

**Quarterly Monitoring Report for  
October 1 through December 31, 1997  
East Baybridge Center  
Emeryville and Oakland, California**

**January 30, 1998  
1649.97-002**

Prepared for  
Catellus Development Corporation  
201 Mission Street  
San Francisco, California 94105

 **Levine·Fricke·Recon**  
ENGINEERS, HYDROGEOLOGISTS & APPLIED SCIENTISTS

January 30, 1998

1649.97-002

Ms. Susan Hugo  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Second Floor  
Alameda, California 94502

Subject: Quarterly Monitoring Report for October 1 through December 31, 1997, East Baybridge Center, Emeryville and Oakland, California

Dear Ms. Hugo:

This report presents the results of quarterly groundwater monitoring by Levine·Fricke·Recon Inc. (LFR) on behalf of Catellus Development Corporation for October 1 through December 31, 1997, at the Yerba Buena/East Baybridge Center in Emeryville and Oakland, California.

Monitoring was conducted in accordance with LFR's "Groundwater Monitoring Plan for the East Baybridge Center, Emeryville and Oakland, California," submitted to the Alameda County Health Care Services Agency on December 19, 1994.

If you have any questions or comments concerning this report, please call me.

Sincerely,



Ron Goloubow  
Senior Project Geologist

Enclosure

cc: James Adams, Catellus Development  
Sumadhu Arigala, Regional Water Quality Control Board

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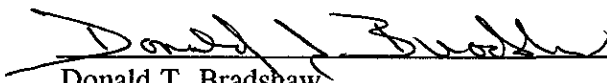
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## CERTIFICATION

All hydrogeologic and geologic information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by a Levine·Fricke·Recon Inc. California Registered Geologist.



Donald T. Bradshaw  
Principal Hydrogeologist  
California Registered Geologist (5300)

2/2/98  
Date

## 1.0 INTRODUCTION

This report presents the results of groundwater monitoring by Levine·Fricke·Recon Inc. (LFR) during the quarterly period from October 1 through December 31, 1997, at the East Baybridge Center in Emeryville and Oakland, California ("the Site"; Figure 1). LFR is performing groundwater monitoring and submitting this report on behalf of the Catellus Development Corporation ("Catellus") in accordance with a December 19, 1994 groundwater monitoring plan submitted to the Alameda County Health Care Services Agency (ACHCSA; LFR 1994c).

The Site covers approximately 51 acres, is partially developed, and is undergoing further development. To aid in organizing environmental investigation, remediation, and monitoring, the Site has been divided into Areas A, B, and C (Figure 2).

A request for closure for the former Bay Area Warehouse and former Bashland Company sites located on Area C at the Site was sent to the ACHCSA on June 3, 1997. Based on a conversation with Ms. Susan Hugo of the ACHCSA during the week of June 16, 1997, samples were not collected from these sites during this quarterly period.

Quarterly monitoring at the Site includes measuring water levels in accessible wells and collecting groundwater samples from selected wells to monitor volatile organic compound (VOC) concentrations in groundwater and assess the effectiveness of a groundwater extraction system installed at the Site during the summer of 1994. In addition, soils affected with total petroleum hydrocarbons (TPH) have been contained on site beneath building pads, and monitoring data are being collected to assess possible effects on groundwater quality beneath the Site from the contained soils.

## 2.0 BACKGROUND

From the early 1900s to approximately 1990, the Site was used by a variety of industrial and commercial businesses. These businesses included warehouse storage of predominantly dry goods and limited quantities of hazardous materials (oxides and acids [a complete record of materials stored at the Site is not available]); metal foundries; truck maintenance and repair; an auto storage and wrecking yard; a construction yard; and several passenger and freight rail lines.

In preparation for site development, LFR began environmental investigations at the Site on behalf of Catellus in September 1989. Site investigation and remediation continued for about five years. Results of Phase I and Phase II investigations indicated that VOCs were present in shallow groundwater beneath the Site. During site development, underground storage tanks (USTs) were excavated at several locations across the Site. Groundwater monitoring wells were installed in the vicinity of the former UST locations (Figure 2) to monitor groundwater quality, in accordance with agency guidelines.

## 2.1 Areas A and B

As illustrated on Figure 2, Area A and a portion of Area B have been developed for commercial use, including a large retail store, several smaller retail stores, and two large parking areas. Areas north of the parking lots and west of Emery Street are in the process of being developed into apartments.

A groundwater monitoring program was implemented at the Site in January 1992 to monitor VOC concentrations in groundwater in Area A. To reduce the potential for off-site migration of shallow VOC-affected groundwater, a groundwater extraction and treatment system was installed in Area A (Figure 2). This extraction system began operation in August 1994. Details regarding the operation of the extraction and treatment system are presented in an LFR quarterly self-monitoring report submitted semiannually to the East Bay Municipal Utilities District.

Approximately 25,000 cubic yards of petroleum hydrocarbon-affected soil were excavated from Area B and contained beneath building pads in Areas A and B in accordance with an LFR containment plan (LFR 1992a). The removal of soil from this area of the Site was described in LFR's soil remediation activities report for the Site (LFR 1992b). To assess groundwater quality in Areas A and B, five monitoring wells were installed and sampled on a quarterly basis for over a year. In response to a request from the Regional Water Quality Control Board (RWQCB), LFR prepared a soils management plan for the contained soils (LFR 1994b). The plan outlined periodic groundwater monitoring to evaluate the possible effects on groundwater from soils contained at the Site.

## 2.2 Area C

Area C (the area west of Hollis Street) has been developed for commercial use, including the construction of two retail stores and large parking areas. One smaller retail store has yet to be constructed in this portion of the development.

VOCs have been detected in groundwater samples collected in Area C of the Site. The distribution of VOCs detected indicates that the VOCs have likely migrated from an off-site source. The RWQCB concurs with this conclusion, according to its letter to Catellus and others dated May 11, 1994.

Several USTs were identified at various locations within Area C during environmental investigations and site grading. Groundwater monitoring wells were installed following the excavation of some of these USTs. These groundwater monitoring wells (LF-31 and LF-32, installed at the former Bashland and Bay Area Warehouse properties, respectively) were monitored on a quarterly basis until they were destroyed during site development in June 1994, along with the other wells located west of Hollis Street (except well LF-13).

Replacement wells for those wells (MW-31R and MW-32R) were installed in December 1995. In addition, well MW-12R was installed downgradient from (west of) USTs formerly located along Beach Street, to monitor groundwater quality in that area. Wells MW-10R and MW-34R were installed at locations presented on Figure 2 to monitor possible on-site migration of VOCs from a known source located north of the property.

### 3.0 GROUNDWATER ELEVATIONS AND FLOW DIRECTION

On January 2, 1998, depth to water was measured in all accessible on- and off-site wells to the nearest 0.01 foot using an electric water-level sounding probe. Table 1 summarizes the depth-to-water and groundwater elevation data collected. Depth to groundwater in shallow wells (less than 25 feet deep) ranged from 6.60 feet below ground surface (bgs) in well MW-10 to 15.33 bgs in well MW-9.

#### 3.1 Areas A and B

Figure 2 is a groundwater elevation contour map illustrating water levels measured on January 2, 1998. As illustrated, the direction of shallow groundwater flow beneath Areas A and B of the Site is toward the west-southwest, in the direction of the groundwater extraction wells (EX-3 and EX-4) and the groundwater collection trench. The hydraulic gradient across this portion of the Site is 0.013 foot per foot (ft/ft), as measured between wells MW-2 and MW-9. The direction and gradient are generally consistent with the groundwater flow direction previously reported at the Site (LFR 1996).

Because of restricted flow at the carbon vessels in the treatment system, the flow rates of the extraction wells and collection trench were reduced at the time of water-level measurement. Because of the restricted flow, water levels in the extraction wells and collection trench are higher than observed in past quarters. The influence of pumping in the vicinity of these locations on the groundwater flow pattern is illustrated in Figure 2. This temporary condition has been remedied by maintenance at the treatment system and pumping rates have returned to previous levels.

#### 3.2 Area C

As illustrated in Figure 3, the direction of shallow groundwater flow beneath Area C of the Site is toward the west. The hydraulic gradient across this portion of the Site is 0.008 ft/ft, as measured between wells MW-31R and MW-12R. The direction and gradient are consistent with the groundwater flow direction previously reported at the Site (LFR 1996).



## 4.0 GROUNDWATER SAMPLING AND ANALYSIS

LFR personnel collected groundwater samples on December 11 and 12, 1997, for chemical analysis. A total of 16 samples were collected from 13 shallow groundwater monitoring wells (less than 25 feet bgs; MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10R, MW-12R, MW-34R, LF-22, and LF-23), two shallow extraction wells (less than 25 feet bgs; EX-3 and EX-4), and the collection trench. A total of five samples were collected from three intermediate-depth wells (30 to 45 feet bgs; MW-6D, MW-7D, and MW-9D) and one deeper well (50 to 65 feet bgs; MW-7Z).

Before groundwater samples were collected, 3 to 4 well volumes of water was purged from each well in accordance with field procedures for quarterly groundwater sampling described in Appendix A. During purging, indicator parameters such as pH, temperature, and specific conductance were recorded on water-quality sampling sheets. After collection, samples were submitted to American Environmental Network (AEN), a California state certified laboratory, located in Pleasant Hill, California, under strict chain-of-custody protocols.

Samples were analyzed as follows:

- Samples from wells MW-3, MW-4, MW-5, MW-6, MW-6D, MW-7, MW-7D, MW-7Z, MW-8, MW-9, MW-9D, MW-10R, MW-12R, MW-34R, LF-22, LF-23, EX-3, EX-4, and the groundwater collection trench were analyzed for VOCs using EPA Method 8010.
- Samples from wells MW-3, MW-4, MW-5, MW-6, MW-7, MW-12R, EX-3, EX-4, and the collection trench were analyzed for TPH as diesel (TPHd; carbon chain length C<sub>12</sub> to C<sub>22</sub>), and TPH as oil (TPHo; carbon chain length C<sub>22</sub> to C<sub>36</sub>) in accordance with the Soils Management Plan (LFR 1994b).
- The sample from well MW-2 was analyzed for TPHd. This sample was also analyzed for TPH as gasoline (TPHg) and benzene, toluene, ethylbenzene, and total xylenes (BTEX) to monitor whether TPHg-affected groundwater is migrating onto the Site. Results of chemical analyses are discussed in Section 5.0.

For quality assurance/quality control (QA/QC) purposes, a duplicate sample was collected from well MW-9D and analyzed for VOCs. Results of the duplicate sample were similar to results of the primary sample. Summaries of the analytical and sampling QA/QC for samples collected during this quarterly monitoring period are included as Tables 2A and 2B.

## 5.0 GROUNDWATER QUALITY

Table 3 summarizes the analytical results for groundwater samples collected.

## 5.1 Volatile Organic Compounds

In general, the concentrations of VOCs detected in samples collected during this monitoring period are within the same order of magnitude as samples previously collected at the Site (Table 3). No VOCs were detected at concentrations above method detection limits in groundwater samples collected from shallow wells LF-22, MW-3, and MW-8, or from deeper wells MW-6D and MW-7Z.

1,1-Dichloroethene (1,1-DCE) was detected in samples collected from four shallow wells at concentrations ranging from 0.0081 parts per million (ppm; well MW-7) to 0.210 ppm (well MW-6) and at concentrations of 0.083 ppm, 0.097 ppm, and 0.075 ppm in samples from shallow extraction wells EX-3 and EX-4 and the collection trench, respectively. 1,1-DCE was detected in samples collected from two of the deeper wells, MW-7D and MW-9D, at a concentration of 0.0081 ppm and 0.0025 ppm, respectively.

Trichloroethene (TCE) was detected in the samples collected from three shallow monitoring wells at concentrations ranging from 0.0012 ppm (well MW-34R) to 0.420 ppm (well MW-10R) and at 0.0006 ppm in the collection trench.

Tetrachloroethene (PCE) was detected in samples collected from shallow monitoring well MW-5 at a concentration of 0.0019 ppm and off-site well LF-23 at 0.0019 ppm. Concentrations of PCE were detected in the samples collected from shallow extraction wells EX-3 (0.0050 ppm), EX-4 (0.014 ppm), and the collection trench (0.0040 ppm). PCE was not detected in the samples collected from remaining shallow or deeper wells sampled during the current monitoring event.

1,1,1-Trichloroethane (1,1,1-TCA) was detected in samples collected from shallow monitoring wells MW-6, and MW-9 at concentrations of 0.020 ppm and 0.005, respectively. 1,1,1-TCA was also detected in samples collected from shallow extraction wells EX-3 (0.0079 ppm), EX-4 (0.007 ppm), and the collection trench (0.0063 ppm).

Vinyl chloride was detected in the sample collected from shallow monitoring well MW-10R at a concentration of 0.006 ppm.

## 5.2 Total Petroleum Hydrocarbons

TPHd was detected in samples collected from seven wells analyzed this monitoring period at concentrations ranging from 0.06 ppm (MW-5, MW-7, and EX-3) to 0.44 ppm (MW-12R). TPHg was detected at 1.7 ppm in the sample collected from well MW-2. The sample collected from well MW-2 contained benzene (0.016 ppm), toluene (0.001 ppm), ethylbenzene (0.061 ppm), and total xylenes (0.106 ppm).

### 5.2.1 Former Bashland Company Property

Well LF-31 was replaced by well LF-31R in November 1995. The replacement well was installed within 20 feet of the original well's location. Samples are collected from this well to monitor groundwater quality in the vicinity of a UST formerly located at the former Bashland property. This well was not sampled this quarter pending the response to a request for case closure that was submitted to the ACHCSA on June 3, 1997, and a telephone conversation with Ms. Susan Hugo during the week of June 16, 1997.

### 5.2.2 Former Bay Area Warehouse Property

Well LF-32 was replaced by well LF-32R in November 1995. The location of LF-32R was selected based on survey information, and is less than 20 feet from the former location of LF-32. Samples are collected from this well to monitor groundwater quality in the vicinity of a UST formerly located at the former Bay Area Warehouse property. This well was not sampled this quarter pending the response to a request for case closure that was submitted to the ACHCSA on June 3, 1997, and a telephone conversation with Ms. Susan Hugo during the week of June 16, 1997.

## 6.0 SUMMARY

Groundwater gradient and flow direction measured in January 1998 are generally consistent with the groundwater flow direction previously reported for the Site (LFR 1996) with the exception of the vicinity of the collection trench and the extraction wells. Because of restricted flow at the system, the wells were pumping slowly and water levels measured in the wells was higher than in past quarters.

Analytical results for groundwater samples collected in December 1997 are similar to results previously reported for the Site (Table 3). Results indicate that the plume of VOC-affected groundwater likely extends to the north between wells MW-3 and MW-6 and to the south between wells MW-7 and MW-8. The plume extends approximately 800 feet southwest (downgradient) from well MW-6 toward the extraction wells and collection trench, and is approximately 300 feet wide. Analytical results for samples collected from wells LF-22 and LF-23 indicate that the groundwater extraction and treatment system has been successful in reducing the migration of VOC-affected groundwater present at Area A of the Site. Analysis of samples from well MW-2 indicate that TPHg-affected groundwater is migrating onto the property from the east.

Samples collected from deeper zone well MW-9D detected the presence of VOCs at low concentration (0.0025 ppm 1,1-DCE). 1,1-DCE was previously detected in a sample collected from this well in December 1996. This well will be monitored during the first quarter of 1998 to confirm these results.

## 7.0 ACTIVITIES PROPOSED FROM JANUARY TO MARCH 1998

Groundwater monitoring planned for January through March 1998 includes water-level measurements and quarterly groundwater sampling. The sampling schedule is summarized in Table 3. LFR anticipates submitting a report summarizing those activities to the ACHCSA by April 30, 1997. Additionally, LFR anticipates submitting a revised monitoring plan during the first quarter of 1998. The revised plan will propose changing the monitoring frequency to semiannually (twice per year) in the first and third quarters.

## 8.0 REFERENCES

- LFR. 1992a. Containment Plan for Total Petroleum Hydrocarbon-Affected Soils, Yerba Buena Project Site, Emeryville and Oakland, California. March 10.
- . 1992b. Soil Remediation Activities Report, Former Ransome Property, Yerba Buena Project Site, Emeryville, California. March 21.
- . 1994a. Groundwater Monitoring Plan, East Baybridge Center, Emeryville and Oakland, California. March 19.
- . 1994b. Soils Management Plan for Petroleum Hydrocarbon-Affected Soils, Yerba Buena/East Baybridge Center, Emeryville and Oakland, California. November 30.
- . 1994c. Groundwater Monitoring Plan, East Baybridge Center, Emeryville and Oakland, California. December 19.
- . 1996. Quarterly Monitoring Report for October 1 through December 31, 1996, East Baybridge Center, Emeryville and Oakland, California. July 31.

**Table 1**  
**Well Construction and Groundwater Elevation Data**  
**East Baybridge Center**  
**Emeryville and Oakland, California**

Well Number	Well Elevation (1)	Well Depth (2)	Screened Interval (2)	Date Measured	Depth to Water	Groundwater Elevation (3)
<b>Shallow Wells</b>						
MW-1	27.47	30	15-30	12-Sep-94	14.88	12.59
				30-Nov-94	14.61	12.86
				16-Feb-95	14.73	12.74
				08-May-95	14.55	12.92
				30-Aug-95	14.62	12.85
				19-Dec-95	13.38	14.09
				26-Feb-96	14.27	13.20
				29-Apr-96	14.69	12.78
				03-Sep-96	14.70	12.77
				13-Dec-96	(4)	
MW-2	37.23	18	8-18	12-Sep-94	8.00	29.23
				30-Nov-94	6.84	30.39
				16-Feb-95	6.84	30.39
				08-May-95	7.08	30.15
				30-Aug-95	9.03	28.20
				19-Dec-95	6.95	30.28
				26-Feb-96	6.62	30.61
				29-Apr-96	7.92	29.31
				03-Sep-96	8.10	29.13
				13-Dec-96	6.59	30.64
				18-Feb-97	7.60	29.63
				26-May-97	8.16	29.07
				21-Aug-97	7.06	30.17
02-Jan-98	7.87	29.36				
MW-3	32.05	25	14-25	12-Sep-94	9.88	22.17
				30-Nov-94	9.96	22.09
				16-Feb-95	9.24	22.81
				08-May-95	9.82	22.23
				30-Aug-95	11.75	20.30
				19-Dec-95	9.65	22.40
				26-Feb-96	8.80	23.25
				29-Apr-96	10.66	21.39
				03-Sep-96	10.51	21.54
				13-Dec-96	9.85	22.20
				18-Feb-97	9.93	22.12
				26-May-97	10.66	21.39
				21-Aug-97	9.80	22.25
02-Jan-98	10.75	21.30				
MW-4	24.28	25	12-25	12-Sep-94	17.01	7.27

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Well Number	Well Elevation (1)	Well Depth (2)	Screened Interval (2)	Date Measured	Depth to Water	Groundwater Elevation (3)
				30-Nov-94	16.15	8.13
				16-Feb-95	16.38	7.90
				08-May-95	16.27	8.01
				30-Aug-95	16.32	7.96
				19-Dec-95	14.52	9.76
				26-Feb-96	13.29	10.99
				29-Apr-96	15.08	9.20
				03-Sep-96	14.70	9.58
				13-Dec-96	13.52	10.76
				18-Feb-97	13.92	10.36
				26-May-97	14.51	9.77
				21-Aug-97	14.40	9.88
				02-Jan-98	14.07	10.21
MW-5	22.19	21.5	11.5-21.5	12-Sep-94	17.15	5.04
				30-Nov-94	15.94	6.25
				16-Feb-95	16.45	5.74
				08-May-95	16.08	6.11
				30-Aug-95	15.79	6.40
				19-Dec-95	13.81	8.38
				26-Feb-96	12.69	9.50
				29-Apr-96	14.49	7.70
				03-Sep-96	14.11	8.08
				13-Dec-96	12.67	9.52
				18-Feb-97	12.83	9.36
				26-May-97	13.90	8.29
				21-Aug-97	13.71	8.48
				02-Jan-98	13.54	8.65
MW-6	28.54	21.5	11.5-21.5	12-Sep-94	12.58	15.96
				30-Nov-94	12.75	15.79
				16-Feb-95	12.17	16.37
				08-May-95	12.75	15.79
				30-Aug-95	14.22	14.32
				19-Dec-95	13.17	15.37
				26-Feb-96	11.37	17.17
				29-Apr-96	12.95	15.59
				03-Sep-96	12.67	15.87
				13-Dec-96	11.83	16.71
				18-Feb-97	11.92	16.62
				26-May-97	12.40	16.14
				21-Aug-97	12.31	16.23
				02-Jan-98	12.18	16.36
MW-7	26.29	23.5	13.5-23.5	12-Sep-94	11.60	14.69

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Well Number	Well Elevation (1)	Well Depth (2)	Screened Interval (2)	Date Measured	Depth to Water	Groundwater Elevation (3)
				30-Nov-94	11.53	14.76
				16-Feb-95	10.82	15.47
				08-May-95	11.84	14.45
				30-Aug-95	12.81	13.48
				19-Dec-95	11.77	14.52
				26-Feb-96	10.04	16.25
				29-Apr-96	11.55	14.74
				03-Sep-96	11.32	14.97
				13-Dec-96	10.96	15.33
				18-Feb-97	10.68	15.61
				26-May-97	11.08	15.21
				21-Aug-97	10.92	15.37
				02-Jan-98	10.78	15.51
MW-8	24.40	20.5	10.5-20.5	12-Sep-94	9.96	14.44
				30-Nov-94	9.96	14.44
				16-Feb-95	9.68	14.72
				08-May-95	10.06	14.34
				30-Aug-95	11.10	13.30
				19-Dec-95	10.22	14.18
				26-Feb-96	8.78	15.62
				29-Apr-96	10.05	14.35
				03-Sep-96	9.67	14.73
				13-Dec-96	9.20	15.20
				18-Feb-97	9.30	15.10
				26-May-97	9.50	14.90
				21-Aug-97	9.06	15.34
				02-Jan-98	9.38	15.02
MW-9	24.17	26	14-26	12-Sep-94	19.70	4.47
				30-Nov-94	17.65	6.52
				16-Feb-95	18.85	5.32
				08-May-95	19.47	4.70
				30-Aug-95	19.65	4.52
				19-Dec-95	18.43	5.74
				26-Feb-96	16.46	7.71
				29-Apr-96	18.91	5.26
				03-Sep-96	19.12	5.05
				13-Dec-96	16.22	7.95
				18-Feb-97	18.49	5.68
				26-May-97	18.60	5.57
				21-Aug-97	17.32	6.85
				02-Jan-98	15.33	8.84
MW-10	13.21			19-Dec-95	6.31	6.90



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**Emeryville and Oakland, California**

Well Number	Well Elevation (1)	Well Depth (2)	Screened Interval (2)	Date Measured	Depth to Water	Groundwater Elevation (3)
				26-Feb-96	6.09	7.12
				29-Apr-96	6.73	6.48
				03-Sep-96	6.50	6.71
				13-Dec-96	5.86	7.35
				18-Feb-97	6.72	6.49
				26-May-97	6.61	6.60
				21-Aug-97	6.82	6.39
				02-Jan-98	6.60	6.61
MW-12	10.42			19-Dec-95	10.69	-0.27
				26-Feb-96	9.66	0.76
				29-Apr-96	10.98	-0.56
				03-Sep-96	11.05	-0.63
				13-Dec-96	10.04	0.38
				18-Feb-97	10.42	0.00
				26-May-97	10.83	-0.41
				21-Aug-97	10.53	-0.11
				02-Jan-98	10.05	0.37
MW-31	19.14			19-Dec-95	6.92	12.22
				26-Feb-96	6.99	12.15
				29-Apr-96	7.54	11.60
				03-Sep-96	7.55	11.59
				13-Dec-96	6.72	12.42
				18-Feb-97	7.45	11.69
				26-May-97	7.45	11.69
				21-Aug-97	7.06	12.08
				02-Jan-98	7.30	11.84
MW-32	15.52			19-Dec-95	8.92	6.60
				26-Feb-96	8.48	7.04
				29-Apr-96	9.46	6.06
				03-Sep-96	9.20	6.32
				13-Dec-96	8.35	7.17
				18-Feb-97	9.15	6.37
				26-May-97	9.10	6.42
				21-Aug-97	9.32	6.20
				02-Jan-98	8.98	6.54
MW-34	11.97			19-Dec-95	11.20	0.77
				26-Feb-96	12.12	-0.15
				29-Apr-96	12.47	-0.50
				03-Sep-96	12.21	-0.24
				13-Dec-96	11.36	0.61
				18-Feb-97	11.74	0.23

**Table 1**  
**Well Construction and Groundwater Elevation Data**  
**East Baybridge Center**  
**Emeryville and Oakland, California**

Well Number	Well Elevation (1)	Well Depth (2)	Screened Interval (2)	Date Measured	Depth to Water	Groundwater Elevation (3)
				26-May-97	11.74	0.23
				21-Aug-97	11.51	0.46
				02-Jan-98	12.18	-0.21
LF-13	9.19			19-Dec-95	2.86	6.33
				26-Feb-96	2.55	6.64
				29-Apr-96	6.13	3.06
				03-Sep-96	6.58	2.61
				13-Dec-96	1.67	7.52
				18-Feb-97	4.59	4.60
				21-Aug-97	NM	NM
				02-Jan-98	NM	NM
LF-22	17.99	20	10-20	12-Sep-94	11.96	6.03
				30-Nov-94	9.69	8.30
				16-Feb-95	10.45	7.54
				08-May-95	11.40	6.59
				30-Aug-95	13.03	4.96
				19-Dec-95	9.42	8.57
				26-Feb-96	8.84	9.15
				29-Apr-96	10.29	7.70
				03-Sep-96	11.20	6.79
				13-Dec-96	8.18	9.81
				18-Feb-97	9.56	8.43
				26-May-97	10.90	7.09
				21-Aug-97	10.75	7.24
				02-Jan-98	9.33	8.66
LF-23	17.99	20	10-20	12-Sep-94	12.24	5.75
				30-Nov-94	10.05	7.94
				16-Feb-95	11.10	6.89
				08-May-95	11.88	6.11
				30-Aug-95	13.38	4.61
				19-Dec-95	10.01	7.98
				26-Feb-96	8.97	9.02
				29-Apr-96	10.84	7.15
				03-Sep-96	11.35	6.64
				13-Dec-96	8.47	9.52
				18-Feb-97	9.28	8.71
				26-May-97	10.71	7.28
				21-Aug-97	10.75	7.24
				02-Jan-98	9.57	8.42
<b>Extraction Wells</b>						
EX-1	23.51	NA	NA	12-Sep-94	24.83	-1.32

**Table 1**  
**Well Construction and Groundwater Elevation Data**  
**East Baybridge Center**  
**Emeryville and Oakland, California**

Well Number	Well Elevation (1)	Well Depth (2)	Screened Interval (2)	Date Measured	Depth to Water	Groundwater Elevation (3)
(LF-1)				30-Nov-94	19.16	4.35
				08-May-95	23.45	0.06
				30-Aug-95	23.45	0.06
				19-Dec-95	23.50	0.01
				26-Feb-96	18.38	5.13
				29-Apr-96	NM	NM
				03-Sep-96	22.15	1.36
				13-Dec-96	13.38	10.13
				09-Jan-97	10.65	12.86
				18-Feb-97	20.55	2.96
				26-May-97	19.40	4.11
				21-Aug-97	20.70	2.81
				02-Jan-98	9.70	13.81
				EX-2 (LF-2)	20.03	NA
30-Nov-94	15.68	4.35				
08-May-95	20.70	-0.67				
30-Aug-95	20.68	-0.65				
19-Dec-95	20.40	-0.37				
26-Feb-96	14.91	5.12				
29-Apr-96	20.47	-0.44				
03-Sep-96	18.80	1.23				
13-Dec-96	NM	NM				
09-Jan-97	10.69	9.34				
18-Feb-97	NM	NM				
26-May-97	23.50	-3.47				
21-Aug-97	23.46	-3.43				
02-Jan-98	NM	NM				
EX-3	20.96	24	7.5-24	12-Sep-94	22.33	-1.37
				30-Nov-94	15.50	5.46
				16-Feb-95	17.80	3.16
				08-May-95	19.80	1.16
				30-Aug-95	19.86	1.10
				19-Dec-95	17.00	3.96
				26-Feb-96	15.10	5.86
				29-Apr-96	16.21	4.75
				03-Sep-96	16.65	4.31
				13-Dec-96	12.95	8.01
				18-Feb-97	12.40	8.56
				26-May-97	13.11	7.85
				21-Aug-97	13.15	7.81
				02-Jan-98	10.86	10.10
EX-4	24.40	25	8-25	12-Sep-94	22.61	1.79

**Table 1**  
**Well Construction and Groundwater Elevation Data**  
**East Baybridge Center**  
**Emeryville and Oakland, California**

Well Number	Well Elevation (1)	Well Depth (2)	Screened Interval (2)	Date Measured	Depth to Water	Groundwater Elevation (3)
				30-Nov-94	20.70	3.70
				16-Feb-95	20.55	3.85
				08-May-95	20.85	3.55
				30-Aug-95	20.88	3.52
				19-Dec-95	19.41	4.99
				26-Feb-96	20.40	4.00
				29-Apr-96	19.75	4.65
				03-Sep-96	20.65	3.75
				13-Dec-96	18.59	5.81
				18-Feb-97	21.00	3.40
				26-May-97	21.00	3.40
				21-Aug-97	18.67	5.73
				02-Jan-98	13.09	11.31
<b>Deeper Wells</b>						
<b>MW-6D</b>	28.48	45	32-40	12-Sep-94	11.09	17.39
				30-Nov-94	11.46	17.02
				16-Feb-95	10.67	17.81
				08-May-95	11.58	16.90
				30-Aug-95	12.93	15.55
				19-Dec-95	13.14	15.34
				26-Feb-96	10.14	18.34
				29-Apr-96	11.57	16.91
				03-Sep-96	11.48	17.00
				13-Dec-96	12.29	16.19
				18-Feb-97	10.75	17.73
				26-May-97	16.50	11.98
				21-Aug-97	10.86	17.62
				02-Jan-98	11.21	17.27
<b>MW-7D</b>	26.27	40	27-40	12-Sep-94	11.32	14.95
				30-Nov-94	11.30	14.97
				16-Feb-95	11.01	15.26
				08-May-95	11.35	14.92
				30-Aug-95	12.65	13.62
				19-Dec-95	11.61	14.66
				26-Feb-96	9.84	16.43
				29-Apr-96	11.38	14.89
				03-Sep-96	11.18	15.09
				13-Dec-96	10.72	15.55
				18-Feb-97	10.45	15.82
				26-May-97	10.90	15.37
				21-Aug-97	10.75	15.52
				02-Jan-98	10.60	15.67

**Table 1**  
**Well Construction and Groundwater Elevation Data**  
**East Baybridge Center**  
**Emeryville and Oakland, California**

Well Number	Well Elevation (1)	Well Depth (2)	Screened Interval (2)	Date Measured	Depth to Water	Groundwater Elevation (3)
MW-9D	24.17	45	32-45	12-Sep-94	18.38	5.79
				30-Nov-94	16.35	7.82
				16-Feb-95	16.43	7.74
				08-May-95	16.96	7.21
				30-Aug-95	18.28	5.89
				19-Dec-95	16.50	7.67
				26-Feb-96	14.68	9.49
				29-Apr-96	16.85	7.32
				03-Sep-96	17.61	6.56
				13-Dec-96	15.23	8.94
				18-Feb-97	15.97	8.20
				26-May-97	17.14	7.03
				21-Aug-97	17.22	6.95
				02-Jan-98	16.10	8.07
<b>Deep Well</b>						
MW-7Z	25.96	65	50-65	12-Sep-94	11.78	14.18
				30-Nov-94	10.76	15.20
				16-Feb-95	9.16	16.80
				08-May-95	9.85	16.11
				30-Aug-95	11.85	14.11
				19-Dec-95	10.89	15.07
				26-Feb-96	8.62	17.34
				29-Apr-96	9.91	16.05
				03-Sep-96	11.01	14.95
				13-Dec-96	10.31	15.65
				18-Feb-97	9.25	16.71
				26-May-97	13.00	12.96
				21-Aug-97	11.10	14.86
				02-Jan-98	NM	NM

Data entered by TGL . Proofed by JKK .

**Notes**

- (1) Well elevation is in feet mean sea level as surveyed by Nolte and Associates in August 1994.
- (2) Well depth and screened interval are in feet below ground surface as measured at the time of well installation.
- (3) Water level elevation is in feet mean sea level
- (4) Monitoring Well MW-1 was abandoned in December 1996.
- NA Not applicable, well associated with extraction trench.
- NM Water level not measured.



Table 2B: Summary of Analytical QA/QC

East Baybridge Center, Emeryville and Oakland, California

Site Name	Site Address	Monitoring Period Covered
East Baybridge	East Baybridge Center Emeryville and Oakland CA	01-Oct-97 through 31-Dec-97
Analysis Performed By: Lab Name: American Environmental Network Lab Address: 3440 Vincent Road, Pleasant Hill, CA 94523 Lab Contact: Robin Byars Lab Telephone Number: 510-930-9090		
Analytical Method Used: (check applicable methods) <ul style="list-style-type: none"> <li><input type="checkbox"/> Total Dissolved Solids by EPA Method _____</li> <li><input type="checkbox"/> Bioassay 96-hr % survival by Standard Method</li> <li><input type="checkbox"/> Turbidity (NTU) by EPA Method _____</li> <li><input type="checkbox"/> Dissolved Oxygen (mg/l and % saturation) by Standard Method</li> <li><input type="checkbox"/> Hardness (mg/l CaCO<sub>3</sub>) by EPA Method _____</li> <li><input type="checkbox"/> Arsenic by EPA Method _____</li> <li><input type="checkbox"/> Cadmium by EPA Method _____</li> <li><input type="checkbox"/> Chromium (total) by EPA Method _____</li> <li><input type="checkbox"/> Chromium (hexavalent)</li> <li><input type="checkbox"/> Copper by EPA Method _____</li> <li><input type="checkbox"/> Lead by EPA Method _____</li> <li><input type="checkbox"/> Mercury by EPA Method _____</li> <li><input type="checkbox"/> Nickel by EPA Method _____</li> <li><input type="checkbox"/> Selenium by EPA Method _____</li> <li><input type="checkbox"/> Silver by EPA Method _____</li> <li><input type="checkbox"/> Zinc by EPA Method _____</li> <li><input checked="" type="checkbox"/> Halogenated Volatile Organics by EPA Method 601 or 8010</li> <li><input type="checkbox"/> Aromatic and Unsaturated Volatile Organics by EPA 602 or 8020</li> <li><input type="checkbox"/> Volatile Organics by EPA Method 624 or 8240</li> <li><input type="checkbox"/> Semivolatile Organics by EPA Method 625 or 8270</li> <li><input type="checkbox"/> EDB and DBCP by EPA Method 504</li> <li><input checked="" type="checkbox"/> TPH gasoline by EPA Method 8015 modified</li> <li><input checked="" type="checkbox"/> TPH diesel by EPA Method 8015 modified</li> </ul>		
Is the lab state-certified for the above analytical method(s)?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Were analyses performed according to standard methods?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Were sample holding times met?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Were all reported analytical results values above MDLs?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Were QA/QC samples (i.e., blanks, field replicates, spikes, and surrogates) analyzed in accordance and consistent with the analytical method?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Did QA/QC results meet all acceptance criteria?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are QA/QC results and acceptance criteria on file?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
For any questions above answered with "No", please provide an explanation: *		

\* The explanation should describe any modifications to standard methods and whether approved by Board staff, and describe corrective actions taken in response to any QA/QC results that fall outside acceptance criteria.

**Table 3**  
**Quarterly 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	
<b>Shallow Wells (20 to 25 feet below grade)</b>																	
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	
		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	<0.0005
		17-Feb-95	AEN	<0.05	0.08	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
		09-May-95	AEN	<0.05	0.20	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
		31-Aug-95	AEN	<0.05	0.30	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
		27-Dec-95	AEN	<0.05	0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
		27-Feb-96	AEN	<0.05	0.18	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
		01-May-96	AEN	<0.05	0.10	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
		04-Sep-96	AEN	<0.05	0.25	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	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	
		17-Feb-95	AEN	3.50	0.30	0.045	0.005	0.11	0.35	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	
		31-Aug-95	AEN	0.90	0.20	0.011	<0.0005	0.032	0.072	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	
		27-Feb-96	AEN	4.10	0.20	0.076	0.0095	0.21	0.62	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	
		04-Sep-96	AEN	0.54	0.22	0.0024	<0.0005	0.018	0.045	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	
		18-Feb-97	AEN	1.2	0.24	0.015	0.0009	0.057	0.140	NA	NA	NA	NA	NA	NA	NA	
(44)		15-May-97	AEN	0.46	0.11	0.0033	<0.0005	0.035	0.059	NA	NA	NA	NA	NA	NA	NA	
		11-Dec-97	AEN	1.7	0.15	0.016	0.0010	0.061	0.106	NA	NA	NA	NA	NA	NA	NA	
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	
		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	
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
		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	
		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
		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	
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
		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	
		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	
		18-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
	dup		18-Feb-97	AEN	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
			15-May-97	AEN	NA	0.08	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	



**Table 3**  
**Quarterly 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
		21-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		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
<b>MW-4</b>		01-Dec-94	AEN	NA	0.09	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
		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
		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	0.0022	<0.0005	<0.0005
		04-Sep-96	AEN	NA	0.14	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
		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
		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
<b>MW-5</b>		13-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.001	0.0007	0.003	0.002	<0.0005	<0.0005
		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
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.001	0.002	0.008	0.003	<0.0005	<0.0005
		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
		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	0.0007	0.002	0.002	0.013	0.004	<0.0005	<0.0005
		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
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.0008	0.0024	0.010	0.0029	<0.0005	<0.0005
		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	0.001	0.0051	0.0021	<0.0005	<0.0005
		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
		17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0.001	<0.001	0.002	0.005	0.002	<0.001	<0.001
		18-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	0.0009	0.0079	0.002	<0.0005	<0.0005
		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
		21-Aug-97	AEN	NA	NA	NA	NA	NA	NA	0.0006	<0.0005	0.0026	0.019	0.0041	<0.0005	<0.0005
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
		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
<b>MW-6</b>	(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
	(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
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.039	<0.003	0.280	0.003	<0.003	<0.003
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
		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
		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.032	<0.003	0.270	0.004	<0.003	<0.003
		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
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.005	0.031	<0.005	0.270	<0.005	<0.005	<0.005
		01-May-96	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.026	<0.003	<0.200	0.003	<0.003	<0.003

**Table 3**  
**Quarterly 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
		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
		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
		18-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.029	<0.003	0.260	0.003	<0.003	<0.003
		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
		21-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.019	<0.003	0.230	0.003	<0.003	<0.003
		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
<b>MW-7</b>		12-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.017	<0.0005	0.160	0.003	0.0009	<0.0005
		30-Nov-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.016	<0.0005	0.170	0.003	<0.0005	<0.0005
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.011	<0.003	0.120	<0.003	<0.003	<0.003
		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
		30-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.012	<0.003	0.140	0.003	<0.003	<0.003
		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
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.018	<0.003	0.210	0.0035	<0.003	<0.003
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
		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.016	<0.003	0.220	0.003	<0.003	<0.003
		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
		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
		19-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.007	<0.003	0.150	<0.003	<0.003	<0.003
		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
		21-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.013	<0.003	0.250	0.005	<0.003	<0.003
		11-Dec-97	AEN	NA	0.06	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0081	<0.0005	<0.0005	<0.0005
<b>MW-8</b>	(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
		02-Dec-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		09-May-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		20-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		29-Apr-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		04-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<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
		15-May-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
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

**Table 3**  
**Quarterly 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
		21-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
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
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
		30-Nov-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.016	<0.0005	0.150	0.0005	<0.0005	<0.0005
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
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.014	<0.003	0.120	<0.003	<0.003	<0.003
		08-May-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.013	<0.0005	0.110	0.005	<0.0005	<0.0005
		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.013	<0.003	0.130	0.004	<0.003	<0.003
		20-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.003	0.009	<0.003	0.092	<0.003	<0.003	<0.003
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.0099	<0.0005	0.087	0.0035	<0.0005	<0.0005
		03-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.0083	<0.0005	0.099	0.0030	<0.0005	<0.0005
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
		17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0.001	0.005	<0.001	0.059	0.002	<0.001	<0.001
	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
		19-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.008	<0.0005	0.087	0.0023	<0.0005	<0.0005
		15-May-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.0056	<0.0005	0.063	0.0025	<0.0005	<0.0005
		22-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.0080	<0.0005	0.067	0.0022	<0.0005	<0.0005
		11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.0050	<0.0005	0.058	0.0022	<0.0005	<0.0005
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
	(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
	(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
		15-May-97	AEN	NA	NA	NA	NA	NA	NA	0.500	<0.005	<0.005	<0.005	<0.005	<0.005	0.156
	(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
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
		27-Feb-96	AEN	<0.05	0.36	<0.0005	<0.0005	<0.0005	<0.002	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
		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
		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
		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
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
		27-Feb-96	AEN	<0.05	0.37	<0.0005	<0.0005	<0.0005	<0.002	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

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**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
		05-Sep-96	AEN	NA	0.54	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
		19-Feb-97	AEN	NA	0.49	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
		27-Feb-96	AEN	<0.05	0.26	<0.0005	<0.0005	<0.0005	<0.002	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
		05-Sep-96	AEN	NA	0.34	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
		19-Feb-97	AEN	NA	0.35	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
	(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
		17-Dec-96	AEN	NA	NA	NA	NA	NA	NA	0.018	<0.001	<0.001	0.002	<0.001	<0.001	0.005
	(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
	(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
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
		28-Dec-95	AEN	NA	NA	NA	NA	NA	NA	0.006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	0.0031	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
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
	(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
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
		07-Jan-92	ANA	NA	NA	NA	NA	NA	NA	<0.0005	0.009	0.0037	0.041	0.0054	0.0011	<0.0005
		16-Apr-92	ANA	NA	NA	NA	NA	NA	NA	<0.0005	0.0026	0.0018	0.015	0.0021	<0.0005	<0.0005
	(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
		20-Oct-92	ANA	NA	NA	NA	NA	NA	NA	0.0008	0.0013	0.0007	0.014	0.004	<0.0005	<0.0005
		25-May-93	ANA	NA	NA	NA	NA	NA	NA	<0.0005	0.0008	0.0006	0.0061	0.0024	<0.0005	<0.0005
		13-Jul-93	ANA	NA	NA	NA	NA	NA	NA	0.0007	0.001	0.0009	0.0077	0.0033	<0.0005	<0.0005
	(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
		01-Dec-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0006	0.0009	<0.0005	<0.0005
		17-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	0.0006	0.0007	0.001	<0.0005	<0.0005
		09-May-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0007	0.0007	<0.0005	<0.0005
	duplicate		09-May-95	AEN	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0005	0.0006	<0.0005	<0.0005
	(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
duplicate	(11)	31-Aug-95	AEN	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.001	0.001	<0.0005	<0.0005	

**Table 3**  
**Quarterly 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
		20-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	(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
	(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
		04-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
		18-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		16-May-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		22-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		12-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
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
		07-Jan-92	ANA	NA	NA	NA	NA	NA	NA	0.007	0.0023	0.056	0.0034	0.012	0.0013	<0.0005
		16-Apr-92	ANA	NA	NA	NA	NA	NA	NA	0.0036	0.0007	0.020	0.0044	0.0044	0.0011	<0.0005
		23-Jul-92	ANA	NA	NA	NA	NA	NA	NA	0.0038	0.0013	0.029	0.0061	0.0044	0.0014	<0.0005
		20-Oct-92	ANA	NA	NA	NA	NA	NA	NA	0.0033	0.0005	0.023	0.0047	0.002	0.0015	<0.0005
		25-May-93	ANA	NA	NA	NA	NA	NA	NA	0.0042	0.0007	0.016	0.0035	0.0017	0.0019	<0.0005
		13-Jul-93	ANA	NA	NA	NA	NA	NA	NA	0.0081	0.0015	0.018	0.0074	0.0033	0.0051	<0.0005
		13-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	0.0006	0.002	0.003	0.0007	<0.0005
	(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
	(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
	(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
	(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
	(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
	(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
	(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
	(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
	(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
	(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
	(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
	(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
	(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
<b>Shallow Extraction Wells (20 to 30 feet below grade)</b>																
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
		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
		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

**Table 3**  
**Quarterly 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
		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
		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
		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
		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
		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
		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
		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
		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
		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
	(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
		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
<b>EX-4</b>		14-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0.025	0.010	0.220	0.006	0.001	<0.0005
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
<b>EXTR</b>		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
		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
		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
		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
		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
		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
		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
		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

Deeper Wells (40 to 45 feet below grade)

**Table 3**  
**Quarterly 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	Ethylbenzene	Total Xylenes	TCE	1,1,1-TCA	PCE	1,1-DCE	1,1-DCA	1,2-DCA	cis/trans-1,2-DCE
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
		01-Dec-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		09-May-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		28-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		01-May-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		03-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
		18-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		16-May-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		22-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
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
		30-Nov-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.003	<0.0005	<0.0005	<0.0005
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.003	<0.0005	<0.0005	<0.0005
		09-May-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		30-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.002	<0.0005	<0.0005	<0.0005
		20-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	duplicate		20-Dec-95	AEN	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		03-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0010	<0.0005	<0.0005	<0.0005
		17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0.001	<0.001	<0.001	0.008	<0.001	<0.001	<0.001
		19-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0025	0.0009	<0.0005	0.0081	<0.0005	<0.0005	<0.0005
		16-May-97	AEN	NA	NA	NA	NA	NA	NA	<0.0025	<0.0005	<0.0005	0.0023	<0.0005	<0.0005	<0.0005
	22-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0025	<0.0005	<0.0005	0.0083	<0.0005	<0.0005	<0.0005	
	11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0081	<0.0005	<0.0005	<0.0005	
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
		30-Nov-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		08-May-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

**Table 3**  
**Quarterly 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
		20-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		26-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		01-May-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		03-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<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
		16-May-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		22-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	0.0024	<0.0005	<0.0005	<0.0005
	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

**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
		30-Nov-94	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		30-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		28-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		03-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	(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
		19-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		16-May-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		22-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

**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
		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
		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
		28-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		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
		03-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		19-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		15-May-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005



**Table 3**  
**Quarterly 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
		22-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
		11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
<b>Field Blanks</b>																
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
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
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
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
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
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
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
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
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
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
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
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

Data entered by TGZ. Data proofed by JCR and QA/QC by SXS.

**NOTES:**

**Key to abbreviations:**

TPHg = Total petroleum hydrocarbons as gasoline

TPHd = Total petroleum hydrocarbons as diesel

TPHo = Total petroleum hydrocarbons as oil

TCE = Trichloroethene

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

PCE = Tetrachloroethene

1,1-DCE = 1,1-Dichloroethene

1,1-DCA = 1,1-Dichloroethane

1,2-DCA = 1,2-Dichloroethane

AEN = American Environmental Network in Pleasant Hill, California

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

A2AC - Aqua Air (A2) Analytical Corporation

NA = parameter not analyzed

**Table 3**  
**Quarterly 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
---------	-------	--------------	-----	------	------	---------	---------	-------------------	------------------	-----	-----------	-----	---------	---------	---------	-----------------------

**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, Bromodichloromethane = 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

**Table 3**  
**Quarterly 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
---------	-------	--------------	-----	------	------	---------	---------	-------------------	------------------	-----	-----------	-----	---------	---------	---------	-----------------------

(44) Methyl t-Butyl Ether 0.063

**Table 4  
Groundwater Sampling Schedule  
East Baybridge Center  
Emeryville and Oakland, California**

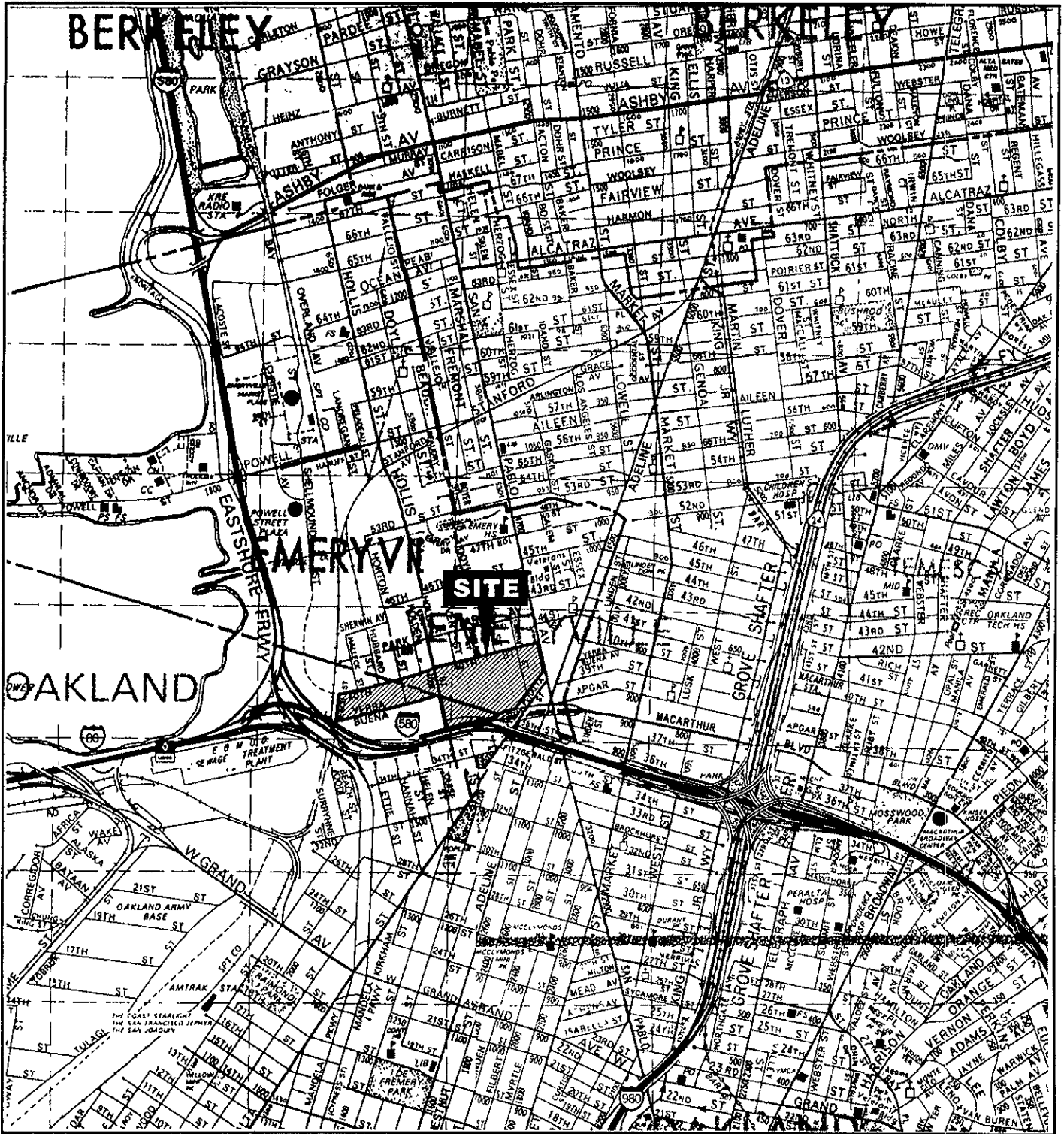
Quarterly Period	Area	Well Depth	Well Identification	Analysis
JANUARY through MARCH 1998	Area A	20' to 25'	MW-2	TPHg, TPHd, BTEX
			MW-3, MW-5, MW-6, MW-7,	VOCs
			MW-8, MW-9, LF-22, LF-23	VOCs
			Collection Trench, EX-3, and EX-4	TPHd, TPHo, VOCs
		40' to 45'	MW-6D, MW-7D, MW-9D	VOCs
		60'	MW-7Z	VOCs

**NOTES:**

The sampling proposed is in accordance with LFR's December 19, 1994  
"Ground-Water Monitoring Plan, East Baybridge Center, Emeryville and Oakland, California"

Analysis for TPHg will use EPA Method 5030.  
Analysis for BTEX will use EPA Method 8020.  
Analysis for TPHd and TPHo will use EPA Method 3510.  
Analysis for VOCs will use EPA Method 8010.

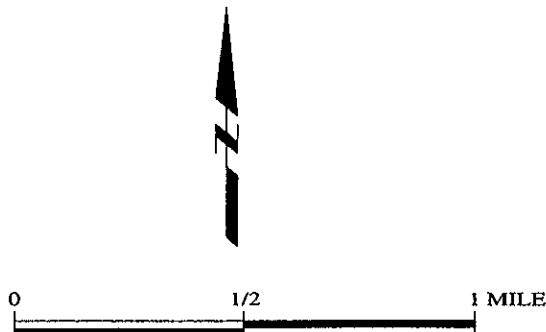
One duplicate sample, a trip blank, and bailer rinsate blank will be analyzed for VOCs.



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Alameda County  
1995 Edition

EAST BAYBRIDGE CENTER

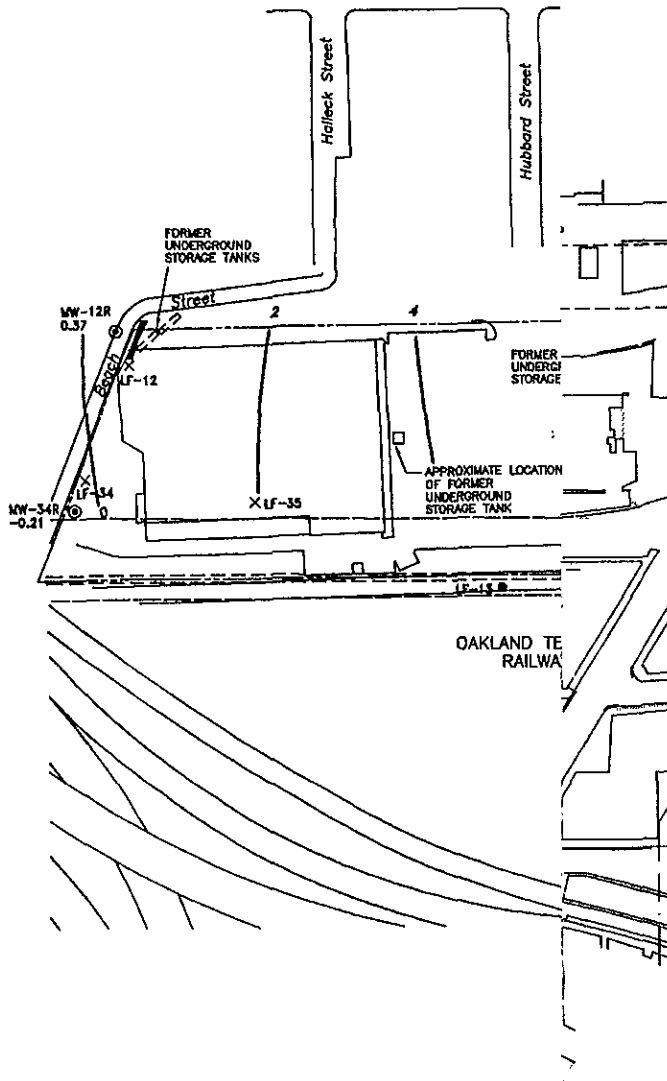
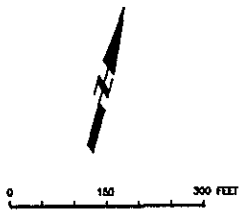
Site Location Map



**Levine-Fricke-Recon**

**Figure 1**

Project No. 1649



- EXPLANATION
- ⊙ MONITORING WELL LOCATION
  - △ EXTRACTION WELL
  - ⊗ PROPOSED MONITORING WELL LOCATION
  - × ABANDONED GROUND WATER MONITORING WELL
  - APPROXIMATE AREA OF VOC-AFFECTED GROUNDWATER
  - APPROXIMATE PROPERTY LINE
  - 29.36 GROUNDWATER ELEVATION
  - 12 — GROUNDWATER ELEVATION CONTOUR (FEET, MSL)
  - NM NOT MEASURED

REVISION	DESIGN	DRAWN	CHECKED	DATE

YERBA BUENA/EAST BAYBRIDGE DEVELOPMENT

Figure 2  
SITE PLAN SHOWING  
GROUNDWATER ELEVATIONS IN SHALLOW WELLS  
JANUARY 2, 1998

Project No. 1649
Date JAN. 98
Sheet of

**APPENDIX A**

**Field Procedures**

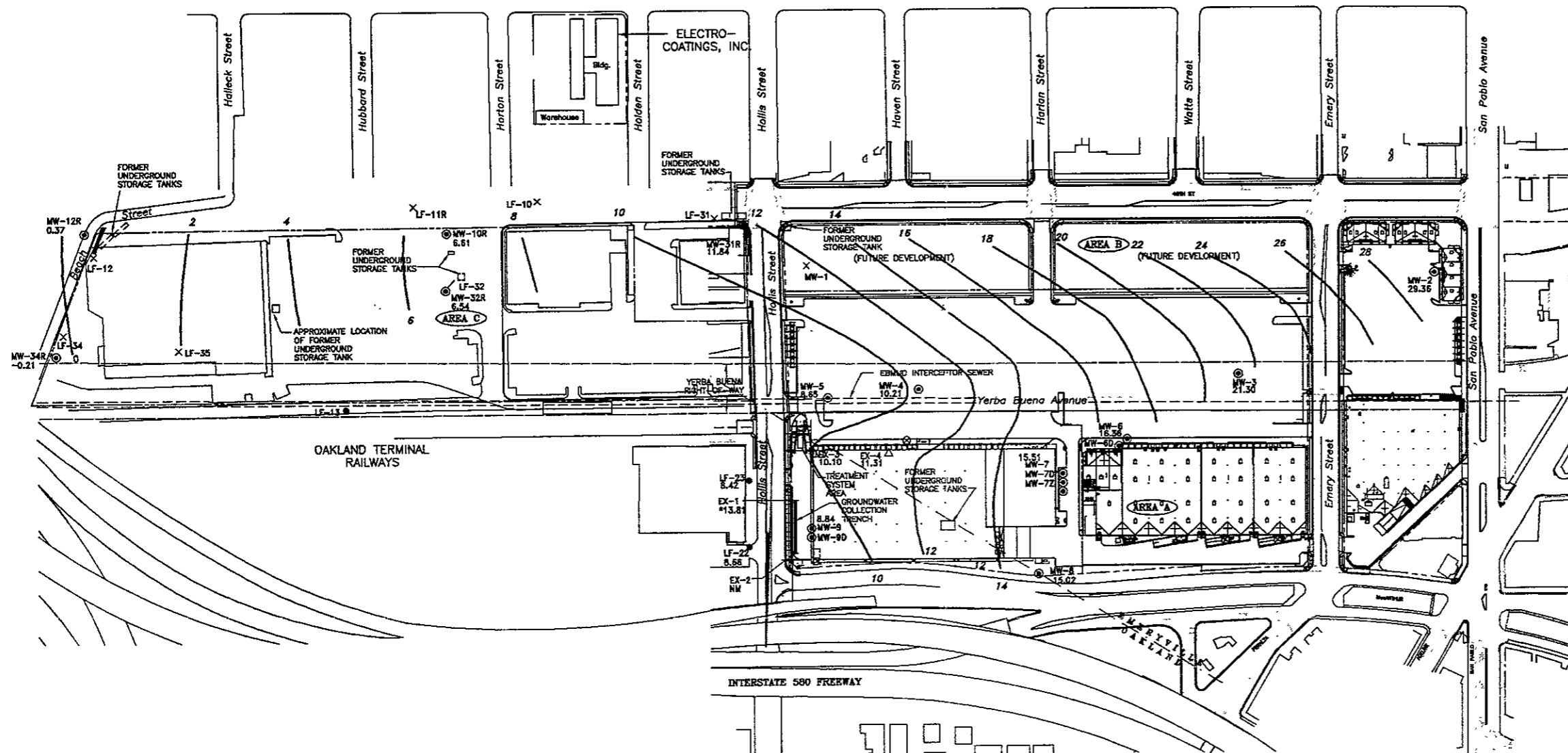
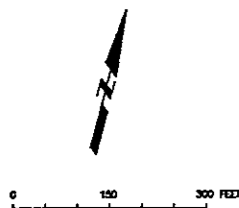
## FIELD PROCEDURES

Before sample collection, depth to static water was measured in each well and the volume of water in the well casing was calculated. Three to five well-casing volumes of groundwater was then purged from each well using a centrifugal pump or a bailer until indicator parameter readings (pH, specific conductance, and temperature) stabilized. Indicator parameters were measured using portable field instruments and measurements were recorded on water-quality sampling forms. Purging and sampling equipment were steam cleaned before use at each well. Purged groundwater was pumped into the on-site treatment system.

After each well had been purged, groundwater samples were collected using a clean Teflon bailer. Samples were collected in containers appropriate for the laboratory analysis to be performed. Samples collected for VOC analyses were collected by pouring groundwater directly from the bailer into laboratory-supplied, 40-milliliter volatile organic analysis (VOA) glass vials. Vials were gently filled to overflowing, capped, and then inverted to check for trapped air. If an air bubble was observed, the vial was discarded and a new vial filled. Samples were immediately capped and placed in an ice-chilled cooler for transportation to the analytical laboratory.

Groundwater samples were submitted to American Environmental Network, a California state-certified laboratory, under strict chain-of-custody protocols. For quality assurance/quality control, a duplicate sample was collected from well MW-9D and analyzed for VOCs using EPA Method 8010.





- EXPLANATION**
- ⊙ MONITORING WELL LOCATION
  - △ EXTRACTION WELL
  - ⊕ PROPOSED MONITORING WELL LOCATION
  - × ABANDONED GROUND WATER MONITORING WELL
  - APPROXIMATE AREA OF VOC-AFFECTED GROUNDWATER
  - - - APPROXIMATE PROPERTY LINE
  - 29.36 GROUNDWATER ELEVATION
  - 12 GROUNDWATER ELEVATION CONTOUR (FEET MSL)
  - NW NOT MEASURED

REVISION	DESIGN	DRAWN	CHECKED	DATE

SCALE : \_\_\_\_\_  
 DESIGN : \_\_\_\_\_  
 DRAWN : \_\_\_\_\_  
 CHECKED : \_\_\_\_\_

**Levine-Fricke-Recon**  
 ENGINEERS, ARCHITECTS & APPLICED SCIENTISTS  
 Emeryville, California

**CATELLUS DEVELOPMENT CORPORATION**

YERBA BUENA/EAST BAYBRIDGE DEVELOPMENT  
 Figure 2  
 SITE PLAN SHOWING  
 GROUNDWATER ELEVATIONS IN SHALLOW WELLS  
 JANUARY 2, 1998

Project No. 1649  
 Date JAN. 98  
 Sheet \_\_\_ of \_\_\_