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**Semiannual Monitoring Report for
July 1 through December 31, 1999
East Baybridge Center
Emeryville and Oakland, California**

**January 25, 2000
1649.99-002**

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

 **LFR**
LEVINE • FRICKE

January 25, 2000

1649.99-002

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

Subject: Quarterly Monitoring Report, July 1 through December 31, 1999, East Baybridge Center, Emeryville and Oakland, California

Dear Ms. Hugo:

This report presents the results of semiannual groundwater monitoring by LFR Levine·Fricke (LFR) on behalf of Catellus Development Corporation for July 1 through December 31, 1999, at the Yerba Buena/East Baybridge Center in Emeryville and Oakland, California.

Monitoring was conducted in accordance with LFR's revised "Groundwater Monitoring Plan for the East Baybridge Center, Emeryville and Oakland, California," submitted April 15, 1998. If there are any questions or comments concerning this report, please call me at (510) 652-4500.

Sincerely,



Ron Goloubow
Senior Project Geologist

Enclosure

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

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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 an LFR Levine-Fricke California Registered Geologist.

Kimberly A. Brandt

1/25/00

Kimberly A. Brandt
Senior Hydrogeologist
California Registered Geologist (6658)
California Certified Hydrogeologist (555)

Date

1.0 INTRODUCTION

This report presents the results of groundwater monitoring by LFR Levine-Fricke (LFR) during the semiannual period from July 1 through December 31, 1999, at East Baybridge Center in Emeryville and Oakland, California ("the Site"; Figure 1). LFR is performing groundwater monitoring and submitting this report on behalf of Catellus Development Corporation ("Catellus") in accordance with an April 15, 1998 groundwater monitoring plan submitted to the Alameda County Health Care Services Agency (ACHCSA; LFR 1998).

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).

Semiannual 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 and treatment system (GWETS) installed at the Site in 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.

The revised monitoring plan, which reduced monitoring from a quarterly to a semiannual event, was implemented according to verbal confirmation from Ms. Susan Hugo of the ACHCSA on June 3, 1998.

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 to monitor groundwater quality, in accordance with agency guidelines (Figure 2).

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 have been 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 GWETS was installed in Area A and began operation in August 1994 (Figure 2). Details regarding the operation of the GWETS are presented in the semiannual self-monitoring report submitted to the East Bay Municipal Utilities District.

Approximately 25,000 cubic yards of TPH-affected soil was excavated from Area B and contained beneath building pads in Areas A and B in accordance with the containment plan for the Site (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).

Five monitoring wells were installed and sampled on a quarterly basis for over a year to assess groundwater quality in Areas A and B. In response to a request from the Regional Water Quality Control Board (RWQCB), LFR prepared a soils management plan for the contained soils (LFR 1994). 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 it is likely that the VOCs have 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 properly abandoned prior to 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 to monitor possible on-site migration of VOCs from a known source (Electro-Coatings, Inc.) located north of the property (Figure 2).

3.0 GROUNDWATER ELEVATIONS AND FLOW DIRECTION

On September 21, 1999, 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 7.20 feet below ground surface (bgs) in well MW-10R to 17.82 feet bgs in well MW-9.

3.1 Areas A and B

Figure 2 is a groundwater elevation contour map illustrating water levels measured on September 21, 1999. 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 0.015 foot per foot (ft/ft), as measured between wells MW-2 and MW-9. The direction and gradient are consistent with the groundwater flow direction previously reported at the Site (LFR 1999).

The influence of pumping from the shallow extraction wells and collection trench on the groundwater flow pattern is illustrated in Figure 2 by depressions in the groundwater surface and deflections of contour lines in the vicinity of the extraction wells and collection trench. Because of access constraints, depth-to-water measurements could not be collected at the extraction trench (EX-1 and EX-2). However, the GWETS was operating and therefore the typical depression in the groundwater contour is shown for this period.

3.2 Area C

As illustrated in Figure 2, 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 1999).

4.0 GROUNDWATER SAMPLING AND ANALYSIS

On September 21, 22, and 23, 1999, LFR personnel collected groundwater samples for chemical analysis. A total of 21 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 four 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, three to four well volumes of water were purged from each well in accordance with field procedures for 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 under strict chain-of-custody protocol to Curtis and Tompkins, Inc., a California state-certified laboratory, located in Berkeley, California.

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, and 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-4, and the collection trench were analyzed for TPH as diesel (TPH_d; carbon chain length C₁₂ to C₂₂), and TPH as oil (carbon chain length C₂₂ to C₃₆) in accordance with the soil management plan for the Site (LFR 1994).
- The sample from well MW-2 was analyzed for TPH_d, TPH as gasoline (TPH_g) and benzene, toluene, ethylbenzene, and total xylenes to monitor whether TPH_g-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-34 and analyzed for VOCs. Results of the duplicate sample collected at MW-34 were similar to the results from the primary sample. Tables 2A and 2B summarize the analytical and sampling QA/QC, respectively, for samples collected during this semiannual monitoring period.

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). VOCs were not detected at concentrations above method detection limits in groundwater samples collected from shallow wells LF-22, MW-3, MW-4, and MW-8, or from deeper wells MW-6D and MW-7Z.

1,1-Dichloroethene (1,1-DCE) was detected in samples collected from six shallow monitoring wells at concentrations ranging from 0.0020 parts per million (ppm) in well MW-10R to 0.240 ppm in well MW-6. 1,1-DCE was detected in the samples from shallow extraction wells EX-3 and EX-4 and the collection trench at concentrations of 0.140 ppm, 0.071 ppm, and 0.047 ppm, respectively. 1,1-DCE was detected in samples collected from two deeper wells, MW-7D and MW-9D, at concentrations of 0.0140 ppm and 0.0027 ppm, respectively.

Trichloroethene (TCE) was detected in the samples collected from shallow monitoring wells MW-7, MW-10R, MW-12R, and MW-34R at concentrations of 0.0012 ppm, 0.400 ppm, 0.0006 ppm, and 0.018/0.017 ppm (primary/duplicate sample), respectively, and shallow extraction well EX-3 at 0.0024 ppm. TCE was detected at a concentration of 0.0008 ppm in the sample collected from off-site well LF-23.

TCE was not detected in the samples collected from remaining shallow or deeper wells sampled during the current monitoring event.

Tetrachloroethene (PCE) was detected in samples collected from shallow monitoring wells MW-5, MW-9, MW-10R, and MW-34R at concentrations of 0.0019 ppm, 0.0013 ppm, 0.0065 ppm, and 0.0013/0.0013 ppm, respectively. PCE was detected at a concentration of 0.0016 ppm in the sample collected from off-site well LF-23. PCE was detected in the samples collected from shallow extraction wells EX-3 and EX-4 and the collection trench at concentrations of 0.031 ppm, 0.0012 ppm, and 0.0010 ppm, respectively.

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, MW-7, MW-9, and MW-34R at concentrations of 0.015 ppm, 0.010 ppm, 0.0052 ppm, and 0.0006/0.0006 ppm, respectively. 1,1,1-TCA was also detected in samples collected from shallow extraction wells EX-3 and EX-4 and the collection trench at concentrations of 0.0062 ppm, 0.037 ppm, and 0.0023 ppm, respectively.

1,1,1-TCA was not detected in the samples collected from remaining shallow or deeper wells sampled during the current monitoring event.

5.2 Total Petroleum Hydrocarbons

TPHd was detected in samples collected from shallow monitoring wells MW-2, MW-4, MW-6, MW-7, and MW-12R at concentrations of 0.082 ppm, 0.073 ppm, 0.059 ppm, 0.076 ppm, and 0.460 ppm, respectively. TPHd was not detected in the samples collected from the two shallow extraction wells or the extraction trench.

TPHg was detected at 0.290 ppm in the sample collected from well MW-2. The sample collected from well MW-2 contained ethylbenzene (0.019 ppm) and total xylenes (0.015 ppm).

6.0 SUMMARY

Groundwater gradient and flow direction measured in September 1999 are generally consistent with the groundwater flow direction previously reported for the Site (LFR 1999).

Analytical results for groundwater samples collected in September 1999 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 GWETS 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 continue to indicate that TPHg-affected groundwater is migrating onto the property from the east.

Samples collected during September 1998 from deeper-zone well MW-7Z detected the presence of VOCs at low concentration (0.0092 ppm PCE). PCE had not been previously detected in samples collected from this well. PCE was not detected above method detection limits (0.0005 ppm) in the samples collected from the well in 1999 (March or September 1999).

7.0 SCHEDULED ACTIVITIES

In accordance with the revised groundwater monitoring plan for the Site (LFR 1998), groundwater monitoring consisting of water-level measurements and groundwater sampling will occur during the first half of 2000. The sampling schedule is summarized in Table 4. LFR anticipates submitting a report summarizing those activities by July 2000.

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.
- . 1994. Soils Management Plan for Petroleum Hydrocarbon-Affected Soils, Yerba Buena/East Baybridge Center, Emeryville and Oakland, California. November 30.
- . 1998. Groundwater Monitoring Plan, East Baybridge Center, Emeryville and Oakland, California. April 15.
- . 1999. Quarterly Monitoring Report for January 1 through June 30, 1999, 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 (3)	Date Measured	Depth to Water	Groundwater Elevation (4)
Shallow Wells						
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	(5)	
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
				09-Mar-98	6.94	30.29
14-Sep-98	7.79	29.44				
25-Mar-99	6.93	30.30				
21-Sep-99	7.71	29.52				
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				

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Well Number	Well Elevation (1)	Well Depth (2)	Screened Interval (3)	Date Measured	Depth to Water	Groundwater Elevation (4)
				09-Mar-98	9.03	23.02
				14-Sep-98	9.82	22.23
				25-Mar-99	9.19	22.86
				21-Sep-99	10.04	22.01
MW-4	24.28	25	12-25	12-Sep-94	17.01	7.27
				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
				09-Mar-98	13.39	10.89
				14-Sep-98	14.30	9.98
				25-Mar-99	12.99	11.29
				21-Sep-99	14.45	9.83
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
				09-Mar-98	12.88	9.31
				14-Sep-98	13.88	8.31
				25-Mar-99	12.34	9.85
				21-Sep-99	14.00	8.19
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

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Well Number	Well Elevation (1)	Well Depth (2)	Screened Interval (3)	Date Measured	Depth to Water	Groundwater Elevation (4)
				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
				09-Mar-98	11.37	17.17
				14-Sep-98	12.24	16.30
				25-Mar-99	10.69	17.85
				21-Sep-99	12.70	15.84
MW-7	26.29	23.5	13.5-23.5	12-Sep-94	11.60	14.69
				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
				09-Mar-98	10.06	16.23
				14-Sep-98	10.95	15.34
				25-Mar-99	10.13	16.16
				21-Sep-99	11.32	14.97
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

Table 1
Well Construction and Groundwater Elevation Data
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Well Number	Well Elevation (1)	Well Depth (2)	Screened Interval (3)	Date Measured	Depth to Water	Groundwater Elevation (4)
				02-Jan-98	9.38	15.02
				09-Mar-98	8.51	15.89
				14-Sep-98	9.38	15.02
				25-Mar-99	8.95	15.45
				21-Sep-99	9.55	14.85
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
				09-Mar-98	17.41	6.76
				14-Sep-98	18.45	5.72
				25-Mar-99	17.85	6.32
				21-Sep-99	17.82	6.35
MW-10	13.21			19-Dec-95	6.31	6.90
				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
				09-Mar-98	5.95	7.26
				14-Sep-98	6.45	6.76
				25-Mar-99	5.71	7.50
				21-Sep-99	7.20	6.01
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

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Well Number	Well Elevation (1)	Well Depth (2)	Screened Interval (3)	Date Measured	Depth to Water	Groundwater Elevation (4)
				02-Jan-98	10.05	0.37
				09-Mar-98	10.10	0.32
				14-Sep-98	10.71	-0.29
				25-Mar-99	9.95	0.47
				21-Sep-99	10.94	-0.52
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
				09-Mar-98	7.04	12.10
				14-Sep-98	7.38	11.76
				25-Mar-99	7.05	12.09
				21-Sep-99	7.45	21.09
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
				09-Mar-98	8.29	7.23
				14-Sep-98	8.95	6.57
				25-Mar-99	8.04	7.48
				21-Sep-99	9.67	5.85
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
				26-May-97	11.74	0.23
				21-Aug-97	11.51	0.46
				02-Jan-98	12.18	-0.21
				09-Mar-98	11.46	0.51
				14-Sep-98	11.22	0.75
				25-Mar-99	10.93	1.04
				21-Sep-99	11.72	0.25

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 (3)	Date Measured	Depth to Water	Groundwater Elevation (4)
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
				09-Mar-98	NM	NM
				14-Sep-98	NM	NM
				25-Mar-99	NM	NM
21-Sep-99	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
				09-Mar-98	9.23	8.76
				14-Sep-98	10.55	7.44
				25-Mar-99	9.26	8.73
21-Sep-99	10.03	7.96				
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

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 (3)	Date Measured	Depth to Water	Groundwater Elevation (4)
				09-Mar-98	9.21	8.78
				14-Sep-98	10.97	7.02
				25-Mar-99	9.21	8.78
				21-Sep-99	10.35	7.64
Extraction Wells						
EX-1 (LF-1)	23.51	NA	NA	12-Sep-94	24.83	-1.32
				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
				09-Mar-98	20.60	2.91
				14-Sep-98	NM	NM
				25-Mar-99	19.15	4.36
				21-Sep-99	NM	NM
EX-2 (LF-2)	20.03	NA	NA	12-Sep-94	20.11	-0.08
				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
				09-Mar-98	NM	NM
				14-Sep-98	22.05	-2.02
				25-Mar-99	22.35	-2.32
				21-Sep-99	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

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 (3)	Date Measured	Depth to Water	Groundwater Elevation (4)
				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
				09-Mar-98	12.03	8.93
				14-Sep-98	15.36	5.60
				25-Mar-99	11.80	9.16
				21-Sep-99	16.80	4.16
EX-4	24.40	25	8-25	12-Sep-94	22.61	1.79
				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
				09-Mar-98	20.90	3.50
				14-Sep-98	20.28	4.12
				25-Mar-99	18.85	5.55
				21-Sep-99	20.15	4.25
Deeper Wells						
MW-6D	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

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 (3)	Date Measured	Depth to Water	Groundwater Elevation (4)
				26-May-97	16.50	11.98
				21-Aug-97	10.86	17.62
				02-Jan-98	11.21	17.27
				09-Mar-98	9.97	18.51
				14-Sep-98	11.85	16.63
				25-Mar-99	11.55	16.93
				21-Sep-99	11.56	16.92
MW-7D	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
				09-Mar-98	9.87	16.40
				14-Sep-98	10.77	15.50
				25-Mar-99	9.98	16.29
				21-Sep-99	11.15	15.12
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
				09-Mar-98	15.11	9.06
				14-Sep-98	17.29	6.88
				25-Mar-99	14.86	9.31
				21-Sep-99	17.50	6.67
Deep Well						

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 (3)	Date Measured	Depth to Water	Groundwater Elevation (4)
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
				09-Mar-98	7.93	18.03
				14-Sep-98	10.72	15.24
25-Mar-99	9.04	16.92				
21-Sep-99	10.50	15.46				

Data updated by JCK. Proofed by BLG.

Notes:

- (1) Well elevation is in feet mean sea level as surveyed by Nolte and Associates in August 1994.
 - (2) Well elevation is in feet mean sea level as surveyed by Kier & Wright Civil Engineers and Surveyors, Inc. in December 1995.
 - (3) Well depth and screened interval are in feet below ground surface as measured at the time of well installation.
 - (4) Water level elevation is in feet mean sea level.
 - (5) Monitoring Well MW-1 was abandoned in December 1996.
- NA = Not applicable; well associated with extraction trench.
 NM = Water level not measured.

Table 2A: Summary of Sampling QA/QC
East Baybridge Center, Emeryville and Oakland, California

Site Name:	Site Address:	Monitoring Period Covered:
East Baybridge Center	East Baybridge Center Emeryville and Oakland, CA	July 1 through December 31, 1999
Sampling Performed By: J. Rodgers		
Firm Name: LFR Levine - Fricke		
Firm Address: 1900 Powell Street, Emeryville, California		
Firm Contact: Ron Goloubow		
Firm Telephone Number: (510) 652-4500		
Were chain-of-custody forms completed for all samples?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Were field parameters stabilized prior to taking samples?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
For VOCs samples, was there zero head space in sample containers?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Were samples preserved according to analytical method?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Were the required field QA/QC samples taken?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
For any questions above answered with "No", please provide an explanation:		

Data entered by JCK. QA/QC by REG.

**Table 2B: Summary of Analytical QA/QC
East Baybridge Center, Emeryville and Oakland, California**

Site Name:	Site Address:	Monitoring Period Covered:
East Baybridge Center	East Baybridge Center Emeryville and Oakland, CA	July 1 through December 31, 1999
Analysis Performed By:		
Lab Name:	Curtis and Tompkins, Ltd.	
Lab Address:	2323 Fifth Street, Berkeley, CA	
Lab Contact:	Tracy Babjar	
Lab Telephone Number:	510-486-0900	
Analytical Method Used: (check applicable methods)		
<input type="checkbox"/> Total Dissolved Solids by EPA Method _____		
<input type="checkbox"/> Bioassay 96-hr % survival by Standard Method		
<input type="checkbox"/> Turbidity (NTU) by EPA Method _____		
<input type="checkbox"/> Dissolved Oxygen (mg/l and % saturation) by Standard Method		
<input type="checkbox"/> Hardness (mg/l CaCO ₃) by EPA Method _____		
<input type="checkbox"/> Arsenic by EPA Method _____		
<input type="checkbox"/> Cadmium by EPA Method _____		
<input type="checkbox"/> Chromium (total) by EPA Method _____		
<input type="checkbox"/> Chromium (hexavalent)		
<input type="checkbox"/> Copper by EPA Method _____		
<input type="checkbox"/> Lead by EPA Method _____		
<input type="checkbox"/> Mercury by EPA Method _____		
<input type="checkbox"/> Nickel by EPA Method _____		
<input type="checkbox"/> Selenium by EPA Method _____		
<input type="checkbox"/> Silver by EPA Method _____		
<input type="checkbox"/> Zinc by EPA Method _____		
<input checked="" type="checkbox"/> Halogenated Volatile Organics by EPA Method 601 or 8010		
<input type="checkbox"/> Aromatic and Unsaturated Volatile Organics by EPA 602 or 8020		
<input type="checkbox"/> Volatile Organics by EPA Method 624 or 8240		
<input type="checkbox"/> Semivolatile Organics by EPA Method 625 or 8270		
<input type="checkbox"/> EDB and DBCP by EPA Method 504		
<input checked="" type="checkbox"/> TPH gasoline by EPA Method 8015 modified		
<input checked="" type="checkbox"/> TPH diesel by EPA Method 8015 modified		
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: *		

Data entered by HEG . QA/QC by SXS .

* 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
Semiannual 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	<0.0005	ND
		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	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	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	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	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	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	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	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	
		10-Mar-98	AEN	0.81	0.14	0.011	0.0006	0.045	0.086	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		
	02-Mar-99	CT	1.10	0.36	<0.0005	0.0016	0.042	0.052	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			
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	

Table 3
Semiannual 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	
	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	
		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	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	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		11-Dec-97	AEN	NA	<0.05	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	<0.05	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	<0.05	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	<0.05	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	<0.05	NA	NA	NA	NA	NA	<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		
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	<0.0005	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 3
Semiannual 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
		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
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
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
		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

Table 3
Semiannual 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			
	(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			
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	<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	<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	<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	<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	<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	<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	<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	<0.0005	ND		
		17-Dec-96	A2AC	NA	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	NA	<0.0005	<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	NA	<0.0005	<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	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		duplicate	21-Aug-97	AEN	NA	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		duplicate	11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		duplicate	10-Mar-98	AEN	NA	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		duplicate	15-Sep-98	ENT	NA	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
duplicate	02-Mar-99	CT	NA	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND		
duplicate	21-Sep-99	CT	NA	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	ND		
MW-9	(3)	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		
		duplicate	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		
		duplicate	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		
		duplicate	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		
		duplicate	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		
		duplicate	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		
		duplicate	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		
		duplicate	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		
		duplicate	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		
		dup	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		
		dup	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		
		dup	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		
		dup	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		
dup	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				

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Semiannual 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
		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
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	0.5567
(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	
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	0.0005	<0.0005	<0.0005	<0.0005	0.0013	<0.0005	0.0009	0.0028	
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

Table 3
Semiannual 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
		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
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
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

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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	NA	NA	NA	NA	NA	0.0008	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0008	
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	
(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	
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

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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
		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
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
		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
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

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

Table 3
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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
		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
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
		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
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

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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	
		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	
	DUP	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	
		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	
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	
		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	<0.0005	ND
		03-Sep-96	AEN	NA	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	
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	

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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
		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
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-F	(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

Data entered by JCK Data proofed by KEG 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

ENY = Entech Analytical Labs, Inc in Sunnyvale California

Table 3
Semiannual 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
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AEN = American Environmental Network in Pleasant Hill, California
ANA = Incheape Testing Anamatrix, Inc. in San Jose, California
A2AC = Aqua Air (A2) Analytical Corporation
CT = Curtus & Tompkins, Ltd. in Berkeley, California
NA = parameter not analyzed
ND = parameter not detected

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 0.003
- (43) Chloroform-0.0009
- (44) Methyl t-Butyl Ether 0.063

Table 3
 Semiannual Summary of Groundwater Quality Data
 East Baybridge Center
 Emeryville and Oakland, California
 (concentrations expressed in parts per million [ppm])

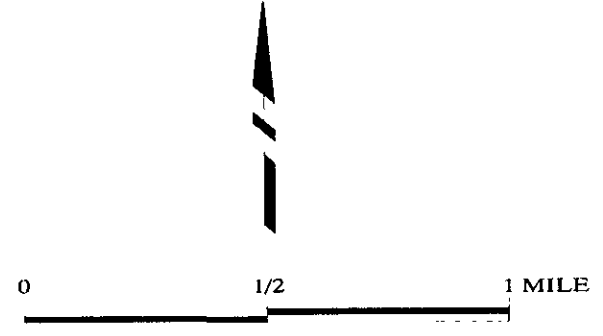
Well ID	Notes	Date Sampled	Lab	TPHg	TPHd	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TCE	1,1,1-TCA	PCE	1,1-DCE	1,1-DCA	1,2-DCA	cis/trans-1,2- DCE	Total VOCs
---------	-------	--------------	-----	------	------	---------	---------	-------------------	------------------	-----	-----------	-----	---------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

- (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



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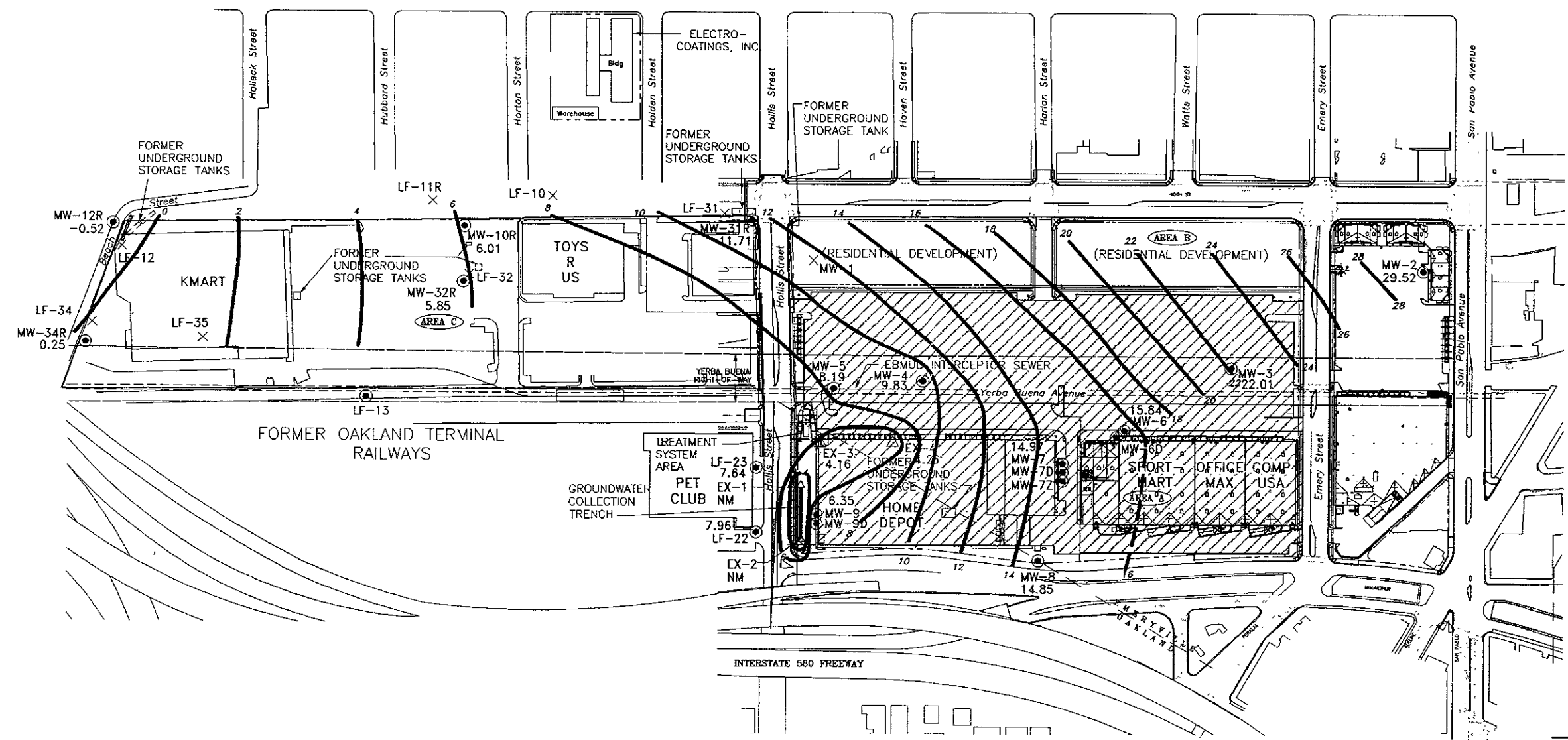
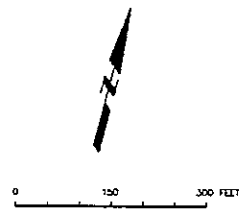


Site Location Map

EAST BAY BRIDGE CENTER



Figure 1



- EXPLANATION**
- MONITORING WELL LOCATION
 - △ EXTRACTION WELL
 - × ABANDONED GROUNDWATER MONITORING WELL
 - APPROXIMATE PROPERTY LINE

14 85
NM

REVISION	DESIGN	DRAWN	CHECKED	DATE



APPROVED



YERBA BUENA/EAST BAYBRIDGE DEVELOPMENT
Figure 2
SITE PLAN SHOWING GROUNDWATER ELEVATIONS IN SHALLOW WELLS
SEPTEMBER 21, 1999

Project No	1649
Date	JAN 00
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Issue	

DATE

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 were 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 volatile organic compounds (VOCs) analyses were collected by pouring groundwater directly from the bailer into laboratory-supplied, 40-milliliter volatile organic analysis 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 Curtis and Tompkins, Ltd., a state-certified laboratory in Berkeley, California, under strict chain-of-custody protocols. For quality assurance/quality control, a duplicate sample was collected from well MW-7D and analyzed for VOCs.