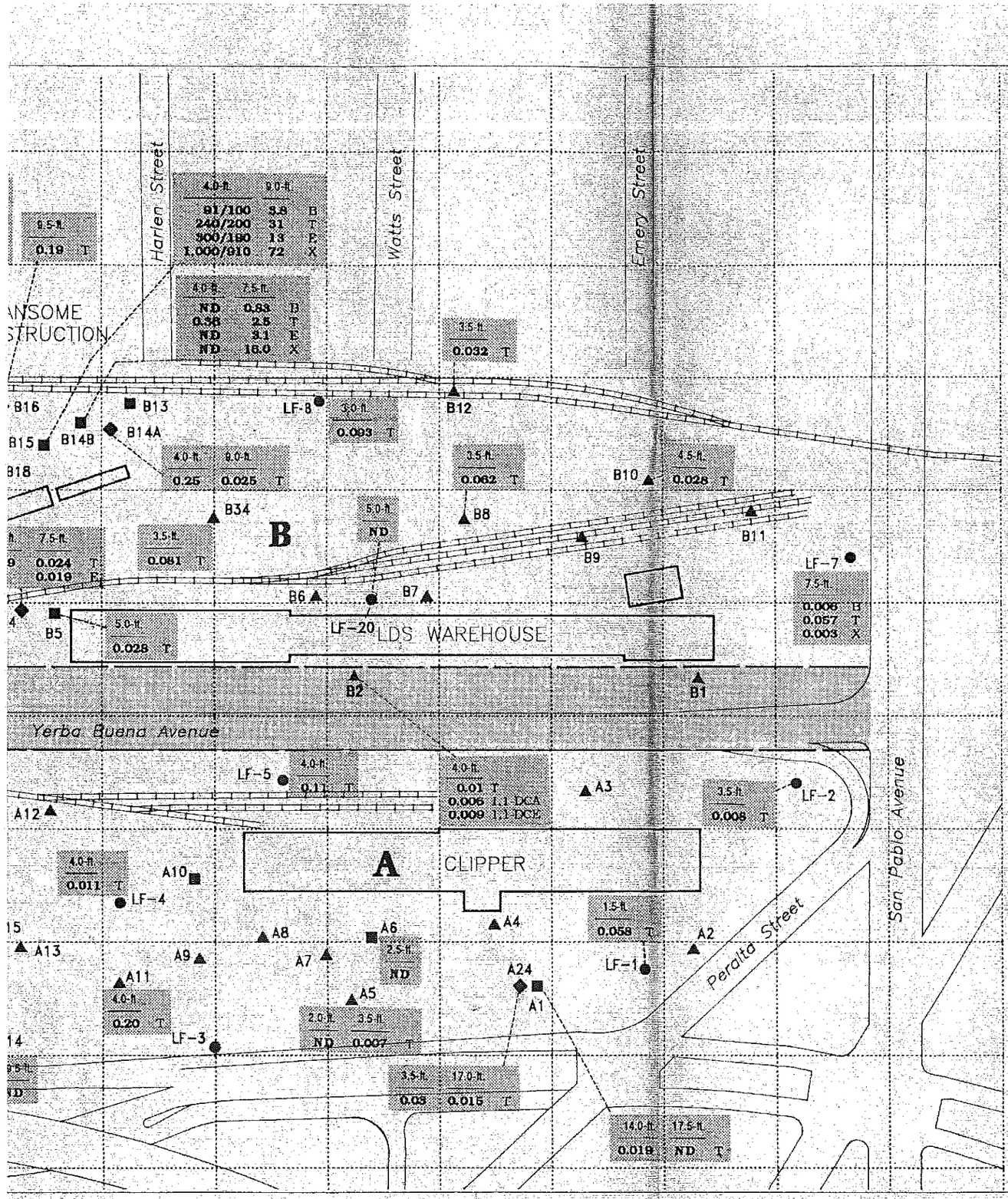

EXPLANATION

- MONITORING WELL LOCATION
- PHASE I INVESTIGATION SHALLOW SOIL SAMPLING LOCATION (LESS THAN 5 FEET)
- PHASE I INVESTIGATION DEEPER SOIL SAMPLING LOCATION (6 TO 18 FEET)
- PHASE I INVESTIGATION DEEPER SOIL SAMPLING LOCATION (13 TO 18 FEET) AND GRAB GROUND-WATER SAMPLE LOCATION
- NON-ACCESSIBLE AREA
- YERBA BUENA RIGHT-OF-WAY
- OAKLAND TERMINAL RAILWAYS (NOT INCLUDED IN THIS INVESTIGATION)

9.0-ft. — DEPTH OF SAMPLE

91/100 B — BENZENE
240/200 T — TOLUENE
300/190 E — ETHYLBENZENE
1,000/910 X — XYLENES

CHEMICAL COMPOUND

DUPLICATE ANALYSIS

CONCENTRATION DETECTED IN SOIL SAMPLES (PPM)

ND NOT DETECTED

KEY TO ABBREVIATIONS

1,1-DCA 1,1-DICHLOROETHANE
1,2-DCE 1,2-DICHLOROETHENE
TCE TRICHLOROETHENE

0 150 300 FEET

Figure 11 :

VOLATILE ORGANIC COMPOUNDS DETECTED IN SOIL SAMPLES (ppm) PHASE I INVESTIGATION

Project No.1649

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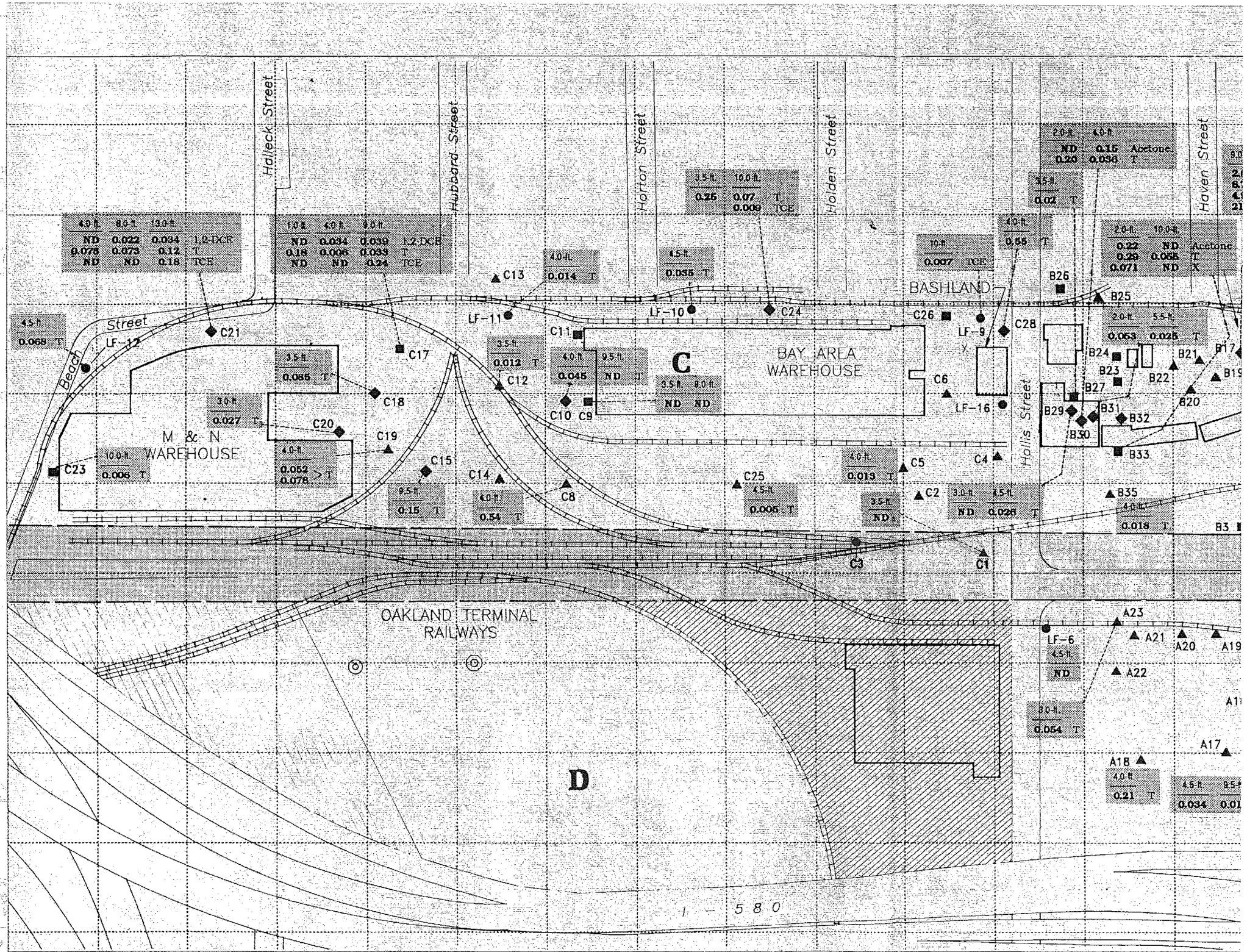
Halleck Street
Hubbard Street
Horton Street
Holden Street
Haven Street
Hollis Street
Beach Street
BASHLAND
BAY AREA WAREHOUSE
M & N WAREHOUSE
OAKLAND TERMINAL RAILWAYS
C
D
LF-12
LF-11
LF-10
LF-9
LF-16
LF-6
C1
C2
C3
C4
C5
C6
C8
C9
C10
C11
C12
C13
C14
C15
C17
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B33
B35
I - 580
S90em/dt 1:150

Haven Street
Harlen Street
Watts Street
Emery Street
San Pablo Avenue
Yerba Buena Avenue
Peralta Street

RANSOME CONSTRUCTION
LDS WAREHOUSE
CLIPPER
A
B

3.5-ft 9.5-ft
ND ND
4.0-ft 7.5-ft
ND ND
4.0-ft
8 2-Methylnaphthalene
15 Naphthalene
3.5-ft
ND
B16 B13 B17 B15 B14B B14A B19 B18
LF-8 3.0-ft ND
B12
4.5-ft
ND
B10
3.5-ft
ND
B8
B34 3.5-ft ND
1.0-ft 5.0-ft
ND ND
B11 1.5-ft ND
B9 1.5-ft ND
LF-7
B6 B7 B4 B5 B3
1.5-ft 0.39 Pyrene
5.0-ft ND
4.0-ft ND
4.0-ft ND
4.0-ft ND
B2 B1
LF-5 4.0-ft ND
A19 A12 A16 A10 A17 A15 A13 A9 A11 A14
1.0-ft 3.0-ft ND ND
1.0-ft 3.5-ft ND ND
2.0-ft 4.5-ft ND ND
4.0-ft ND
LF-4
A3
LF-2 3.5-ft ND
A8 A6 A7 A4 A5 A24 A1 A2
1.5-ft ND
LF-1 1.5-ft ND
6.5-ft ND
LF-3

N

EXPLANATION

- MONITORING WELL LOCATION
- PHASE I INVESTIGATION SHALLOW SOIL SAMPLING LOCATION (LESS THAN 5 FEET)
- PHASE I INVESTIGATION DEEPER SOIL SAMPLING LOCATION (6 TO 18 FEET)
- PHASE I INVESTIGATION DEEPER SOIL SAMPLING LOCATION (13 TO 18 FEET) AND GRAB GROUND-WATER SAMPLE LOCATION
- NON-ACCESSIBLE AREA
- YERBA BUENA RIGHT-OF-WAY
- OAKLAND TERMINAL RAILWAYS (NOT INCLUDED IN THIS INVESTIGATION)

4.0-ft — DEPTH OF SAMPLE
8 2-Methylnaphthalene
15 Naphthalene — CHEMICAL COMPOUND
CONCENTRATION DETECTED IN SOIL SAMPLES (PPM)
ND NOT DETECTED

0 150 300 FEET

Figure 12 :
SEMI-VOLATILE ORGANIC COMPOUNDS DETECTED IN SOIL SAMPLES (ppm) PHASE I INVESTIGATION

Project No.1649

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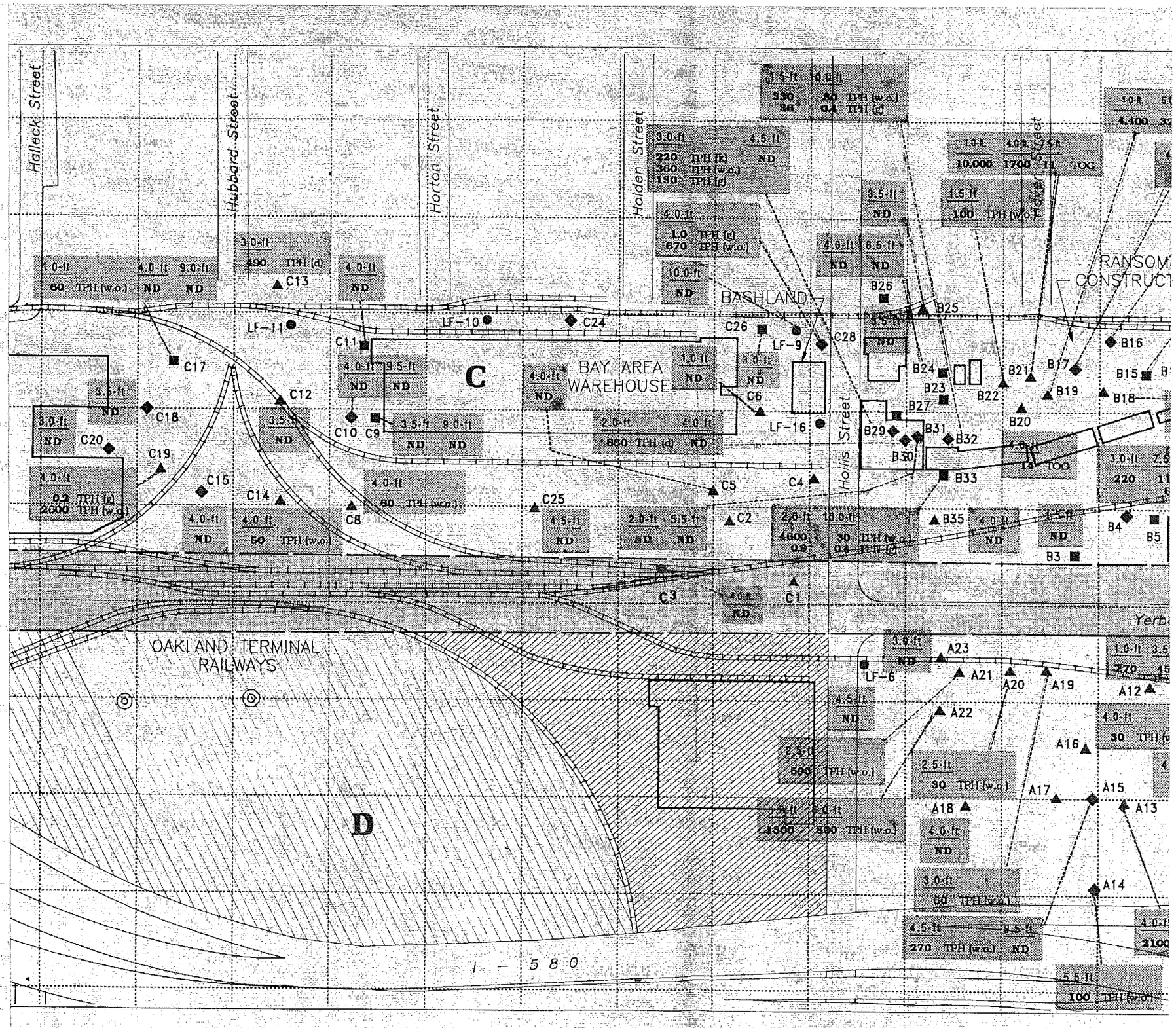
Halleck Street
Hubbard Street
Horton Street
Holden Street
Hollis Street
BASHLAND
BAY AREA WAREHOUSE
RANSOM CONSTRUCT
OAKLAND TERMINAL RAILWAYS
C
D
I – 580
LF-10
LF-11
LF-9
LF-16
LF-6
C1
C2
C3
C4
C5
C6
C8
C9
C10
C11
C12
C13
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B31
B32
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A12
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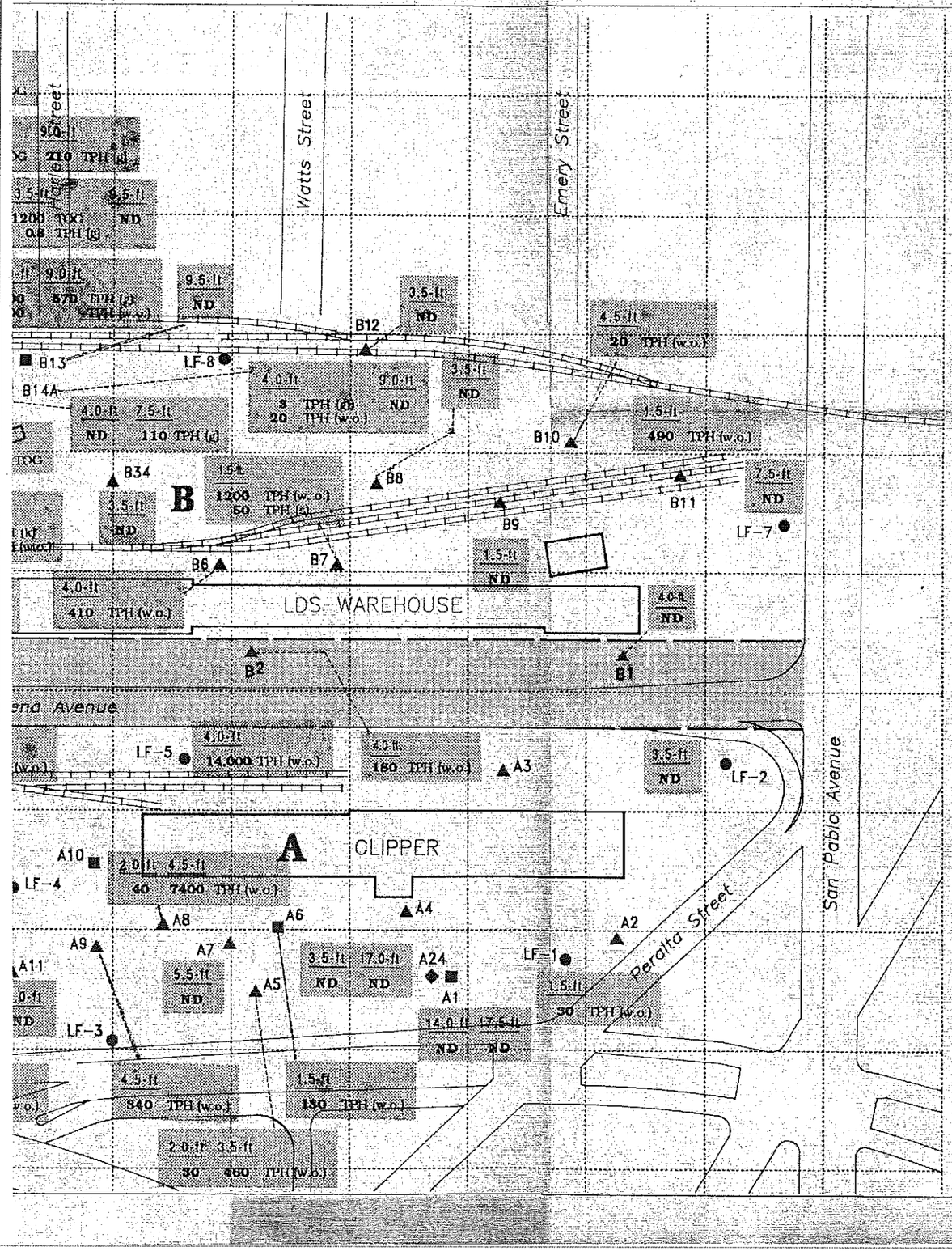
A22
A23



EXPLANATION

- MONITORING WELL LOCATION
- PHASE I INVESTIGATION SHALLOW SOIL SAMPLING LOCATION (LESS THAN 5 FEET)
- PHASE I INVESTIGATION DEEPER SOIL SAMPLING LOCATION (6 TO 18 FEET)
- PHASE I INVESTIGATION DEEPER SOIL SAMPLING LOCATION (13 TO 18 FEET) AND GRAB GROUND-WATER SAMPLE LOCATION
- NON-ACCESSIBLE AREA
- YERBA BUENA RIGHT-OF-WAY
- OAKLAND TERMINAL RAILWAYS (NOT INCLUDED IN THIS INVESTIGATION)

4.0-ft — DEPTH OF SAMPLE

3900 TPH (g) — TPH AS GASOLINE (g)
2500 TPH (w.o) — TPH AS WASTE OIL (w.o.)
1700 TOG — TOTAL OIL AND GREASE
500 TPH (s) — TPH AS STODDARD SOLVENT (s)

CHEMICAL COMPOUND

CONCENTRATION DETECTED IN SOIL SAMPLES (PPM)

ND NOT DETECTED

NOTE: TPH - TOTAL PETROLEUM HYDROCARBONS

0 150 300 FEET

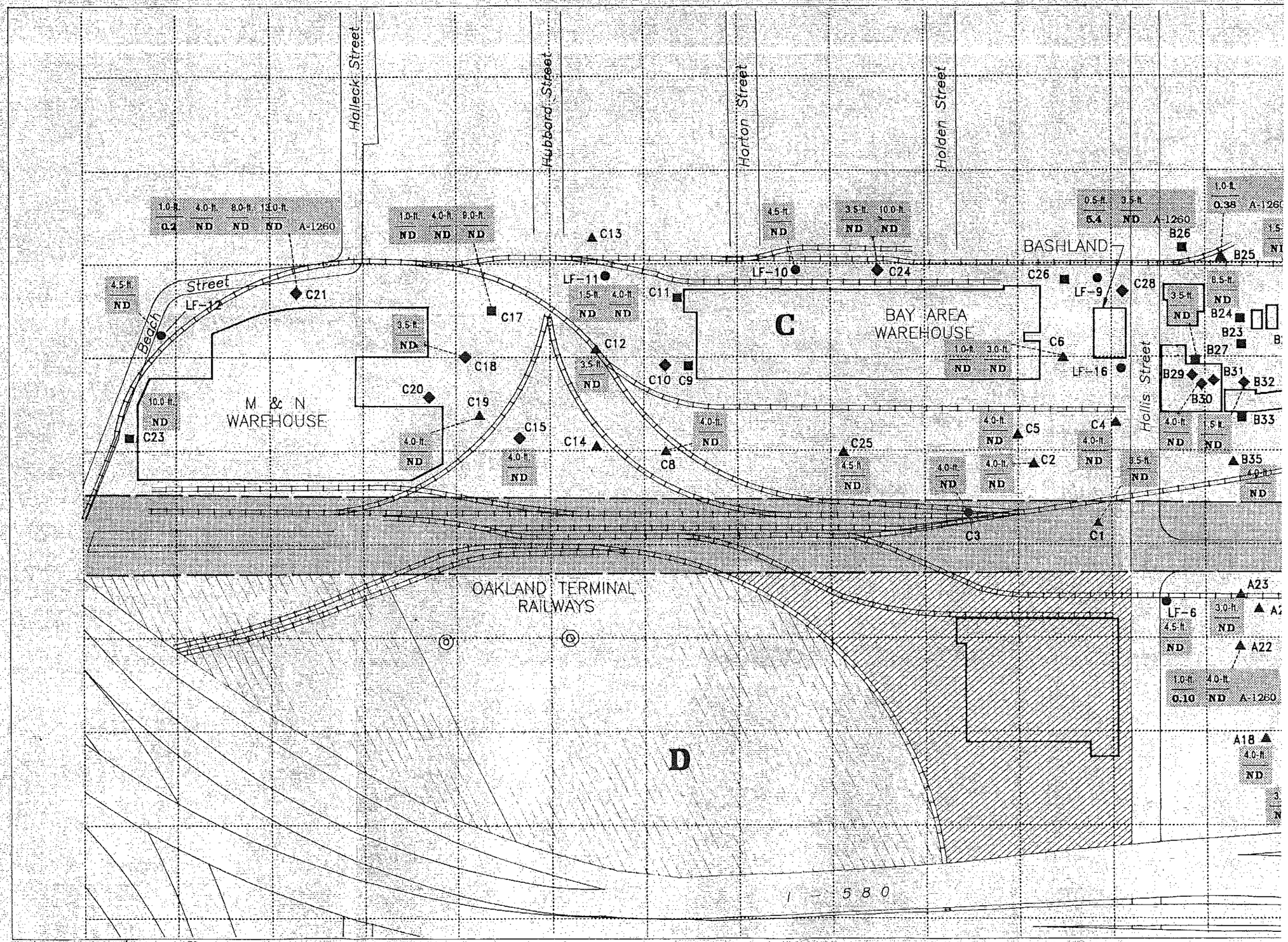
Figure 13 :

TOTAL PETROLEUM HYDROCARBONS DETECTED IN SOIL SAMPLES (ppm) PHASE I INVESTIGATION

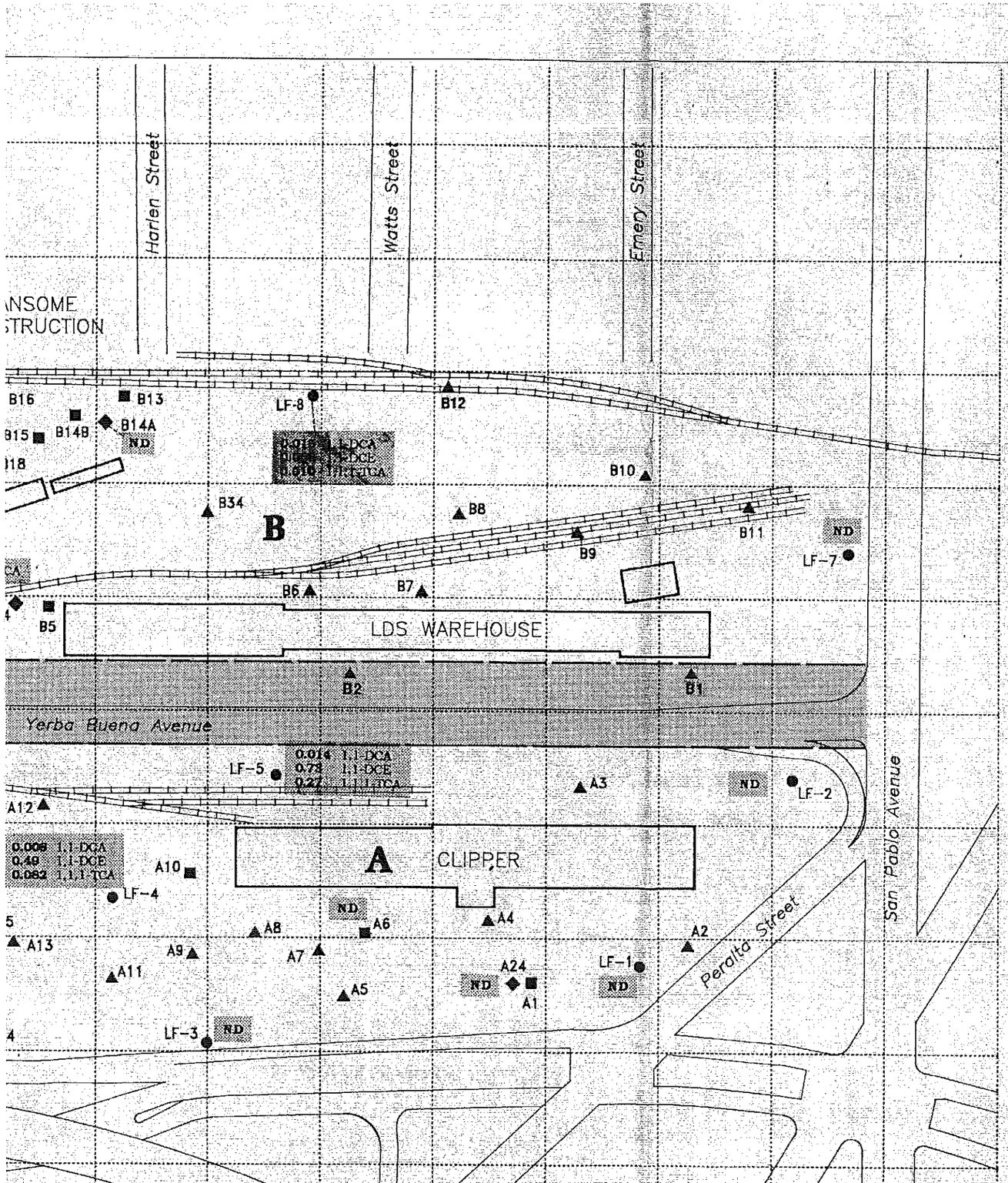
Project No.1649

LEVINE • FRICKE
CONSULTING ENGINEERS AND HYDROGEOLOGISTS

ALS12JUL90(4)



1649\B1MY22 ALS90arn/dt 1:150



EXPLANATION

- MONITORING WELL LOCATION
- PHASE I INVESTIGATION SHALLOW SOIL SAMPLING LOCATION (LESS THAN 5 FEET)
- PHASE I INVESTIGATION DEEPER SOIL SAMPLING LOCATION (6 TO 18 FEET)
- PHASE I INVESTIGATION DEEPER SOIL SAMPLING LOCATION (13 TO 18 FEET) AND GRAB GROUND-WATER SAMPLE LOCATION
- NON-ACCESSIBLE AREA
- YERBA BUENA RIGHT-OF-WAY
- OAKLAND TERMINAL RAILWAYS (NOT INCLUDED IN THIS INVESTIGATION)

0.03	1,1-DCE	1,1-DICHLOROETHENE
3.2	1,2-DCE	1,2-DICHLOROETHENE
0.041	PCE	TETRACHLOROETHENE
0.007	1,1,2-TCA	1,1,2-TRICHLOROETHANE
7.6	TCE	TRICHLOROETHENE
1.0	VC	VINYL CHLORIDE

CHEMICAL COMPOUND

CONCENTRATION DETECTED IN GROUND-WATER SAMPLES (PPM)

ND NOT DETECTED

KEY TO ABBREVIATIONS

B BENZENE
T TOLUENE
E ETHYLBENZENE
X XYLENES

0 150 300 FEET

Figure 14 :

VOLATILE ORGANIC COMPOUNDS DETECTED IN SHALLOW GROUND-WATER SAMPLES (ppm) PHASE I INVESTIGATION

Project No.1649

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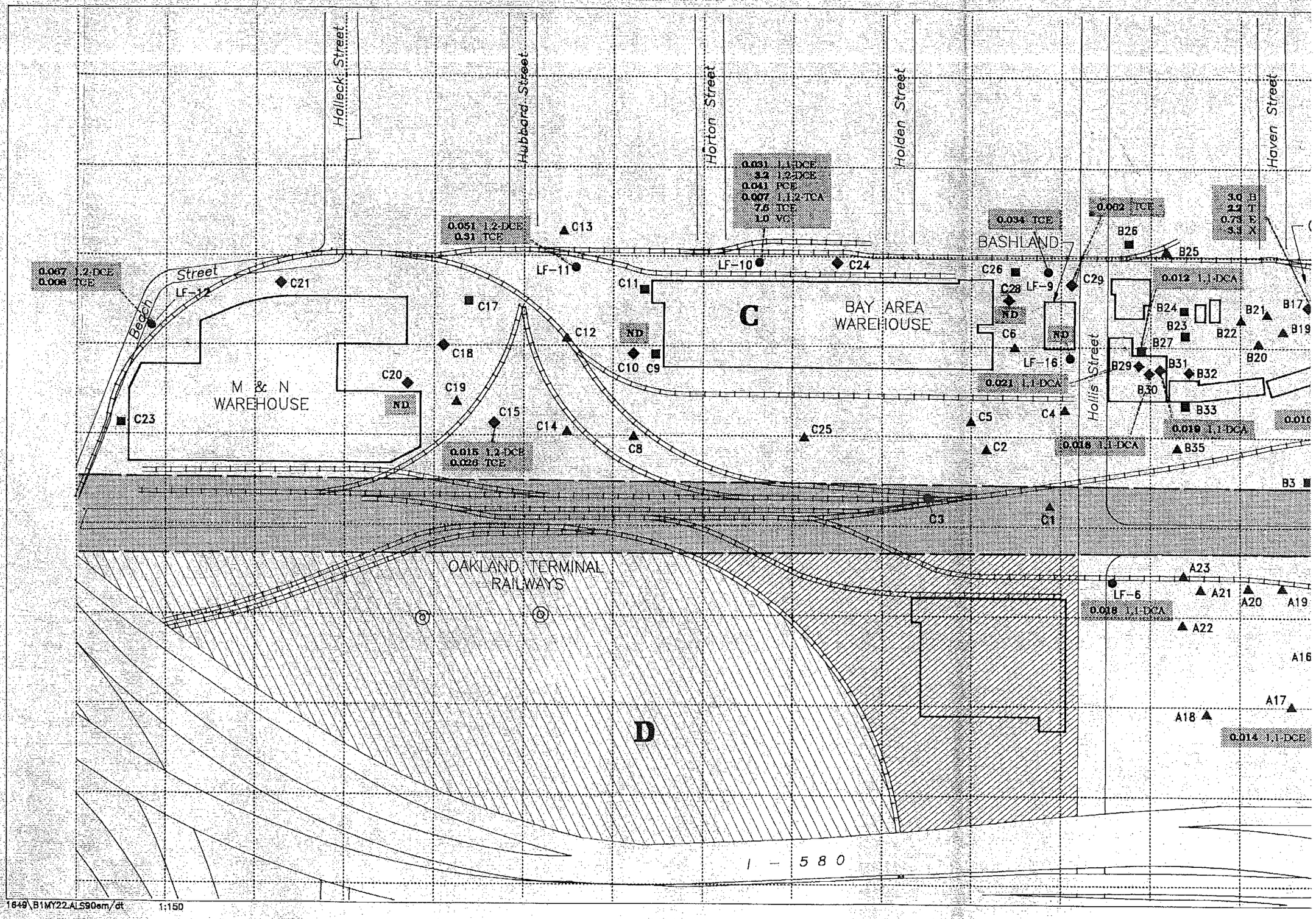
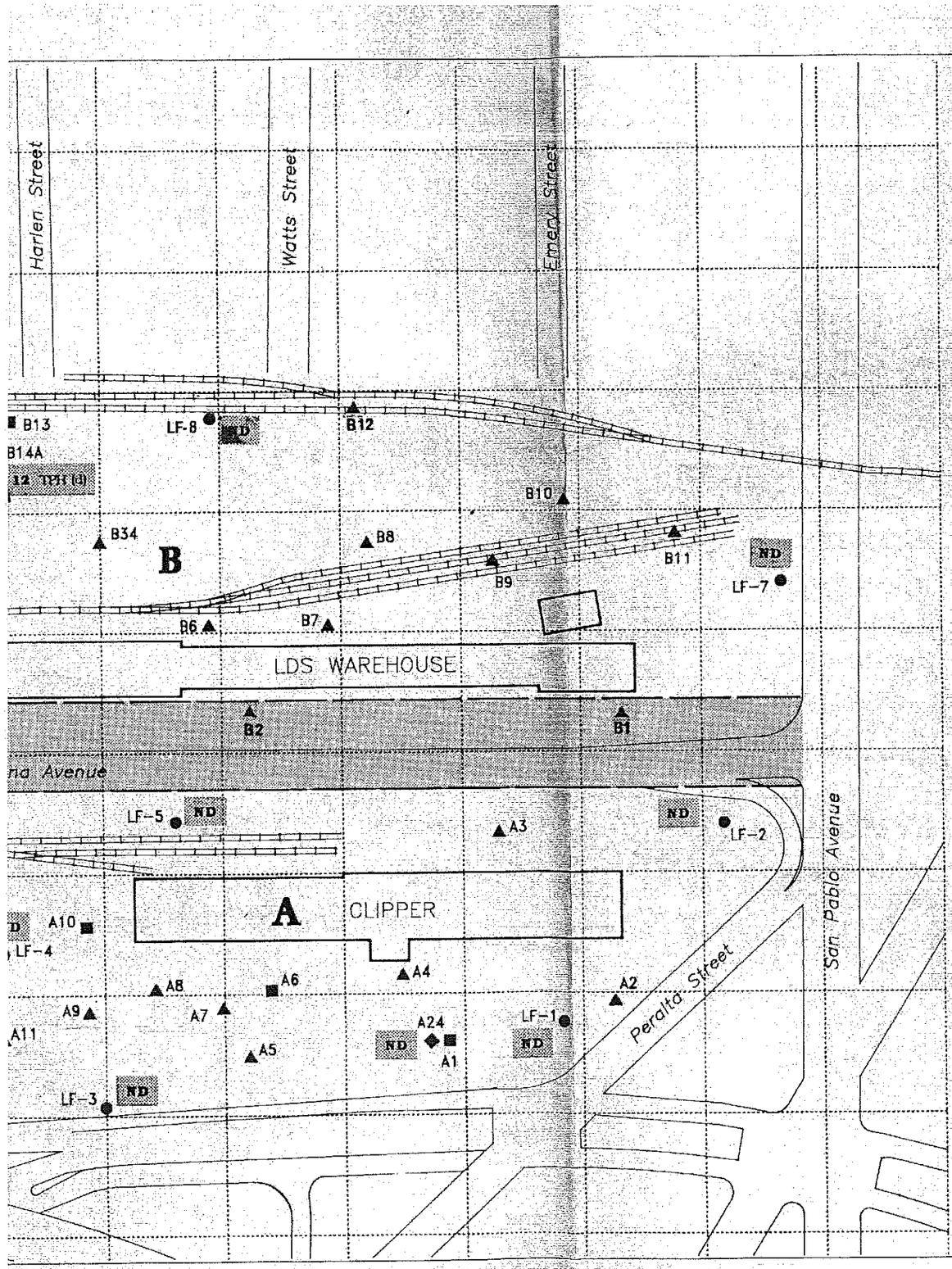
ALS12JUL90dd/c


Halleck Street
Hubbard Street
Horton Street
Holden Street
Haven Street
Hollis Street
Beach Street
0.067 1,2-DCE
0.009 TCE
0.051 1,2-DCE
0.31 TCE
0.031 1,1-DCE
3.2 1,2-DCE
0.041 PCE
0.007 1,1,2-TCA
7.6 TCE
1.0 VC
0.034 TCE
0.002 TCE
3.0 B
2.4 T
0.75 E
3.9 X
0.012 1,1-DCA
0.021 1,1-DCA
0.019 1,1-DCA
0.016 1,1-DCA
0.018 1,1-DCA
0.014 1,1-DCE
0.015 1,2-DCE
0.020 TCE
LF-11
LF-10
LF-12
LF-9
LF-16
LF-6
C
BAY AREA
WAREHOUSE
BASHLAND
M & N
WAREHOUSE
OAKLAND TERMINAL
RAILWAYS
D
ND
C1
C2
C3
C4
C5
C6
C8
C9
C10
C11
C12
C13
C14
C15
C17
C18
C19
C20
C21
C23
C24
C25
C26
C28
C29
B17
B19
B20
B21
B22
B23
B24
B25
B26
B27
B29
B30
B31
B32
B33
B35
B3
A16
A17
A18
A19
A20
A21
A22
A23
I - 580
1649\B1MY22.ALS90em/dt
1:150



N

EXPLANATION

- MONITORING WELL LOCATION
- PHASE I INVESTIGATION SHALLOW SOIL SAMPLING LOCATION (LESS THAN 5 FEET)
- PHASE I INVESTIGATION DEEPER SOIL SAMPLING LOCATION (6 TO 18 FEET)
- PHASE I INVESTIGATION DEEPER SOIL SAMPLING LOCATION (13 TO 18 FEET) AND GRAB GROUND-WATER SAMPLE LOCATION
- NON-ACCESSIBLE AREA
- YERBA BUENA RIGHT-OF-WAY
- OAKLAND TERMINAL RAILWAYS (NOT INCLUDED IN THIS INVESTIGATION)

1.4 TPH (d) — TPH AS DIESEL (d)
0.1 TPH (g) — TPH AS GAS (g)
10 TPH (w.o) — TPH AS WASTE OIL (w.o.)
5.6 TPH (s) — TPH AS STODDARD SOLVENT (s)

- CHEMICAL COMPOUND
- CONCENTRATION DETECTED IN SOIL SAMPLES (PPM)

ND — NOT DETECTED

NOTE: TPH - TOTAL PETROLEUM HYDROCARBONS

0 150 300 FEET

Figure 15 :

TOTAL PETROLEUM HYDROCARBONS DETECTED IN SHALLOW GROUND-WATER SAMPLES (ppm) PHASE I INVESTIGATION

Project No.1649

LEVINE • FRICKE
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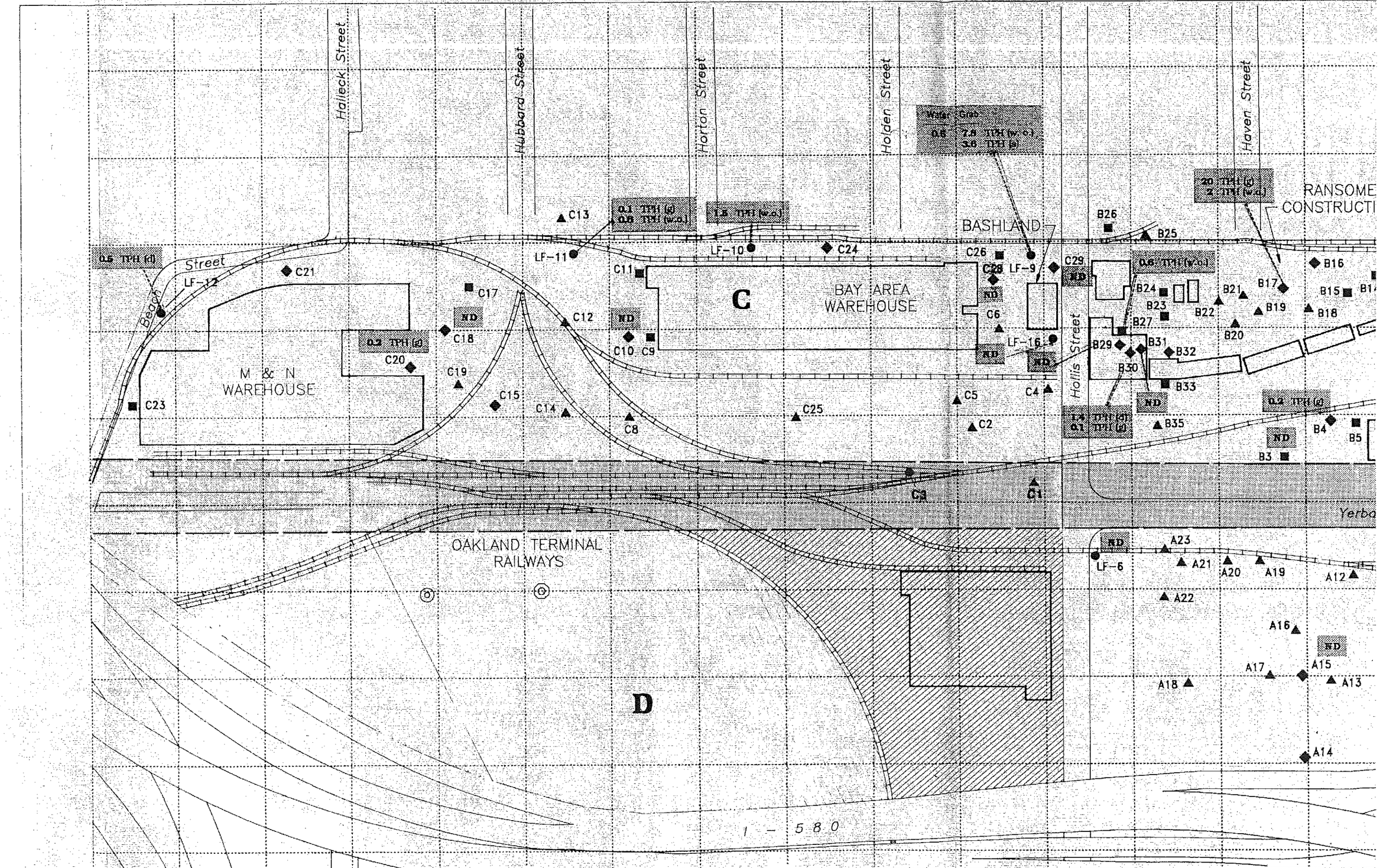
ALS12JUL90b4jc



1649\B1MY22.ALS90em/dt 1:150

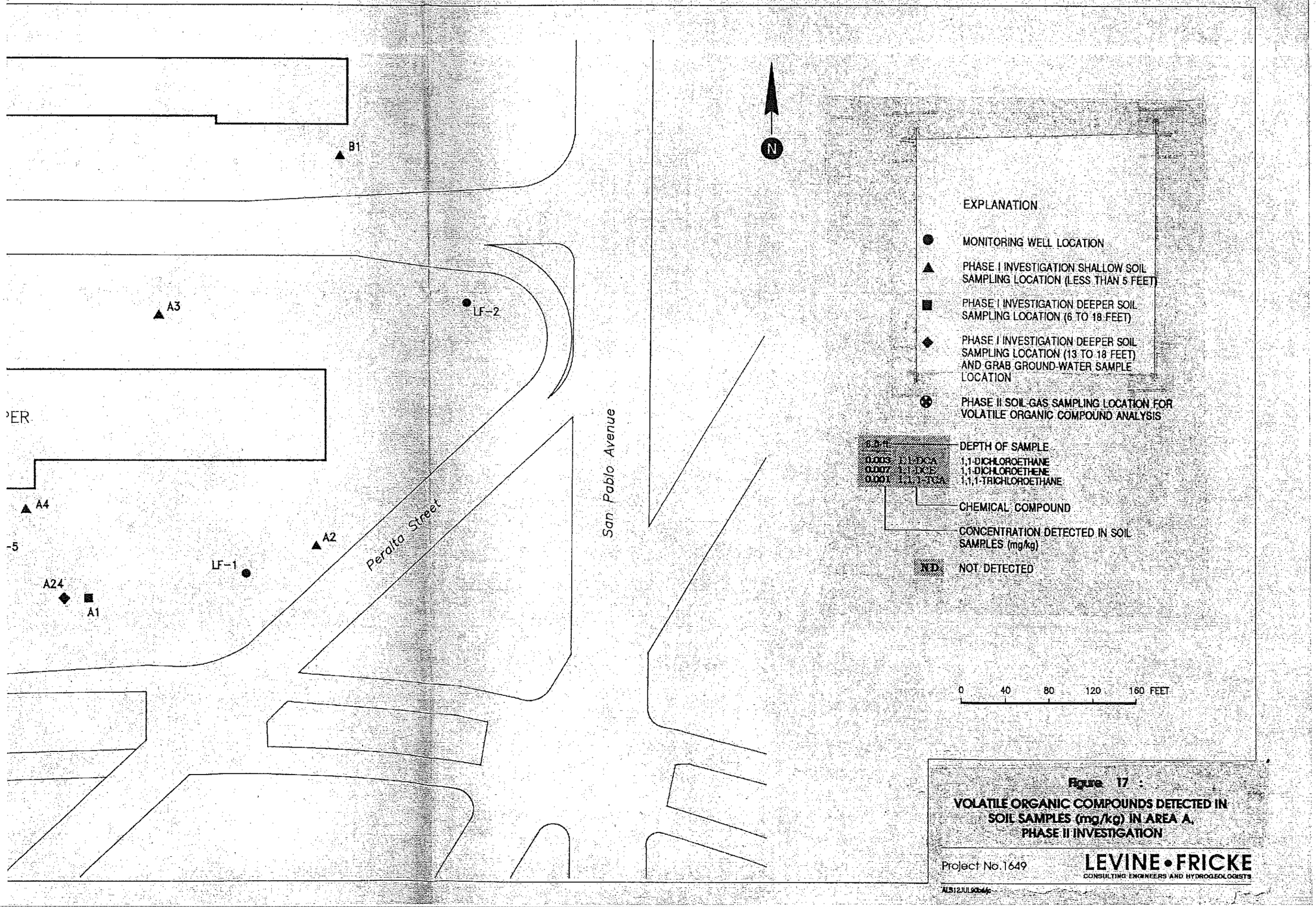


Figure 17 :

VOLATILE ORGANIC COMPOUNDS DETECTED IN SOIL SAMPLES (mg/kg) IN AREA A, PHASE II INVESTIGATION

Project No.1649

LEVINE • FRICKE
CONSULTING ENGINEERS AND HYDROGEOLOGISTS

LDS WAREHOUSE

B3

2.5-ft	6.0-ft	
ND	0.003	1,1-DCA
ND	0.007	1,1-DCE

SS-24

B2

2.5-ft	5.5-ft
ND	ND

SS-23

SS-25

3.0-ft	6.5-ft	
ND	0.003	1,1-DCA
ND	0.001	1,1,1-TCA

Yerba Buena Avenue

SS-22

3.0-ft	8.0-ft
ND	ND

SS-21

5.0-ft	8.0-ft
ND	ND

LF-5

SS-20

2.0-ft	5.0-ft	
0.002	ND	1,1,1-TCA

A23

LF-6

A21

A20

A19

A12

A22

SS-11

A16

SS-8

A10

LF-4

A18

A17

A15

A13

A8

A6

A9

A7

A11

SS-3

SS-7

SS-1

A5

SS-10

SS-9

SS-6

SS-2

A14

LF-3

Hollis Street

1649\F1ABMR27.ALS90DAT 1:80

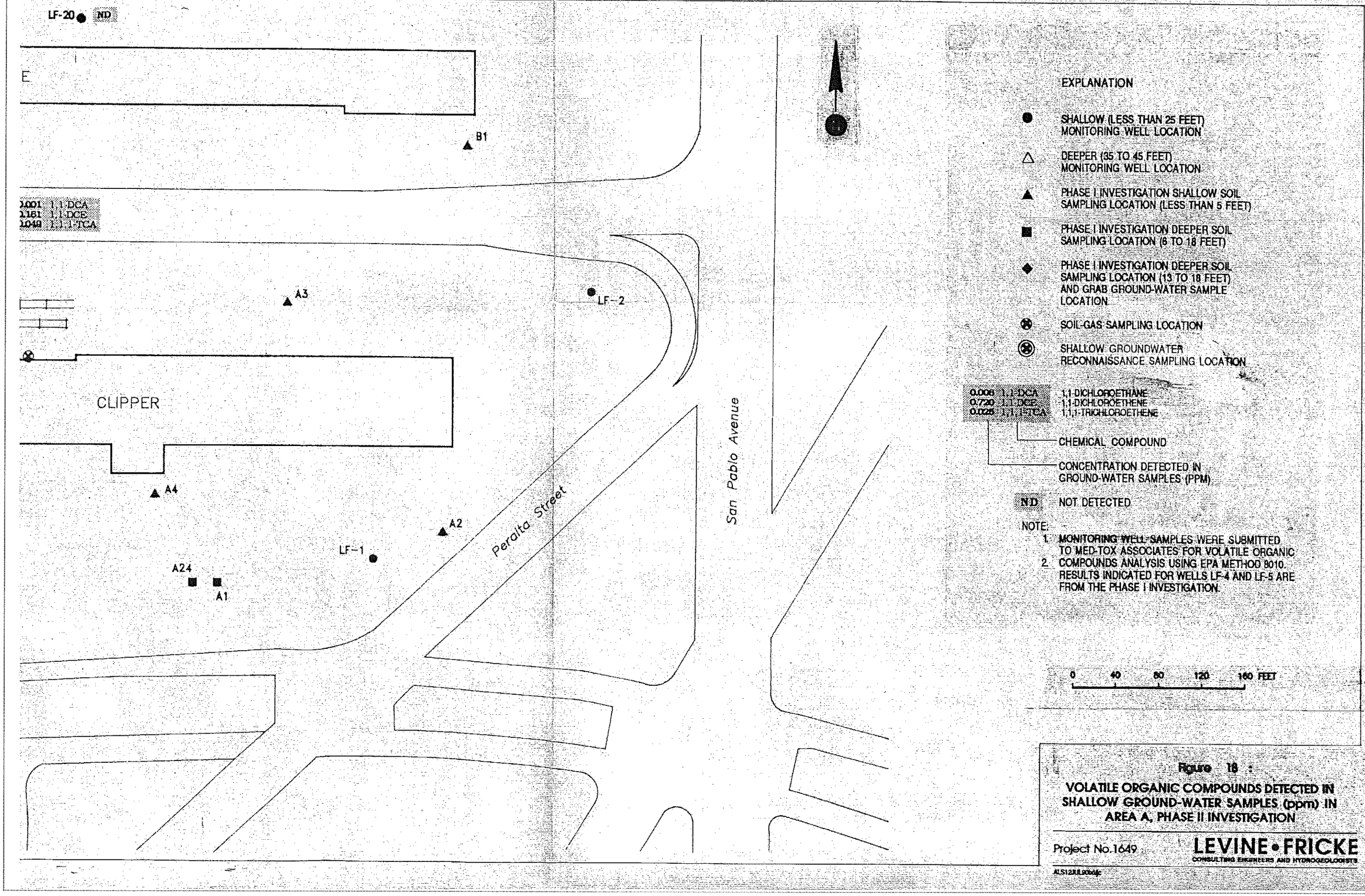


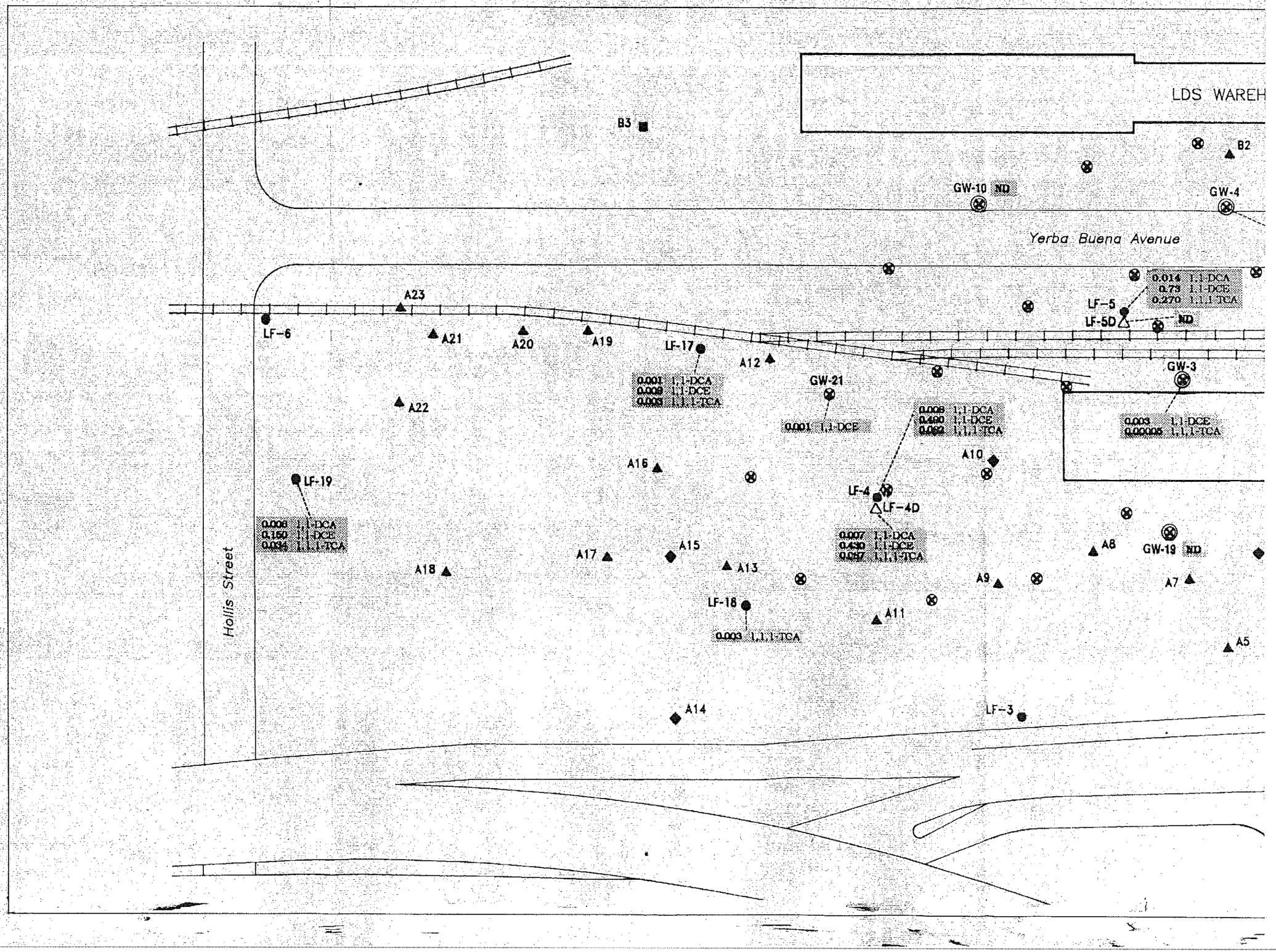
Figure 18 :

VOLATILE ORGANIC COMPOUNDS DETECTED IN SHALLOW GROUND-WATER SAMPLES (ppm) IN AREA A, PHASE II INVESTIGATION

Project No.1649

LEVINE • FRICKE
CONSULTING ENGINEERS AND HYDROGEOLOGISTS

ALS12XII.00dgn


LDS WAREH
B3
B2
GW-10 ND
GW-4
Yerba Buena Avenue
0.014 1,1-DCA
0.73 1,1-DCE
0.270 1,1,1-TCA
LF-5
LF-5D
ND
A23
LF-6
A21
A20
A19
LF-17
A12
GW-3
0.001 1,1-DCA
0.009 1,1-DCE
0.003 1,1,1-TCA
GW-21
A22
0.001 1,1-DCE
0.008 1,1-DCA
0.490 1,1-DCE
0.062 1,1,1-TCA
0.003 1,1-DCE
0.00005 1,1,1-TCA
A10
A16
LF-19
LF-4
LF-4D
0.008 1,1-DCA
0.150 1,1-DCE
0.034 1,1,1-TCA
0.007 1,1-DCA
0.430 1,1-DCE
0.057 1,1,1-TCA
A8
GW-19 ND
A17
A15
A13
A18
A9
A7
LF-18
A11
0.003 1,1,1-TCA
A5
Hollis Street
A14
LF-3

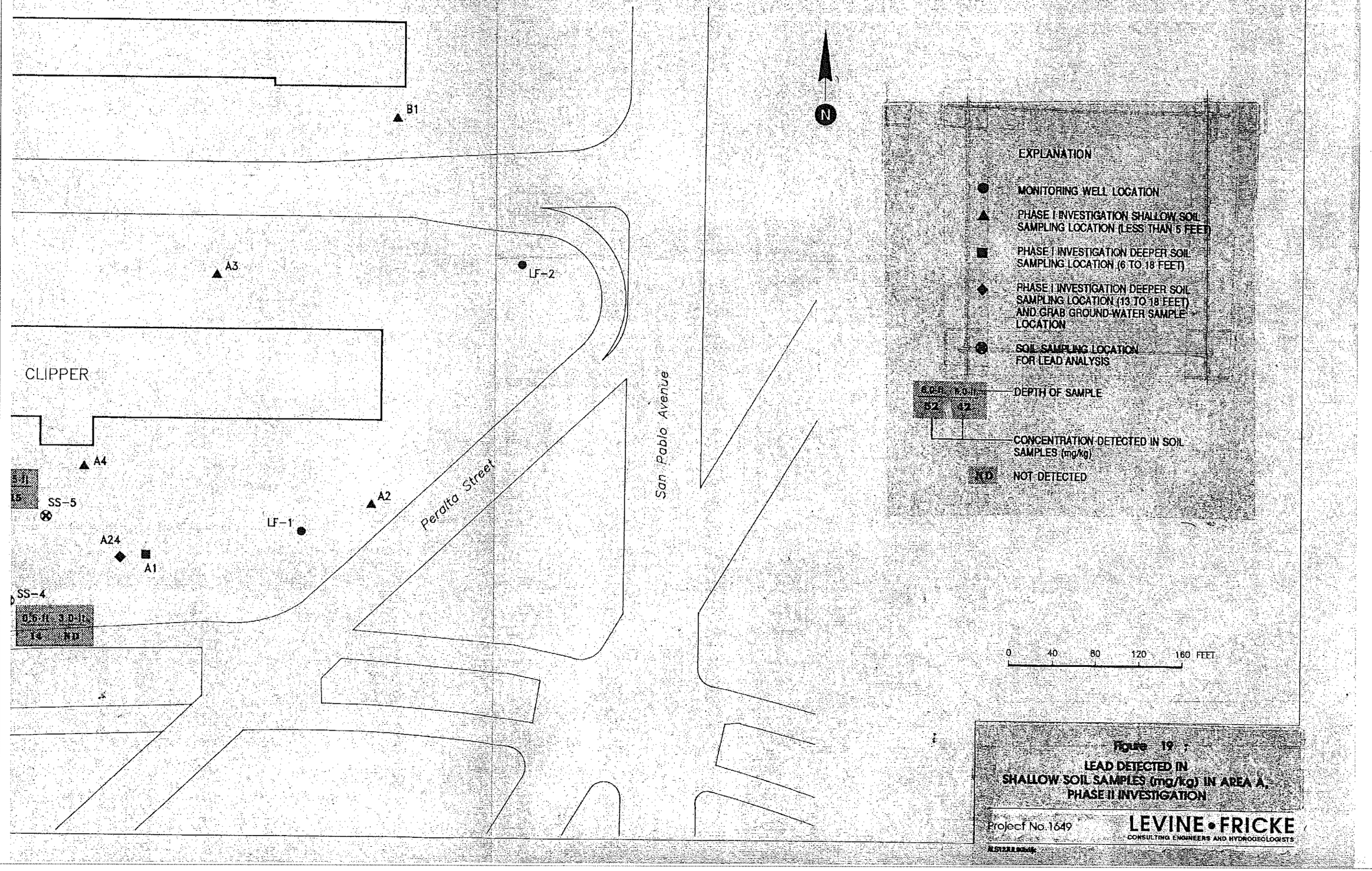
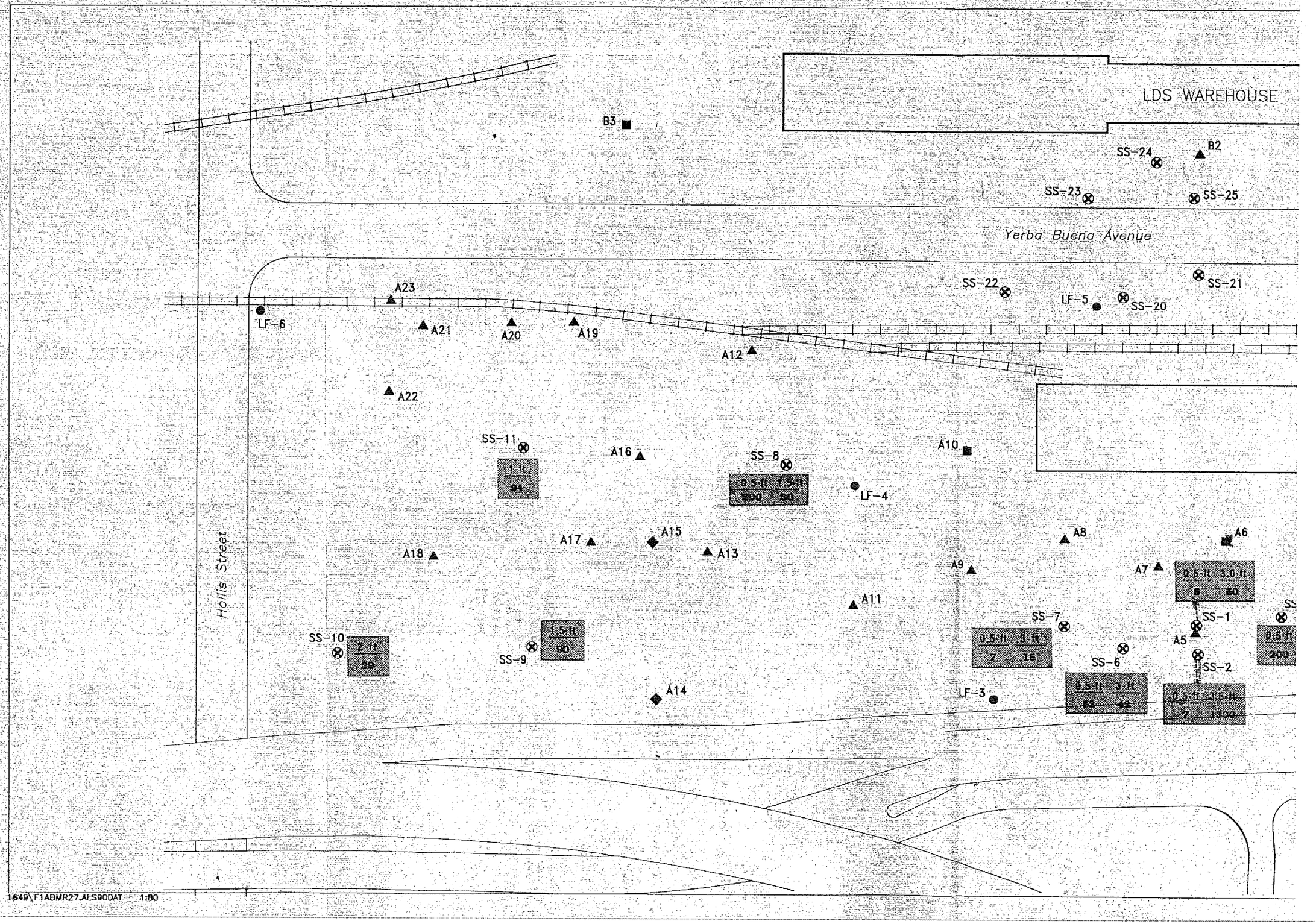


Figure 19

LEAD DETECTED IN SHALLOW SOIL SAMPLES (mg/kg) IN AREA A, PHASE II INVESTIGATION

Project No.1649

LEVINE • FRICKE
CONSULTING ENGINEERS AND HYDROGEOLOGISTS


LDS WAREHOUSE
Yerba Buena Avenue
Hollis Street
B3
B2
SS-24
SS-23
SS-25
SS-22
SS-21
LF-5
SS-20
A23
LF-6
A21
A20
A19
A12
A22
SS-11
A16
SS-8
A10
LF-4
A17
A15
A13
A18
A8
A6
A9
A7
A11
SS-7
SS-1
A5
SS-10
SS-9
SS-6
SS-2
A14
LF-3
1649\F1ABMR27.AI,S90DAT 1:80

ATTACHMENT 7

RO0003093 - Yerba Buena/ East Bay Bridge Center

Summary of Boring/ and Test Pit Identification by Facility-
Investigations Covering More Than One Facility
And
Groundwater Monitoring Wells by Facility

Facility	Area	Item	Identification
Clipper Exxpress	A	Borings	A-1, A3 thru 11, A-24; PH3-1 thru -8; BB-31, -32, -35, -41; SS-1 thru 7, SS-20, 21, 22; GW-3, 19, 28, 29; BB-32, 41 ,31, 35,36, 37; SBVOC-1, SVOC-2, SVOC-10 -11, AW1-3, AW-2-2, AN1-2, AN2-2, A-TPH-1, A-TPH-2; AE1-3, AE2-3, AS-1-3, AS-2-3, AF2-5, AF1-4 , SG-1,2,3,4,5,7,11,12,13, 14, 15 (note two SG-15's), 17, 18, 22, 23;
		Wells	LF-3 thru LF-4 & 4D & 4Z; LF-5 & 5D; MW-6 & 6D, 7 & 7D & 7Z
LDS	B	Borings	*B-1* thru *7; SG-4, 8, 9, , 24, 25; GW-4, 10, 30, 34; SS-23, 24, 25; BB-44; SVOC-3* thru *9*
		Wells	LF-20 & 21; MW-3
Santa Fe Terminal Services -A	A	Borings	A-12 thru 23; GW-21, 26, 31, 32, 33; SG-19, 20; SG-19 thru 21; BB-38, 40; SS-8 thru 11; SS-14 (sidewall), TPI-8, BS-14, SSW-8, SW-14, SNW-8-R, SN-14, SN-8-RR, SNE-8, SE-8RR, SE-14, SSE-8;
		Wells	LF-5 & 6, LF-17 thru 19 & 19D, MW- 8, 9 & 9D; EX-1 thru 4
Santa Fe Terminal Services -B	B	Borings	B-35;
		Wells	LF-4 & 21;

TABLE 6A

METAL COMPOUNDS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	Sb	As	Be	Cd	Cr	Cu	Pb	Hg	Ni	Se	Ag	Tl	Zn
A1	A1(14)C	22-Jan-90	14.0	NA	NA	NA	NA	NA	NA	6	NA	NA	NA	NA	NA	NA
A1	A1(17.5)C	22-Jan-90	17.5	NA	NA	NA	NA	NA	NA	5	NA	NA	NA	NA	NA	NA
A5	A5(2)A	24-Jan-90	2.0	ND	6.9	0.5	0.6	42	51	100	ND	40	ND	ND	ND	110
A5	A5(3.5)B	24-Jan-90	3.5	ND	3.6	0.4	2.8	58	49	1400	1.9	27	2	ND	ND	200
A6	A6(1.5)B	23-Jan-90	1.5	ND	3.7	0.5	0.3	27	27	72	0.4	27	3	ND	ND	99
A6	A6(25)C	24-Jan-90	25.0	ND	6	0.3	0.2	42	17	5	ND	50	ND	ND	ND	39
A7	A7(5.5)B	24-Jan-90	5.5	ND	4.8	0.4	ND	28	16	6	ND	36	2	ND	ND	36
A8	A8(2)A	24-Jan-90	2.0	ND	4.4	0.7	0.2	47	20	7	ND	44	ND	ND	ND	47
A8	A8(4.5)B	24-Jan-90	4.5	ND	3.2	0.4	0.3	30	35	58	0.4	31	2	ND	ND	92
A9	A9(1.5)A	24-Jan-90	1.5	ND	5.1	0.4	ND	26	17	24	0.2	35	3	ND	ND	55
A9	A9(4.5)B	24-Jan-90	4.5	ND	5.7	0.5	ND	30	25	29	0.4	32	4	ND	ND	56
A10	A10(4.5)B	25-Jan-90	4.5	ND	3.4	0.5	0.7	41	56	24	ND	42	ND	ND	ND	240
A11	A11(4)B	05-Feb-90	4.0	ND	1.8	0.5	0.3	44	32	10	ND	40	ND	ND	ND	67
A12	A12(1)A	05-Feb-90	1.0	ND	8.3	ND	0.7	52	130	200	ND	39	ND	ND	ND	190
A12	A12(3.5)B	05-Feb-90	3.5	ND	9.6	0.4	ND	43	30	16	ND	31	ND	ND	ND	51
A13	A13(1)A	05-Feb-90	1.0	ND	8	0.5	0.2	33	27	51	ND	31	ND	ND	ND	74
A13	A13(4)B	05-Feb-90	4.0	ND	1.6	0.6	0.2	44	23	7	ND	36	ND	ND	ND	71
A14	A14(5.5)B	25-Jan-90	5.5	ND	5.3	0.5	1.6	34	150	140	ND	32	ND	ND	ND	110
A15	A15(3)A	25-Jan-90	3.0	ND	15	0.5	0.3	38	110	92	ND	39	ND	ND	ND	95
A15	A15(4.5)B	25-Jan-90	4.5	ND	5.2	0.4	0.7	32	41	64	ND	47	ND	ND	ND	160
A16	A16(4)B	05-Feb-90	4.0	ND	0.9	0.5	0.2	41	25	11	ND	36	ND	ND	ND	49
A17	A17(1)A	05-Feb-90	1.0	ND	2.8	0.4	0.5	34	47	100	0.2	39	ND	ND	ND	110
A17	A17(4)B	05-Feb-90	4.0	ND	1.7	0.7	0.3	39	20	6	ND	46	ND	ND	ND	69
A18	A18(4)B	05-Feb-90	4.0	ND	2.7	0.5	0.4	45	91	19	ND	49	ND	ND	ND	59

TABLE 6A

METAL COMPOUNDS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID.	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	Sb	As	Be	Cd	Cr	Cu	Pb	Hg	Ni	Se	Ag	Tl	Zn
A19	A19(3)B	05-Feb-90	3.0	ND	0.9	0.6	ND	42	29	18	ND	37	1	ND	ND	55
A20	A20(1)A	05-Feb-90	1.0	ND	3.4	0.2	1.5	51	640	290	0.5	36	ND	ND	ND	410
A20	A20(2.5)B	05-Feb-90	2.5	ND	0.9	0.4	ND	41	21	11	ND	34	ND	ND	ND	50
A21	A21(2.5)B	05-Feb-90	2.5	ND	0.9	0.3	0.4	37	340	560	ND	31	1	ND	ND	320
A22	A22(1)A	05-Feb-90	1.0	ND	1.1	ND	0.4	31	120	130	1.9	33	ND	ND	ND	120
A22	A22(4)B	05-Feb-90	4.0	ND	ND	0.3	ND	35	40	39	ND	31	ND	ND	ND	48
A23	A23(3)B	25-Jan-90	3.0	ND	12	0.9	0.2	28	12	10	ND	22	ND	ND	ND	23
A24	A24(17)C	23-Jan-90	17.0	NA	NA	NA	NA	NA	NA	4	NA	NA	NA	NA	NA	NA
B1	B1(4)B	29-Jan-90	4.0	ND	3.7	0.4	0.3	45	19	7	ND	50	ND	ND	ND	46
B2	B2(4)B	29-Jan-90	4.0	ND	2.3	0.4	ND	29	17	4	ND	20	ND	ND	ND	26
B6	B6(4)B	26-Jan-90	4.0	ND	26	0.4	0.7	54	38	59	ND	68	ND	ND	ND	230
B7	B7(1.5)A	26-Jan-90	1.5	ND	7.1	0.2	0.2	34	24	19	0.3	38	ND	ND	ND	86
B8	B8(3.5)B	30-Jan-90	3.5	ND	1.8	0.4	ND	42	25	5	ND	32	ND	ND	ND	36
B9	B9(1.5)A	26-Jan-90	1.5	ND	34	0.3	ND	24	23	9	ND	30	ND	ND	ND	53
B10	B10(4.5)B	30-Jan-90	4.5	ND	2.2	0.7	0.4	40	25	9	ND	41	ND	ND	ND	64
B11	B11(1.5)A	26-Jan-90	1.5	ND	8.9	0.4	0.2	61	30	30	ND	64	ND	ND	ND	61
B12	B12(3.5)A	29-Jan-90	3.5	ND	15	0.4	0.3	38	20	7	ND	42	ND	ND	ND	55
B16	B16(3.5)A	29-Jan-90	3.5	ND	23	ND	ND	14	14	15	ND	16	ND	ND	ND	39
B16	B16(9.5)C	29-Jan-90	9.5	ND	6.1	0.6	0.3	43	17	5	ND	43	ND	ND	ND	43
B19	B19(1)A	01-Feb-90	1.0	ND	1.6	0.3	ND	20	26	13	ND	30	2	ND	ND	52
B19	B19(5)B	01-Feb-90	5.0	ND	0.9	0.5	0.2	42	22	5	ND	37	ND	ND	ND	40
B21	B21(1)A	01-Feb-90	1.0	ND	2.4	ND	0.6	24	38	110	ND	27	1	ND	ND	320

TABLE 6A

METAL COMPOUNDS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	Sb	As	Be	Cd	Cr	Cu	Pb	Hg	Ni	Se	Ag	Tl	Zn
B22	B22(1.5)	02-Feb-90	1.5	NA	NA	NA	NA	NA	NA	330	NA	NA	NA	NA	NA	NA
B25	B25(1)A	29-Jan-90	1.0	ND	31	0.5	0.4	77	60	44	ND	93	ND	ND	ND	110
B25	B25(3.5)B	29-Jan-90	3.5	ND	2.6	0.6	ND	31	17	5	ND	26	ND	ND	ND	29
B26	B26(3.5)B	29-Jan-90	3.5	ND	2.4	0.3	ND	42	16	4	ND	26	ND	ND	ND	30
B27	B27(3.5)B	23-Feb-90	3.5	ND	1.4	0.5	ND	31	14	4	ND	24	ND	ND	ND	24
B29	B29(3)A	22-Feb-90	3.0	ND	5	0.3	0.2	32	27	31	ND	35	ND	ND	ND	61
B29	B29(4.5)B	22-Feb-90	4.5	ND	4	0.3	ND	35	15	5	ND	31	ND	ND	ND	30
B30	B30(4)B	22-Feb-90	4.0	ND	ND	0.2	ND	30	14	5	ND	26	ND	ND	ND	29
B31	B31(2)A	22-Feb-90	2.0	ND	2	0.3	0.5	38	38	21	0.2	38	ND	ND	ND	180
B34	B34(3.5)B	30-Jan-90	3.5	ND	3.5	0.6	0.4	44	35	22	ND	45	ND	ND	ND	74
B35	B35(1.5)A	29-Jan-90	1.5	ND	3.1	ND	ND	11	17	14	ND	13	ND	ND	ND	34
B35	B35(4)B	29-Jan-90	4.0	ND	2.8	0.5	0.3	37	23	8	ND	38	ND	ND	ND	45
C1	C1(3.5)B	31-Jan-90	3.5	ND	2.0	0.3	ND	30	12	5	ND	15	ND	ND	ND	24
C2	C2(1)A	30-Jan-90	1.0	ND	25	2.1	0.2	36	30	56	0.2	31	ND	ND	ND	89
C2	C2(4)B	30-Jan-90	4.0	ND	3	0.5	ND	36	13	6	0.2	24	ND	ND	ND	28
C3	C3(4)B	31-Jan-90	4.0	ND	3.8	0.4	ND	34	15	6	ND	24	ND	ND	ND	30
C4	C4(4)B	30-Jan-90	4.0	ND	1.6	0.4	ND	30	9	4	ND	18	ND	ND	ND	18
C5	C5(4)B	30-Jan-90	4.0	ND	1.6	0.4	ND	39	16	4	ND	21	ND	ND	ND	30
C6	C6(1)A	15-Feb-90	1.0	ND	ND	0.3	0.2	39	21	14	ND	33	ND	ND	ND	42
C6	C6(3)B	15-Feb-90	3.0	ND	ND	0.4	ND	43	11	4	ND	32	ND	ND	ND	25
C7	C7(4)B	31-Jan-90	4.0	ND	2.1	0.6	ND	42	15	5	ND	25	ND	ND	ND	32
C8	C8(4)B	06-Feb-90	4.0	ND	1.3	0.4	0.3	33	29	27	ND	38	ND	ND	ND	68

TABLE 6A

METAL COMPOUNDS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	Sb	As	Be	Cd	Cr	Cu	Pb	Hg	Ni	Se	Ag	Tl	Zn
C9	C9(3.5)B	08-Feb-90	3.5	NA	NA	NA	NA	NA	NA	5.0	NA	NA	NA	NA	NA	NA
C9	C9(9)C	08-Feb-90	9.0	NA	NA	NA	NA	NA	NA	3.0	NA	NA	NA	NA	NA	NA
C10	C10(4)B	08-Feb-90	4.0	NA	NA	NA	NA	NA	NA	5.0	NA	NA	NA	NA	NA	NA
C10	C10(9.5)C	08-Feb-90	9.5	NA	NA	NA	NA	NA	NA	4.0	NA	NA	NA	NA	NA	NA
C12	C12(3.5)B	31-Jan-90	3.5	ND	6.8	0.4	0.3	45	27	9	ND	33	ND	ND	ND	58
C13	C13(3)B	15-Feb-90	3.0	ND	2	0.3	ND	41	16	5	ND	30	ND	ND	ND	29
C14	C14(4)B	05-Feb-90	4.0	ND	ND	ND	ND	33	29	27	ND	38	ND	ND	ND	27
C15	C15(.5)A	31-Jan-90	0.5	ND	22	0.4	0.9	39	72	240	0.2	42	ND	ND	ND	420
C15	C15(4)B	31-Jan-90	4.0	ND	ND	0.5	ND	33	29	5	ND	29	ND	ND	ND	38
C16	C16(4)B	31-Jan-90	4.0	ND	5.6	0.6	0.2	36	24	7	ND	32	ND	ND	ND	44
C17	C17(1)A	08-Feb-90	1.0	ND	14	0.4	5.4	46	310	8800	0.5	33	ND	1	ND	47000
C17	C17(4)B	08-Feb-90	4.0	ND	ND	ND	ND	28	7.0	3.0	ND	14	1	ND	ND	16
C17	C17(9)C	08-Feb-90	9.0	ND	3.4	0.3	0.5	22	20	3	ND	35	2	ND	ND	50
C18	C18(2)A	07-Feb-90	2.0	ND	1.4	0.3	ND	21	64	9.0	ND	35	ND	ND	ND	84
C18	C18(3.5)B	07-Feb-90	3.5	ND	1	0.3	ND	18	8.0	3.0	ND	16	ND	ND	ND	15
C20	C20(3)	07-Feb-90	3.0	NA	NA	NA	NA	NA	NA	10	NA	NA	NA	NA	NA	NA
C21	C21(1)A	08-Feb-90	1.0	ND	7	0.2	1	35	120	190	0.6	58	ND	ND	ND	300
C21	C21(4)B	08-Feb-90	4.0	ND	1.7	0.3	ND	19	30	8	ND	31	ND	ND	ND	48
C21	C21(8)C	08-Feb-90	8.0	ND	1.2	0.3	ND	17	12	6	ND	35	ND	ND	ND	18
C21	C21(13)	08-Feb-90	13.0	ND	2.4	0.3	0.3	20	22	3	ND	25	ND	ND	ND	37
C23	C23(10)C	07-Feb-90	10.0	ND	0.7	0.5	ND	27	21	4.0	ND	29	ND	ND	ND	43
C24	C24(10)C	23-Feb-90	10.0	ND	1.6	0.4	ND	28	13	3.0	ND	21	ND	ND	ND	30
C25	C25(4.5)B	30-Jan-90	4.5	ND	1.4	0.3	ND	38	10	4	ND	15	ND	ND	ND	22
C26	C26(3)B	23-Feb-90	3.0	ND	ND	0.4	ND	24	11	4	ND	21	ND	ND	ND	33

TABLE 6A

METAL COMPOUNDS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	Sb	As	Be	Cd	Cr	Cu	Pb	Hg	Ni	Se	Ag	Tl	Zn
C27	C27(10)C	07-Feb-90	10.0	ND	0.8	0.4	ND	23	11	4.0	ND	12	ND	ND	ND	16
LF1	LF1(1.5)B	23-Jan-90	1.5	ND	4.5	0.4	0.3	25	18	6	ND	29	4	ND	ND	39
LF2	LF2(3.5)B	22-Jan-90	3.5	ND	2.2	0.2	ND	21	20	3	ND	14	ND	ND	ND	34
LF4	LF4(4)B	25-Jan-90	4.0	ND	3.8	0.6	0.2	42	31	4	ND	44	ND	ND	ND	57
LF5	LF5(4)B	24-Jan-90	4.0	ND	12	0.3	1	25	160	530	ND	29	ND	ND	ND	270
LF10	LF10(4.5)B	31-Jan-90	4.5	ND	3.8	0.5	ND	31	17	6	ND	37	ND	ND	ND	38
LF11	LF11(1.5)A	31-Jan-90	1.5	ND	2.2	0.6	0.2	35	30	6	ND	32	ND	ND	ND	50
LF11	LF11(4)B	01-Feb-90	4.0	ND	2.3	0.2	ND	36	8	4	ND	16	ND	ND	ND	20
LF12	LF12(4.5)B	12-Feb-90	4.5	ND	2	ND	ND	61	36	18	ND	43	ND	ND	ND	80
	Background															
	*observed range	low		<1	6.5	<1	0.01	150	30	30	0.082	30	<0.1	NL	NL	120
		high		10	65.0	<1	0.7	1,500	700	700	5.1	700	0.5	NL	NL	3,500
		TTLC		500	500	75	100	2,500	2,500	1,000	20	2,000	100	500	700	5,000
		STLC		15	5.0	0.75	1.0	560	25	5.0	0.2	20	1.0	5.0	7.0	250
	Detection Limit			5.0	0.5	0.2	0.2	1.0	1.0	1.0	0.2	1.0	1.0	0.3	1.0	2.0
	Method Reference			7040	7060	7090	7130	7190	7210	7420	7471	7520	7740	7760	7840	7950

NOTES:

NL - not listed
NA - not analyzed
ND - not detected
*Shacklette, H.T., and J.G. Boerngen, 1984. Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States. U.S. Geological Survey Professional Paper 1270.
TTLC - Total Threshold Limit Concentration
STLC - Soluble Threshold Limit Concentration

Key to Abbreviations:

Sb = Antimony
As = Arsenic
Be = Beryllium
Cd = Cadmium
Cr = Chromium
Cu = Copper
Pb = Lead
Hg = Mercury
Ni = Nickel
Se = Selenium
Ag = Silver
Tl = Thallium
Zn = Zinc

TABLE 6B

SEMI-VOLATILE ORGANIC CHEMICALS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	Notes	PYRENE	PCB AROCLOR 1260
A5	A5(2)A	24-Jan-90	2.0		ND	NA
A5	A5(3.5)B	24-Jan-90	3.5		ND	NA
A6	A6(1.5)B	23-Jan-90	1.5		NA	ND
A8	A8(2)A	24-Jan-90	2.0		NA	ND
A8	A8(4.5)B	24-Jan-90	4.5		NA	ND
A9	A9(4.5)B	24-Jan-90	4.5		NA	ND
A11	A11(4)B	05-Feb-90	4.0		ND	NA
A12	A12(1)A	05-Feb-90	1.0		NA	ND
A12	A12(3.5)B	05-Feb-90	3.5		ND	ND
A13	A13(4)B	05-Feb-90	4.0		NA	ND
A15	A15(3)A	25-Jan-90	3.0		ND	NA
A15	A15(4.5)B	25-Jan-90	4.5		ND	NA
A15	A15(9.5)	25-Jan-90	9.5		ND	NA
A16	A16(4)B	05-Feb-90	4.0		ND	NA
A17	A17(4)B	05-Feb-90	4.0		NA	ND
A18	A18(4)B	05-Feb-90	4.0		ND	NA
A19	A19(1)A	05-Feb-90	1.0		NA	ND
A19	A19(3)B	05-Feb-90	3.0		ND	ND
A22	A22(1)A	05-Feb-90	1.0		NA	0.1
A22	A22(4)B	05-Feb-90	4.0		NA	ND
A23	A23(3)B	25-Jan-90	3.0		ND	NA
B1	B1(4)B	29-Jan-90	4.0		ND	NA
B2	B2(4)B	29-Jan-90	4.0		ND	NA

TABLE 6B

SEMI-VOLATILE ORGANIC CHEMICALS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	Notes	PYRENE	PCB AROCLOR 1260
B3	B3(1.5)A	26-Jan-90	1.5		ND	NA
B5	B5(5)B	26-Jan-90	5.0		ND	NA
B6	B6(4)B	26-Jan-90	4.0		ND	NA
B7	B7(1.5)A	26-Jan-90	1.5		0.39	NA
B8	B8(3.5)B	30-Jan-90	3.5		ND	NA
B9	B9(1.5)A	26-Jan-90	1.5		ND	NA
B10	B10(4.5)B	30-Jan-90	4.5		ND	NA
B11	B11(1.5)A	29-Jan-90	1.5		ND	NA
B12	B12(3.5)A	29-Jan-90	3.5		ND	NA
B15	B15(4)B	02-Feb-90	4.0		ND	++ND
B16	B16(3.5)A	29-Jan-90	3.5		ND	NA
B16	B16(9.5)C	29-Jan-90	9.5		ND	NA
B19	B19(1)A	01-Feb-90	1.0		ND	NA
B19	B19(5)B	01-Feb-90	5.0		ND	ND
B20	B20(4)B	01-Feb-90	4.0		ND	NA
B21	B21(1)A	01-Feb-90	1.0		ND	NA
B21	B21(4)B	01-Feb-90	4.0		ND	NA
B21	B21(7.5)C	01-Feb-90	7.5		ND	NA
B22	B22(1.5)	02-Feb-90	1.5		ND	++ND
B24	B24(8.5)C	22-Feb-90	8.5		ND	NA
B25	B25(1)A	29-Jan-90	1.0		NA	0.38

TABLE 6B

SEMI-VOLATILE ORGANIC CHEMICALS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	Notes	PYRENE	PCB AROCLOR 1260
B26	B26(.5)A	29-Jan-90	0.5		NA	5.4
B26	B26(3.5)B	29-Jan-90	3.5		ND	ND
B27	B27(3.5)B	22-Feb-90	3.5		NA	ND
B30	B30(4)B	21-Feb-90	4.0		NA	ND
B32	B32(1.5)A	21-Feb-90	1.5		NA	ND
B34	B34(3.5)B	30-Jan-90	3.5		ND	ND
B35	B35(4)B	29-Jan-90	4.0		ND	NA
C1	C1(3.5)B	31-Jan-90	3.5		ND	NA
C2	C2(4)B	30-Jan-90	4.0		ND	NA
C3	C3(4)B	31-Jan-90	4.0		ND	NA
C4	C4(4)B	30-Jan-90	4.0		ND	NA
C5	C5(4)B	30-Jan-90	4.0		ND	NA
C6	C6(1)A	15-Feb-90	1.0		NA	ND
C6	C6(3)B	15-Feb-90	3.0		NA	ND
C7	C7(4)B	31-Jan-90	4.0		NA	ND
C8	C8(4)B	06-Feb-90	4.0		ND	NA
C12	C12(3.5)B	31-Jan-90	3.5		ND	+ND
C15	C15(.5)A	31-Jan-90	0.5		ND	NA
C15	C15(4)B	31-Jan-90	4.0		ND	+ND
C16	C16(4)B	31-Jan-90	4.0		NA	ND

TABLE 6B

SEMI-VOLATILE ORGANIC CHEMICALS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	Notes	PYRENE	PCB AROCLOR 1260
C17	C17(1)A	08-Feb-90	1.0		ND	NA
C17	C17(4)B	08-Feb-90	4.0		ND	NA
C17	C17(9)C	08-Feb-90	9.0		ND	NA
C18	C18(3.5)B	07-Feb-90	3.5		ND	NA
C19	C19(4)B	08-Feb-90	4.0		ND	NA
C21	C21(1)A	08-Feb-90	1.0		NA	0.2
C21	C21(4)B	08-Feb-90	4.0		ND	NA
C21	C21(8)C	08-Feb-90	8.0		ND	NA
C21	C21(13)	08-Feb-90	13.0		ND	NA
C23	C23(10)C	07-Feb-90	10.0		ND	NA
C24	C24(3.5)B	22-Feb-90	3.5		ND	NA
C24	C24(10)C	22-Feb-90	10.0		ND	NA
C25	C25(4.5)B	30-Jan-90	4.5		ND	NA
C26	C26(3)B	22-Feb-90	3.0		ND	NA
C27	C27(3)B	07-Feb-90	3.0		ND	NA
C27	C27(10)C	07-Feb-90	10.0		ND	NA
LF1	LF1(1.5)B	23-Jan-90	1.5		ND	NA
LF2	LF2(3.5)B	22-Jan-90	3.5		ND	NA
LF4	LF4(4)B	25-Jan-90	4.0		ND	NA
LF5	LF5(4)B	24-Jan-90	4.0		**ND	NA
LF6	LF6(4.5)B	29-Jan-90	4.5		ND	NA
LF8	LF8(3)B	26-Jan-90	3.0		ND	NA
LF10	LF10(4.5)B	31-Jan-90	4.5		ND	NA

TABLE 6B

SEMI-VOLATILE ORGANIC CHEMICALS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	Notes	PYRENE	PCB AROCLOR 1260
LF11	LF11(1.5)A	31-Jan-90	1.5		ND	NA
LF11	LF11(4)B	01-Feb-90	4.0		ND	NA
LF12	LF12(4.5)B	12-Feb-90	4.5		ND	ND
Detection Limit					0.33	0.05

NOTES:

NA - not analyzed
ND - not detected

* Detection Limit 1.7 ppm
** Detection Limit 3.3 ppm
\+ Estimated Detection Limit 1.6 ppm
++ Estimated Detection Limit 8 ppm
@ Detection Limit .66 ppm

(1) Also detected: 2.8 ppm Acenaphthene; 2.0 ppm Anthracene, 0.85 ppm Be 0.85 ppm Benzo(a)pyrene; 0.78 ppm Benzo(b)fluoranthene; 0.75 ppm Benz 1.1 ppm Chrysene; 3.7 ppm Fluoranthene; 2.8 ppm Fluorene; 8.3 ppm Phe

(2) Sample was diluted 100x due to significant diesel content. Detection limits were adjusted accordingly; 33 ppm for Pyrene, 2-Meth naphthalene, and Naphthalene

TABLE 6C

VOLATILE ORGANIC COMPOUNDS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	NOTES	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	ACE	B	T	E	X	1,1-DCA	1,1-DCE	TCE	1,2-DCE
A1	(1)	A1(14)C	22-Jan-90	14.0	ND	ND	0.019	ND	ND	NA	NA	NA	NA
A1	(1)	A1(17.5)C	22-Jan-90	17.5	ND	ND	ND	ND	ND	NA	NA	NA	NA
A5		A5(2)A	24-Jan-90	2.0	ND	*ND	*ND	*ND	**ND	ND	ND	ND	ND
A5		A5(3.5)B	24-Jan-90	3.5	ND	*ND	0.007	*ND	**ND	ND	ND	ND	ND
A6		A6(25)C	24-Jan-90	25.0	ND	*ND	*ND	*ND	*ND	ND	ND	ND	ND
A11		A11(4)B	05-Feb-90	4.0	ND	*ND	0.2	*ND	**ND	ND	ND	ND	ND
A14		A14(19.5)C	25-Jan-90	19.5	ND	*ND	*ND	*ND	**ND	ND	ND	ND	ND
A15		A15(4.5)B	25-Jan-90	4.5	ND	*ND	0.034	*ND	**ND	ND	ND	ND	ND
A15		A15(9.5)	25-Jan-90	9.5	ND	*ND	0.016	*ND	**ND	ND	ND	ND	ND
A18		A18(4)B	05-Feb-90	4.0	ND	*ND	0.21	*ND	**ND	ND	ND	ND	ND
A23		A23(3)B	25-Jan-90	3.0	ND	*ND	0.054	*ND	**ND	ND	ND	ND	ND
A24	(1)	A24(17)C	23-Jan-90	17.0	ND	ND	0.015	ND	ND	NA	NA	NA	NA
A24	(1)	A24(3.5)B	23-Jan-90	3.5	ND	ND	0.03	ND	ND	NA	NA	NA	NA
B2		B2(4)B	29-Jan-90	4.0	ND	*ND	0.01	*ND	**ND	0.006	0.009	ND	ND
B4		B4(3)B	26-Jan-90	3.0	ND	*ND	0.29	*ND	**ND	ND	ND	ND	ND
B4		B4(7.5)C	26-Jan-90	7.5	ND	*ND	0.024	0.019	**ND	ND	ND	ND	ND
B5		B5(5)B	26-Jan-90	5.0	ND	*ND	*ND	*ND	**ND	ND	ND	ND	ND
B8		B8(3.5)B	30-Jan-90	3.5	ND	*ND	0.062	*ND	**ND	ND	ND	ND	ND
B10		B10(4.5)B	30-Jan-90	4.5	ND	*ND	0.028	*ND	**ND	ND	ND	ND	ND
B12		B12(3.5)A	29-Jan-90	3.5	ND	*ND	0.032	*ND	**ND	ND	ND	ND	ND
B14A	(1)	B14A(4)B	02-Feb-90	4.0	ND	*ND	0.25	*ND	***ND	NA	NA	NA	NA
B14A	(1)	B14A(9)C	02-Feb-90	9.0	ND	++ND	0.025	++ND	+++ND	NA	NA	NA	NA
B14B	(1)	B14B(4)B	01-Feb-90	4.0	ND	ND	0.36	ND	ND	NA	NA	NA	NA

TABLE 6C

VOLATILE ORGANIC COMPOUNDS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	NOTES	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	ACE	B	T	E	X	1,1-DCA	1,1-DCE	TCE	1,2-DCE
B148	(1)	B148(7.5)C	01-Feb-90	7.5	ND	0.83	2.5	3.1	16	NA	NA	NA	NA
B15	(1)	B15(4)B	02-Feb-90	4.0	ND	100	200	190	910	NA	NA	NA	NA
B15	(1)	B15(4)B	02-Feb-90	4.0	ND	91	240	300	1000	NA	NA	NA	NA
B15	(1)	B15(9)C	02-Feb-90	9.0	ND	3.8	31	13	72	NA	NA	NA	NA
B16	(1)	B16(9.5)C	29-Jan-90	9.5	ND	ND	0.19	ND	ND	NA	NA	NA	NA
B17	(1)	B17(9)C	02-Feb-90	9.0	ND	2	8.7	4.9	21	NA	NA	NA	NA
B27		B27(3.5)B	22-Feb-90	3.5	ND	*ND	0.02	*ND	*ND	ND	ND	ND	ND
B29		B29(3)A	21-Feb-90	3.0	ND	*ND	ND	*ND	*ND	ND	ND	ND	ND
B29		B29(4.5)B	21-Feb-90	4.5	ND	*ND	0.026	*ND	*ND	ND	ND	ND	ND
B30		B30(2)A	21-Feb-90	2.0	ND	*ND	0.2	*ND	*ND	ND	ND	ND	ND
B30		B30(4)B	21-Feb-90	4.0	0.15	*ND	0.036	*ND	*ND	ND	ND	ND	ND
B31		B31(2)A	21-Feb-90	2.0	ND	*ND	0.053	*ND	*ND	ND	ND	ND	ND
B31		B31(5.5)B	21-Feb-90	5.5	ND	*ND	0.025	*ND	*ND	ND	ND	ND	ND
B33		B33(2)A	21-Feb-90	2.0	0.22	*ND	0.29	*ND	0.071	ND	ND	ND	ND
B33		B33(10)C	21-Feb-90	10.0	ND	*ND	0.055	*ND	*ND	ND	ND	ND	ND
B34		B34(3.5)B	30-Jan-90	3.5	ND	*ND	0.081	*ND	**ND	ND	ND	ND	ND
B35		B35(4)B	29-Jan-90	4.0	ND	*ND	0.018	*ND	**ND	ND	ND	ND	ND
C1		C1(3.5)B	31-Jan-90	3.5	ND	*ND	*ND	*ND	**ND	ND	ND	ND	ND
C5		C5(4)B	30-Jan-90	4.0	ND	*ND	0.013	*ND	**ND	ND	ND	ND	ND
C8		C8(4)B	06-Feb-90	4.0	ND	*ND	0.54	*ND	**ND	ND	ND	ND	ND
C9	(1)	C9(3.5)B	08-Feb-90	3.5	ND	ND	ND	ND	ND	NA	NA	NA	NA
C9	(1)	C9(9)C	08-Feb-90	9.0	ND	ND	ND	ND	ND	NA	NA	NA	NA
C10	(1)	C10(4)B	08-Feb-90	4.0	ND	ND	0.045	ND	ND	NA	NA	NA	NA
C10	(1)	C10(9.5)C	08-Feb-90	9.5	ND	ND	ND	ND	ND	NA	NA	NA	NA

TABLE 6C

VOLATILE ORGANIC COMPOUNDS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	NOTES	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	ACE	B	T	E	X	1,1-DCA	1,1-DCE	TCE	1,2-DCE
C12		C12(3.5)B	31-Jan-90	3.5	ND	*ND	0.012	*ND	**ND	ND	ND	ND	ND
C15		C15(9.5)C	31-Jan-90	9.5	ND	*ND	0.15	*ND	**ND	ND	ND	ND	ND
C17		C17(1)A	08-Feb-90	1.0	ND	*ND	0.18	*ND	**ND	ND	ND	ND	ND
C17		C17(4)B	08-Feb-90	4.0	ND	*ND	0.006	*ND	**ND	ND	ND	ND	0.034
C17		C17(9)C	08-Feb-90	9.0	ND	*ND	0.033	*ND	**ND	ND	ND	0.24	0.039
C18		C18(3.5)B	07-Feb-90	3.5	ND	*ND	0.085	*ND	**ND	ND	ND	ND	ND
C19		C19(4)B	08-Feb-90	4.0	ND	*ND	0.052	*ND	**ND	ND	ND	ND	ND
C19	(1)	C19(4)B	08-Feb-90	4.0	ND	ND	0.078	ND	ND	NA	NA	NA	NA
C20		C20(3)B	07-Feb-90	3.0	ND	ND	0.027	ND	ND	ND	NA	NA	NA
C21		C21(4)B	08-Feb-90	4.0	ND	*ND	0.078	*ND	**ND	ND	ND	ND	ND
C21		C21(8)C	08-Feb-90	8.0	ND	*ND	0.073	*ND	**ND	ND	ND	ND	0.022
C21		C21(13)	08-Feb-90	13.0	ND	*ND	0.12	*ND	*ND	ND	ND	0.18	0.034
C23		C23(10)C	07-Feb-90	10.0	ND	*ND	0.006	*ND	**ND	ND	ND	ND	ND
C24		C24(10)C	22-Feb-90	10.0	ND	*ND	0.07	*ND	*ND	ND	ND	0.009	ND
C24		C24(3.5)B	22-Feb-90	3.5	ND	*ND	0.25	*ND	*ND	ND	ND	ND	ND
C25		C25(4.5)B	30-Jan-90	4.5	ND	*ND	0.005	*ND	**ND	ND	ND	ND	ND
C26		C26(3)B	22-Feb-90	3.0	ND	*ND	0.083	*ND	*ND	ND	ND	ND	ND
C27		C27(10)C	07-Feb-90	10.0	ND	*ND	0.014	*ND	**ND	ND	ND	ND	ND
C27		C27(3)B	07-Feb-90	3.0	ND	*ND	0.015	*ND	**ND	ND	ND	ND	ND
C28	(1)	C28(4)B	12-Feb-90	4.0	ND	ND	0.55	ND	ND	NA	NA	NA	NA
LF1		LF1(1.5)B	23-Jan-90	1.5	ND	*ND	0.058	*ND	**ND	ND	ND	ND	ND
LF2		LF2(3.5)B	22-Jan-90	3.5	ND	*ND	0.008	*ND	**ND	ND	ND	ND	ND
LF4		LF4(4)B	25-Jan-90	4.0	ND	*ND	0.011	*ND	**ND	ND	ND	ND	ND

TABLE 6C

VOLATILE ORGANIC COMPOUNDS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	NOTES	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	ACE	B	T	E	X	1,1-DCA	1,1-DCE	TCE	1,2-DCE
LF5		LF5(4)B	24-Jan-90	4.0	ND	+ND	0.11	+ND	@ND	ND	ND	ND	ND
LF6		LF6(4.5)B	29-Jan-90	4.5	ND	*ND	*ND	*ND	**ND	ND	ND	ND	ND
LF7	(1)	LF7(7.5)	26-Jan-90	7.5	ND	0.006	0.057	ND	0.003	NA	NA	NA	NA
LF8		LF8(3)B	26-Jan-90	3.0	ND	*ND	0.093	*ND	**ND	ND	ND	ND	ND
LF9		LF9(10)C	30-Jan-90	10	ND	*ND	*ND	*ND	**ND	ND	ND	0.007	ND
LF10		LF10(4.5)B	31-Jan-90	4.5	ND	*ND	0.035	*ND	**ND	ND	ND	ND	ND
LF11		LF11(4)B	01-Feb-90	4.0	ND	*ND	0.014	*ND	**ND	ND	ND	ND	ND
LF12		LF12(4.5)B	12-Feb-90	4.5	ND	*ND	0.068	*ND	*ND	ND	ND	ND	ND
Detection Limit					0.1	0.001	0.001	0.001	0.003	0.005	0.005	0.005	0.005

NOTES:
All samples analyzed by Med-Tox Associates of Pleasant Hilll, California, using EPA Method 8240 unless noted otherwise.

Key to Abbreviations:

A = ACETONE
T = TOLUENE
B = BENZENE
E = ETHYLBENZENE
X = Total XYLENES
1,1-DCA = 1,1-DICHLOROETHANE
1,1-DCE = 1,1-DICHLOROETHENE
TCE = TRICHLOROETHENE
1,2-DCE = 1,2-DICHLOROTHENE
NA = not analyzed
ND = not detected

* Detection Limit 0.005 ppm
** Detection Limit 0.01 ppm
*** Detection Limit 0.02 ppm
\+ Detection Limit 0.03 ppm
++ Detection Limit 0.0005 ppm
+++ Detection Limit 0.002 ppm
@ Detection Limit 0.05 ppm
1 Sample analyzed using EPA Method 8020

TABLE 6D

PETROLEUM HYDROCARBONS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	GASOLINE	DIESEL	WASTE OIL	KEROSENE	STODDARD SOLVENT	TOTAL OIL AND GREASE
A1	A1(14)C	22-Jan-90	14.0	ND	ND	ND	ND	ND	NA
A1	A1(17.5)C	22-Jan-90	17.5	ND	ND	ND	ND	ND	NA
A5	A5(2)A	24-Jan-90	2.0	NA	ND	30	NA	NA	NA
A5	A5(3.5)B	24-Jan-90	3.5	NA	ND	460	NA	NA	NA
A6	A6(1.5)B	23-Jan-90	1.5	NA	ND	130	NA	NA	NA
A7	A7(5.5)B	24-Jan-90	5.5	NA	ND	ND	NA	NA	NA
A8	A8(2)A	24-Jan-90	2.0	NA	ND	40	NA	NA	NA
A8	A8(4.5)B	24-Jan-90	4.5	NA	ND	7400	NA	NA	NA
A9	A9(4.5)B	24-Jan-90	4.5	NA	ND	340	NA	NA	NA
A11	A11(4)B	05-Feb-90	4.0	NA	ND	ND	NA	NA	NA
A12	A12(1)A	05-Feb-90	1.0	NA	ND	770	NA	NA	NA
A12	A12(3.5)B	05-Feb-90	3.5	NA	ND	450	NA	NA	NA
A13	A13(4)B	05-Feb-90	4.0	NA	ND	2100	NA	NA	NA
A14	A14(5.5)B	25-Jan-90	5.5	NA	ND	100	NA	NA	NA
A15	A15(4.5)B	25-Jan-90	4.5	NA	ND	270	NA	NA	NA
A15	A15(9.5)	25-Jan-90	9.5	NA	ND	ND	NA	NA	NA
A16	A16(4)B	05-Feb-90	4.0	NA	ND	30	1	NA	NA
A18	A18(4)B	05-Feb-90	4.0	ND	NA	NA	ND	ND	NA
A19	A19(3)B	05-Feb-90	3.0	NA	ND	60	NA	NA	NA
A20	A20(2.5)B	05-Feb-90	2.5	NA	ND	30	NA	NA	NA
A21	A21(2.5)B	05-Feb-90	2.5	NA	ND	590	NA	NA	NA

TABLE 6D

PETROLEUM HYDROCARBONS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	GASOLINE	DIESEL	WASTE OIL	KEROSENE	STODDARD SOLVENT	TOTAL OIL AND GREASE
A22	A22(1)A	05-Feb-90	1.0	NA	ND	1300	NA	NA	NA
A22	A22(4)B	05-Feb-90	4.0	NA	ND	800	NA	NA	NA
A23	A23(3)B	25-Jan-90	3.0	NA	ND	ND	NA	NA	NA
A24	A24(17)C	23-Jan-90	17.0	ND	ND	ND	ND	ND	NA
A24	A24(3.5)B	23-Jan-90	3.5	ND	ND	ND	ND	ND	NA
B1	B1(4)B	29-Jan-90	4.0	NA	ND	ND	NA	NA	NA
B2	B2(4)B	29-Jan-90	4.0	NA	ND	180	NA	NA	NA
B3	B3(1.5)A	26-Jan-90	1.5	NA	ND	ND	NA	NA	NA
B4	B4(3)B	26-Jan-90	3.0	ND	ND	220	ND	ND	NA
B4	B4(7.5)C	26-Jan-90	7.5	**ND	ND	60	110	ND	NA
B5	B5(5)B	26-Jan-90	5.0	NA	ND	ND	NA	NA	NA
B6	B6(4)B	26-Jan-90	4.0	NA	ND	410	NA	NA	NA
B7	B7(1.5)A	26-Jan-90	1.5	NA	++ND	1200	NA	50	NA
B7	B7(4)B	26-Jan-90	4.0	NA	ND	ND	ND	ND	NA
B8	B8(3.5)B	30-Jan-90	3.5	NA	ND	ND	NA	NA	NA
B9	B9(1.5)A	26-Jan-90	1.5	NA	ND	ND	NA	NA	NA
B10	B10(4.5)B	30-Jan-90	4.5	NA	ND	20	NA	NA	NA
B11	B11(1.5)A	26-Jan-90	1.5	NA	++ND	490	NA	NA	NA
B12	B12(3.5)A	29-Jan-90	3.5	NA	ND	ND	NA	NA	NA
B13	B13(9.5)C	29-Jan-90	9.5	*ND	ND	ND	ND	ND	NA
B14A	B14A(4)B	02-Feb-90	4.0	3.0	ND	20	ND	ND	NA

TABLE 6D

PETROLEUM HYDROCARBONS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	GASOLINE	DIESEL	WASTE OIL	KEROSENE	STODDARD SOLVENT	TOTAL OIL AND GREASE
B14A	B14A(9)C	02-Feb-90	9.0	ND	ND	ND	ND	ND	NA
B14B	B14B(4)B	01-Feb-90	4.0	+++ND	ND	ND	ND	ND	NA
B14B	B14B(7.5)C	01-Feb-90	7.5	110	ND	ND	ND	ND	NA
B15	B15(4)B	02-Feb-90	4.0	3900	ND	2500	ND	ND	NA
B15	B15(9)C	02-Feb-90	9.0	570	ND	ND	ND	ND	NA
B16	B16(3.5)A	29-Jan-90	3.5	*0.8	NA	NA	ND	ND	1200
B16	B16(9.5)C	29-Jan-90	9.5	ND	NA	NA	ND	ND	ND
B17	B17(4)	02-Feb-90	4.0	NA	NA		NA	NA	290
B17	B17(9)C	02-Feb-90	9.0	210	ND	ND	ND	ND	NA
B18	B18(4)B	01-Feb-90	4.0	NA	NA	NA	NA	NA	290
B19	B19(1)A	01-Feb-90	1.0	NA	NA	NA	NA	NA	4400
B19	B19(5)B	01-Feb-90	5.0	NA	NA	NA	NA	NA	320
B20	B20(4)B	01-Feb-90	4.0	NA	NA	NA	NA	NA	14
B21	B21(1)A	01-Feb-90	1.0	NA	NA	NA	NA	NA	10000
B21	B21(4)B	01-Feb-90	4.0	NA	NA	NA	NA	NA	1700
B21	B21(7.5)C	01-Feb-90	7.5	NA	NA	NA	NA	NA	11
B22	B22(1.5)	02-Feb-90	1.5	NA	ND	***100	NA	NA	NA
B24	B24(4)B	22-Feb-90	4.0	NA	ND	ND	NA	NA	NA
B24	B24(8.5)C	22-Feb-90	8.5	NA	ND	ND	NA	NA	NA
B25	B25(3.5)B	29-Jan-90	3.5	NA	ND	ND	NA	NA	NA
B26	B26(3.5)B	29-Jan-90	3.5	NA	ND	ND	NA	NA	NA
B27	B27(3.5)B	22-Feb-90	3.5	ND	ND	ND	ND	ND	NA
B29	B29(3)A	02-Mar-90	3.0	130	ND	360	220	ND	NA
B29	B29(4.5)B	02-Mar-90	4.5	ND	ND	ND	ND	ND	NA

TABLE 6D

PETROLEUM HYDROCARBONS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	GASOLINE	DIESEL	WASTE OIL	KEROSENE	STODDARD SOLVENT	TOTAL OIL AND GREASE
B30	B30(2)A	02-Mar-90	2.0	NA	660	ND	NA	NA	NA
B30	B30(4)B	02-Mar-90	4.0	ND	ND	ND	ND	ND	NA
B31	B31(2)A	02-Mar-90	2.0	NA	ND	ND	NA	NA	NA
B31	B31(5.5)B	02-Mar-90	5.5	NA	ND	ND	NA	NA	NA
B32	B32(1.5)A	02-Mar-90	1.5	36	ND	330	ND	ND	NA
B32	B32(10)C	02-Mar-90	10.0	0.4	ND	ND	ND	ND	NA
B33	B33(2)A	02-Mar-90	2.0	0.9	ND	4600	ND	ND	NA
B33	B33(10)C	02-Mar-90	10.0	0.4	ND	30	ND	ND	NA
B34	B34(3.5)B	30-Jan-90	3.5	NA	ND	ND	NA	NA	NA
B35	B35(4)B	29-Jan-90	4.0	NA	ND	ND	NA	NA	NA
C3	C3(4)B	31-Jan-90	4.0	NA	ND	ND	NA	NA	NA
C4	C4(4)B	30-Jan-90	4.0	NA	ND	ND	NA	NA	NA
C5	C5(4)B	30-Jan-90	4.0	NA	ND	ND	NA	NA	NA
C6	C6(3)B	15-Feb-90	3.0	NA	ND	ND	NA	NA	NA
C7	C7(4)B	31-Jan-90	4.0	NA	ND	ND	NA	NA	NA
C8	C8(4)B	06-Feb-90	4.0	NA	ND	60	NA	NA	NA
C9	C9(3.5)B	08-Feb-90	3.5	ND	ND	ND	ND	ND	NA
C9	C9(9)C	08-Feb-90	9.0	ND	ND	ND	ND	ND	NA
C10	C10(4)B	08-Feb-90	4.0	ND	ND	ND	ND	ND	NA
C10	C10(9.5)C	08-Feb-90	9.5	ND	ND	ND	ND	ND	NA
C11	C11(4)B	08-Feb-90	4.0	ND	ND	ND	ND	ND	NA
C12	C12(3.5)B	31-Jan-90	3.5	NA	ND	ND	NA	NA	NA

TABLE 6D

PETROLEUM HYDROCARBONS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	GASOLINE	DIESEL	WASTE OIL	KEROSENE	STODDARD SOLVENT	TOTAL OIL AND GREASE
C13	C13(3)B	15-Feb-90	3.0	NA	490	ND	NA	NA	NA
C14	C14(4)B	05-Feb-90	4.0	NA	ND	50	NA	NA	NA
C15	C15(4)B	31-Jan-90	4.0	NA	ND	ND	NA	NA	NA
C16	C16(4)B	31-Jan-90	4.0	NA	ND	ND	NA	NA	NA
C17	C17(1)A	08-Feb-90	1.0	NA	ND	60	NA	NA	NA
C17	C17(4)B	08-Feb-90	4.0	NA	ND	ND	NA	NA	NA
C17	C17(9)C	08-Feb-90	9.0	NA	ND	ND	NA	NA	NA
C18	C18(3.5)B	07-Feb-90	3.5	NA	ND	ND	NA	NA	NA
C19	C19(4)B	08-Feb-90	4.0	0.2	ND	2600	ND	ND	NA
C20	C20(3)	07-Feb-90	3.0	NA	ND	ND	NA	NA	NA
C23	C23(10)C	07-Feb-90	10.0	NA	ND	ND	NA	NA	NA
C25	C25(4.5)B	30-Jan-90	4.5	NA	ND	ND	NA	NA	NA
C26	C26(3)B	22-Feb-90	3.0	NA	ND	ND	NA	NA	NA
C27	C27(10)C	07-Feb-90	10.0	ND	ND	ND	ND	ND	NA
C28	C28(4)B	12-Feb-90	4.0	@@1.0	ND	670	ND	ND	NA
LF1	LF1(1.5)B	23-Jan-90	1.5	NA	ND	30	NA	NA	NA
LF2	LF2(3.5)B	22-Jan-90	3.5	NA	ND	ND	NA	NA	NA
LF4	LF4(4)B	25-Jan-90	4.0	ND	ND	ND	ND	ND	NA
LF5	LF5(4)B	24-Jan-90	4.0	NA	ND	14000	NA	NA	NA
LF6	LF6(4.5)B	29-Jan-90	4.5	ND	ND	ND	ND	ND	NA

TABLE 6D

PETROLEUM HYDROCARBONS DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	GASOLINE	DIESEL	WASTE OIL	KEROSENE	STODDARD SOLVENT	TOTAL OIL AND GREASE
LF7	LF7(7.5)	26-Jan-90	7.5	ND	ND	ND	ND	ND	NA
LF9	LF9(10)C	30-Jan-90	10.0	ND	ND	ND	ND	ND	NA
LF12	LF12(4.5)B	12-Feb-90	4.5	0.8	ND	620	ND	ND	NA
Detection Limit				0.2	10	20	10	20	10

NOTES:

NA - not analyzed
ND - not detected

* Sample appears to contain lighter hydrocarbons than those found in gasoline. Results based on gasoline calibration.
** Detection Limit elevated to 100 ppm due to presence of hydrocarbons heavier than those typically contained in gasoline.
*** Sample appears to be a different "cut" of hydrocarbon than the SAE 30W motor oil. Concentration was based on motor oil calibration.
\+ Detection Limit 40 ppm
++ Detection Limit 20 ppm
+++ Detection Limit 0.001 ppm
@ Detection Limit 10 ppm
@@ Gasoline result is due primarily to presence of toluene
@@@ Sample contains what appears to be a broader range of hydrocarbons than normally found in diesel fuel. The reported concentration is based on diesel calibration.

TABLE 6E

HERBICIDES DETECTED IN SOIL SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA

(concentrations in ppm)

SAMPLE LOCATION ID	SAMPLE ID	DATE SAMPLED	SAMPLE DEPTH (feet)	DALA-PON	2,4,5 -TP	2,4-D	DCBA	DCP	2,4,5 -T
A12	A12(3.5)B	05-Feb-90	3.5	ND	ND	ND	ND	ND	ND
A23	A23(3)B	25-Jan-90	3.0	ND	ND	ND	0.054	ND	ND
B9	B9(1.5)A	26-Jan-90	1.5	ND	ND	ND	ND	ND	0.24
B9	B9(4.5)B	26-Jan-90	4.5	ND	ND	ND	ND	ND	ND
B11	B11(1.5)A	29-Jan-90	1.5	ND	ND	ND	ND	ND	0.51
B11	B11(4.5)B	29-Jan-90	4.5	ND	ND	ND	ND	ND	ND
B12	B12(3.5)A	29-Jan-90	3.5	ND	ND	0.017	ND	ND	ND
C1	C1(3.5)B	31-Jan-90	3.5	ND	ND	ND	0.008	ND	ND
C3	C3(4)B	31-Jan-90	4.0	ND	ND	ND	0.015	0.05	ND
LF5	LF5(4)B	24-Jan-90	4.0	0.07	0.034	ND	ND	ND	ND
LF8	LF8(3)B	26-Jan-90	3.0	ND	ND	ND	ND	ND	0.74
Detection Limit				0.005	0.005	0.005	0.005	0.005	0.005

NOTES:

NA - not analyzed
ND - not detected

Key to Abbreviations:

DCBA = Dicamba
DCP = dichloropropane
2,4,5-TP = 2,4,5-trichlorophenoxypropanionic acid
2,4-D = 2,4-dichlorophenoxyacetic acid
2,4,5-T = 2,4,5-trichlorophenol

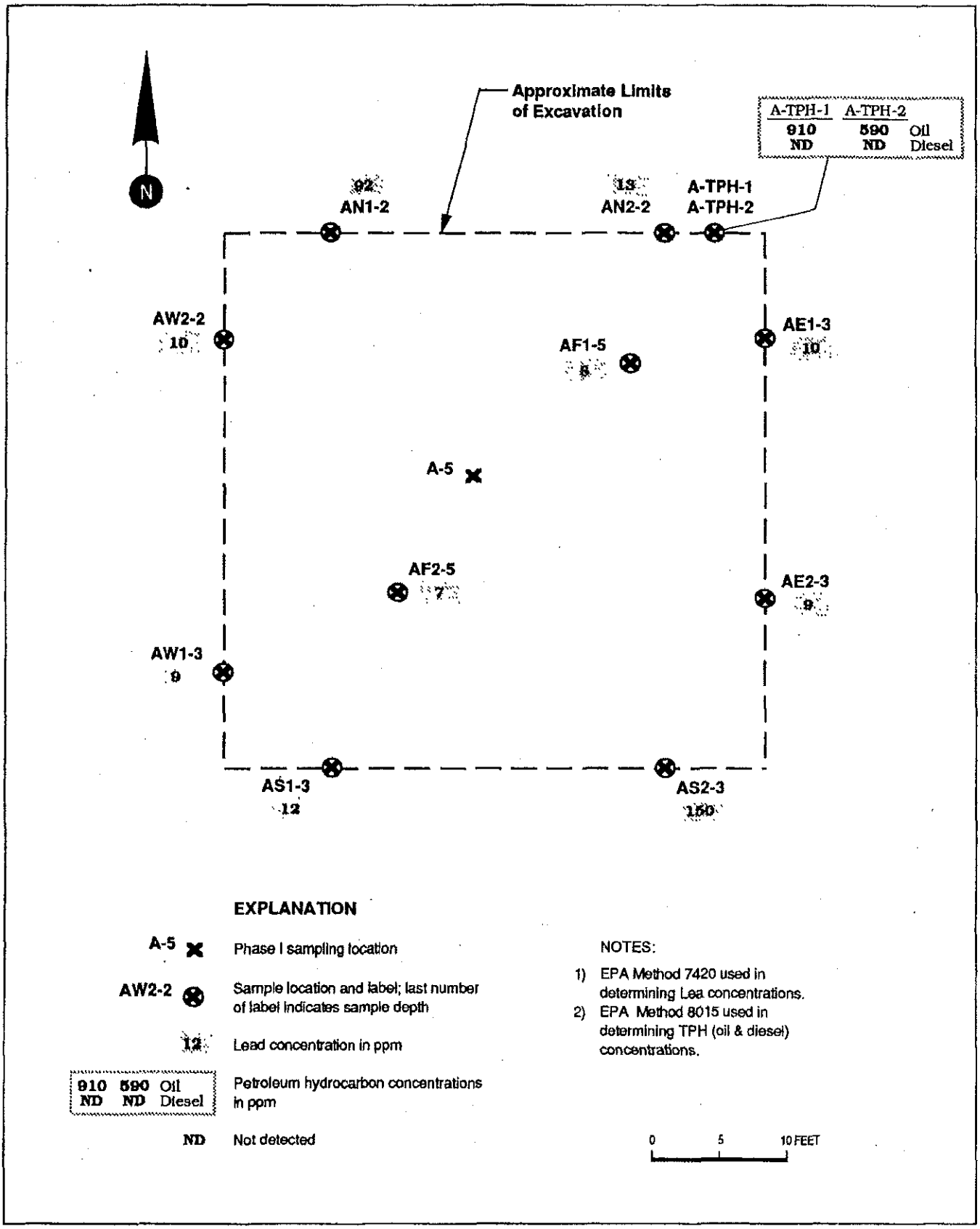


Figure 3 : EXCAVATION OF LEAD-AFFECTED SOIL NEAR PHASE I SAMPLING LOCATION A-5 IN AREA A, YERBA BUENA PROJECT SITE

TABLE 2
SOIL QUALITY DATA SUMMARY
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA
(Concentrations expressed as mg/kg unless otherwise indicated)

Sample Number	Date Sampled	LAB	(LEAD) EPA Method 7420	(ZINC) EPA Method 7950	(PCBs) EPA METHOD 8080	EPA METHOD 8015 Extractable Hydrocarbons as Diesel	EPA METHOD 8015 Extractable Hydrocarbons as Oil
AREA A							
AE1-3	25-Jun-91	Med-Tox	10	NA	NA	NA	NA
AE2-3	25-Jun-91	Med-Tox	9	NA	NA	NA	NA
AS1-3	25-Jun-91	Med-Tox	12	NA	NA	NA	NA
AF1-5	26-Jun-91	Med-Tox	8	NA	NA	NA	NA
AF2-5	26-Jun-91	Med-Tox	7	NA	NA	NA	NA
AW1-3	26-Jun-91	Med-Tox	9	NA	NA	NA	NA
AS2-3	26-Jun-91	Med-Tox	150	NA	NA	NA	NA
AN1-2	26-Jun-91	Med-Tox	92	NA	NA	NA	NA
AN2-2	26-Jun-91	Med-Tox	13	NA	NA	NA	NA
AW2-2	26-Jun-91	Med-Tox	10	NA	NA	NA	NA
A-TPH-1	26-Jun-91	Med-Tox	NA	NA	NA	ND	910
A-TPH-2	26-Jun-91	Med-Tox	NA	NA	NA	ND	590
AREA B							
BS1-2	26-Jun-91	Clayton	NA	NA	ND	NA	NA
BS2-2	26-Jun-91	Clayton	NA	NA	0.12	NA	NA
BS3-2	26-Jun-91	Clayton	NA	NA	0.06	NA	NA
BF1-2	26-Jun-91	Clayton	NA	NA	0.20	NA	NA
BF2-2	26-Jun-91	Clayton	NA	NA	ND	NA	NA
BF3-2	26-Jun-91	Clayton	NA	NA	ND	NA	NA
BN1-1	26-Jun-91	Clayton	NA	NA	0.08	NA	NA

TABLE 1
ANALYTICAL RESULTS FOR SAMPLES OF EXCAVATED SOIL
AREA A, YERBA BUENA/EAST BAYBRIDGE CENTER, OAKLAND AND EMERYVILLE, CALIFORNIA
(concentrations reported in milligrams per kilogram [mg/kg])

Sample ID	Date	Depth (feet bgs)	TPHd	Oil & Grease	TPHmo	Benzene	Toluene	Ethyl-benzene	Total Xylenes
SE-8	01-Oct-93	8	190	3,800	190	<0.005	<0.005	0.008	0.018
SN-8	01-Oct-93	8	230	3,600	700	<0.005	<0.005	0.006	0.016
SW-10	01-Oct-93	10	87	1,700	200	0.013	<0.005	0.013	0.055
BS-8	04-Oct-93	8	470	3,100	650	<0.005	<0.005	<0.005	0.017
SE-8-R	04-Oct-93	8	70	1,100	220	<0.005	<0.005	<0.005	<0.005
SN-8-R	04-Oct-93	8	100	2,200	210	<0.005	<0.005	<0.005	0.006
SNW-8	06-Oct-93	8	130	3,800	960	<0.005	<0.005	<0.005	<0.005

Data entered by MEK/21-Oct-93. Data proofed by JJB. QA/QC by JJB/27-Oct-93.

bgs - below ground surface
TPHd - Total petroleum hydrocarbons as diesel using EPA Method 3550
Oil and grease using Standard Method 5520 E, F
TPHmo - Total petroleum hydrocarbons as motor oil using EPA Method 3550
Benzene, toluene, ethylbenzene, and total xylenes using EPA Method 8020

One milligram per kilogram is equivalent to one part per million.

Analyses performed by Anametrix Laboratories, San Jose, California.

TABLE 2
ANALYTICAL RESULTS FOR FINAL SOIL SAMPLES COLLECTED FROM THE UST EXCAVATION
AREA A, YERBA BUENA/EAST BAYBRIDGE CENTER, OAKLAND AND EMERYVILLE, CALIFORNIA
(concentrations reported in milligrams per kilogram [mg/kg])

Sample ID	Date	Depth (feet bgs)	TPHd	Oil & Grease	TPHmo	Benzene	Toluene	Ethyl-benzene	Total Xylenes
BS-14	01-Oct-93	14	110	410	170	<0.005	<0.005	<0.005	0.007
TP1-18	01-Oct-93	18	11	230	57	<0.005	<0.005	<0.005	<0.005
SW-9	04-Oct-93	9	<10	90	<10	<0.005	<0.005	<0.005	<0.005
SN-14	05-Oct-93	14	29	430	58	<0.005	<0.005	<0.005	<0.005
SE-14	05-Oct-93	14	24	400	58	<0.005	<0.005	<0.005	<0.005
SW-14	05-Oct-93	14	22	330	61	<0.005	<0.005	<0.005	<0.005
SSW-8	06-Oct-93	8	<10	53	<10	<0.005	<0.005	<0.005	<0.005
SSE-8	06-Oct-93	8	<10	43	<10	<0.005	<0.005	<0.005	<0.005
SNE-8	06-Oct-93	8	<10	43	<10	<0.005	<0.005	<0.005	<0.005
SE-8-RR	06-Oct-93	8	<10	150	<10	<0.005	<0.005	<0.005	<0.005
SN-8-RR	06-Oct-93	8	<10	53	26	<0.005	<0.005	<0.005	<0.005
SS-14	06-Oct-93	14	<10	53	<10	<0.005	<0.005	<0.005	<0.005
SNW-8-R	07-Oct-93	8	<10	67	<10	<0.005	<0.005	<0.005	<0.005

Data entered by MEK/21-Oct-93. Data proofed by MEK/21-Oct-93. QA/QC by JJB.

TPHd - Total petroleum hydrocarbons as diesel using EPA Method 3550
Oil and grease using Standard Method 5520 E, F
TPHmo - Total petroleum hydrocarbons as motor oil using EPA Method 3550
Benzene, toluene, ethylbenzene, and total xylenes using EPA Method 8020

One milligram per kilogram is equivalent to one part per million.

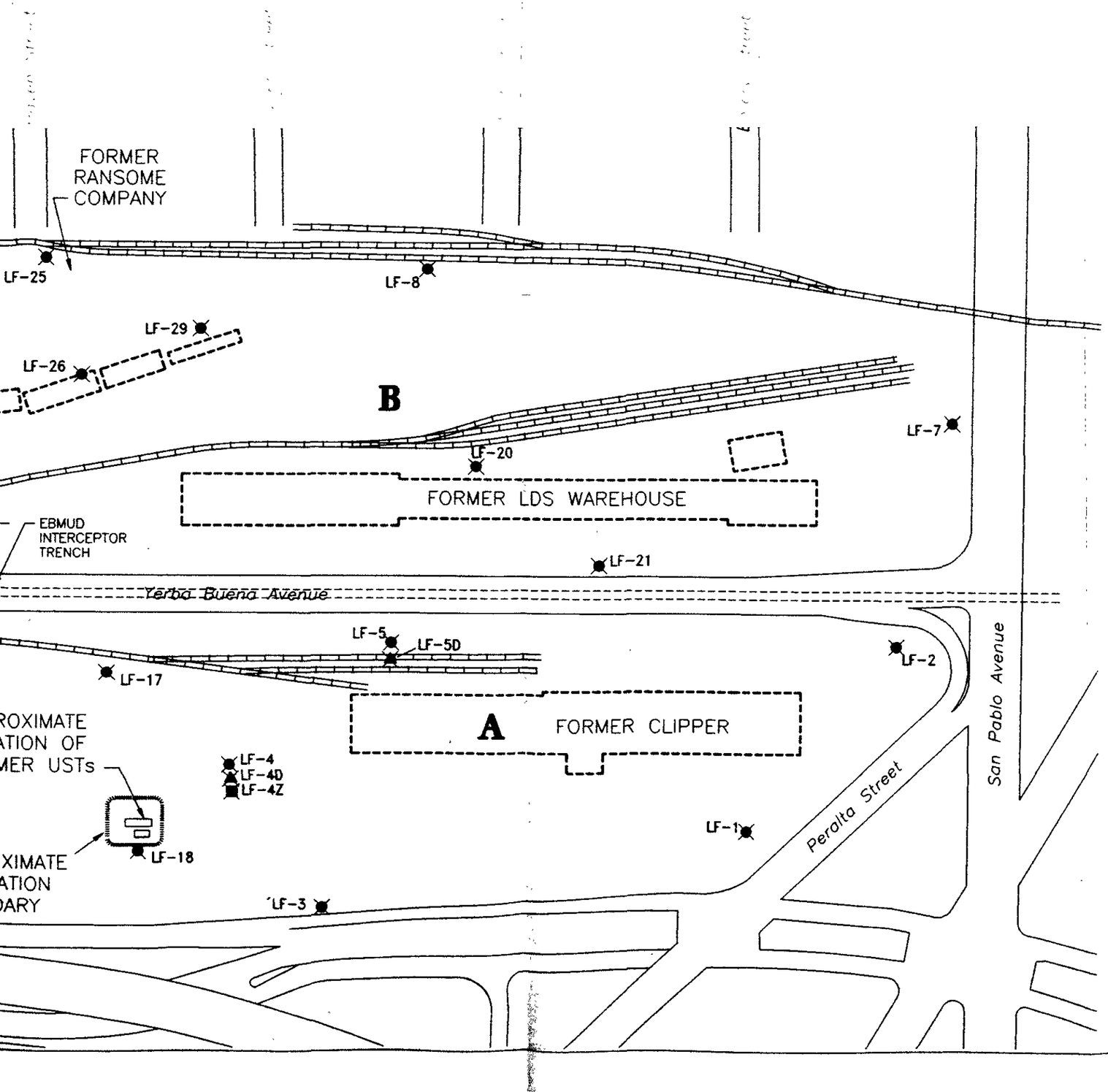
Analyses performed by Anametrix Laboratories, San Jose, California.

Halleck Street
Hubbard Street
Horton Street
Holden Street
Haven Street
Hollis Street
Beach Street
Yerba Buena

FORMER RANSOME COMPANY
FORMER BASHLAND
FORMER BAY AREA WAREHOUSE
FORMER M & N WAREHOUSE
FORMER UNDERGROUND STORAGE TANK
EBMUD INTERCEPTOR TRENCH
YERBA BUENA RIGHT-OF-WAY
OAKLAND TERMINAL RAILWAYS
MARKSTEIN BEVERAGE COMPANY
APPROXIMATE LOCATION OF FORMER USTs

LF-9
LF-10
LF-11
LF-11R
LF-12
LF-13
LF-16
LF-17
LF-19
LF-22
LF-23
LF-24
LF-25
LF-26
LF-27
LF-28
LF-29
LF-30
LF-31
LF-32
LF-6
LF-18

C
D



- FORMER DEEPER (62 FEET) MONITORING WELL LOCATION
- ABANDONED WELL
- LOCATION OF FORMER BUSINESSES

0 150 300 FEET

Figure 2 :
SITE PLAN SHOWING
APPROXIMATE LOCATION OF FORMER USTs
YERBA BUENA/EAST BAY BRIDGE
PROJECT SITE

Project No. 1649 LEVINE•FRICKE
ENGINEERS, HYDROGEOLOGISTS, & APPLIED SCIENTISTS

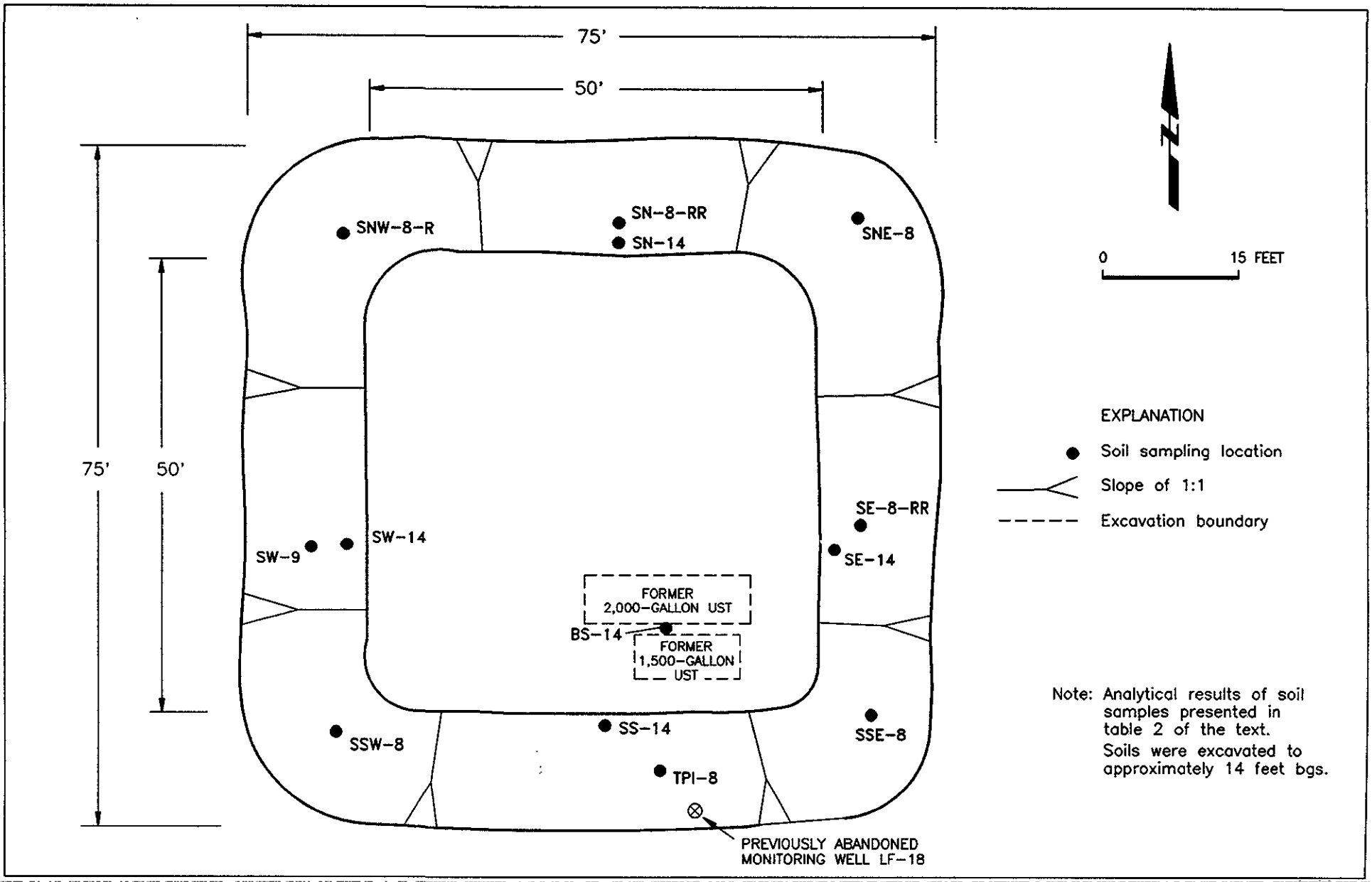


Figure 3 : FINAL EXCAVATION BOUNDARY AND FINAL CONFIRMATION SOIL SAMPLE LOCATIONS

Project No. 1649

LEVINE•FRICKE
ENGINEERS, HYDROGEOLOGISTS, & APPLIED SCIENTISTS

1649S024.JJB:EM 102793

TABLE 1
ANALYTICAL RESULTS FOR DOCUMENTATION SOIL SAMPLES COLLECTED FROM CONTAINED SOILS
EAST BAYBRIDGE CENTER SITE
EMERYVILLE AND OAKLAND, CALIFORNIA
(concentrations reported in milligrams per kilogram [mg/kg])

Sample ID	Sample Date	TPHd	TPHmo	TOG
D1-0.5-1	28-Dec-93	<100	1200	2100
D1-1-1.5	28-Dec-93	<10	72	1200
D2-0.5-1	28-Dec-93	<50	690	1200
D2-1-1.5	28-Dec-93	<10	140	1200
D3-0.75	05-Jan-94	15	110	2000
D3-1.5	05-Jan-94	13	150	1000
D4-1.0	05-Jan-94	<100	460	3800
D4-1.75	05-Jan-94	<10	73	890
D5-0.5-1	28-Dec-93	<10	85	340
D5-1-1.5	28-Dec-93	<20	230	1100
D6-0.5-1	28-Dec-93	17	210	850
D6-1-1.5	28-Dec-93	15	240	840
D7-0.75	05-Jan-94	<10	68	2100
D7-1.5	05-Jan-94	48	87	1200
D8-1.5	05-Jan-94	<100	330	3100
D8-2.5	05-Jan-94	<10	96	1300
D9-1.0	10-Nov-93	<500	1400	950
D9-2.0	10-Nov-93	<50	170	830
D10-1.0	10-Nov-93	<500	720	2200
D10-2.0	10-Nov-93	<50	290	1500
D11-1.0	10-Nov-93	<500	2000	8500
D11-1.5	10-Nov-93	<500	1100	1700
D12-1.0	10-Nov-93	<500	580	1500
D12-2.5	10-Nov-93	<500	1400	4300
D13-1.0	10-Nov-93	<500	730	2700
D13-2.0	10-Nov-93	<500	530	1400
D14-1.0	10-Nov-93	<500	900	18000
D14-1.5	10-Nov-93	<500	1300	4000
D15-0.5	17-Nov-93	<100	250	950
D15-1.5	17-Nov-93	<100	330	2000
D16-1.0	17-Nov-93	<500	710	1700
D16-2.0	17-Nov-93	<500	1800	15000
D17-1.0	17-Nov-93	<500	830	1900
D17-2.0	17-Nov-93	<500	650	820
D18-1.0	17-Nov-93	<10	36	280
D18-2.0	17-Nov-93	260	4400	8500
D19-1.0	17-Nov-93	<500	880	2200
D19-2.0	17-Nov-93	<500	660	1500
D20-1.0	17-Nov-93	<100	240	1000
D20-2.0	17-Nov-93	<500	2500	2600

Data entered by MEK/18 Apr 94 Data proofed by MJS QA/QC by MJS/MEK

TPHd - total petroleum hydrocarbons as diesel analyzed by GCFID
TPHmo - total petroleum hydrocarbons as motor oil analyzed by GCFID
TOG - total oil and grease analyzed by EPA Method 5520EF

Samples analyzed by Anametrix, Inc., of San Jose, California.

"D14-1.5" refers to documentation samples series, sample grid location #14, sample depth 1.5 feet below the petroleum-affected soil surface (depth measured to top of sample).

TABLE 7A

METAL COMPOUNDS DETECTED IN GROUND-WATER SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA
(concentrations in ppm)

SAMPLE LOCATION	SAMPLE ID	DATE SAMPLED	Sb	As	Be	Cd	Cr	Cu	Pb	Hg	Ni	Se	Ag	Tl	Zn
A6	A6C	24-Jan-90	ND	0.003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.026
A24	A24C	23-Jan-90	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	ND	ND	0.026
B27	B27W	22-Feb-90	ND	ND	ND	ND	ND	0.006	ND	ND	0.05	*ND	ND	ND	0.04
B29	B29W	22-Feb-90	ND	ND	ND	ND	ND	ND	ND	ND	0.03	ND	ND	ND	0.008
B30	B30W	22-Feb-90	ND	0.001	ND	ND	ND	0.019	0.05	ND	0.05	ND	ND	ND	0.069
B31	B31W	22-Feb-90	ND	ND	ND	ND	ND	ND	ND	ND	0.04	ND	ND	ND	0.01
C10	C10W	08-Feb-90	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA
C15	C15W	31-Jan-90	ND	0.002	ND	ND	ND	ND	ND	ND	0.02	ND	ND	ND	0.009
C18	C18W	07-Feb-90	ND	0.001	ND	ND	ND	ND	ND	ND	0.02	ND	ND	ND	0.017
C20	C20W	07-Feb-90	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA
LF1	LF1-7503	05-Feb-90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.015
LF2	LF2-7503	06-Feb-90	ND	0.002	ND	ND	ND	0.007	ND	ND	ND	ND	ND	ND	0.026
LF3	LF3-7503	06-Feb-90	ND	ND	ND	0.004	ND	0.006	ND	ND	ND	ND	ND	ND	0.024
LF4	LF4-7501	07-Feb-90	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND	ND	ND	0.051

TABLE 7A

METAL COMPOUNDS DETECTED IN GROUND-WATER SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA
(concentrations in ppm)

SAMPLE LOCATION	SAMPLE ID	DATE SAMPLED	Sb	As	Be	Cd	Cr	Cu	Pb	Hg	Ni	Se	Ag	Tl	Zn
LF5	LF5-7503	06-Feb-90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.018
LF6	LF6-7501	07-Feb-90	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.016
LF7	LF7-7501	08-Feb-90	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.019
LF8	LF8-7501	07-Feb-90	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.018
LF9	LF9-7501	08-Feb-90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.016
LF10	LF10-7501	08-Feb-90	ND	ND	ND	ND	ND	ND	ND	ND	0.05	ND	ND	ND	0.021
LF11	LF11-7501	09-Feb-90	ND	ND	ND	ND	ND	ND	ND	ND	0.05	ND	ND	ND	0.007
LF12	LF12W	23-Feb-90	ND	0.003	ND	ND	ND	0.011	ND	ND	0.02	ND	ND	ND	0.005
LF16	LF16W	23-Feb-90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Detection Limit			0.5	0.001	0.003	0.003	0.02	0.005	0.01	0.0003	0.01	0.003	0.01	0.02	0.003
Method Reference			7040	7060	7090	7130	7190	7210	7420	7471	7520	7740	7760	7840	7950
MCL			NA	0.05	NA	0.01	0.05 (4)	1.30	0.05	0.002	NA	0.01	0.05	NA	5.0 (6)
Ocean Plan (1)			---	0.008	---	0.003	0.002 (4)	0.005	0.008	0.14 (5)	0.020	---	---	---	0.020
Basin Plan (2)			---	0.036	---	0.0093	0.050 (4)	---	0.0056	0.025 (5)	---	---	0.45 (5)	---	---
EPA Criteria (3)			---	0.036	---	0.0093	0.002 (4)	---	0.0056	0.025 (5)	0.0083	0.071	---	---	0.086

TABLE 7A

METAL COMPOUNDS DETECTED IN GROUND-WATER SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA
(concentrations in ppm)

SAMPLE LOCATION	SAMPLE ID	DATE SAMPLED	Sb	As	Be	Cd	Cr	Cu	Pb	Hg	Ni	Se	Ag	Tl	Zn

NOTES:

* Detection Limit 0.03 ppm

NA - not analyzed
ND - not detected

MCL = California DHS Maximum Contaminant Level for Drinking Water (California Department of Health Services)

(1) = California Ocean Plan Limiting Concentrations - 6 month median concentration
(2) = RWQCB Water Quality Control Plan, Water Quality Objectives San Francisco Bay Basin - 4 day average concentration
(3) = EPA Natural Water Quality Criteria to Protect Salt Water Aquatic Life - 4 day average concentration
(4) = Cr VI
(5) = Unit in part per billion
(6) = Secondary Standard (taste and odor)

Key to Abbreviations:

Sb = Antimony
As = Arsenic
Be = Beryllium
Cd = Cadmium
Cr = Chromium
Cu = Copper
Pb - Lead
Hg = Mercury
Ni = Nickel
Se = Selenium
Ag = Silver
Tl = Thallium
Zn = Zinc

TABLE 7B

VOLATILE ORGANIC COMPOUNDS DETECTED IN GROUND-WATER SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA
(concentrations in ppm)

SAMPLE LOCATION	SAMPLE ID	NOTES	DATE SAMPLED	B	T	E	X	1,1-DCE	1,1-DCA	1,2-DCE	TCE	1,1,1-TCA	PCE	1,1,2-TCA	VNCL
LF1	LF1-7503		05-Feb-90	*ND	*ND	*ND	**ND	ND	ND	ND	ND	ND	ND	ND	ND
LF2	LF2-7503		06-Feb-90	*ND	*ND	*ND	**ND	ND	ND	ND	ND	ND	ND	ND	ND
LF3	LF3-7503		06-Feb-90	*ND	*ND	*ND	**ND	ND	ND	ND	ND	ND	ND	ND	ND
LF4	LF4-7501		07-Feb-90	*ND	*ND	*ND	**ND	0.49	0.008	ND	ND	0.082	ND	ND	ND
LF5	LF5-7503		06-Feb-90	*ND	*ND	*ND	**ND	0.73	0.014	ND	ND	0.27	ND	ND	ND
LF6	LF6-7501		07-Feb-90	*ND	*ND	*ND	**ND	ND	0.018	ND	ND	ND	ND	ND	ND
LF6	LF6D-7501		07-Feb-90	*ND	*ND	*ND	**ND	ND	0.018	ND	ND	ND	ND	ND	ND
LF7	LF7-7501		08-Feb-90	*ND	*ND	*ND	**ND	ND	ND	ND	ND	ND	ND	ND	ND
LF8	LF8-7501		07-Feb-90	*ND	*ND	*ND	**ND	0.006	0.015	ND	ND	0.01	ND	ND	ND
LF9	LF9-7501		08-Feb-90	*ND	*ND	*ND	**ND	ND	ND	ND	0.034	ND	ND	ND	ND
LF9	LF9G		30-Jan-90	*ND	*ND	*ND	**ND	ND	ND	ND	ND	ND	ND	ND	ND
LF10	LF10-7501		08-Feb-90	*ND	*ND	*ND	**ND	0.031	ND	3.2	7.6	ND	0.041	0.007	1.0
LF11	LF11-7501		09-Feb-90	*ND	*ND	*ND	**ND	ND	ND	0.051	0.31	ND	ND	ND	ND
LF12	LF12W		23-Feb-90	*ND	*ND	*ND	**ND	ND	ND	0.067	0.008	ND	ND	ND	ND
LF16	LF16W		23-Feb-90	*ND	*ND	*ND	**ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blanks															
LF1-7503			05-Feb-90	*ND	*ND	*ND	**ND	ND	ND	ND	ND	ND	ND	ND	ND
Detection Limit				0.0005	0.0005	0.0005	0.002	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01
MCL (1)				0.001	2.0	0.68	1.75	0.006	---	---	0.005	0.2	0.002	0.032	0.0005
State Action Level (2) (3)				---	0.1	---	---	---	0.005	0.006	---	---	0.005	---	---

NOTES TO TABLE 7B:

All samples analyzed by Med-Tox Associates of Pleasant Hill, California, using EPA Method 8240 unless noted otherwise.

* Detection Limit .005 ppm
** Detection Limit .01 ppm
*** Detection Limit .0002 ppm

TABLE 7C

PETROLEUM HYDROCARBONS DETECTED IN GROUND-WATER SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA
(concentrations in ppm)

SAMPLE LOCATION	SAMPLE ID	DATE SAMPLED	GASOLINE	DIESEL	WASTE OIL	STODDARD SOLVENT
A15	A15C	25-Jan-90	NA	ND	ND	NA
A24	A24C	23-Jan-90	ND	ND	ND	NA
B3	B3C	26-Jan-90	NA	ND	ND	NA
B4	B4C	26-Jan-90	0.2	ND	ND	NA
B14	B14AW	02-Feb-90	+ND	12	**ND	NA
B15	B15W	02-Feb-90	NA	NA	NA	NA
B17	B17W	02-Feb-90	20	***ND	2	NA
B27	B27W	22-Feb-90	ND	ND	0.6	NA
B29	B29W	02-Mar-90	ND	ND	ND	NA
B30	B30W	02-Mar-90	0.1	1.4	ND	NA
B31	B31W	02-Mar-90	ND	ND	ND	NA
C7	C7W	31-Jan-90	ND	ND	0.5	NA
C10	C10W	08-Feb-90	ND	NA	NA	NA
C16	C16W	31-Jan-90	ND	ND	0.7	NA
C18	C18W	07-Feb-90	ND	++ND	NA	NA
C20	C20W	07-Feb-90	0.2	NA	NA	NA
C28	C28W	12-Feb-90	ND	ND	ND	NA
C29	C29W	15-Feb-90	ND	ND	ND	NA
LF1	LF1-7503	05-Feb-90	ND	ND	ND	NA
LF2	LF2-7503	06-Feb-90	ND	ND	ND	NA
LF3	LF3-7503	06-Feb-90	ND	ND	ND	NA
LF4	LF4-7501	07-Feb-90	ND	ND	ND	NA

TABLE 7B

VOLATILE ORGANIC COMPOUNDS DETECTED IN GROUND-WATER SAMPLES
PHASE I INVESTIGATION
YERBA BUENA SITE, EMERYVILLE, CALIFORNIA
(concentrations in ppm)

SAMPLE LOCATION	SAMPLE ID	NOTES	DATE SAMPLED	B	T	E	X	1,1-DCE	1,1-DCA	1,2-DCE	TCE	1,1,1-TCA	PCE	1,1,2 TCA	VNCL

NA = not analyzed
ND = not detected

(1) MCL = Maximum Contaminant Level for drinking water (California Department of Health Services)
(2) California Department of Health Services Action Level for drinking water
(3) State or federal surface water quality criteria for chronic or short-term exposure not available for VOCs

Key to Abbreviations:

T = TOLUENE
B = BENZENE
E = ETHYLBENZENE
X = Total XYLENES
1,1-DCE = 1,1-DICHLOROETHENE
1,1-DCA = 1,1-DICHLOROETHANE
1,2-DCE = 1,2-DICHLOROETHENE
TCE = TRICHLOROETHENE
1,1,1-TCA = 1,1,1-TRICHLOROETHANE
PCE = TETRACHLOROETHENE
1,1,2-TCA = 1,1,2-TRICHLOROETHANE
VNCL = VINYL CHLORIDE

LEVINE-FRICKE

CLIENT ID: A24C
CLIENT JOB NO: 1649
DATE SAMPLED: 01/23/90
DATE RECEIVED: 01/24/90
REPORT DATE: 02/08/90

MED-TOX LAB NO: 9001131-01H
MED-TOX JOB NO: 9001131
DATE EXTRACTED: 01/29/90
DATE ANALYZED: 02/01/90
INSTRUMENT: 11

EPA METHOD 8270
BASE/NEUTRAL EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Acenaphthene	83-32-9	ND	10
Acenaphthylene	208-96-8	ND	10
Anthracene	120-12-7	ND	10
Benzidine	92-87-5	ND	50
Benzoic Acid	65-85-0	ND	50
Benzo(a)anthracene	56-55-3	ND	10
Benzo(b)fluoranthene	205-99-2	ND	10
Benzo(k)fluoranthene	207-08-9	ND	10
Benzo(g,h,i)perylene	191-24-2	ND	10
Benzo(a)pyrene	50-32-8	ND	10
Benzyl Alcohol	100-51-6	ND	20
Bis(2-chloroethoxy) methane	111-91-1	ND	10
Bis(2-chloroethyl)ether	111-44-4	ND	10
Bis(2-chloroisopropyl) ether	39638-32-9	ND	10
Bis(2-ethylhexyl) phthalate	117-81-7	ND	10
4-Bromophenyl phenyl ether	101-55-3	ND	10
Butylbenzyl phthalate	85-68-7	ND	10
4-Chloroaniline	106-47-8	ND	20
2-Chloronaphthalene	91-58-7	ND	10
4-Chlorophenyl phenyl ether	7005-72-3	ND	10
Chrysene	218-01-9	ND	10
Dibenzo(a,h)anthracene	53-70-3	ND	10
Dibenzofuran	132-64-9	ND	10
Di-n-butylphthalate	84-74-2	ND	10
1,2-Dichlorobenzene	95-50-1	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: A24C
CLIENT JOB NO: 1649
DATE SAMPLED: 01/23/90
DATE RECEIVED: 01/24/90
REPORT DATE: 02/08/90

MED-TOX LAB NO: 9001131-01H
MED-TOX JOB NO: 9001131
DATE EXTRACTED: 01/29/90
DATE ANALYZED: 02/01/90
INSTRUMENT: 11

EPA METHOD 8270
BASE/NEUTRAL EXTRACTABLES (cont.)

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
1,3-Dichlorobenzene	541-73-1	ND	10
1,4-Dichlorobenzene	106-46-7	ND	10
3,3'-Dichlorobenzidine	91-94-1	ND	20
Diethylphthalate	84-66-2	ND	10
Dimethylphthalate	131-11-3	ND	10
2,4-Dinitrotoluene	121-14-2	ND	10
2,6-Dinitrotoluene	606-20-2	ND	10
Di-n-octylphthalate	117-84-0	ND	10
1,2-Diphenylhydrazine	122-66-7	ND	10
Fluoranthene	206-44-0	ND	10
Fluorene	86-73-7	ND	10
Hexachlorobenzene	118-74-1	ND	10
Hexachlorobutadiene	87-68-3	ND	10
Hexachlorocyclopentadiene	77-47-4	ND	10
Hexachloroethane	67-72-1	ND	10
Indeno(1,2,3-cd)pyrene	193-39-5	ND	10
Isophorone	78-59-1	ND	10
2-Methylnaphthalene	91-57-6	ND	10
Naphthalene	91-20-3	ND	10
2-Nitroaniline	88-74-4	ND	50
3-Nitroaniline	99-09-2	ND	50
4-Nitroaniline	100-01-6	ND	50
Nitrobenzene	98-95-3	ND	10
N-nitrosodimethylamine	62-75-9	ND	10
N-nitrosodiphenylamine	86-30-6	ND	10
N-nitroso-di-n-propylamine	621-64-7	ND	10
Phenanthrene	85-01-8	ND	10
Pyrene	129-00-0	ND	10
1,2,4-Trichlorobenzene	120-82-1	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: A24C
CLIENT JOB NO: 1649
DATE SAMPLED: 01/23/90
DATE RECEIVED: 01/24/90
REPORT DATE: 02/08/90

MED-TOX LAB NO: 9001131-01H
MED-TOX JOB NO: 9001131
DATE EXTRACTED: 01/29/90
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INSTRUMENT: 11

EPA METHOD 8270

ACID EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
4-Chloro-3-methylphenol	59-50-7	ND	10
2-Chlorophenol	95-57-8	ND	10
2,4-Dichlorophenol	120-83-2	ND	10
2,4-Dimethylphenol	105-67-9	ND	10
4,6-Dinitro-2-methylphenol	534-52-1	ND	50
2,4-Dinitrophenol	51-28-5	ND	50
2-Methylphenol	95-48-7	ND	10
4-Methylphenol	106-44-5	ND	10
2-Nitrophenol	88-75-5	ND	10
4-Nitrophenol	100-02-7	ND	50
Pentachlorophenol	87-86-5	ND	50
Phenol	108-95-2	ND	10
2,4,5-Trichlorophenol	95-95-4	ND	10
2,4,6-Trichlorophenol	88-06-2	ND	10

ND = Not Detected

TABLE 2
GROUND-WATER QUALITY DATA SUMMARY
CHEMICAL COMPOUNDS DETECTED IN SHALLOW GROUND WATER
AREA A AND AREA C AND VICINITY
EMERYVILLE, CALIFORNIA
YERBA BUENA PROJECT SITE
(concentrations in milligrams per liter [mg/l])

Sample Location	Date Sampled	1,1-DCE	1,1-DCA	1,2-DCE	TCE	1,1,1-TCA	PCE	Oil	Diesel
LF-3	06-Feb-90	ND	ND	ND	ND	ND	ND	NA	NA
	07-Jan-92	ND	ND	ND	ND	ND	ND	ND	ND
	23-Jul-92	ND	ND	ND	ND	ND	ND	NA	NA
	10-Feb-93	ND	ND	ND	ND	ND	ND	ND	ND
LF-4	07-Feb-90	0.49	0.008	ND	ND	0.082	ND	NA	NA
	06-Jan-92	0.43	0.006	ND *	ND *	0.078	ND *	ND	ND
	duplicate	0.41	0.004	ND *	ND *	0.075	ND *	ND	ND
	15-Apr-92	0.25	ND	ND	ND	0.025	ND	NA	NA
	24-Jul-92	0.22	ND	ND	ND	0.024	ND	0.042	ND
	21-Oct-92	0.19	ND	ND	ND	0.02	ND	NA	NA
	09-Feb-93	0.19	0.0041	ND +	ND +	0.022	ND +	ND	ND
LF-4D	25-Apr-90	0.43	0.007	ND	ND	0.087	ND	NA	NA
	06-Jan-92	0.39	0.006	ND **	ND **	0.074	ND **	NA	NA
	16-Apr-92	0.16	ND	ND	ND	0.020	ND	NA	NA
	23-Jul-92	0.15	ND	ND	ND	0.018	ND	NA	NA
	21-Oct-92	0.15	ND	ND	ND	0.013	ND	NA	NA
	10-Feb-93	0.14	0.0035	ND +	ND +	0.017	ND +	NA	NA
LF-4Z	21-Nov-90	ND	ND	ND	ND	ND	ND	NA	NA
	06-Jan-92	ND	ND	ND	ND	ND	ND	NA	NA
	16-Apr-92	ND	ND	ND	ND	ND	ND	NA	NA
	23-Jul-92	ND	ND	ND	ND	ND	ND	NA	NA
	21-Oct-92	ND	ND	ND	ND	ND	ND	NA	NA
	10-Feb-93	ND	ND	ND	ND	ND	ND	NA	NA
LF-5	06-Feb-90	0.73	0.014	ND	ND	0.27	ND	ND	ND
	06-Jan-92	0.88	0.011	ND ***	ND ***	0.010	ND ***	ND	ND
	16-Apr-92	0.44	ND	ND	ND	0.10	ND	NA	NA
	23-Jul-92	0.47	ND	ND	ND	0.08	ND	0.0058	ND
	21-Oct-92	0.39	ND	ND	ND	0.042	ND	NA	NA
	10-Feb-93	0.38	ND ++	ND ++	ND ++	0.06	ND ++	ND	ND
LF-5D	26-Apr-90	ND	ND	ND	ND	ND	ND	NA	NA
	29-Nov-90	ND	ND	ND	ND	ND	ND	NA	NA
	06-Jan-92	ND	ND	ND	ND	ND	ND	NA	NA
	16-Apr-92	ND	ND	ND	ND	ND	ND	NA	NA
	23-Jul-92	ND	ND	ND	ND	ND	ND	NA	NA
	21-Oct-92	ND	ND	ND	ND	ND	ND	NA	NA
	10-Feb-93	ND	ND	ND	ND	ND	ND	NA	NA
LF-6	07-Feb-90	ND	0.018	ND	ND	ND	ND	ND	ND
	duplicate	ND	0.018	ND	ND	ND	ND	ND	NA
	29-Nov-90	ND	ND	ND	ND	ND	ND	NA	NA
	07-Jan-92	0.0048	0.011	0.0005	0.0026	0.0044	0.018	NA	NA
	15-Apr-92	0.004	0.0032	0.0025	0.0026	0.001	0.0065	NA	NA
	23-Jul-92 (5)	0.0082	0.0033	0.0094	0.0071	0.0014	0.0094	NA	NA
	20-Oct-92 (5)	0.0051	0.0026	0.016	0.0046	0.0015	0.0025	NA	NA
	09-Feb-93	0.010	0.0025	0.0029	0.0031	0.002	0.0079	NA	NA
LF-10	10-Feb-93	ND +++	ND +++	0.368	1.600	ND +++	ND +++	NA	NA
LF-11	10-Feb-93	ND +	ND +	0.0359	0.140	ND +	ND +	NA	NA
LF-12	10-Feb-93	ND	ND	0.0358	0.002	ND	ND	NA	NA
LF-17	25-Apr-90	0.009	0.001	ND	ND	0.003	ND	NA	NA
	duplicate	ND	ND	ND	ND	ND	ND	NA	NA
	07-Jan-92	0.490	0.012	ND **	ND **	0.092	ND **	NA	NA
	16-Apr-92	0.350	ND	ND	ND	0.047	ND	NA	NA
	duplicate	0.360	ND	ND	ND	0.049	ND	NA	NA
	24-Jul-92	0.320	ND	ND	ND	0.035	ND	NA	NA

TABLE 2
GROUND-WATER QUALITY DATA SUMMARY
CHEMICAL COMPOUNDS DETECTED IN SHALLOW GROUND WATER
AREA A AND AREA C AND VICINITY
EMERYVILLE, CALIFORNIA
YERBA BUENA PROJECT SITE
(concentrations in milligrams per liter [mg/l])

Sample Location	Date Sampled		1,1-DCE	1,1-DCA	1,2-DCE	TCE	1,1,1-TCA	PCE	Oil	Diesel
	duplicate		0.460	ND	ND	ND	0.053	ND	NA	NA
	21-Oct-92		0.380	ND	ND	ND	0.04	ND	NA	NA
	duplicate		0.320	ND	ND	ND	0.033	ND	NA	NA
	09-Feb-93		0.260	0.0059	ND ***	ND ***	0.035	ND ***	NA	NA
	duplicate		0.240	ND ***	ND ***	ND ***	0.031	ND ***	NA	NA
LF-18	25-Apr-90		0.003	ND	ND	ND	ND	ND	NA	NA
	07-Jan-92		0.0013	ND	ND	ND	ND	ND	NA	NA
	16-Apr-92		0.0017	ND	ND	ND	ND	ND	NA	NA
	23-Jul-92		ND	ND	ND	ND	ND	ND	NA	NA
	21-Oct-92		ND	ND	ND	ND	ND	ND	NA	NA
	09-Feb-93		ND	ND	ND	ND	ND	ND	NA	NA
LF-19	25-Apr-90		0.15	0.006	ND	ND	0.034	ND	NA	NA
	06-Jan-92		0.100	0.0087	ND	ND	0.018	ND	ND	0.120
	15-Apr-92		0.064	0.0028	ND	ND	0.008	ND	NA	NA
	24-Jul-92		0.032	0.0032	ND	ND	0.0039	ND	0.200	ND
	20-Oct-92	(4)	0.0052	0.003	ND	ND	0.0011	ND	NA	NA
	09-Feb-93		0.018	0.0016	ND	ND	0.0022	ND	0.380	0.094
LF-19D	12-Jul-91		ND	ND	ND	ND	ND	ND	NA	NA
	06-Jan-92		ND	ND	ND	ND	ND	ND	ND	ND
	15-Apr-92		ND	ND	ND	ND	ND	ND	NA	NA
	23-Jul-92		ND	0.0007	ND	ND	ND	ND	NA	NA
	20-Oct-92		ND	ND	ND	ND	ND	ND	NA	NA
	09-Feb-93		0.00057	0.00097	ND	ND	ND	ND	NA	NA
LF-20	26-Apr-90		ND	ND	ND	ND	ND	ND	NA	NA
	duplicate		ND	ND	ND	ND	ND	ND	NA	NA
	07-Jan-92		ND	ND	ND	ND	ND	ND	NA	NA
	16-Apr-92		ND	ND	ND	ND	ND	ND	NA	NA
	24-Jul-92		ND	ND	ND	ND	ND	ND	NA	NA
	21-Oct-92		ND	ND	ND	ND	ND	ND	NA	NA
	11-Feb-93		ND	ND	ND	ND	ND	ND	NA	NA
LF-21	29-Nov-90		ND	ND	ND	ND	ND	ND	NA	NA
	07-Jan-92		ND	ND	ND	ND	ND	ND	NA	NA
	16-Apr-92		ND	ND	ND	ND	ND	ND	NA	NA
	24-Jul-92		ND	ND	ND	ND	ND	ND		
	21-Oct-92		ND	ND	ND	ND	ND	ND	NA	NA
	11-Feb-93		ND	ND	ND	ND	ND	ND	NA	NA
LF-22	12-Jul-91		0.053	0.0063	0.0016	0.0007	0.012	0.0017	NA	NA
	07-Jan-92		0.041	0.0054	0.0011	ND	0.009	0.0037	NA	NA
	16-Apr-92		0.015	0.0021	ND	ND	0.0026	0.0018	NA	NA
	23-Jul-92	(3)	0.027	0.0052	ND	ND	0.0034	0.0014	NA	NA
	20-Oct-92		0.014	0.004	ND	0.00078	0.0013	0.00066	NA	NA
	09-Feb-93		0.0081	0.0028	ND	0.00051	0.0013	0.0007	NA	NA
LF-23	12-Jul-91		0.0012	0.011	0.0009	0.0039	0.0009	0.027	NA	NA
	07-Jan-92		0.0034	0.012	0.0013	0.007	0.0023	0.056	NA	NA
	16-Apr-92		0.0044	0.0044	0.0011	0.0036	0.00068	0.020	NA	NA
	23-Jul-92		0.0061	0.0044	0.0014	0.0038	0.0013	0.029	NA	NA
	20-Oct-92		0.0047	0.002	0.0015	0.0033	0.00054	0.023	NA	NA
	09-Feb-93		0.0034	0.003	0.0018	0.0037	0.00083	0.020	NA	NA
LF-30	22-Oct-92		0.00079	0.0058	0.0015	0.00065	0.001	ND	NA	NA
	duplicate		0.00081	0.0053	0.0013	0.00051	0.00056	ND	NA	NA
	12-Feb-93		ND	0.0029	0.00093	0.00069	0.00076	ND	NA	NA
	duplicate		ND	0.0029	0.00089	0.00071	0.00069	ND	NA	NA
Field Blanks:										
LF1-7503	05-Feb-90		ND	ND	ND	ND	ND	ND	NA	NA

TABLE 2
GROUND-WATER QUALITY DATA SUMMARY
CHEMICAL COMPOUNDS DETECTED IN SHALLOW GROUND WATER
AREA A AND AREA C AND VICINITY
EMERYVILLE, CALIFORNIA
YERBA BUENA PROJECT SITE
(concentrations in milligrams per liter [mg/l])

Sample Location	Date Sampled		1,1-DCE	1,1-DCA	1,2-DCE	TCE	1,1,1-TCA	PCE	Oil	Diesel
LF-4FB	06-Jan-92		ND	ND	ND	ND	ND	ND	ND	ND
LF-17FB	16-Apr-92	(1)	ND	ND	ND	ND	ND	ND	NA	NA
LF-17FB	24-Jul-92		ND	ND	ND	ND	ND	ND	NA	NA
LF-17-BB	20-Oct-92	(6)	ND	ND	ND	ND	ND	ND	NA	NA
LF-17FB	09-Feb-93		ND	ND	ND	ND	ND	ND	NA	NA
LF-4Z-FB	10-Feb-93		ND	ND	ND	ND	ND	ND	NA	NA
Detection Limit:			0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.05	0.05

Data entered by MEK/22-Mar-93. Data proofed by MEK/22-Mar-93. QA/QC by _____

mg/l - milligrams per liter, equivalent to parts per million.
NA - not analyzed
ND - not detected

1,1-DCE - 1,1-Dichloroethene
1,1-DCA - 1,1-Dichloroethane
1,2-DCE - 1,2-Dichloroethene
TCE - Trichloroethene
1,1,1-TCA - 1,1,1-Trichloroethane
PCE - Tetrachloroethene

* Detection limit 0.003 ppm.
** Detection limit 0.002 ppm.
*** Detection limit 0.005 ppm.
+ Detection limit 0.0025 ppm.
++ Detection limit 0.010 ppm.
+++ Detection limit 0.025 ppm.

(1) 0.0011 ppm methylene chloride detected;
methylene chloride is a common laboratory contaminant.
(2) 0.0015 ppm vinyl chloride detected.
(3) 0.00081 ppm vinyl chloride detected.
(4) 0.0012 ppm vinyl chloride detected.
(5) 0.0023 ppm vinyl chloride detected.
(6) 0.0016 ppm methylene chloride (a common laboratory contaminant) detected within normal laboratory background concentrations.

Table 4
Summary of Groundwater Quality Data
East Baybridge Center
Emeryville and Oakland, California
(concentrations expressed in parts per million [ppm])

Well ID	Notes	Date Sampled	Lab	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TCE	1,1,1-TCA	PCE	1,1-DCE	1,1-DCA	1,2-DCA	cis/trans-1,2-DCE	Total VOCs
Shallow Wells (20 to 25 feet below grade)																	
MW-1		13-Sep-94	AEN	<0.005	0.30	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA	NA	NA
		30-Nov-94	AEN	NA	0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		17-Feb-95	AEN	<0.05	0.08	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA	NA
		09-May-95	AEN	<0.05	0.20	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA	NA
		31-Aug-95	AEN	<0.05	0.30	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA	NA
		27-Dec-95	AEN	<0.05	0.10	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA	NA
		27-Feb-96	AEN	<0.05	0.18	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA	NA
		01-May-96	AEN	<0.05	0.10	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA	NA
		04-Sep-96	AEN	<0.05	0.25	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA	NA
MW-2		01-Dec-94	AEN	7.10	NA	0.065	<0.01	0.13	0.47	NA	NA	NA	NA	NA	NA	NA	NA
		17-Feb-95	AEN	3.50	0.30	0.045	0.005	0.11	0.35	NA	NA	NA	NA	NA	NA	NA	NA
		09-May-95	AEN	3.50	0.20	0.025	0.009	0.085	0.25	NA	NA	NA	NA	NA	NA	NA	NA
		31-Aug-95	AEN	0.90	0.20	0.011	<0.0005	0.032	0.072	NA	NA	NA	NA	NA	NA	NA	NA
		20-Dec-95	AEN	2.60	<0.05	0.016	0.002	0.079	0.24	NA	NA	NA	NA	NA	NA	NA	NA
		27-Feb-96	AEN	4.10	0.20	0.076	0.0095	0.21	0.62	NA	NA	NA	NA	NA	NA	NA	NA
		01-May-96	AEN	2.40	0.23	0.039	0.0047	0.098	0.26	NA	NA	NA	NA	NA	NA	NA	NA
		04-Sep-96	AEN	0.54	0.22	0.0024	<0.0005	0.018	0.045	NA	NA	NA	NA	NA	NA	NA	NA
		17-Dec-96	A2AC	0.776	<0.010	0.004	0.009	0.011	0.019	NA	NA	NA	NA	NA	NA	NA	NA
		18-Feb-97	AEN	1.2	0.24	0.015	0.0009	0.057	0.140	NA	NA	NA	NA	NA	NA	NA	NA
		15-May-97	AEN	0.46	0.11	0.0033	<0.0005	0.035	0.059	NA	NA	NA	NA	NA	NA	NA	NA
	(44)	11-Dec-97	AEN	1.7	0.15	0.016	0.0010	0.061	0.106	NA	NA	NA	NA	NA	NA	NA	NA
		10-Mar-98	AEN	0.81	0.14	0.011	0.0006	0.045	0.086	NA	NA	NA	NA	NA	NA	NA	NA
		15-Sep-98	ENT	0.95	<0.05	0.0061	<0.0005	0.054	0.051	NA	NA	NA	NA	NA	NA	NA	NA
		02-Mar-99	CT	1.10	0.36	<0.0005	0.0016	0.042	0.052	NA	NA	NA	NA	NA	NA	NA	NA
		22-Sep-99	CT	0.29	0.082	<0.0005	<0.0005	0.019	0.015	NA	NA	NA	NA	NA	NA	NA	NA
		10-May-00	CT	0.92	0.085	<0.0005	0.0011	0.043	0.035	NA	NA	NA	NA	NA	NA	NA	NA
		12-Sep-00	CT	0.50	0.099	<0.0005	<0.0005	0.040	0.025	NA	NA	NA	NA	NA	NA	NA	NA
		08-May-01	CT	0.15	NA	<0.0005	<0.0005	0.012	0.0045	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		07-Dec-01	CT	0.32	NA	<0.0005	<0.0005	0.017	0.0045	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
MW-3		12-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		01-Dec-94	AEN	NA	0.07	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		08-May-95	AEN	NA	0.07	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		20-Dec-95	AEN	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		04-Sep-96	AEN	NA	0.11	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		17-Dec-96	A2AC	NA	<0.010	NA	NA	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND
		18-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
	dup	18-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		15-May-97	AEN	NA	0.08	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		21-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND

Table 4
Summary of Groundwater Quality Data
East Baybridge Center
Emeryville and Oakland, California
(concentrations expressed in parts per million (ppm))

Well ID	Notes	Date Sampled	Lab	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TCE	1,1,1-TCA	PCE	1,1-DCE	1,1-DCA	1,2-DCA	cis/trans-1,2-DCE	Total VOCs
		11-Dec-97	AEN	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		10-Mar-98	AEN	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		15-Sep-98	ENT	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		03-Mar-99	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		22-Sep-99	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		09-May-00	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		12-Sep-00	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	0.0012	<0.0005	<0.0005	0.0012
		08-May-01	CT	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		07-Dec-01	CT	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
MW-4		01-Dec-94	AEN	NA	0.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		08-May-95	AEN	NA	0.10	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	0.004	<0.0005	<0.0005	0.004
		20-Dec-95	AEN	NA	0.09	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	0.001	<0.0005	<0.0005	0.001
		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	0.0022	<0.0005	<0.0005	0.0022
		04-Sep-96	AEN	NA	0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	(27)	17-Dec-96	A2AC	NA	<0.010	NA	NA	NA	NA	<0.001	<0.001	<0.001	0.002	0.001	<0.001	0.001	0.004
		15-May-97	AEN	NA	0.45	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	0.0013	<0.0005	<0.0005	0.0013
		11-Dec-97	AEN	NA	0.08	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	0.0008	<0.0005	<0.0005	0.0008
		10-Mar-98	AEN	NA	0.08	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		15-Sep-98	ENT	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		03-Mar-99	CT	NA	0.071	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	<0.0005	<0.0005	0.0005
		22-Sep-99	CT	NA	0.073	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		09-May-00	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		11-Sep-00	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	<0.0005	<0.0005	0.0005
		09-Feb-01	CT	NA	0.072	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		09-May-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		15-Aug-01	CT	NA	0.081	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		06-Dec-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
MW-5		13-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.001	0.0007	0.003	0.002	<0.0005	<0.0005	0.0067
		01-Dec-94	AEN	NA	0.05	NA	NA	NA	NA	<0.0005	0.0007	0.0005	0.004	0.003	<0.0005	<0.0005	0.0082
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.001	0.002	0.008	0.003	<0.0005	<0.0005	0.014
		08-May-95	AEN	NA	0.09	NA	NA	NA	NA	0.0005	0.002	0.002	0.016	0.005	<0.0005	<0.0005	0.0255
		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	0.0007	0.002	0.002	0.013	0.004	<0.0005	<0.0005	0.0217
		20-Dec-95	AEN	NA	0.1	NA	NA	NA	NA	<0.0005	0.001	0.0008	0.009	0.002	<0.0005	<0.0005	0.0128
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.0008	0.0024	0.010	0.0029	<0.0005	<0.0005	0.0161
		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	0.001	0.0051	0.0021	<0.0005	<0.0005	0.0082
		04-Sep-96	AEN	NA	0.24	NA	NA	NA	NA	<0.0005	<0.0005	0.0010	0.0051	0.0022	<0.0005	<0.0005	0.0083
		17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0.001	<0.001	0.002	0.005	0.002	<0.001	<0.001	0.009
		18-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	0.0009	0.0079	0.002	<0.0005	<0.0005	0.0108
		15-May-97	AEN	NA	0.07	NA	NA	NA	NA	0.0006	0.0005	0.0021	0.019	0.0039	<0.0005	<0.0005	0.0261
		21-Aug-97	AEN	NA	NA	NA	NA	NA	NA	0.0006	<0.0005	0.0026	0.019	0.0041	<0.0005	<0.0005	0.0263
duplicate		21-Aug-97	AEN	NA	NA	NA	NA	NA	NA	0.0005	<0.0005	0.0024	0.015	0.0038	<0.0005	<0.0005	0.0217
		11-Dec-97	AEN	NA	0.06	NA	NA	NA	NA	<0.0005	<0.0005	0.0019	0.012	0.0029	<0.0005	<0.0005	0.0168
		10-Mar-98	AEN	NA	0.05	NA	NA	NA	NA	<0.0005	<0.0005	0.0015	0.0071	0.0024	<0.0005	<0.0005	0.011
		15-Sep-98	ENT	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.005	0.0005	<0.0005	0.0015	<0.0005	<0.0005	0.002
		02-Mar-99	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	0.0014	0.0092	0.0023	<0.0005	<0.0005	0.0129

Table 4
Summary of Groundwater Quality Data
East Baybridge Center
Emeryville and Oakland, California
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Well ID	Notes	Date Sampled	Lab	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TCE	1,1,1-TCA	PCE	1,1-DCE	1,1-DCA	1,2-DCA	cis/trans-1,2-DCE	Total VOCs
		22-Sep-99	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	0.0019	0.0048	0.0014	<0.0005	<0.0005	0.0081
		09-May-00	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	0.0009	0.0052	0.0013	<0.0005	<0.0005	0.0074
		11-Sep-00	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	0.0013	0.0057	0.0014	<0.0005	<0.0005	0.0084
		09-Feb-01	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	0.0014	0.011	0.0019	<0.0005	<0.0005	0.0143
		09-May-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	0.0014	0.0095	0.0014	<0.0005	<0.0005	0.0123
		15-Aug-01	CT	NA	0.082	NA	NA	NA	NA	<0.0005	<0.0005	0.0015	0.0099	0.0016	<0.0005	<0.0005	0.013
	(78)	06-Dec-01	CT	NA	NA	NA	NA	NA	NA	0.001	0.0005	0.0032	0.014	0.0019	<0.0005	<0.0005	0.0211
MW-6	(2)	13-Sep-94	AEN	NA	NA	NA	NA	NA	NA	0.0005	0.041	<0.0005	0.280	0.005	0.001	0.001	0.3285
	(6)	01-Dec-94	AEN	NA	0.08	NA	NA	NA	NA	0.0006	0.041	<0.0005	0.300	0.004	<0.0005	<0.0005	0.3456
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.039	<0.003	0.280	0.003	<0.003	<0.003	0.322
duplicate		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.045	<0.003	0.290	0.004	<0.003	<0.003	0.339
		09-May-95	AEN	NA	0.20	NA	NA	NA	NA	<0.003	0.031	<0.003	0.260	0.003	<0.003	<0.003	0.294
		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.032	<0.003	0.270	0.004	<0.003	<0.003	0.306
		28-Dec-95	AEN	NA	0.1	NA	NA	NA	NA	<0.003	0.040	<0.003	0.280	0.004	<0.003	<0.003	0.324
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.005	0.031	<0.005	0.270	<0.005	<0.005	<0.005	0.301
		01-May-96	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.026	<0.003	<0.200	0.003	<0.003	<0.003	0.029
		04-Sep-96	AEN	NA	0.17	NA	NA	NA	NA	<0.003	0.033	<0.003	0.330	0.005	<0.003	<0.003	0.368
		17-Dec-96	A2AC	NA	<0.010	NA	NA	NA	NA	0.010	0.060	<0.001	0.310	<0.001	<0.001	<0.001	0.38
		18-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.029	<0.003	0.260	0.003	<0.003	<0.003	0.292
		15-May-97	AEN	NA	0.07	NA	NA	NA	NA	<0.003	0.018	<0.003	0.200	0.004	<0.003	<0.003	0.222
		21-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.019	<0.003	0.230	0.003	<0.003	<0.003	0.252
		11-Dec-97	AEN	NA	0.07	NA	NA	NA	NA	<0.003	0.020	<0.003	0.210	0.004	<0.003	<0.003	0.234
		09-Mar-98	AEN	NA	0.08	NA	NA	NA	NA	<0.003	0.015	<0.003	0.180	0.003	<0.003	<0.003	0.198
		14-Sep-98	ENT	NA	<0.05	NA	NA	NA	NA	<0.003	0.0099	<0.003	0.210	0.0048	<0.003	<0.003	0.2247
		02-Mar-99	CT	NA	<0.05	NA	NA	NA	NA	<0.001	0.015	<0.001	0.210	0.0045	<0.001	<0.001	0.2295
	(61)	22-Sep-99	CT	NA	0.059	NA	NA	NA	NA	<0.001	0.015	<0.001	0.240	0.0045	<0.001	<0.001	0.2624
	(63)	10-May-00	CT	NA	<0.05	NA	NA	NA	NA	<0.001	0.0098	<0.001	0.190	0.0033	<0.001	<0.001	0.2031
	(69)	11-Sep-00	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	0.011	<0.0005	0.180	0.0034	<0.0005	<0.0005	0.1969
	(72)	09-Feb-01	CT	NA	0.059	NA	NA	NA	NA	<0.0005	0.0086	<0.0005	0.160	0.0033	<0.0005	<0.0005	0.1719
		08-May-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
	(77)	15-Aug-01	CT	NA	0.062	NA	NA	NA	NA	<0.0005	0.009	<0.0005	0.140	0.0028	<0.0005	<0.0005	0.1538
	(79)	06-Dec-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	0.006	<0.0005	0.120	0.0024	<0.0005	<0.0005	0.1298
MW-7		12-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.017	<0.0005	0.160	0.003	0.0009	<0.0005	0.1809
		30-Nov-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.016	<0.0005	0.170	0.003	<0.0005	<0.0005	0.189
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.011	<0.003	0.120	<0.003	<0.003	<0.003	0.131
		09-May-95	AEN	NA	0.09	NA	NA	NA	NA	<0.0005	0.015	<0.0005	0.180	0.004	<0.0005	<0.0005	0.199
		30-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.012	<0.003	0.140	0.003	<0.003	<0.003	0.155
		20-Dec-95	AEN	NA	<0.05	NA	NA	NA	NA	<0.003	0.011	<0.003	0.170	<0.003	<0.003	<0.003	0.181
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.018	<0.003	0.210	0.0035	<0.003	<0.003	0.2315
duplicate		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.017	<0.003	0.210	0.003	<0.003	<0.003	0.23
		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.016	<0.003	0.220	0.003	<0.003	<0.003	0.239
		03-Sep-96	AEN	NA	0.11	NA	NA	NA	NA	<0.003	0.021	<0.003	0.290	0.004	<0.003	<0.003	0.315
		17-Dec-96	A2AC	NA	<0.010	NA	NA	NA	NA	<0.001	0.050	<0.001	0.280	<0.001	<0.001	<0.001	0.33
		19-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.007	<0.003	0.150	<0.003	<0.003	<0.003	0.157
		15-May-97	AEN	NA	<0.05	NA	NA	NA	NA	<0.003	0.014	<0.003	0.230	0.005	<0.003	<0.003	0.249

Table 4
Summary of Groundwater Quality Data
East Baybridge Center
Emeryville and Oakland, California
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Well ID	Notes	Date Sampled	Lab	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TCE	1,1,1-TCA	PCE	1,1-DCE	1,1-DCA	1,2-DCA	cis/trans-1,2-DCE	Total VOCs
		21-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.013	<0.003	0.250	0.005	<0.003	<0.003	0.268
		11-Dec-97	AEN	NA	0.06	NA	NA	NA	NA	<0.003	0.014	<0.003	0.220	0.006	<0.003	<0.003	0.24
		09-Mar-98	AEN	NA	0.05	NA	NA	NA	NA	<0.003	0.010	<0.003	0.170	0.005	<0.003	<0.003	0.185
		15-Sep-98	ENT	NA	<0.05	NA	NA	NA	NA	<0.0005	0.0097	<0.0005	0.270	0.008	<0.0005	<0.0005	0.2876
duplicate		15-Sep-98	ENT	NA	<0.05	NA	NA	NA	NA	<0.0005	0.0064	<0.0005	0.190	0.0089	<0.0005	<0.0005	0.2053
	(51)	02-Mar-99	CT	NA	0.055	NA	NA	NA	NA	<0.0005	0.011	<0.0005	0.200	0.0081	<0.0005	<0.0005	0.2263
	(60)	22-Sep-99	CT	NA	0.076	NA	NA	NA	NA	0.0012	0.010	<0.0005	0.220	0.0076	<0.0005	<0.0005	0.247
	(64)	09-May-00	CT	NA	<0.05	NA	NA	NA	NA	0.0011	0.008	<0.0005	0.220	0.0062	<0.0005	<0.0005	0.243
	(67)	11-Sep-00	CT	NA	NA	NA	NA	NA	NA	<0.0005	0.004	<0.0005	0.120	0.0043	<0.0005	<0.0005	0.1349
duplicate	(68)	11-Sep-00	CT	NA	NA	NA	NA	NA	NA	<0.0005	0.0043	<0.0005	0.120	0.0044	<0.0005	<0.0005	0.135
	(73)	09-Feb-01	CT	NA	0.056	NA	NA	NA	NA	<0.0005	0.0041	<0.0005	0.140	0.0051	<0.0005	<0.0005	0.1544
		08-May-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.011	0.0007	<0.0005	<0.0005	0.0117
		15-Aug-01	CT	NA	0.088	NA	NA	NA	NA	<0.0005	0.0079	<0.0005	0.170	0.006	<0.0005	<0.0005	0.1989
	(80)	06-Dec-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	0.0056	<0.0005	0.190	0.0065	<0.0005	<0.0005	0.2021
MW-8	(3)	13-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	<0.0005	<0.0005	0.0005
		02-Dec-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		09-May-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		20-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		29-Apr-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		04-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND
		19-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		15-May-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
duplicate		15-May-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		21-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		10-Mar-98	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		15-Sep-98	ENT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		02-Mar-99	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		21-Sep-99	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		09-May-00	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		12-Sep-00	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		06-Dec-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
MW-9		12-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.017	<0.0005	0.120	0.0005	0.006	<0.0005	0.1435
duplicate		12-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.015	<0.0005	0.120	0.0005	0.009	<0.0005	0.1445
		30-Nov-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.016	<0.0005	0.150	0.0005	<0.0005	<0.0005	0.1665
duplicate		30-Nov-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.016	<0.0005	0.160	0.0005	<0.0005	<0.0005	0.1765
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.014	<0.003	0.120	<0.003	<0.003	<0.003	0.134
		08-May-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.013	<0.0005	0.110	0.005	<0.0005	<0.0005	0.128
		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.013	<0.003	0.130	0.004	<0.003	<0.003	0.147
		20-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.009	<0.003	0.092	<0.003	<0.003	<0.003	0.101
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.0099	<0.0005	0.087	0.0035	<0.0005	<0.0005	0.1004

Table 4
Summary of Groundwater Quality Data
East Baybridge Center
Emeryville and Oakland, California
(concentrations expressed in parts per million [ppm])

Well ID	Notes	Date Sampled	Lab	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TCE	1,1,1-TCA	PCE	1,1-DCE	1,1-DCA	1,2-DCA	cis/trans-1,2-DCE	Total VOCs
		03-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.0083	<0.0005	0.099	0.0030	<0.0005	<0.0005	0.1103
duplicate		03-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.0078	<0.0005	0.097	0.0026	<0.0005	<0.0005	0.1074
		17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0.001	0.005	<0.001	0.059	0.002	<0.001	<0.001	0.066
	dup	17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0.001	0.006	<0.001	0.064	0.002	<0.001	<0.001	0.072
		19-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.008	<0.0005	0.087	0.0023	<0.0005	<0.0005	0.0973
		15-May-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.0056	<0.0005	0.063	0.0025	<0.0005	<0.0005	0.0711
		22-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.0080	<0.0005	0.067	0.0022	<0.0005	<0.0005	0.0772
		11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.0050	<0.0005	0.058	0.0022	<0.0005	<0.0005	0.0652
		10-Mar-98	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.0060	<0.0005	0.084	0.0018	<0.0005	<0.0005	0.0918
		14-Sep-98	ENT	NA	NA	NA	NA	NA	NA	<0.0005	0.0037	<0.0005	0.078	0.0030	<0.0005	<0.0005	0.0847
		02-Mar-99	CT	NA	NA	NA	NA	NA	NA	<0.0005	0.0049	<0.0005	0.078	0.0022	<0.0005	<0.0005	0.0851
		22-Sep-99	CT	NA	NA	NA	NA	NA	NA	<0.0005	0.0052	0.0013	0.091	0.0022	<0.0005	<0.0005	0.0997
		08-Feb-01	CT	NA	<.05	NA	NA	NA	NA	<0.0005	0.0020	<0.0005	0.044	0.0014	<0.0005	<0.0005	0.0474
		08-May-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	0.0016	<0.0005	0.032	0.0014	<0.0005	<0.0005	0.035
		24-Sep-01	CT	NA	0.072	NA	NA	NA	NA	<0.0005	0.0017	<0.0005	0.042	0.0015	<0.0005	<0.0005	0.0452
		07-Dec-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	0.0016	<0.0005	0.050	0.0019	<0.0005	<0.0005	0.0535
MW-10R		20-Dec-95	AEN	NA	NA	NA	NA	NA	NA	0.910	<0.005	0.007	<0.005	<0.005	<0.005	0.222	1.139
	(19)	29-Apr-96	AEN	NA	NA	NA	NA	NA	NA	0.650	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.65
	(28)	17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	0.610	<0.001	<0.001	<0.001	<0.001	<0.001	0.160	0.77
		15-May-97	AEN	NA	NA	NA	NA	NA	NA	0.500	<0.005	<0.005	<0.005	<0.005	<0.005	0.156	0.656
	(47)	12-Dec-97	AEN	NA	NA	NA	NA	NA	NA	0.420	<0.005	<0.005	<0.005	<0.005	<0.005	0.125	0.545
		10-Mar-98	AEN	NA	NA	NA	NA	NA	NA	0.500	<0.005	<0.005	<0.005	<0.005	<0.005	0.140	0.64
		15-Sep-98	ENT	NA	NA	NA	NA	NA	NA	0.550	<0.005	<0.005	<0.005	<0.005	<0.005	0.032	0.582
	(55)	03-Mar-99	CT	NA	NA	NA	NA	NA	NA	0.390	0.0011	0.0045	0.0019	<0.0005	0.0005	0.141	0.539
	(58)	21-Sep-99	CT	NA	NA	NA	NA	NA	NA	0.400	<0.0017	0.0065	0.0020	<0.0017	<0.0017	0.113	0.5315
	(65)	09-May-00	CT	NA	NA	NA	NA	NA	NA	0.340	<0.0013	0.004	0.0016	<0.0013	<0.0013	0.108	0.4636
duplicate	(66)	09-May-00	CT	NA	NA	NA	NA	NA	NA	0.320	<0.0013	0.0033	0.0170	<0.0013	<0.0013	0.100	0.4495
	(70)	12-Sep-00	CT	NA	NA	NA	NA	NA	NA	0.410	<0.0017	0.0037	0.0021	<0.0017	<0.0017	0.144	0.5728
	(74)	08-May-01	CT	NA	NA	NA	NA	NA	NA	0.340	<0.0017	0.0033	<0.0017	<0.0017	<0.0017	0.124	0.4783
	(81)	06-Dec-01	CT	NA	NA	NA	NA	NA	NA	0.290	<0.0010	0.0026	0.0012	<0.0010	<0.0010	0.108	0.4083
MW-12R		27-Dec-95	AEN	NA	0.2	NA	NA	NA	NA	0.003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.002	0.005
		27-Feb-96	AEN	<0.05	0.36	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA	NA
	(20)	30-Apr-96	AEN	<0.05	0.23	<0.0005	<0.0005	<0.0005	<0.002	0.0025	<0.0005	<0.0005	<0.0005	0.0024	<0.0005	<0.0005	0.0049
		17-Dec-96	A2AC	NA	<0.010	NA	NA	NA	NA	0.001	<0.001	<0.001	<0.001	0.005	<0.001	0.004	0.01
		15-May-97	AEN	NA	0.29	NA	NA	NA	NA	0.0009	<0.0005	<0.0005	<0.0005	0.0059	<0.0005	0.0007	0.0075
		12-Dec-97	AEN	NA	0.44	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	0.0014	<0.0005	<0.0005	0.0014
		10-Mar-98	AEN	NA	0.49	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		16-Sep-98	ENT	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		03-Mar-99	CT	NA	0.47	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	0.0006	<0.0005	<0.0005	0.0006
		22-Sep-99	CT	NA	0.46	NA	NA	NA	NA	0.0006	<0.0005	<0.0005	<0.0005	0.0013	<0.0005	0.0009	0.0028
		09-May-00	CT	NA	0.38	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		12-Sep-00	CT	NA	0.43	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	0.001	<0.0005	0.0007	0.0017
		08-May-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		06-Dec-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND

Table 4
Summary of Groundwater Quality Data
East Baybridge Center
Emeryville and Oakland, California
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Well ID	Notes	Date Sampled	Lab	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TCE	1,1,1-TCA	PCE	1,1-DCE	1,1-DCA	1,2-DCA	cis/trans-1,2-DCE	Total VOCs
MW-31R		27-Dec-95	AEN	NA	0.3	NA	NA	NA	NA	0.018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.009	0.027
		27-Feb-96	AEN	<0.05	0.37	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA	NA
	(21)	30-Apr-96	AEN	NA	0.19	NA	NA	NA	NA	0.015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.015
		05-Sep-96	AEN	NA	0.54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		17-Dec-96	A2AC	NA	<0.010	NA	NA	NA	NA	0.008	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	0.012
		19-Feb-97	AEN	NA	0.49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32R	(15)	22-Dec-95	AEN	NA	0.2	NA	NA	NA	NA	0.058	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.055	0.113
		27-Feb-96	AEN	<0.05	0.26	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA	NA
	(22)	01-May-96	AEN	NA	0.17	NA	NA	NA	NA	0.074	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.074
		05-Sep-96	AEN	NA	0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	(31)	17-Dec-96	A2AC	NA	<0.010	NA	NA	NA	NA	0.110	<0.001	<0.001	<0.001	<0.001	<0.001	0.100	0.21
		19-Feb-97	AEN	NA	0.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34R		27-Dec-95	AEN	NA	0.3	NA	NA	NA	NA	0.009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.009
	(23)	29-Apr-96	AEN	NA	NA	NA	NA	NA	NA	0.035	0.0011	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0361
		17-Dec-96	AEN	NA	NA	NA	NA	NA	NA	0.018	<0.001	<0.001	0.002	<0.001	<0.001	0.005	0.025
	(40)	15-May-97	AEN	NA	NA	NA	NA	NA	NA	0.0028	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0008	0.0036
	(46)	12-Dec-97	AEN	NA	NA	NA	NA	NA	NA	0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0012
	(49)	10-Mar-98	AEN	NA	NA	NA	NA	NA	NA	0.020	<0.0005	<0.0005	0.0021	<0.0005	<0.0005	0.0015	0.249
		16-Sep-98	ENT	NA	NA	NA	NA	NA	NA	0.0073	<0.0005	<0.0005	0.0010	<0.0005	<0.0005	0.0022	0.0022
	(54)	03-Mar-99	CT	NA	NA	NA	NA	NA	NA	0.011	<0.0005	<0.0005	0.0022	<0.0005	<0.0005	0.002	0.0152
	(57)	21-Sep-99	CT	NA	NA	NA	NA	NA	NA	0.018	0.0006	0.0013	0.0038	0.0007	<0.0005	0.0032	0.0288
duplicate	(57)	21-Sep-99	CT	NA	NA	NA	NA	NA	NA	0.017	0.0006	0.0013	0.0035	0.0007	<0.0005	0.0032	0.0275
		09-May-00	CT	NA	NA	NA	NA	NA	NA	0.018	<0.0005	<0.0005	0.0033	0.0006	<0.0005	0.0027	0.0246
	(71)	12-Sep-00	CT	NA	NA	NA	NA	NA	NA	0.036	0.0007	<0.0005	0.004	0.0008	<0.0005	0.0038	0.046
		08-May-01	CT	NA	NA	NA	NA	NA	NA	0.018	<0.0005	<0.0005	0.0041	0.0006	<0.0005	0.0029	0.0256
		06-Dec-01	CT	NA	NA	NA	NA	NA	NA	0.010	<0.0005	<0.0005	0.0029	<0.0005	<0.0005	0.0022	0.0151
duplicate		06-Dec-01	CT	NA	NA	NA	NA	NA	NA	0.010	<0.0005	<0.0005	0.0028	<0.0005	<0.0005	0.0022	0.015
LF-13		09-May-95	AEN	NA	NA	NA	NA	NA	NA	0.006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.006
		28-Dec-95	AEN	NA	NA	NA	NA	NA	NA	0.006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.006
		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	0.0031	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0031
duplicate		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	0.0031	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0031
	(38)	17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003
LF-22		12-Jul-91	ANA	NA	NA	NA	NA	NA	NA	0.0007	0.012	0.0017	0.053	0.0063	0.0016	<0.0005	0.0753
		07-Jan-92	ANA	NA	NA	NA	NA	NA	NA	<0.0005	0.009	0.0037	0.041	0.0054	0.0011	<0.0005	0.0602
		16-Apr-92	ANA	NA	NA	NA	NA	NA	NA	<0.0005	0.0026	0.0018	0.015	0.0021	<0.0005	<0.0005	0.0215
	(1)	23-Jul-92	ANA	NA	NA	NA	NA	NA	NA	<0.0005	0.0034	0.0014	0.027	0.0052	<0.0005	<0.0005	0.037
		20-Oct-92	ANA	NA	NA	NA	NA	NA	NA	0.0008	0.0013	0.0007	0.014	0.004	<0.0005	<0.0005	0.02074
		25-May-93	ANA	NA	NA	NA	NA	NA	NA	<0.0005	0.0008	0.0006	0.0061	0.0024	<0.0005	<0.0005	0.00992
		13-Jul-93	ANA	NA	NA	NA	NA	NA	NA	0.0007	0.001	0.0009	0.0077	0.0033	<0.0005	<0.0005	0.01352
	(4)	13-Sep-94	AEN	NA	NA	NA	NA	NA	NA	0.004	<0.0005	0.008	0.003	0.001	0.0007	<0.0005	0.0167
		01-Dec-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0006	0.0009	<0.0005	<0.0005	0.0015
		17-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	0.0006	0.0007	0.001	<0.0005	<0.0005	0.0023
		09-May-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0007	0.0007	<0.0005	<0.0005	0.0014

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Well ID	Notes	Date Sampled	Lab	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TCE	1,1,1-TCA	PCE	1,1-DCE	1,1-DCA	1,2-DCA	cis/trans-1,2-DCE	Total VOCs
duplicate		09-May-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0005	0.0006	<0.0005	<0.0005	0.0011
	(11)	31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.001	0.001	<0.0005	<0.0005	0.002
duplicate	(11)	31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.001	0.001	<0.0005	<0.0005	0.002
		20-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
	(17)	27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
	(24)	29-Apr-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		04-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND
		18-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		16-May-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		22-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		12-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		09-Mar-98	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		16-Sep-98	ENT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		03-Mar-99	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		22-Sep-99	CT	NA	NA	NA	NA	NA	NA	0.0008	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0008
		09-May-00	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		12-Sep-00	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		08-Feb-01	CT	NA	<.05	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		09-May-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		15-Aug-01	CT	NA	0.065	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		07-Dec-01	CT	NA	0.065	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
LF-23		12-Jul-91	ANA	NA	NA	NA	NA	NA	NA	0.0039	0.0009	0.027	0.0012	0.011	0.0009	<0.0005	0.0449
		07-Jan-92	ANA	NA	NA	NA	NA	NA	NA	0.007	0.0023	0.056	0.0034	0.012	0.0013	<0.0005	0.082
		16-Apr-92	ANA	NA	NA	NA	NA	NA	NA	0.0036	0.0007	0.020	0.0044	0.0044	0.0011	<0.0005	0.03418
		23-Jul-92	ANA	NA	NA	NA	NA	NA	NA	0.0038	0.0013	0.029	0.0061	0.0044	0.0014	<0.0005	0.046
		20-Oct-92	ANA	NA	NA	NA	NA	NA	NA	0.0033	0.0005	0.023	0.0047	0.002	0.0015	<0.0005	0.03504
		25-May-93	ANA	NA	NA	NA	NA	NA	NA	0.0042	0.0007	0.016	0.0035	0.0017	0.0019	<0.0005	0.02795
		13-Jul-93	ANA	NA	NA	NA	NA	NA	NA	0.0081	0.0015	0.018	0.0074	0.0033	0.0051	<0.0005	0.0434
		13-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	0.0006	0.002	0.003	0.0007	<0.0005	0.0063
	(7)	01-Dec-94	AEN	NA	NA	NA	NA	NA	NA	0.004	<0.0005	0.008	0.0006	<0.0005	<0.0005	0.002	0.0146
	(8)	17-Feb-95	AEN	NA	NA	NA	NA	NA	NA	0.003	<0.0005	0.006	<0.0005	<0.0005	<0.0005	0.002	0.011
	(9)	09-May-95	AEN	NA	NA	NA	NA	NA	NA	0.002	<0.0005	0.005	<0.0005	<0.0005	<0.0005	0.001	0.008
	(10)	31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	0.002	<0.0005	0.007	0.0007	0.0007	<0.0005	0.001	0.0114
	(14)	20-Dec-95	AEN	NA	NA	NA	NA	NA	NA	0.001	<0.0005	0.006	<0.0005	<0.0005	<0.0005	<0.0005	0.007
	(18)	27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	0.0008	<0.0005	0.0038	<0.0005	<0.0005	<0.0005	<0.0005	0.0046
	(25)	29-Apr-96	AEN	NA	NA	NA	NA	NA	NA	0.0006	<0.0005	0.0028	<0.0005	<0.0005	<0.0005	<0.0005	0.0034
	(26)	04-Sep-96	AEN	NA	NA	NA	NA	NA	NA	0.0014	<0.0005	0.0032	<0.0005	<0.0005	<0.0005	<0.0005	0.0046
	(35)	17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	0.004
	(39)	18-Feb-97	AEN	NA	NA	NA	NA	NA	NA	0.0007	<0.0005	0.0017	<0.0005	<0.0005	<0.0005	<0.0005	0.0024
	(41)	16-May-97	AEN	NA	NA	NA	NA	NA	NA	0.0014	<0.0005	0.0021	<0.0005	<0.0005	<0.0005	0.0012	0.0047
	(43)	22-Aug-97	AEN	NA	NA	NA	NA	NA	NA	0.0013	<0.0005	0.0025	<0.0005	<0.0005	<0.0005	0.0009	0.0047
	(45)	11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	0.0010	<0.0005	0.0019	<0.0005	<0.0005	<0.0005	0.0009	0.0038
	(48)	09-Mar-98	AEN	NA	NA	NA	NA	NA	NA	0.0010	<0.0005	0.0024	<0.0005	<0.0005	<0.0005	0.0005	0.0045
		16-Sep-98	ENT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	0.0007	<0.0005	<0.0005	<0.0005	<0.0005	0.0007
	(53)	03-Mar-99	CT	NA	NA	NA	NA	NA	NA	0.0007	<0.0005	0.001	<0.0005	<0.0005	<0.0005	0.0006	0.0034

Table 4
Summary of Groundwater Quality Data
East Baybridge Center
Emeryville and Oakland, California
(concentrations expressed in parts per million [ppm])

Well ID	Notes	Date Sampled	Lab	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TCE	1,1,1-TCA	PCE	1,1-DCE	1,1-DCA	1,2-DCA	cis/trans-1,2-DCE	Total VOCs
	(59)	22-Sep-99	CT	NA	NA	NA	NA	NA	NA	0.0008	<0.0005	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	0.0047
		09-May-00	CT	NA	NA	NA	NA	NA	NA	0.0006	<0.0005	0.0007	<0.0005	<0.0005	<0.0005	<0.0005	0.0013
		12-Sep-00	CT	NA	NA	NA	NA	NA	NA	0.0008	<0.0005	0.0014	<0.0005	0.001	0.0007	<0.0005	0.0036
		08-Feb-01	CT	NA	0.059	NA	NA	NA	NA	0.0005	<0.0005	0.0009	<0.0005	<0.0005	<0.0005	<0.0005	0.0014
duplicate		08-Feb-01	CT	NA	0.073	NA	NA	NA	NA	0.0006	<0.0005	0.0008	<0.0005	<0.0005	<0.0005	<0.0005	0.0014
		09-May-01	CT	NA	NA	NA	NA	NA	NA	0.0005	<0.0005	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	0.0011
duplicate		09-May-01	CT	NA	NA	NA	NA	NA	NA	0.0005	<0.0005	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	0.0011
	(75)	15-Aug-01	CT	NA	0.069	NA	NA	NA	NA	0.0007	<0.0005	0.001	0.0018	<0.0005	<0.0005	<0.0005	0.0068
duplicate	(76)	15-Aug-01		NA	NA	NA	NA	NA	NA	0.0007	<0.0005	0.0012	0.0017	<0.0005	<0.0005	<0.0005	0.0073
	(82)	07-Dec-01		NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	0.0012	0.0013	<0.0005	<0.0005	<0.0005	0.0067
Shallow Extraction Wells (20 to 30 feet below grade)																	
EX-3		14-Sep-94	AEN	NA	NA	NA	NA	NA	NA	0.004	0.014	0.042	0.100	0.005	0.001	0.008	0.174
		02-Dec-94	AEN	NA	0.10	NA	NA	NA	NA	0.004	0.015	0.045	0.140	0.005	<0.0005	<0.0005	0.209
		17-Feb-95	AEN	NA	<0.05	NA	NA	NA	NA	0.003	0.014	0.037	0.096	0.005	<0.0005	<0.0005	0.155
		09-May-95	AEN	NA	0.10	NA	NA	NA	NA	0.003	0.012	0.031	0.120	0.005	<0.0005	<0.0005	0.171
		31-Aug-95	AEN	NA	0.10	NA	NA	NA	NA	<0.003	0.012	0.027	0.120	0.005	<0.003	<0.003	0.164
		28-Dec-95	AEN	NA	0.10	NA	NA	NA	NA	<0.003	0.009	0.036	0.160	0.004	<0.003	<0.003	0.209
		27-Feb-96	AEN	NA	0.12	NA	NA	NA	NA	<0.003	0.0077	0.030	0.120	0.0032	<0.003	<0.003	0.1609
		30-Apr-96	AEN	NA	0.08	NA	NA	NA	NA	<0.003	0.008	0.026	0.120	0.003	<0.003	<0.003	0.157
		05-Sep-96	AEN	NA	0.14	NA	NA	NA	NA	<0.003	0.008	0.029	0.140	0.004	<0.003	<0.003	0.181
		17-Dec-96	A2AC	NA	<0.010	NA	NA	NA	NA	0.006	0.010	0.020	0.098	0.003	<0.001	0.004	0.141
		19-Feb-97	AEN	NA	<0.05	NA	NA	NA	NA	<0.003	0.006	<0.003	0.070	<0.003	<0.003	<0.003	0.076
		15-May-97	AEN	NA	0.12	NA	NA	NA	NA	<0.0005	0.007	0.0048	0.082	0.0025	<0.0005	<0.0005	0.0963
	(42)	21-Aug-97	AEN	NA	<0.05	NA	NA	NA	NA	<0.0005	0.0073	0.0053	0.075	0.0022	<0.0005	<0.0005	0.0898
		12-Dec-97	AEN	NA	0.06	NA	NA	NA	NA	<0.0005	0.0079	0.0050	0.083	0.0029	<0.0005	<0.0005	0.0988
		09-Mar-98	AEN	NA	0.05	NA	NA	NA	NA	<0.0005	0.0043	0.0035	0.062	0.0021	<0.0005	<0.0005	0.0719
		16-Sep-98	ENT	NA	<0.05	NA	NA	NA	NA	<0.0005	0.0037	0.0300	0.150	<0.0005	<0.0005	<0.0005	0.1837
		14-Jun-99	CT	NA	0.056	NA	NA	NA	NA	0.0021	0.0075	0.0270	0.160	0.0040	<0.0005	<0.0005	0.2006
		23-Sep-99	CT	NA	<0.05	NA	NA	NA	NA	0.0024	0.0062	0.0310	0.140	0.0039	<0.0005	<0.0005	0.1835
		10-May-00	CT	NA	<0.05	NA	NA	NA	NA	0.0022	0.0060	0.0260	0.160	0.0041	<0.0005	<0.0005	0.1983
		24-Oct-00	CT	NA	<0.05	NA	NA	NA	NA	0.0016	0.0047	0.0210	0.130	0.0035	0.0007	<0.0005	0.1615
EX-4		14-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.025	0.010	0.220	0.006	0.001	<0.0005	0.262
		02-Dec-94	AEN	NA	0.09	NA	NA	NA	NA	<0.0005	0.020	0.011	0.240	0.006	<0.0005	<0.0005	0.277
		17-Feb-95	AEN	NA	<0.05	NA	NA	NA	NA	<0.003	0.017	0.011	0.210	0.004	<0.003	<0.003	0.242
		09-May-95	AEN	NA	0.10	NA	NA	NA	NA	<0.003	0.020	0.011	0.210	0.004	<0.003	<0.003	0.245
		31-Aug-95	AEN	NA	0.20	NA	NA	NA	NA	<0.003	0.016	0.010	0.200	0.005	<0.003	<0.003	0.231
		28-Dec-95	AEN	NA	0.10	NA	NA	NA	NA	<0.003	0.014	0.014	0.210	0.004	<0.003	<0.003	0.242
		27-Feb-96	AEN	NA	0.13	NA	NA	NA	NA	<0.0005	0.0086	0.012	0.150	<0.0005	<0.0005	<0.0005	0.1706
		30-Apr-96	AEN	NA	0.06	NA	NA	NA	NA	<0.003	0.010	0.010	0.150	<0.003	<0.003	<0.003	0.17
		05-Sep-96	AEN	NA	0.14	NA	NA	NA	NA	<0.003	0.008	0.009	0.140	0.003	<0.003	<0.003	0.16
		17-Dec-96	A2AC	NA	0.334	NA	NA	NA	NA	0.001	0.009	0.010	0.090	0.003	<0.001	0.004	0.117
		19-Feb-97	AEN	NA	0.11	NA	NA	NA	NA	<0.003	0.005	0.005	0.097	<0.003	<0.003	<0.003	0.107
		15-May-97	AEN	NA	0.17	NA	NA	NA	NA	<0.003	0.006	0.008	0.110	0.003	<0.003	<0.003	0.127
		21-Aug-97	AEN	NA	0.13	NA	NA	NA	NA	<0.003	0.005	0.007	0.087	<0.003	<0.003	<0.003	0.099
		12-Dec-97	AEN	NA	<0.05	NA	NA	NA	NA	<0.003	0.007	0.014	0.097	0.003	<0.003	<0.003	0.121

Table 4
Summary of Groundwater Quality Data
East Baybridge Center
Emeryville and Oakland, California
(concentrations expressed in parts per million (ppm))

Well ID	Notes	Date Sampled	Lab	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TCE	1,1,1-TCA	PCE	1,1-DCE	1,1-DCA	1,2-DCA	cis/trans-1,2-DCE	Total VOCs
		09-Mar-98	AEN	NA	0.13	NA	NA	NA	NA	<0.0005	0.0051	0.0098	0.072	0.0023	<0.0005	0.072	0.1612
		16-Sep-98	ENT	NA	<0.05	NA	NA	NA	NA	<0.0005	0.0025	0.0120	0.096	0.0009	<0.0005	<0.0005	0.1114
	(156)	03-Mar-99	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	0.0038	0.0091	0.063	0.0021	<0.0005	<0.0005	0.079
		23-Sep-99	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	0.0037	0.012	0.071	0.0023	<0.0005	<0.0005	0.0927
		10-May-00	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	0.0041	0.012	0.096	0.0027	<0.0005	<0.0005	0.1148
		24-Oct-00	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	0.0028	0.009	0.065	0.0020	0.0008	<0.0005	0.0794
EXTR		27-Feb-96	AEN	NA	0.15	NA	NA	NA	NA	<0.0005	0.0069	0.0013	0.066	0.0028	<0.0005	<0.0005	0.077
		30-Apr-96	AEN	NA	0.11	NA	NA	NA	NA	<0.0005	0.0055	0.0012	0.063	0.0024	<0.0005	<0.0005	0.0721
		05-Sep-96	AEN	NA	0.12	NA	NA	NA	NA	<0.0005	0.0082	0.0031	0.099	0.0031	<0.0005	<0.0005	0.1134
		17-Dec-96	A2AC	NA	1.520	NA	NA	NA	NA	0.001	0.008	0.009	0.074	0.002	<0.001	0.004	0.098
		19-Feb-97	AEN	NA	0.13	NA	NA	NA	NA	<0.0005	0.0034	0.0021	0.059	0.0016	<0.0005	<0.0005	0.0661
		15-May-97	AEN	NA	0.08	NA	NA	NA	NA	<0.0005	0.0041	0.0018	0.060	0.0021	<0.0005	0.0006	0.0686
		21-Aug-97	AEN	NA	0.07	NA	NA	NA	NA	<0.0005	0.007	0.0048	0.073	0.0023	<0.0005	<0.0005	0.0871
		12-Dec-97	AEN	NA	<0.05	NA	NA	NA	NA	0.0006	0.0063	0.0040	0.075	0.0031	<0.0005	0.0006	0.0896
		09-Mar-98	AEN	NA	0.07	NA	NA	NA	NA	<0.0005	0.0043	0.0040	0.064	0.0021	<0.0005	<0.0005	0.0744
		16-Sep-98	ENT	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	0.0150	0.150	<0.0005	<0.0005	<0.0005	0.165
		03-Mar-99	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	0.0039	0.0035	0.068	0.0022	<0.0005	<0.0005	0.0776
	(62)	23-Sep-99	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	0.0023	0.0010	0.047	0.0013	<0.0005	<0.0005	0.0522
		10-May-00	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	0.0031	0.0010	0.068	0.0018	<0.0005	<0.0005	0.0739
		24-Oct-00	CT	NA	<0.05	NA	NA	NA	NA		0.0027	0.0013	0.066	0.0016	0.0013	<0.0005	0.0729
Deeper Wells (40 to 45 feet below grade)																	
MW-6D		13-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.003	<0.0005	0.0005	<0.0005	0.0035
		01-Dec-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		09-May-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		28-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		01-May-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		03-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND
		18-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		16-May-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		22-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		09-Mar-98	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		14-Sep-98	ENT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		02-Mar-99	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		23-Sep-99	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		10-May-00	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		11-Sep-00	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		07-Dec-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
MW-7D		13-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.003	<0.0005	<0.0005	<0.0005	0.003
		30-Nov-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.003	<0.0005	<0.0005	<0.0005	0.003

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Well ID	Notes	Date Sampled	Lab	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TCE	1,1,1-TCA	PCE	1,1-DCE	1,1-DCA	1,2-DCA	cis/trans-1,2-DCE	Total VOCs
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.003	<0.0005	<0.0005	<0.0005	0.003
		09-May-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		30-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.002	<0.0005	<0.0005	<0.0005	0.002
		20-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
duplicate		20-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		03-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0010	<0.0005	<0.0005	<0.0005	0.001
		17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0.001	<0.001	<0.001	0.008	<0.001	<0.001	<0.001	0.008
		19-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0025	0.0009	<0.0005	0.0081	<0.0005	<0.0005	<0.0005	0.009
		16-May-97	AEN	NA	NA	NA	NA	NA	NA	<0.0025	<0.0005	<0.0005	0.0023	<0.0005	<0.0005	<0.0005	0.0023
		22-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0025	<0.0005	<0.0005	0.0083	<0.0005	<0.0005	<0.0005	0.0083
		11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0081	<0.0005	<0.0005	<0.0005	0.0081
		09-Mar-98	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0081	<0.0005	<0.0005	<0.0005	0.0081
	(50)	15-Sep-98	ENT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0009	0.0008	0.0160	0.0013	<0.0005	<0.0005	0.0181
		02-Mar-99	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0098	0.0006	<0.0005	<0.0005	0.0104
duplicate		02-Mar-99	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0084	0.0005	<0.0005	<0.0005	0.0089
		22-Sep-99	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.014	0.0008	<0.0005	<0.0005	0.0148
		09-May-00	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.015	0.0007	<0.0005	<0.0005	0.0157
		11-Sep-00	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.015	0.0008	0.0009	<0.0005	0.0167
		07-Dec-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.016	0.0009	<0.0005	<0.0005	0.0169
MW-9D		12-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		30-Nov-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		08-May-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		20-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		26-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		01-May-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		03-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.001
		19-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		16-May-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		22-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0024	<0.0005	<0.0005	<0.0005	0.0024
	DUP	11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0025	<0.0005	<0.0005	<0.0005	0.0025
		10-Mar-98	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		14-Sep-98	ENT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		02-Mar-99	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0007	<0.0005	<0.0005	<0.0005	0.0007
		22-Sep-99	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0037	<0.0005	<0.0005	<0.0005	0.0037
		07-Dec-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	0.0006	<0.0005	0.0020	0.0009	<0.0005	<0.0005	0.0035
Deep Well (65 feet below grade)																	
MW-7Z		13-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		30-Nov-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND

Table 4
Summary of Groundwater Quality Data
East Baybridge Center
Emeryville and Oakland, California
(concentrations expressed in parts per million [ppm])

Well ID	Notes	Date Sampled	Lab	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TCE	1,1,1-TCA	PCE	1,1-DCE	1,1-DCA	1,2-DCA	cis/trans-1,2-DCE	Total VOCs
		30-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		28-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		03-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
	(36)	17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	0.005
		19-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		16-May-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		22-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		09-Mar-98	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	0.0092	<0.0005	<0.0005	<0.0005	<0.0005	0.0092
Duplicate		09-Mar-98	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	0.0092	<0.0005	<0.0005	<0.0005	<0.0005	0.0092
		15-Sep-98	ENT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		02-Mar-99	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		22-Sep-99	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		10-May-00	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		11-Sep-00	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		07-Dec-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
REGULATORY CONCENTRATIONS																	
MCL				NE	NE	0.005	1.000	0.700	10.00	0.005	0.200	0.005	0.0005	0.005	0.005	0.006/0.010	
RWQCB RBSL groundwater is NOT a source of drinking water				0.500	0.640	0.046	0.130	0.290	0.013	0.360	0.062	0.120	0.025	0.047	0.910	0.590/0.590	
RWQCB RBSL groundwater is a source of drinking water				0.100	0.100	1,000	0.040	0.030	0.013	0.005	0.062	0.005	0.0032	0.005	0.005	0.006/0.010	
Trip Blanks																	
		17-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		10-May-95	AEN	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		31-Aug-95	AEN	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		28-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		27-Feb-96	AEN	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		03-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		19-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		15-May-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		22-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		09-Mar-98	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		23-Sep-99	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
Field Blanks																	
LF-22		17-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
LF-22		09-May-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
MW-7Z		09-May-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
LF-22-FB		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND

Table 4
Summary of Groundwater Quality Data
East Baybridge Center
Emeryville and Oakland, California
(concentrations expressed in parts per million [ppm])

Well ID	Notes	Date Sampled	Lab	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TCE	1,1,1-TCA	PCE	1,1-DCE	1,1-DCA	1,2-DCA	cis/trans-1,2-DCE	Total VOCs
MW-7D-FB		20-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
MW-7-FB		26-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
MW-9-FB		03-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
LF-22-FB	(37)	17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND
MW-8-FB		19-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
MW-10R-FB		15-May-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
MW-10R-FB		15-Sep-98	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.032	0.032
LF-23-FB		22-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
MW-9-FB		11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
MW-6D-FB		09-Mar-98	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
MW-34R-FB		16-Sep-98	ENT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
MW-7Z-FB	(52)	02-Mar-99	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.025
MW-10-FB		21-Sep-99	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
MW-10-FB		09-May-00	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
MW-6D-FB		11-Sep-00	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
LF-22-FB		08-Feb-01	CT	NA	<.05	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
FBMWS		09-May-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
MW12R		06-Dec-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	

Data entered by KCK Data proofed by REG and QA/QC by SXS.

NOTES:

Key to abbreviations:

CT = Curtis & Tompkins, Berkeley, California

AEN = American Environmental Network in Pleasant Hill, California

ANA = Inchcape Testing Anametrix, Inc., in San Jose, California

A2AC - Aqua Air (A2) Analytical Corporation

ENT = Entech Analytical Labs, Inc. in Sunnyvale, California

MCL = U.S. EPA maximum contaminant levels; where available MCLs by the California Department of Health Services are provided.

NA = parameter not analyzed

ND = parameter not detected

NE = none estabisihed

RWQCB RBSL = Regional Water Quality Control Board Risk-Based Screening Level

TPHg = Total petroleum hydrocarbons as gasoline

TPHd = Total petroleum hydrocarbons as diesel

1,1-DCA = 1,1-Dichloroethane

1,2-DCA = 1,2-Dichloroethane

cis/trans-1,2-DCE = cis and trans-1,2-Dichloroethene

1,1-DCE = 1,1-Dichloroethene

PCE = Tetrachloroethene

1,1,1-TCA = 1,1,1-Trichloroethane

TCE = Trichloroethene

Table 4
Summary of Groundwater Quality Data
East Baybridge Center
Emeryville and Oakland, California
(concentrations expressed in parts per million [ppm])

Well ID	Notes	Date Sampled	Lab	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TCE	1,1,1-TCA	PCE	1,1-DCE	1,1-DCA	1,2-DCA	cis/trans-1,2-DCE	Total VOCs

Notes:

(1) 0.00081 ppm vinyl chloride
(2) 0.002 ppm chloroform
(3) 0.0008 ppm chloroform
(4) 0.002 ppm chloroform
(6) 0.002 ppm chloroform
(7) 0.0002 ppm chloroform
(8) 0.002 ppm chloroform
(9) 0.014 ppm chloroform
(10) Chloroform = 0.004
(11) Chloroform = 0.0006
(14) Chloroform = 0.006
(15) Bromodichloroethane = 0.010 ppm, vinyl chloride = 0.017
(17) Chloroform = 0.0012.
(18) Chloroform = 0.010, Bromodichlomethane = 0.0011
(19) 1,2-DCE = 0.194
(20) 1,2-DCE = 0.0024
(21) 1,2-DCE = 0.011
(22) Vinyl chloride = 0.025, 1,2-DCE = 0.087, Bromodichloromethane = 0.004
(23) 1,1,2-Trichlorotrifluoroethane = 0.0021
(24) Chloroform = 0.0015
(25) Bromodichloromethane = 0.001, Chloroform = 0.013
(26) Chloroform=0.002
(27) Methylene Chloride-0.001
(28) Chloroform-0.030
(31) Methylene Chloride-0.010
(35) Chloroform-0.002
(36) Chloroform-0.001
(37) Chloroform-0.001
(38) Methylene Chloride-0.001
(39) Chloroform-0.0007
(40) Bromodichloromethane-0.0014, Chloroform-0.043
(41) Chloroform-0.0009
(42) TPH as Oil .0003
(43) Chloroform-0.0009
(44) Methyl t-Butyl Ether 0.063
(45) Chloroform 0.0006
(46) Bromodichloromethane 0.0010, Chloroform 0.015
(47) Vinyl chloride 0.006
(48) Vinyl chloride 0.006
(49) 1,1,2-Trichlorotrifluoroethane
(50) A duplicate sample was collected at MW-7D. The results for this sample were rejected based on Entech's conclusion that the sample reported false positive results because of cross contamination by the laboratory.
(51) Vinyl chloride .0072
(52) Chloroform 0.025
(53) Chloroform 0.0011
(54) Freon 113 0.0013
(55) Vinyl Chloride 0.015 and Trichlorofluoromethane 0.0027
(56) Chloroform 0.001
(57) Chloroform 0.0012
(58) Vinyl Chloride 0.010
(59) Chloroform 0.0023
(60) Vinyl chloride .0082
(61) Vinyl chloride .0029
(62) Chloroform 0.0006
(63) Vinyl chloride .0017
(64) Vinyl chloride .008
(65) Vinyl chloride .010
(66) Vinyl chloride .0092
(67) Vinyl chloride .0063
(68) Vinyl chloride .0066
(69) Vinyl chloride .0019 and Chloroform 0.0006
(70) Vinyl chloride .013
(71) Vinyl chloride .0007
(72) Vinyl chloride .0012
(73) Vinyl chloride .0052
(74) Vinyl chloride .011
(75) Chloroform 0.033
(76) Chloroform 0.037
(77) Chloroform 0.0006, and Vinyl chloride 0.0014
(78) Vinyl chloride 0.0005
(79) Vinyl chloride 0.0014
(80) Vinyl chloride 0.0063 and Chloroform 0.0005
(81) Vinyl chloride 0.0065
(82) Chloroform 0.0042

LEVINE-FRICKE

CLIENT ID: LF5-7503
CLIENT JOB NO: 1649
DATE SAMPLED: 02/06/90
DATE RECEIVED: 02/06/90
REPORT DATE: 02/28/90

MED-TOX LAB NO: 9002034-04C
MED-TOX JOB NO: 9002034
DATE EXTRACTED: 02/09/90
DATE ANALYZED: 02/11/90
INSTRUMENT: #11

EPA METHOD 8270
BASE/NEUTRAL EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Acenaphthene	83-32-9	ND	10
Acenaphthylene	208-96-8	ND	10
Anthracene	120-12-7	ND	10
Benzidine	92-87-5	ND	50
Benzoic Acid	65-85-0	ND	50
Benzo(a)anthracene	56-55-3	ND	10
Benzo(b)fluoranthene	205-99-2	ND	10
Benzo(k)fluoranthene	207-08-9	ND	10
Benzo(g,h,i)perylene	191-24-2	ND	10
Benzo(a)pyrene	50-32-8	ND	10
Benzyl Alcohol	100-51-6	ND	20
Bis(2-chloroethoxy) methane	111-91-1	ND	10
Bis(2-chloroethyl)ether	111-44-4	ND	10
Bis(2-chloroisopropyl) ether	39638-32-9	ND	10
Bis(2-ethylhexyl) phthalate	117-81-7	ND	10
4-Bromophenyl phenyl ether	101-55-3	ND	10
Butylbenzyl phthalate	85-68-7	ND	10
4-Chloroaniline	106-47-8	ND	20
2-Chloronaphthalene	91-58-7	ND	10
4-Chlorophenyl phenyl ether	7005-72-3	ND	10
Chrysene	218-01-9	ND	10
Dibenzo(a,h)anthracene	53-70-3	ND	10
Dibenzofuran	132-64-9	ND	10
Di-n-butylphthalate	84-74-2	ND	10
1,2-Dichlorobenzene	95-50-1	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: LF5-7503
CLIENT JOB NO: 1649
DATE SAMPLED: 02/06/90
DATE RECEIVED: 02/06/90
REPORT DATE: 02/28/90

MED-TOX LAB NO: 9002034-04C
MED-TOX JOB NO: 9002034
DATE EXTRACTED: 02/09/90
DATE ANALYZED: 02/11/90
INSTRUMENT: #11

EPA METHOD 8270
BASE/NEUTRAL EXTRACTABLES (cont.)

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
1,3-Dichlorobenzene	541-73-1	ND	10
1,4-Dichlorobenzene	106-46-7	ND	10
3,3'-Dichlorobenzidine	91-94-1	ND	20
Diethylphthalate	84-66-2	ND	10
Dimethylphthalate	131-11-3	ND	10
2,4-Dinitrotoluene	121-14-2	ND	10
2,6-Dinitrotoluene	606-20-2	ND	10
Di-n-octylphthalate	117-84-0	ND	10
1,2-Diphenylhydrazine	122-66-7	ND	10
Fluoranthene	206-44-0	ND	10
Fluorene	86-73-7	ND	10
Hexachlorobenzene	118-74-1	ND	10
Hexachlorobutadiene	87-68-3	ND	10
Hexachlorocyclopentadiene	77-47-4	ND	10
Hexachloroethane	67-72-1	ND	10
Indeno(1,2,3-cd)pyrene	193-39-5	ND	10
Isophorone	78-59-1	ND	10
2-Methylnaphthalene	91-57-6	ND	10
Naphthalene	91-20-3	ND	10
2-Nitroaniline	88-74-4	ND	50
3-Nitroaniline	99-09-2	ND	50
4-Nitroaniline	100-01-6	ND	50
Nitrobenzene	98-95-3	ND	10
N-nitrosodimethylamine	62-75-9	ND	10
N-nitrosodiphenylamine	86-30-6	ND	10
N-nitroso-di-n-propylamine	621-64-7	ND	10
Phenanthrene	85-01-8	ND	10
Pyrene	129-00-0	ND	10
1,2,4-Trichlorobenzene	120-82-1	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: LF5-7503
CLIENT JOB NO: 1649
DATE SAMPLED: 02/06/90
DATE RECEIVED: 02/06/90
REPORT DATE: 02/28/90

MED-TOX LAB NO: 9002034-04C
MED-TOX JOB NO: 9002034
DATE EXTRACTED: 02/09/90
DATE ANALYZED: 02/11/90
INSTRUMENT: #11

EPA METHOD 8270

ACID EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
4-Chloro-3-methylphenol	59-50-7	ND	10
2-Chlorophenol	95-57-8	ND	10
2,4-Dichlorophenol	120-83-2	ND	10
2,4-Dimethylphenol	105-67-9	ND	10
4,6-Dinitro-2-methylphenol	534-52-1	ND	50
2,4-Dinitrophenol	51-28-5	ND	50
2-Methylphenol	95-48-7	ND	10
4-Methylphenol	106-44-5	ND	10
2-Nitrophenol	88-75-5	ND	10
4-Nitrophenol	100-02-7	ND	50
Pentachlorophenol	87-86-5	ND	50
Phenol	108-95-2	ND	10
2,4,5-Trichlorophenol	95-95-4	ND	10
2,4,6-Trichlorophenol	88-06-2	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: LF3-7503
CLIENT JOB NO: 1649
DATE SAMPLED: 02/06/90
DATE RECEIVED: 02/06/90
REPORT DATE: 02/28/90

MED-TOX LAB NO: 9002034-06C
MED-TOX JOB NO: 9002034
DATE EXTRACTED: 02/09/90
DATE ANALYZED: 02/11/90
INSTRUMENT: #11

EPA METHOD 8270
BASE/NEUTRAL EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Acenaphthene	83-32-9	ND	10
Acenaphthylene	208-96-8	ND	10
Anthracene	120-12-7	ND	10
Benzidine	92-87-5	ND	50
Benzoic Acid	65-85-0	ND	50
Benzo(a)anthracene	56-55-3	ND	10
Benzo(b)fluoranthene	205-99-2	ND	10
Benzo(k)fluoranthene	207-08-9	ND	10
Benzo(g,h,i)perylene	191-24-2	ND	10
Benzo(a)pyrene	50-32-8	ND	10
Benzyl Alcohol	100-51-6	ND	20
Bis(2-chloroethoxy) methane	111-91-1	ND	10
Bis(2-chloroethyl)ether	111-44-4	ND	10
Bis(2-chloroisopropyl) ether	39638-32-9	ND	10
Bis(2-ethylhexyl) phthalate	117-81-7	ND	10
4-Bromophenyl phenyl ether	101-55-3	ND	10
Butylbenzyl phthalate	85-68-7	ND	10
4-Chloroaniline	106-47-8	ND	20
2-Chloronaphthalene	91-58-7	ND	10
4-Chlorophenyl phenyl ether	7005-72-3	ND	10
Chrysene	218-01-9	ND	10
Dibenzo(a,h)anthracene	53-70-3	ND	10
Dibenzofuran	132-64-9	ND	10
Di-n-butylphthalate	84-74-2	ND	10
1,2-Dichlorobenzene	95-50-1	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: LF3-7503
CLIENT JOB NO: 1649
DATE SAMPLED: 02/06/90
DATE RECEIVED: 02/06/90
REPORT DATE: 02/28/90

MED-TOX LAB NO: 9002034-06C
MED-TOX JOB NO: 9002034
DATE EXTRACTED: 02/09/90
DATE ANALYZED: 02/11/90
INSTRUMENT: #11

EPA METHOD 8270
BASE/NEUTRAL EXTRACTABLES (cont.)

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
1,3-Dichlorobenzene	541-73-1	ND	10
1,4-Dichlorobenzene	106-46-7	ND	10
3,3'-Dichlorobenzidine	91-94-1	ND	20
Diethylphthalate	84-66-2	ND	10
Dimethylphthalate	131-11-3	ND	10
2,4-Dinitrotoluene	121-14-2	ND	10
2,6-Dinitrotoluene	606-20-2	ND	10
Di-n-octylphthalate	117-84-0	ND	10
1,2-Diphenylhydrazine	122-66-7	ND	10
Fluoranthene	206-44-0	ND	10
Fluorene	86-73-7	ND	10
Hexachlorobenzene	118-74-1	ND	10
Hexachlorobutadiene	87-68-3	ND	10
Hexachlorocyclopentadiene	77-47-4	ND	10
Hexachloroethane	67-72-1	ND	10
Indeno(1,2,3-cd)pyrene	193-39-5	ND	10
Isophorone	78-59-1	ND	10
2-Methylnaphthalene	91-57-6	ND	10
Naphthalene	91-20-3	ND	10
2-Nitroaniline	88-74-4	ND	50
3-Nitroaniline	99-09-2	ND	50
4-Nitroaniline	100-01-6	ND	50
Nitrobenzene	98-95-3	ND	10
N-nitrosodimethylamine	62-75-9	ND	10
N-nitrosodiphenylamine	86-30-6	ND	10
N-nitroso-di-n-propylamine	621-64-7	ND	10
Phenanthrene	85-01-8	ND	10
Pyrene	129-00-0	ND	10
1,2,4-Trichlorobenzene	120-82-1	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: LF3-7503
CLIENT JOB NO: 1649
DATE SAMPLED: 02/06/90
DATE RECEIVED: 02/06/90
REPORT DATE: 02/28/90

MED-TOX LAB NO: 9002034-06C
MED-TOX JOB NO: 9002034
DATE EXTRACTED: 02/09/90
DATE ANALYZED: 02/11/90
INSTRUMENT: #11

EPA METHOD 8270

ACID EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
4-Chloro-3-methylphenol	59-50-7	ND	10
2-Chlorophenol	95-57-8	ND	10
2,4-Dichlorophenol	120-83-2	ND	10
2,4-Dimethylphenol	105-67-9	ND	10
4,6-Dinitro-2-methylphenol	534-52-1	ND	50
2,4-Dinitrophenol	51-28-5	ND	50
2-Methylphenol	95-48-7	ND	10
4-Methylphenol	106-44-5	ND	10
2-Nitrophenol	88-75-5	ND	10
4-Nitrophenol	100-02-7	ND	50
Pentachlorophenol	87-86-5	ND	50
Phenol	108-95-2	ND	10
2,4,5-Trichlorophenol	95-95-4	ND	10
2,4,6-Trichlorophenol	88-06-2	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: A15(3)A
CLIENT JOB NO: 1649
DATE SAMPLED: 01/25/90
DATE RECEIVED: 01/26/90
REPORT DATE: 02/21/90

MED-TOX LAB NO: 9001146-05A
MED-TOX JOB NO: 9001146
DATE EXTRACTED: 02/03/90
DATE ANALYZED: 02/05/90
INSTRUMENT: 11

EPA METHOD 8270
GC/MS EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Acenaphthene	83-32-9	ND	330
Acenaphthylene	208-96-8	ND	330
Anthracene	120-12-7	ND	330
Benzidine	92-87-5	ND	1,600
Benzoic Acid	65-85-0	ND	1,600
Benzo(a)anthracene	56-55-3	ND	330
Benzo(b)fluoranthene	205-99-2	ND	330
Benzo(k)fluoranthene	207-08-9	ND	330
Benzo(g,h,i)perylene	191-24-2	ND	330
Benzo(a)pyrene	50-32-8	ND	330
Benzyl Alcohol	100-51-6	ND	660
Bis(2-chloroethoxy) methane	111-91-1	ND	330
Bis(2-chloroethyl)ether	111-44-4	ND	330
Bis(2-chloroisopropyl) ether	39638-32-9	ND	330
Bis(2-ethylhexyl) phthalate	117-81-7	ND	330
4-Bromophenyl phenyl ether	101-55-3	ND	330
Butylbenzyl phthalate	85-68-7	ND	330
4-Chloroaniline	106-47-8	ND	660
2-Chloronaphthalene	91-58-7	ND	330
4-Chlorophenyl phenyl ether	7005-72-3	ND	330
Chrysene	218-01-9	ND	330
Dibenzo(a,h)anthracene	53-70-3	ND	330
Dibenzofuran	132-64-9	ND	330
Di-n-butylphthalate	84-74-2	ND	330
1,2-Dichlorobenzene	95-50-1	ND	330

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: A15(3)A
CLIENT JOB NO: 1649
DATE SAMPLED: 01/25/90
DATE RECEIVED: 01/26/90
REPORT DATE: 02/21/90

MED-TOX LAB NO: 9001146-05A
MED-TOX JOB NO: 9001146
DATE EXTRACTED: 02/03/90
DATE ANALYZED: 02/05/90
INSTRUMENT: 11

EPA METHOD 8270
GC/MS EXTRACTABLES (cont.)

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
1,3-Dichlorobenzene	541-73-1	ND	330
1,4-Dichlorobenzene	106-46-7	ND	330
3,3'-Dichlorobenzidine	91-94-1	ND	660
Diethylphthalate	84-66-2	ND	330
Dimethylphthalate	131-11-3	ND	330
2,4-Dinitrotoluene	121-14-2	ND	330
2,6-Dinitrotoluene	606-20-2	ND	330
Di-n-octylphthalate	117-84-0	ND	330
1,2-Diphenylhydrazine	122-66-7	ND	330
Fluoranthene	206-44-0	ND	330
Fluorene	86-73-7	ND	330
Hexachlorobenzene	118-74-1	ND	330
Hexachlorobutadiene	87-68-3	ND	330
Hexachlorocyclopentadiene	77-47-4	ND	330
Hexachloroethane	67-72-1	ND	330
Indeno(1,2,3-cd)pyrene	193-39-5	ND	330
Isophorone	78-59-1	ND	330
2-Methylnaphthalene	91-57-6	ND	330
Naphthalene	91-20-3	ND	330
2-Nitroaniline	88-74-4	ND	1,600
3-Nitroaniline	99-09-2	ND	1,600
4-Nitroaniline	100-01-6	ND	1,600
Nitrobenzene	98-95-3	ND	330
N-nitrosodimethylamine	62-75-9	ND	330
N-nitrosodiphenylamine	86-30-6	ND	330
N-nitroso-di-n-propylamine	621-64-7	ND	330
Phenanthrene	85-01-8	ND	330
Pyrene	129-00-0	ND	330
1,2,4-Trichlorobenzene	120-82-1	ND	330

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: A15(3)A
CLIENT JOB NO: 1649
DATE SAMPLED: 01/25/90
DATE RECEIVED: 01/26/90
REPORT DATE: 02/21/90

MED-TOX LAB NO: 9001146-05A
MED-TOX JOB NO: 9001146
DATE EXTRACTED: 02/03/90
DATE ANALYZED: 02/05/90
INSTRUMENT: 11

EPA METHOD 8270

GC/MS EXTRACTABLES (cont.)

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
4-Chloro-3-methylphenol	59-50-7	ND	330
2-Chlorophenol	95-57-8	ND	330
2,4-Dichlorophenol	120-83-2	ND	330
2,4-Dimethylphenol	105-67-9	ND	330
4,6-Dinitro-2-methylphenol	534-52-1	ND	1,600
2,4-Dinitrophenol	51-28-5	ND	1,600
2-Methylphenol	95-48-7	ND	330
4-Methylphenol	106-44-5	ND	330
2-Nitrophenol	88-75-5	ND	330
4-Nitrophenol	100-02-7	ND	1,600
Pentachlorophenol	87-86-5	ND	1,600
Phenol	108-95-2	ND	330
2,4,5-Trichlorophenol	95-95-4	ND	330
2,4,6-Trichlorophenol	88-06-2	ND	330

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: A15(4.5)B
CLIENT JOB NO: 1649
DATE SAMPLED: 01/25/90
DATE RECEIVED: 01/26/90
REPORT DATE: 02/21/90

MED-TOX LAB NO: 9001146-07A
MED-TOX JOB NO: 9001146
DATE EXTRACTED: 02/03/90
DATE ANALYZED: 02/05/90
INSTRUMENT: 11

EPA METHOD 8270
GC/MS EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Acenaphthene	83-32-9	ND	330
Acenaphthylene	208-96-8	ND	330
Anthracene	120-12-7	ND	330
Benzidine	92-87-5	ND	1,600
Benzoic Acid	65-85-0	ND	1,600
Benzo(a)anthracene	56-55-3	ND	330
Benzo(b)fluoranthene	205-99-2	ND	330
Benzo(k)fluoranthene	207-08-9	ND	330
Benzo(g,h,i)perylene	191-24-2	ND	330
Benzo(a)pyrene	50-32-8	ND	330
Benzyl Alcohol	100-51-6	ND	660
Bis(2-chloroethoxy) methane	111-91-1	ND	330
Bis(2-chloroethyl)ether	111-44-4	ND	330
Bis(2-chloroisopropyl) ether	39638-32-9	ND	330
Bis(2-ethylhexyl) phthalate	117-81-7	ND	330
4-Bromophenyl phenyl ether	101-55-3	ND	330
Butylbenzyl phthalate	85-68-7	ND	330
4-Chloroaniline	106-47-8	ND	660
2-Chloronaphthalene	91-58-7	ND	330
4-Chlorophenyl phenyl ether	7005-72-3	ND	330
Chrysene	218-01-9	ND	330
Dibenzo(a,h)anthracene	53-70-3	ND	330
Dibenzofuran	132-64-9	ND	330
Di-n-butylphthalate	84-74-2	ND	330
1,2-Dichlorobenzene	95-50-1	ND	330

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: A15(4.5)B
CLIENT JOB NO: 1649
DATE SAMPLED: 01/25/90
DATE RECEIVED: 01/26/90
REPORT DATE: 02/21/90

MED-TOX LAB NO: 9001146-07A
MED-TOX JOB NO: 9001146
DATE EXTRACTED: 02/03/90
DATE ANALYZED: 02/05/90
INSTRUMENT: 11

EPA METHOD 8270
GC/MS EXTRACTABLES (cont.)

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
1,3-Dichlorobenzene	541-73-1	ND	330
1,4-Dichlorobenzene	106-46-7	ND	330
3,3'-Dichlorobenzidine	91-94-1	ND	660
Diethylphthalate	84-66-2	ND	330
Dimethylphthalate	131-11-3	ND	330
2,4-Dinitrotoluene	121-14-2	ND	330
2,6-Dinitrotoluene	606-20-2	ND	330
Di-n-octylphthalate	117-84-0	ND	330
1,2-Diphenylhydrazine	122-66-7	ND	330
Fluoranthene	206-44-0	ND	330
Fluorene	86-73-7	ND	330
Hexachlorobenzene	118-74-1	ND	330
Hexachlorobutadiene	87-68-3	ND	330
Hexachlorocyclopentadiene	77-47-4	ND	330
Hexachloroethane	67-72-1	ND	330
Indeno(1,2,3-cd)pyrene	193-39-5	ND	330
Isophorone	78-59-1	ND	330
2-Methylnaphthalene	91-57-6	ND	330
Naphthalene	91-20-3	ND	330
2-Nitroaniline	88-74-4	ND	1,600
3-Nitroaniline	99-09-2	ND	1,600
4-Nitroaniline	100-01-6	ND	1,600
Nitrobenzene	98-95-3	ND	330
N-nitrosodimethylamine	62-75-9	ND	330
N-nitrosodiphenylamine	86-30-6	ND	330
N-nitroso-di-n-propylamine	621-64-7	ND	330
Phenanthrene	85-01-8	ND	330
Pyrene	129-00-0	ND	330
1,2,4-Trichlorobenzene	120-82-1	ND	330

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: A15(4.5)B
CLIENT JOB NO: 1649
DATE SAMPLED: 01/25/90
DATE RECEIVED: 01/26/90
REPORT DATE: 02/21/90

MED-TOX LAB NO: 9001146-07A
MED-TOX JOB NO: 9001146
DATE EXTRACTED: 02/03/90
DATE ANALYZED: 02/05/90
INSTRUMENT: 11

EPA METHOD 8270

GC/MS EXTRACTABLES (cont.)

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
4-Chloro-3-methylphenol	59-50-7	ND	330
2-Chlorophenol	95-57-8	ND	330
2,4-Dichlorophenol	120-83-2	ND	330
2,4-Dimethylphenol	105-67-9	ND	330
4,6-Dinitro-2-methylphenol	534-52-1	ND	1,600
2,4-Dinitrophenol	51-28-5	ND	1,600
2-Methylphenol	95-48-7	ND	330
4-Methylphenol	106-44-5	ND	330
2-Nitrophenol	88-75-5	ND	330
4-Nitrophenol	100-02-7	ND	1,600
Pentachlorophenol	87-86-5	ND	1,600
Phenol	108-95-2	ND	330
2,4,5-Trichlorophenol	95-95-4	ND	330
2,4,6-Trichlorophenol	88-06-2	ND	330

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: A15C
CLIENT JOB NO: 1649
DATE SAMPLED: 01/25/90
DATE RECEIVED: 01/26/90
REPORT DATE: 02/21/90

MED-TOX LAB NO: 9001147-01D
MED-TOX JOB NO: 9001147
DATE EXTRACTED: 01/29/90
DATE ANALYZED: 02/01/90
INSTRUMENT: 11

EPA METHOD 8270
BASE/NEUTRAL EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Acenaphthene	83-32-9	ND	10
Acenaphthylene	208-96-8	ND	10
Anthracene	120-12-7	ND	10
Benzidine	92-87-5	ND	50
Benzoic Acid	65-85-0	ND	50
Benzo(a)anthracene	56-55-3	ND	10
Benzo(b)fluoranthene	205-99-2	ND	10
Benzo(k)fluoranthene	207-08-9	ND	10
Benzo(g,h,i)perylene	191-24-2	ND	10
Benzo(a)pyrene	50-32-8	ND	10
Benzyl Alcohol	100-51-6	ND	20
Bis(2-chloroethoxy) methane	111-91-1	ND	10
Bis(2-chloroethyl)ether	111-44-4	ND	10
Bis(2-chloroisopropyl) ether	39638-32-9	ND	10
Bis(2-ethylhexyl) phthalate	117-81-7	ND	10
4-Bromophenyl phenyl ether	101-55-3	ND	10
Butylbenzyl phthalate	85-68-7	ND	10
4-Chloroaniline	106-47-8	ND	20
2-Chloronaphthalene	91-58-7	ND	10
4-Chlorophenyl phenyl ether	7005-72-3	ND	10
Chrysene	218-01-9	ND	10
Dibenzo(a,h)anthracene	53-70-3	ND	10
Dibenzofuran	132-64-9	ND	10
Di-n-butylphthalate	84-74-2	ND	10
1,2-Dichlorobenzene	95-50-1	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: A15C
CLIENT JOB NO: 1649
DATE SAMPLED: 01/25/90
DATE RECEIVED: 01/26/90
REPORT DATE: 02/21/90

MED-TOX LAB NO: 9001147-01D
MED-TOX JOB NO: 9001147
DATE EXTRACTED: 01/29/90
DATE ANALYZED: 02/01/90
INSTRUMENT: 11

EPA METHOD 8270
BASE/NEUTRAL EXTRACTABLES (cont.)

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
1,3-Dichlorobenzene	541-73-1	ND	10
1,4-Dichlorobenzene	106-46-7	ND	10
3,3'-Dichlorobenzidine	91-94-1	ND	20
Diethylphthalate	84-66-2	ND	10
Dimethylphthalate	131-11-3	ND	10
2,4-Dinitrotoluene	121-14-2	ND	10
2,6-Dinitrotoluene	606-20-2	ND	10
Di-n-octylphthalate	117-84-0	ND	10
1,2-Diphenylhydrazine	122-66-7	ND	10
Fluoranthene	206-44-0	ND	10
Fluorene	86-73-7	ND	10
Hexachlorobenzene	118-74-1	ND	10
Hexachlorobutadiene	87-68-3	ND	10
Hexachlorocyclopentadiene	77-47-4	ND	10
Hexachloroethane	67-72-1	ND	10
Indeno(1,2,3-cd)pyrene	193-39-5	ND	10
Isophorone	78-59-1	ND	10
2-Methylnaphthalene	91-57-6	ND	10
Naphthalene	91-20-3	ND	10
2-Nitroaniline	88-74-4	ND	50
3-Nitroaniline	99-09-2	ND	50
4-Nitroaniline	100-01-6	ND	50
Nitrobenzene	98-95-3	ND	10
N-nitrosodimethylamine	62-75-9	ND	10
N-nitrosodiphenylamine	86-30-6	ND	10
N-nitroso-di-n-propylamine	621-64-7	ND	10
Phenanthrene	85-01-8	ND	10
Pyrene	129-00-0	ND	10
1,2,4-Trichlorobenzene	120-82-1	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: A15C
CLIENT JOB NO: 1649
DATE SAMPLED: 01/25/90
DATE RECEIVED: 01/26/90
REPORT DATE: 02/21/90

MED-TOX LAB NO: 9001147-01D
MED-TOX JOB NO: 9001147
DATE EXTRACTED: 01/29/90
DATE ANALYZED: 02/01/90
INSTRUMENT: 11

EPA METHOD 8270

ACID EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
4-Chloro-3-methylphenol	59-50-7	ND	10
2-Chlorophenol	95-57-8	ND	10
2,4-Dichlorophenol	120-83-2	ND	10
2,4-Dimethylphenol	105-67-9	ND	10
4,6-Dinitro-2-methylphenol	534-52-1	ND	50
2,4-Dinitrophenol	51-28-5	ND	50
2-Methylphenol	95-48-7	ND	10
4-Methylphenol	106-44-5	ND	10
2-Nitrophenol	88-75-5	ND	10
4-Nitrophenol	100-02-7	ND	50
Pentachlorophenol	87-86-5	ND	50
Phenol	108-95-2	ND	10
2,4,5-Trichlorophenol	95-95-4	ND	10
2,4,6-Trichlorophenol	88-06-2	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: LF-4-7501
CLIENT JOB NO: 1649
DATE SAMPLED: 02/07/90
DATE RECEIVED: 02/09/90
REPORT DATE: 03/02/90

MED-TOX LAB NO: 9002064-02F
MED-TOX JOB NO: 9002064
DATE EXTRACTED: 02/13/90
DATE ANALYZED: 02/19/90
INSTRUMENT: 11

EPA METHOD 8270
BASE/NEUTRAL EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Acenaphthene	83-32-9	ND	10
Acenaphthylene	208-96-8	ND	10
Anthracene	120-12-7	ND	10
Benzidine	92-87-5	ND	50
Benzoic Acid	65-85-0	ND	50
Benzo(a)anthracene	56-55-3	ND	10
Benzo(b)fluoranthene	205-99-2	ND	10
Benzo(k)fluoranthene	207-08-9	ND	10
Benzo(g,h,i)perylene	191-24-2	ND	10
Benzo(a)pyrene	50-32-8	ND	10
Benzyl Alcohol	100-51-6	ND	20
Bis(2-chloroethoxy) methane	111-91-1	ND	10
Bis(2-chloroethyl)ether	111-44-4	ND	10
Bis(2-chloroisopropyl) ether	108-60-1	ND	10
Bis(2-ethylhexyl) phthalate	117-81-7	ND	10
4-Bromophenyl phenyl ether	101-55-3	ND	10
Butylbenzyl phthalate	85-68-7	ND	10
4-Chloroaniline	106-47-8	ND	20
2-Chloronaphthalene	91-58-7	ND	10
4-Chlorophenyl phenyl ether	7005-72-3	ND	10
Chrysene	218-01-9	ND	10
Dibenzo(a,h)anthracene	53-70-3	ND	10
Dibenzofuran	132-64-9	ND	10
Di-n-butylphthalate	84-74-2	ND	10
1,2-Dichlorobenzene	95-50-1	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: LF-4-7501
CLIENT JOB NO: 1649
DATE SAMPLED: 02/07/90
DATE RECEIVED: 02/09/90
REPORT DATE: 03/02/90

MED-TOX LAB NO: 9002064-02F
MED-TOX JOB NO: 9002064
DATE EXTRACTED: 02/13/90
DATE ANALYZED: 02/19/90
INSTRUMENT: 11

EPA METHOD 8270
BASE/NEUTRAL EXTRACTABLES (cont.)

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
1,3-Dichlorobenzene	541-73-1	ND	10
1,4-Dichlorobenzene	106-46-7	ND	10
3,3'-Dichlorobenzidine	91-94-1	ND	20
Diethylphthalate	84-66-2	ND	10
Dimethylphthalate	131-11-3	ND	10
2,4-Dinitrotoluene	121-14-2	ND	10
2,6-Dinitrotoluene	606-20-2	ND	10
Di-n-octylphthalate	117-84-0	ND	10
1,2-Diphenylhydrazine	122-66-7	ND	10
Fluoranthene	206-44-0	ND	10
Fluorene	86-73-7	ND	10
Hexachlorobenzene	118-74-1	ND	10
Hexachlorobutadiene	87-68-3	ND	10
Hexachlorocyclopentadiene	77-47-4	ND	10
Hexachloroethane	67-72-1	ND	10
Indeno(1,2,3-cd)pyrene	193-39-5	ND	10
Isophorone	78-59-1	ND	10
2-Methylnaphthalene	91-57-6	ND	10
Naphthalene	91-20-3	ND	10
2-Nitroaniline	88-74-4	ND	50
3-Nitroaniline	99-09-2	ND	50
4-Nitroaniline	100-01-6	ND	50
Nitrobenzene	98-95-3	ND	10
N-nitrosodimethylamine	62-75-9	ND	10
N-nitrosodiphenylamine	86-30-6	ND	10
N-nitroso-di-n-propylamine	621-64-7	ND	10
Phenanthrene	85-01-8	ND	10
Pyrene	129-00-0	ND	10
1,2,4-Trichlorobenzene	120-82-1	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: LF-4-7501
CLIENT JOB NO: 1649
DATE SAMPLED: 02/07/90
DATE RECEIVED: 02/09/90
REPORT DATE: 03/02/90

MED-TOX LAB NO: 9002064-02F
MED-TOX JOB NO: 9002064
DATE EXTRACTED: 02/13/90
DATE ANALYZED: 02/19/90
INSTRUMENT: 11

EPA METHOD 8270

ACID EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
4-Chloro-3-methylphenol	59-50-7	ND	10
2-Chlorophenol	95-57-8	ND	10
2,4-Dichlorophenol	120-83-2	ND	10
2,4-Dimethylphenol	105-67-9	ND	10
4,6-Dinitro-2-methylphenol	534-52-1	ND	50
2,4-Dinitrophenol	51-28-5	ND	50
2-Methylphenol	95-48-7	ND	10
4-Methylphenol	106-44-5	ND	10
2-Nitrophenol	88-75-5	ND	10
4-Nitrophenol	100-02-7	ND	50
Pentachlorophenol	87-86-5	ND	50
Phenol	108-95-2	ND	10
2,4,5-Trichlorophenol	95-95-4	ND	10
2,4,6-Trichlorophenol	88-06-2	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: LF-6-7501
CLIENT JOB NO: 1649
DATE SAMPLED: 02/07/90
DATE RECEIVED: 02/09/90
REPORT DATE: 03/02/90

MED-TOX LAB NO: 9002064-03F
MED-TOX JOB NO: 9002064
DATE EXTRACTED: 02/13/90
DATE ANALYZED: 02/19/90
INSTRUMENT: 11

EPA METHOD 8270
BASE/NEUTRAL EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Acenaphthene	83-32-9	ND	10
Acenaphthylene	208-96-8	ND	10
Anthracene	120-12-7	ND	10
Benzidine	92-87-5	ND	50
Benzoic Acid	65-85-0	ND	50
Benzo(a)anthracene	56-55-3	ND	10
Benzo(b)fluoranthene	205-99-2	ND	10
Benzo(k)fluoranthene	207-08-9	ND	10
Benzo(g,h,i)perylene	191-24-2	ND	10
Benzo(a)pyrene	50-32-8	ND	10
Benzyl Alcohol	100-51-6	ND	20
Bis(2-chloroethoxy) methane	111-91-1	ND	10
Bis(2-chloroethyl)ether	111-44-4	ND	10
Bis(2-chloroisopropyl) ether	108-60-1	ND	10
Bis(2-ethylhexyl) phthalate	117-81-7	ND	10
4-Bromophenyl phenyl ether	101-55-3	ND	10
Butylbenzyl phthalate	85-68-7	ND	10
4-Chloroaniline	106-47-8	ND	20
2-Chloronaphthalene	91-58-7	ND	10
4-Chlorophenyl phenyl ether	7005-72-3	ND	10
Chrysene	218-01-9	ND	10
Dibenzo(a,h)anthracene	53-70-3	ND	10
Dibenzofuran	132-64-9	ND	10
Di-n-butylphthalate	84-74-2	ND	10
1,2-Dichlorobenzene	95-50-1	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: LF-6-7501
CLIENT JOB NO: 1649
DATE SAMPLED: 02/07/90
DATE RECEIVED: 02/09/90
REPORT DATE: 03/02/90

MED-TOX LAB NO: 9002064-03F
MED-TOX JOB NO: 9002064
DATE EXTRACTED: 02/13/90
DATE ANALYZED: 02/19/90
INSTRUMENT: 11

EPA METHOD 8270
BASE/NEUTRAL EXTRACTABLES (cont.)

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
1,3-Dichlorobenzene	541-73-1	ND	10
1,4-Dichlorobenzene	106-46-7	ND	10
3,3'-Dichlorobenzidine	91-94-1	ND	20
Diethylphthalate	84-66-2	ND	10
Dimethylphthalate	131-11-3	ND	10
2,4-Dinitrotoluene	121-14-2	ND	10
2,6-Dinitrotoluene	606-20-2	ND	10
Di-n-octylphthalate	117-84-0	ND	10
1,2-Diphenylhydrazine	122-66-7	ND	10
Fluoranthene	206-44-0	ND	10
Fluorene	86-73-7	ND	10
Hexachlorobenzene	118-74-1	ND	10
Hexachlorobutadiene	87-68-3	ND	10
Hexachlorocyclopentadiene	77-47-4	ND	10
Hexachloroethane	67-72-1	ND	10
Indeno(1,2,3-cd)pyrene	193-39-5	ND	10
Isophorone	78-59-1	ND	10
2-Methylnaphthalene	91-57-6	ND	10
Naphthalene	91-20-3	ND	10
2-Nitroaniline	88-74-4	ND	50
3-Nitroaniline	99-09-2	ND	50
4-Nitroaniline	100-01-6	ND	50
Nitrobenzene	98-95-3	ND	10
N-nitrosodimethylamine	62-75-9	ND	10
N-nitrosodiphenylamine	86-30-6	ND	10
N-nitroso-di-n-propylamine	621-64-7	ND	10
Phenanthrene	85-01-8	ND	10
Pyrene	129-00-0	ND	10
1,2,4-Trichlorobenzene	120-82-1	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: LF-6-7501
CLIENT JOB NO: 1649
DATE SAMPLED: 02/07/90
DATE RECEIVED: 02/09/90
REPORT DATE: 03/02/90

MED-TOX LAB NO: 9002064-03F
MED-TOX JOB NO: 9002064
DATE EXTRACTED: 02/13/90
DATE ANALYZED: 02/19/90
INSTRUMENT: 11

EPA METHOD 8270

ACID EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
4-Chloro-3-methylphenol	59-50-7	ND	10
2-Chlorophenol	95-57-8	ND	10
2,4-Dichlorophenol	120-83-2	ND	10
2,4-Dimethylphenol	105-67-9	ND	10
4,6-Dinitro-2-methylphenol	534-52-1	ND	50
2,4-Dinitrophenol	51-28-5	ND	50
2-Methylphenol	95-48-7	ND	10
4-Methylphenol	106-44-5	ND	10
2-Nitrophenol	88-75-5	ND	10
4-Nitrophenol	100-02-7	ND	50
Pentachlorophenol	87-86-5	ND	50
Phenol	108-95-2	ND	10
2,4,5-Trichlorophenol	95-95-4	ND	10
2,4,6-Trichlorophenol	88-06-2	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: LF-6D-7501
CLIENT JOB NO: 1649
DATE SAMPLED: 02/07/90
DATE RECEIVED: 02/09/90
REPORT DATE: 03/02/90

MED-TOX LAB NO: 9002064-04E
MED-TOX JOB NO: 9002064
DATE EXTRACTED: 02/13/90
DATE ANALYZED: 02/19/90
INSTRUMENT: 11

EPA METHOD 8270
BASE/NEUTRAL EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
Acenaphthene	83-32-9	ND	10
Acenaphthylene	208-96-8	ND	10
Anthracene	120-12-7	ND	10
Benzidine	92-87-5	ND	50
Benzoic Acid	65-85-0	ND	50
Benzo(a)anthracene	56-55-3	ND	10
Benzo(b)fluoranthene	205-99-2	ND	10
Benzo(k)fluoranthene	207-08-9	ND	10
Benzo(g,h,i)perylene	191-24-2	ND	10
Benzo(a)pyrene	50-32-8	ND	10
Benzyl Alcohol	100-51-6	ND	20
Bis(2-chloroethoxy) methane	111-91-1	ND	10
Bis(2-chloroethyl)ether	111-44-4	ND	10
Bis(2-chloroisopropyl) ether	108-60-1	ND	10
Bis(2-ethylhexyl) phthalate	117-81-7	ND	10
4-Bromophenyl phenyl ether	101-55-3	ND	10
Butylbenzyl phthalate	85-68-7	ND	10
4-Chloroaniline	106-47-8	ND	20
2-Chloronaphthalene	91-58-7	ND	10
4-Chlorophenyl phenyl ether	7005-72-3	ND	10
Chrysene	218-01-9	ND	10
Dibenzo(a,h)anthracene	53-70-3	ND	10
Dibenzofuran	132-64-9	ND	10
Di-n-butylphthalate	84-74-2	ND	10
1,2-Dichlorobenzene	95-50-1	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: LF-6D-7501
CLIENT JOB NO: 1649
DATE SAMPLED: 02/07/90
DATE RECEIVED: 02/09/90
REPORT DATE: 03/02/90

MED-TOX LAB NO: 9002064-04E
MED-TOX JOB NO: 9002064
DATE EXTRACTED: 02/13/90
DATE ANALYZED: 02/19/90
INSTRUMENT: 11

EPA METHOD 8270
BASE/NEUTRAL EXTRACTABLES (cont.)

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
1,3-Dichlorobenzene	541-73-1	ND	10
1,4-Dichlorobenzene	106-46-7	ND	10
3,3'-Dichlorobenzidine	91-94-1	ND	20
Diethylphthalate	84-66-2	ND	10
Dimethylphthalate	131-11-3	ND	10
2,4-Dinitrotoluene	121-14-2	ND	10
2,6-Dinitrotoluene	606-20-2	ND	10
Di-n-octylphthalate	117-84-0	ND	10
1,2-Diphenylhydrazine	122-66-7	ND	10
Fluoranthene	206-44-0	ND	10
Fluorene	86-73-7	ND	10
Hexachlorobenzene	118-74-1	ND	10
Hexachlorobutadiene	87-68-3	ND	10
Hexachlorocyclopentadiene	77-47-4	ND	10
Hexachloroethane	67-72-1	ND	10
Indeno(1,2,3-cd)pyrene	193-39-5	ND	10
Isophorone	78-59-1	ND	10
2-Methylnaphthalene	91-57-6	ND	10
Naphthalene	91-20-3	ND	10
2-Nitroaniline	88-74-4	ND	50
3-Nitroaniline	99-09-2	ND	50
4-Nitroaniline	100-01-6	ND	50
Nitrobenzene	98-95-3	ND	10
N-nitrosodimethylamine	62-75-9	ND	10
N-nitrosodiphenylamine	86-30-6	ND	10
N-nitroso-di-n-propylamine	621-64-7	ND	10
Phenanthrene	85-01-8	ND	10
Pyrene	129-00-0	ND	10
1,2,4-Trichlorobenzene	120-82-1	ND	10

ND = Not Detected

LEVINE-FRICKE

CLIENT ID: LF-6D-7501
CLIENT JOB NO: 1649
DATE SAMPLED: 02/07/90
DATE RECEIVED: 02/09/90
REPORT DATE: 03/02/90

MED-TOX LAB NO: 9002064-04E
MED-TOX JOB NO: 9002064
DATE EXTRACTED: 02/13/90
DATE ANALYZED: 02/19/90
INSTRUMENT: 11

EPA METHOD 8270

ACID EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
4-Chloro-3-methylphenol	59-50-7	ND	10
2-Chlorophenol	95-57-8	ND	10
2,4-Dichlorophenol	120-83-2	ND	10
2,4-Dimethylphenol	105-67-9	ND	10
4,6-Dinitro-2-methylphenol	534-52-1	ND	50
2,4-Dinitrophenol	51-28-5	ND	50
2-Methylphenol	95-48-7	ND	10
4-Methylphenol	106-44-5	ND	10
2-Nitrophenol	88-75-5	ND	10
4-Nitrophenol	100-02-7	ND	50
Pentachlorophenol	87-86-5	ND	50
Phenol	108-95-2	ND	10
2,4,5-Trichlorophenol	95-95-4	ND	10
2,4,6-Trichlorophenol	88-06-2	ND	10

ND = Not Detected