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Quarterly Monitoring Report for April 1 through June 30, 2001 East Baybridge Center Emeryville and Oakland, California

July 31, 2001
1649.21-002

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

LFR
LEVINE • FRICKE

July 31, 2001 1649.21-002

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

Ms. Betty Graham
Regional Water Quality Control Board
1515 Clay Street, 14th Floor
Oakland, California 94612

Subject: Quarterly Monitoring Report for April 1 through June 30, 2001, East Baybridge Center, Emeryville and Oakland, California

Dear Ms. Hugo and Ms. Graham:

This report presents the results of quarterly groundwater monitoring by LFR Levine•Fricke (LFR) on behalf of Catellus Development Corporation (Catellus) for April 1 through June 30, 2001, at the Yerba Buena/East Baybridge Center in Emeryville and Oakland, California ("the Site"). This report presents the analytical results of the samples collected during the second quarterly groundwater monitoring event conducted after the groundwater extraction and treatment system (GWETS) was shut down on November 20, 2000.

Groundwater monitoring was conducted in accordance with the schedule presented during a meeting on November 17, 2000, with representatives of the Regional Water Quality Control Board (RWQCB), Catellus, and LFR, and in the semiannual groundwater monitoring report dated January 31, 2001. As discussed, selected wells will be monitored on a quarterly basis (every three months) until November 2001. Table 1 presents the schedule and analyses for the wells to be sampled. After one year of monitoring is completed, the data will be evaluated to assess the future monitoring schedule. The wells selected for quarterly monitoring were based on their locations and the historical analytical results of samples collected from the wells.

As we discussed, shutting down the GWETS will allow groundwater affected by volatile organic compounds (VOCs) to migrate off site to the west. If 1,1-dichloroethene (1,1-DCE) is detected in samples collected from wells MW-4, MW-5, MW-9, LF-22, or LF-23 at a concentration greater than 165 micrograms per liter (μg/l) for two consecutive monitoring events, Catellus will notify the RWQCB and together we will evaluate whether the GWETS should be restarted. The concentration of 165 μg/l for 1,1-DCE was selected because it is half of the highest concentration of 1,1-DCE that has been detected in groundwater samples collected at the Site. The highest concentration of 1,1-DCE detected at the Site (330 μg/l) was in a sample collected from well MW-6 in September 1996. The proposed target concentration of 165 μg/l is well below the risk-based screening level of 1,000 μg/l for 1,1-DCE, which was provided by the RWQCB for groundwater that is not to be used for drinking water.

If you have any questions or comments concerning this report or the project in general, please call me at (510) 652-4500.

Sincerely,

Ron Goloubow
Senior Geologist

Enclosures

cc: Sandra Stevens, Catellus Development

CONTENTS

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.

7/27/01

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

Date

1.0 INTRODUCTION

This report presents the results of groundwater monitoring by LFR Levine·Fricke (LFR) during the quarterly monitoring period from April 1 through June 30, 2001 ("the reporting quarter") 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).

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 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.

As agreed during a meeting on November 17, 2000 with representatives of the Regional Water Quality Control Board (RWQCB), Catellus, and LFR, the GWETS at the Site was shut down on November 20, 2000. The GWETS was shut down to assess the effect of the GWETS on groundwater quality at the Site. Catellus is collecting samples from selected groundwater monitoring wells for a period of one year.

This report documents the results of the second groundwater monitoring event after the GWETS was shut down on November 20, 2000. As discussed, selected wells are being monitored on a quarterly basis (every three months) until November 2001. Table 1 presents the schedule and analyses for the wells to be sampled. After one year of monitoring is completed, the data will be evaluated to assess the future monitoring schedule. The wells selected for quarterly monitoring were based on their locations and the historical analytical results of samples collected from the wells.

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. Other former site businesses included 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 approximately 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 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 (Figure 2). This extraction system began operating in August 1994. Details regarding the operation of the GWETS are presented in an LFR semiannual self-monitoring report submitted to the East Bay Municipal Utilities District (LFR 2001).

Approximately 25,000 cubic yards of petroleum hydrocarbon-affected soil was 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 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 RWQCB, LFR prepared a soil management plan for the contained soil (LFR 1994). The plan outlined periodic groundwater monitoring to evaluate the possible effects on groundwater from soil 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. The distribution of VOCs detected indicates that it is likely that 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 the USTs. The 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 in 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 May 8, 2001, depth to water was measured in accessible on- and off-site groundwater monitoring wells to the nearest 0.01 foot using an electric water-level sounding probe. Table 2 summarizes the depth-to-water and groundwater elevation data collected. Depth to groundwater in shallow wells (less than 25 feet deep) ranged from 7.35 feet below ground surface (bgs) in well MW-10 to 15.02 feet bgs in well MW-9. Water levels were not measured in extraction wells.

3.1 Areas A and B

Figure 2 is a groundwater elevation contour map illustrating water levels measured on May 8, 2001. 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 0.014 foot per foot (ft/ft), as measured between wells MW-2 and MW-4. The direction and gradient are consistent with the groundwater flow direction previously reported at the Site (LFR 2001).

Depressions in the groundwater surface and deflections of contour lines in the vicinity of the extraction wells and collection trench typically created by the influence of pumping from the shallow extraction wells and collection trench on the groundwater flow pattern are not shown for this period because the GWETS was not operating when this monitoring took place.

3.2 Area C

As illustrated on 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-10R and MW-12R. The direction and gradient are consistent with the groundwater flow direction previously reported at the Site (LFR 2001).

4.0 GROUNDWATER SAMPLING AND ANALYSIS

On May 8 and 9, 2001, LFR personnel collected groundwater samples for chemical analysis. Eight samples were collected from seven shallow groundwater monitoring wells (less than 25 feet bgs; MW-4, MW-5, MW-6, MW-7, MW-9, LF-22, and LF-23).

Before groundwater samples were collected, three to four well volumes of water was 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-2 and MW-3 were analyzed for TPH as gasoline (TPHg) using EPA Method 8015 (modified); benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method 8020; and VOCs using EPA Method 8010
- Samples from wells MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10R, MW-12R, MW-34, LF-22, and LF-23 were analyzed for VOCs using EPA Method 8010.

For quality assurance/quality control (QA/QC) purposes, a duplicate sample was collected from well LF-23. The sample was analyzed for VOCs. Results of the duplicate sample collected at LF-23 were similar to the results from the primary sample. Tables 3A and 3B summarize the sampling and analytical QA/QC for samples collected during this quarterly monitoring period.

5.0 GROUNDWATER QUALITY

Table 4 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 4). Concentrations of total VOCs detected in samples

collected from wells MW-6 and MW-9 were slightly lower than total VOCs detected in samples collected from these wells during the previous monitoring event. No VOCs were detected at concentrations above method detection limits in groundwater samples collected from shallow wells MW-4, MW-6, and LF-22. The decrease in VOCs detected in the samples collected from well MW-6 will be further assessed during the next monitoring period.

1,1-Dichloroethene (1,1-DCE) was detected in samples collected from shallow monitoring wells MW-5 (0.0095 ppm), MW-7 (0.011 ppm), MW-9 (0.032 ppm) and MW-12R (0.0041 ppm). 1,1-DCE was not detected above analytical reporting limits in samples collected from the remaining shallow wells sampled during the current monitoring event.

Trichloroethene (TCE) was detected in the samples collected from off-site wells MW-10 (0.340 ppm), MW-34R (0.018 ppm), and at a concentration of LF-23 (0.0005 ppm/0.0005 ppm) (primary/duplicate). TCE was not detected above analytical reporting limits in samples collected from the remaining shallow wells sampled during the current monitoring event.

Tetrachloroethene (PCE) was detected at a concentration of 0.0014 in the sample collected from shallow monitoring well MW-5. PCE was detected at a concentration of 0.0033 ppm and 0.006 ppm/0.006 ppm (primary/duplicate) in the samples collected from off-site wells MW10R and LF-23, respectively. PCE was not detected above analytical reporting limits in samples collected from the remaining shallow or deeper wells sampled during the current monitoring event.

1,1,1-Trichloroethane (1,1,1-TCA) was detected in the sample collected from shallow monitoring well MW-4 at a concentration of 0.0016 ppm. 1,1,1-TCA was not detected above analytical reporting limits in samples collected from the remaining shallow or deeper wells sampled during the current monitoring event.

5.2 Total Petroleum Hydrocarbons

TPHg was detected in sample collected from shallow monitoring well MW-2 at a concentration of 0.15 ppm. Ethylbenzene and total xylenes were detected in the same sample at concentrations of 0.012 ppm and 0.0045 ppm, respectively.

6.0 SUMMARY

Groundwater gradient and flow direction measured in May 2001 are generally consistent with the groundwater flow direction previously reported for the Site (LFR 2001).

Analytical results for groundwater samples collected in May 2001 are similar to results previously reported for the Site (Table 4). The decrease in VOCs detected in the samples collected from well MW-6 will be further assessed during the next monitoring period. Analytical results for groundwater samples collected during this monitoring period 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) of well MW-6 toward the extraction wells and collection trench, and is approximately 300 feet wide. These plume dimensions are consistent with historical measurements made at the Site. Analytical results for samples collected from wells LF-22 and LF-23 indicate that the shutdown of the GWETS has not affected groundwater quality across Hollis Street.

7.0 PROPOSED FUTURE ACTIVITIES

In accordance with the revised "Groundwater Monitoring Plan, East Baybridge Center, Emeryville and Oakland, California," submitted on April 15, 1998 to ACHCSA and the RWQCB, groundwater monitoring (water-level measurements and groundwater sampling) will continue during the next two quarters of 2001. The sampling schedule is summarized in Table 1.

8.0 REFERENCES

LFR Levine·Fricke (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.

———. 1996. Quarterly Monitoring Report for April 1 through June 30, 1996, East Baybridge Center, Emeryville and Oakland, California. July 31.

———. 1998. Groundwater Monitoring Plan, East Baybridge Center, Emeryville and Oakland, California. April 15.

———. 2001. Semiannual Monitoring Report for July 1 through December 31, 2000, East Baybridge Center, Emeryville and Oakland, California. January 30.

Table 1
Groundwater Monitoring Schedule
East Baybridge Center
Emeryville and Oakland, California

Quarterly Period	Well Identification	Analysis
Jan- Mar	MW-4, MW-5, MW-6, MW-7, MW-9, LF-22, LF-23	VOCs, TPHd, TPHo
Apr-June	MW-2, MW-3	VOCs, TPHg, BTEX
	MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10R, MW-12R, LF-22, LF-23, MW-34	VOCs
Jul- Sept	MW-4, MW-5, MW-6, MW-7, MW-9, LF-22, LF-23	VOCs, TPHd, TPHo
Oct-Dec	MW-2, MW-3	VOCs, TPHg, BTEX
	MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10R, MW-12R, LF-22, LF-23, MW-34	VOCs

NOTES:
The samples will be collected in accordance with the methods provided in LFR's December 19, 1994 "Groundwater Monitoring Plan, East Baybridge Center, Emeryville and Oakland, California."

Analysis for TPHg, TPHd, and TPHo will use EPA Method 8015, modified.
Analysis for BTEX will use EPA Method 8020.
Analysis for VOCs will use EPA Method 8010.

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

BTEX = benzene, toluene, ethylbenzene, and xylenes
TPHd = total petroleum hydrocarbons as diesel
TPHg = total petroleum hydrocarbons as gasoline
TPHo = total petroleum hydrocarbons as oil
VOCs = volatile organic compounds

Table 2
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)
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	(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
				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
				10-May-00	7.35	29.88
				24-Oct-00	8.44	28.79
				08-Feb-01	8.45	28.78
				08-May-01	8.34	28.89
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

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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)
				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
				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
				10-May-00	10.70	21.35
				24-Oct-00	11.23	20.82
				08-Feb-01	11.42	20.63
				08-May-01	11.02	21.03
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
				09-May-00	14.25	10.03
				24-Oct-00	15.17	9.11
				08-Feb-01	15.32	8.96
				08-May-01	14.13	10.15
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

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Well Number	Well Elevation (1)	Well Depth (2)	Screened Interval (2)	Date Measured	Depth to Water	Groundwater Elevation (3)
				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
				09-May-00	13.75	8.44
				24-Oct-00	14.61	7.58
				08-Feb-01	13.81	8.38
				08-May-01	13 71	8.48
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
				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
				10-May-00	12.68	15.86
				24-Oct-00	13.78	14.76
				08-Feb-01	13.45	15.09
				08-May-01	11.55	16.99
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

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Well Number	Well Elevation (1)	Well Depth (2)	Screened Interval (2)	Date Measured	Depth to Water	Groundwater Elevation (3)
				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
				09-May-00	11.35	14.94
				24-Oct-00	12.32	13.97
				08-Feb-01	11.82	14.47
				08-May-01	11.45	14.84
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
				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
				09-May-00	9.70	14.70
				24-Oct-00	10.62	13.78
				08-Feb-01	10.31	14.09
				08-May-01	10.15	14.25
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

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Well Construction and Groundwater Elevation Data
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Well Number	Well Elevation (1)	Well Depth (2)	Screened Interval (2)	Date Measured	Depth to Water	Groundwater Elevation (3)
				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
				08-Feb-01	15.02	9.15
				08-May-01	15.02	9.15
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
				09-May-00	6.80	6.41
				24-Oct-00	7.39	5.82
				08-Feb-01	7.29	5.92
				08-May-01	7.35	5.86
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
				09-Mar-98	10.10	0.32

Table 2
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)
				14-Sep-98	10.71	-0.29
				25-Mar-99	9.95	0.47
				21-Sep-99	10.94	-0.52
				10-May-00	10.50	-0.08
				24-Oct-00	11.1[3]	-0 71
				08-Feb-01	10.79	-0.37
				08-May-01	10.95	-0.53
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	7.43	11.71
				24-Oct-00	7.65	11.49
				08-Feb-01	7.62	11.52
				08-May-01	7.65	11.49
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
				24-Oct-00	9.91	5.61
				08-Feb-01	9.76	5.76
				08-May-01	9.84	5 68
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

Table 2
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)
				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
				10-May-00	11.75	0.22
				24-Oct-00	12.13	-0.16
				08-Feb-01	12.22	-0.25
				08-May-01	11.97	0.00
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
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

Table 2
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)
				09-May-00	10.20	7.79
				24-Oct-00	11.88	6.11
				08-Feb-01	10.17	7.82
				08-May-01	10.24	7.75
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
				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
				09-May-00	10.65	7.34
				24-Oct-00	12.40	5.59
				08-Feb-01	10.66	7.33
				08-May-01	10.75	7.24
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

Table 2
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)
				25-Mar-99	19.15	4.36
				24-Oct-00	22.40	1.11
				08-Feb-01	NM	NM
EX-2	20.03	NA	NA	12-Sep-94	20.11	-0.08
(LF-2)				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
				24-Oct-00	18.92	1.11
				08-Feb-01	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
				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
				24-Oct-00	14.51	6.45
				08-Feb-01	12.75	8.21

Table 2
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)
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
				24-Oct-00	20.42	3.98
				08-Feb-01	14.41	9.99
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
				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
				10-May-00	14.50	13.98
				24-Oct-00	13.72	14.76
				08-Feb-01	12.26	16.22
				08-May-01	13.16	15.32

Table 2
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-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
				09-May-00	11.15	15.12
				24-Oct-00	12.13	14.14
				08-Feb-01	10.15	16.12
				08-May-01	11.67	14.60
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
				08-Feb-01	16.58	7.59
				08-May-01	16.69	7.48

Deep Well

Table 2
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-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
				10-May-00	11.20	14.76
				24-Oct-00	11.76	14.20
				08-Feb-01	12.67	13.29
				08-May-01	10.16	15.80

Data updated by JCK 07/20/01 Proofed by RLG

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 3A: 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	April 1 through June 30, 2001

Sampling Performed By: M. Alberg
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?	☑ Yes	☐ No
Were field parameters stabilized prior to taking samples?	☑ Yes	☐ No
For VOCs samples, was there zero head space in sample containers?	☑ Yes	☐ No
Were samples preserved according to analytical method?	☑ Yes	☐ No
Were the required field QA/QC samples taken?	☑ Yes	☐ No

For any questions above answered with "No," please provide an explanation:

Data entered by JCK. QA/QC by JCK.

Table 3B: 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	April 1 through June 30, 2001

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)

- ☐ Total Dissolved Solids by EPA Method_____
- ☐ Bioassay 96-hr % survival by Standard Method
- ☐ Turbidity (NTU) by EPA Method_____
- ☐ Dissolved Oxygen (mg/l and % saturation) by Standard Method
- ☐ Hardness (mg/l CaCO3) by EPA Method_____
- ☐ Arsenic by EPA Method_____
- ☐ Cadmium by EPA Method_____
- ☐ Chromium (total) by EPA Method_____
- ☐ Chromium (hexavalent)
- ☐ Copper by EPA Method_____
- ☐ Lead by EPA Method_____
- ☐ Mercury by EPA Method_____
- ☐ Nickel by EPA Method_____
- ☐ Selenium by EPA Method_____
- ☐ Silver by EPA Method_____
- ☐ Zinc by EPA Method_____
- ☑ Halogenated Volatile Organics by EPA Method 601 or 8010
- ☑ Aromatic and Unsaturated Volatile Organics by EPA 602 or 8020
- ☐ Volatile Organics by EPA Method 624 or 8240
- ☐ Semivolatile Organics by EPA Method 625 or 8270
- ☐ EDB and DBCP by EPA Method 504
- ☑ TPH gasoline by EPA Method 8015 modified
- ☐ TPH diesel by EPA Method 8015 modified

Is the lab state-certified for the above analytical method(s)?	☑	Yes ☐ No
Were analyses performed according to standard methods?	☑	Yes ☐ No
Were sample holding times met?	☑	Yes ☐ No
Were all reported analytical results values above MDLs?	☑	Yes ☐ No
Were QA/QC samples (i.e., blanks, field replicates, spikes, and surrogates) analyzed in accordance and consistent with the analytical method?	☑	Yes ☐ No
Did QA/QC results meet all acceptance criteria?	☑	Yes ☐ No
Are QA/QC results and acceptance criteria on file?	☑	Yes ☐ No

For any questions above answered with "No", please provide an explanation: *

Data entered by JCM 7/20/01. QA/QC by KEC.

* 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 4
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	ND
		17-Feb-95	AEN	<0 05	0 08	<0 0005	<0 0005	<0 0005	<0.002	NA	NA	NA	NA	NA	NA	NA	NA
		09-May-95	AEN	<0 05	0 20	<0 0005	<0 0005	<0 0005	<0 002	NA	NA	NA	NA	NA	NA	NA	NA
		31-Aug-95	AEN	<0 05	0 30	<0 0005	<0 0005	<0 0005	<0 002	NA	NA	NA	NA	NA	NA	NA	NA
		27-Dec-95	AEN	<0 05	0 10	<0 0005	<0 0005	<0 0005	<0 002	NA	NA	NA	NA	NA	NA	NA	NA
		27-Feb-96	AEN	<0 05	0 18	<0 0005	<0 0005	<0 0005	<0 002	NA	NA	NA	NA	NA	NA	NA	NA
		01-May-96	AEN	<0 05	0 10	<0 0005	<0 0005	<0 0005	<0 002	NA	NA	NA	NA	NA	NA	NA	NA
		04-Sep-96	AEN	<0 05	0 25	<0.0005	<0 0005	<0 0005	<0 002	NA	NA	NA	NA	NA	NA	NA	NA
MW-2		01-Dec-94	AEN	7.10	NA	0 065	<0 01	0 13	0 47	NA	NA	NA	NA	NA	NA	NA	NA
		17-Feb-95	AEN	3 50	0 30	0 045	0 005	0 11	0 35	NA	NA	NA	NA	NA	NA	NA	NA
		09-May-95	AEN	3 50	0 20	0 025	0 009	0 085	0 25	NA	NA	NA	NA	NA	NA	NA	NA
		31-Aug-95	AEN	0 90	0 20	0 011	<0 0005	0 032	0 072	NA	NA	NA	NA	NA	NA	NA	NA
		20-Dec-95	AEN	2 60	<0 05	0 016	0 002	0 079	0 24	NA	NA	NA	NA	NA	NA	NA	NA
		27-Feb-96	AEN	4 10	0 20	0 076	0.0095	0 21	0 62	NA	NA	NA	NA	NA	NA	NA	NA
		01-May-96	AEN	2 40	0 23	0 039	0.0047	0 098	0 26	NA	NA	NA	NA	NA	NA	NA	NA
		04-Sep-96	AEN	0 54	0 22	0.0024	<0.0005	0 018	0 045	NA	NA	NA	NA	NA	NA	NA	NA
		17-Dec-96	A2AC	0 776	<0 010	0.004	0 009	0 011	0 019	NA	NA	NA	NA	NA	NA	NA	NA
		18-Feb-97	AEN	1 2	0 24	0.015	0 0009	0 057	0 140	NA	NA	NA	NA	NA	NA	NA	NA
		15-May-97	AEN	0 46	0 11	0 0033	<0 0005	0.035	0 059	NA	NA	NA	NA	NA	NA	NA	NA
	(44)	11-Dec-97	AEN	1 7	0.15	0 016	0 0010	0 061	0 106	NA	NA	NA	NA	NA	NA	NA	NA
		10-Mar-98	AEN	0 81	0.14	0.011	0 0006	0.045	0 086	NA	NA	NA	NA	NA	NA	NA	NA
		15-Sep-98	ENT	0 95	<0.05	0.0061	<0 0005	0 054	0 051	NA	NA	NA	NA	NA	NA	NA	NA
		02-Mar-99	CT	1 10	0 36	<0.0005	0 0016	0 042	0 052	NA	NA	NA	NA	NA	NA	NA	NA
		22-Sep-99	CT	0 29	0 082	<0.0005	<0 0005	0.019	0 015	NA	NA	NA	NA	NA	NA	NA	NA
		10-May-00	CT	0 92	0 085	<0.0005	0 0011	0 043	0 035	NA	NA	NA	NA	NA	NA	NA	NA
		12-Sep-00	CT	0.50	0 099	<0.0005	<0 0005	0 040	0 025	NA	NA	NA	NA	NA	NA	NA	NA
		08-May-01	CT	0 15	NA	<0 0005	<0 0005	0 012	0 0045	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005	ND
MW-3		12-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0.0005	<0.0005	<0 0005	<0.0005	<0 0005	ND
		01-Dec-94	AEN	NA	0 07	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005	<0.0005	<0 0005	ND
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0.0005	<0 0005	<0 0005	<0.0005	<0 0005	ND
		08-May-95	AEN	NA	0 07	NA	NA	NA	NA	<0 0005	<0 0005	<0.0005	<0.0005	<0 0005	<0.0005	<0 0005	ND
		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0.0005	<0.0005	<0.0005	<0 0005	<0 0005	ND
		20-Dec-95	AEN	NA	<0 05	NA	NA	NA	NA	<0 0005	<0.0005	<0.0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0.0005	<0 0005	<0 0005	<0.0005	<0 0005	<0 0005	ND
		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0.0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
		04-Sep-96	AEN	NA	0 11	NA	NA	NA	NA	<0.0005	<0.0005	<0 0005	<0 0005	<0 0005	<0 0005	<0.0005	ND
		17-Dec-96	A2AC	NA	<0 010	NA	NA	NA	NA	<0.001	<0.001	<0 001	<0 001	<0.001	<0.001	<0 001	ND
		18-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0 0005	<0 0005	<0 0005	<0.0005	<0.0005	ND
	dup	18-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0 0005	<0 0005	<0.0005	<0 0005	<0.0005	<0.0005	ND
		15-May-97	AEN	NA	0 08	NA	NA	NA	NA	<0 0005	<0 0005	<0.0005	<0.0005	<0 0005	<0.0005	<0.0005	ND
		21-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0.0005	<0.0005	<0 0005	<0.0005	<0 0005	ND
		11-Dec-97	AEN	NA	<0 05	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005	<0.0005	<0.0005	ND
		10-Mar-98	AEN	NA	<0 05	NA	NA	NA	NA	<0 0005	<0.0005	<0.0005	<0.0005	<0 0005	<0.0005	<0 0005	ND
		15-Sep-98	ENT	NA	<0 05	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005	<0.0005	<0 0005	ND
		03-Mar-99	CT	NA	<0 05	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0.0005	<0.0005	<0.0005	<0 0005	ND
		22-Sep-99	CT	NA	<0 05	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0.0005	<0.0005	<0.0005	<0 0005	ND
		09-May-00	CT	NA	<0 05	NA	NA	NA	NA	<0 0005	<0 0005	<0.0005	<0 0005	<0 0005	<0.0005	<0 0005	ND
		12-Sep-00	CT	NA	<0 05	NA	NA	NA	NA	<0 0005	<0 0005	<0.0005	<0.0005	0.0012	<0 0005	<0 0005	0 0012

Table 4
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
		08-May-01	CT	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
MW-4		01-Dec-94	AEN	NA	0 09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		08-May-95	AEN	NA	0 10	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	0 004	<0.0005	<0 0005	0 004
		20-Dec-95	AEN	NA	0 09	NA	NA	NA	NA	<0 0005	<0.0005	<0 0005	<0 0005	0 001	<0 0005	<0.0005	0 001
		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0.0005	<0 0005	<0 0005	0 0022	<0 0005	<0.0005	0 0022
		04-Sep-96	AEN	NA	0 14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	(27)	17-Dec-96	A2AC	NA	<0 010	NA	NA	NA	NA	<0.001	<0.001	<0 001	0 002	0 001	<0 001	0.001	0 004
		15-May-97	AEN	NA	0 45	NA	NA	NA	NA	<0 0005	<0.0005	<0.0005	<0 0005	0 0013	<0 0005	<0.0005	0 0013
		11-Dec-97	AEN	NA	0.08	NA	NA	NA	NA	<0 0005	<0.0005	<0.0005	<0 0005	0 0008	<0 0005	<0.0005	0 0008
		10-Mar-98	AEN	NA	0.08	NA	NA	NA	NA	<0.0005	<0 0005	<0 0005	<0.0005	<0.0005	<0 0005	<0 0005	ND
		15-Sep-98	ENT	NA	<0.05	NA	NA	NA	NA	<0 0005	<0.0005	<0 0005	<0 0005	<0.0005	<0 0005	<0 0005	ND
		03-Mar-99	CT	NA	0.071	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0 0005	0.0005	<0 0005	<0 0005	0 0005
		22-Sep-99	CT	NA	0 073	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0 0005	<0.0005	ND
		09-May-00	CT	NA	<0.05	NA	NA	NA	NA	<0 0005	<0.0005	<0 0005	<0 0005	<0.0005	<0 0005	<0 0005	ND
		11-Sep-00	CT	NA	<0.05	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	<0 0005	<0.0005	0 0005
		09-Feb-01	CT	NA	0 072	NA	NA	NA	NA	<0.0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0.0005
		09-May-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0 0005	<0.0005	<0 0005	<0 0005	ND
MW-5		13-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0 0005	0.001	0.0007	0 003	0.002	<0 0005	<0 0005	0 0067
		01-Dec-94	AEN	NA	0 05	NA	NA	NA	NA	<0 0005	0.0007	0.0005	0 004	0.003	<0 0005	<0 0005	0 0082
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	0 001	0.002	0 008	0.003	<0.0005	<0 0005	0 014
		08-May-95	AEN	NA	0 09	NA	NA	NA	NA	0 0005	0.002	0.002	0.016	0.005	<0 0005	<0.0005	0.0255
		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	0 0007	0.002	0.002	0 013	0 004	<0 0005	<0.0005	0.0217
		20-Dec-95	AEN	NA	0 1	NA	NA	NA	NA	<0 0005	0.001	0.0008	0.009	0.002	<0 0005	<0.0005	0.0128
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0 0005	0.0008	0.0024	0 010	0.0029	<0 0005	<0.0005	0.0161
		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0.0005	0.001	0 0051	0.0021	<0.0005	<0.0005	0.0082
		04-Sep-96	AEN	NA	0 24	NA	NA	NA	NA	<0 0005	<0.0005	0.0010	0.0051	0.0022	<0 0005	<0.0005	0.0083
		17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0.001	<0 001	0 002	0.005	0.002	<0.001	<0.001	0 009
		18-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0.0005	0.0009	0.0079	0 002	<0.0005	<0.0005	0.0108
		15-May-97	AEN	NA	0 07	NA	NA	NA	NA	0 0006	0 0005	0.0021	0.019	0.0039	<0.0005	<0.0005	0.0261
		21-Aug-97	AEN	NA	NA	NA	NA	NA	NA	0 0006	<0.0005	0 0026	0.019	0.0041	<0.0005	<0.0005	0 0263
duplicate		21-Aug-97	AEN	NA	NA	NA	NA	NA	NA	0 0005	<0.0005	0.0024	0.015	0.0038	<0.0005	<0.0005	0.0217
		11-Dec-97	AEN	NA	0 06	NA	NA	NA	NA	<0 0005	<0.0005	0.0019	0.012	0.0029	<0.0005	<0.0005	0 0168
		10-Mar-98	AEN	NA	0 05	NA	NA	NA	NA	<0 0005	<0.0005	0.0015	0.0071	0.0024	<0.0005	<0.0005	0.011
		15-Sep-98	ENT	NA	<0 05	NA	NA	NA	NA	<0 0005	<0.005	0.0005	<0.0005	0.0015	<0.0005	<0.0005	0.002
		02-Mar-99	CT	NA	<0 05	NA	NA	NA	NA	<0 0005	<0.0005	0.0014	0.0092	0.0023	<0.0005	<0.0005	0 0129
		22-Sep-99	CT	NA	<0.05	NA	NA	NA	NA	<0 0005	<0 0005	0.0019	0 0048	0.0014	<0.0005	<0.0005	0 0081
		09-May-00	CT	NA	<0.05	NA	NA	NA	NA	<0 0005	<0.0005	0.0009	0 0052	0.0013	<0.0005	<0.0005	0.0074
		11-Sep-00	CT	NA	<0 05	NA	NA	NA	NA	<0 0005	<0.0005	0 0013	0 0057	0.0014	<0.0005	<0.0005	0.0084
		09-Feb-01	CT	NA	<0 05	NA	NA	NA	NA	<0 0005	<0.0005	0.0014	0 011	0.0019	<0.0005	<0 0005	0.0143
		09-May-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0 0005	0.0014	0 0095	0.0014	<0.0005	<0.0005	0.0123
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

Table 4

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	A2AC	NA	<0 010	NA	NA	NA	NA	0 010	0 060	<0 001	0 310	<0 001	<0 001	<0 001	0.38
		18-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0 003	0 029	<0 003	0 260	0 003	<0 003	<0 003	0.292
		15-May-97	AEN	NA	0 07	NA	NA	NA	NA	<0 003	0 018	<0.003	0 200	0 004	<0 003	<0 003	0 222
		21-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0 003	0 019	<0.003	0 230	0 003	<0.003	<0 003	0 252
		11-Dec-97	AEN	NA	0 07	NA	NA	NA	NA	<0 003	0 020	<0 003	0 210	0 004	<0 003	<0 003	0 234
		09-Mar-98	AEN	NA	0 08	NA	NA	NA	NA	<0 003	0 015	<0.003	0 180	0 003	<0 003	<0 003	0 198
		14-Sep-98	ENT	NA	<0 05	NA	NA	NA	NA	<0 003	0 0099	<0.003	0 210	0 0048	<0.003	<0 003	0 2247
		02-Mar-99	CT	NA	<0 05	NA	NA	NA	NA	<0 001	0 015	<0 001	0.210	0 0045	<0.001	<0 001	0 2295
	(61)	22-Sep-99	CT	NA	0.059	NA	NA	NA	NA	<0 001	0 015	<0.001	0.240	0 0045	<0 001	<0 001	0 2624
	(63)	10-May-00	CT	NA	<0 05	NA	NA	NA	NA	<0 001	0 0098	<0 001	0 190	0 0033	<0.001	<0 001	0 2031
	(69)	11-Sep-00	CT	NA	<0 05	NA	NA	NA	NA	<0 0005	0 011	<0 0005	0 180	0 0034	<0 0005	<0 0005	0 1969
	(72)	09-Feb-01	CT	NA	0 059	NA	NA	NA	NA	<0 0005	0 0086	<0 0005	0 160	0 0033	<0 0005	<0 0005	0 1719
		08-May-01	CT	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
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
	(51)	02-Mar-99	CT	NA	0 055	NA	NA	NA	NA	<0 0005	0 011	<0.0005	0.200	0 0081	<0.0005	<0 0005	0.2263
	(60)	22-Sep-99	CT	NA	0 076	NA	NA	NA	NA	0 0012	0 010	<0.0005	0.220	0 0076	<0.0005	<0 0005	0.247
	(64)	09-May-00	CT	NA	<0 05	NA	NA	NA	NA	0 0011	0 008	<0 0005	0.220	0 0062	<0.0005	<0.0005	0.243
	(67)	11-Sep-00	CT	NA	NA	NA	NA	NA	NA	<0 0005	0 004	<0 0005	0 120	0 0043	<0.0005	<0.0005	0 1349
duplicate	(68)	11-Sep-00	CT	NA	NA	NA	NA	NA	NA	<0 0005	0 0043	<0 0005	0 120	0.0044	<0.0005	<0.0005	0.135
	(73)	09-Feb-01	CT	NA	0 056	NA	NA	NA	NA	<0 0005	0 0041	<0 0005	0 140	0.0051	<0.0005	<0.0005	0 1544
		08-May-01	CT	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	0 011	0.0007	<0.0005	<0.0005	0 0117
MW-8	(3)	13-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	0 0005	<0 0005	<0 0005	0 0005
		02-Dec-94	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005	<0 0005	ND
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0.0005	<0.0005	<0 0005	ND
		09-May-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0 0005	<0 0005	<0 0005	<0.0005	<0.0005	<0.0005	ND
		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0 0005	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005	ND
		20-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0 0005	<0 0005	<0 0005	<0.0005	<0.0005	<0 0005	ND
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0.0005	<0 0005	<0 0005	<0 0005	<0.0005	<0.0005	<0 0005	ND
		29-Apr-96	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0.0005	<0.0005	<0 0005	ND
		04-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005	ND
		17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0 001	<0 001	<0 001	<0 001	<0.001	<0.001	<0 001	ND
		19-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0.0005	<0.0005	<0.0005	<0.0005	ND
		15-May-97	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005	<0.0005	<0 0005	ND
duplicate		15-May-97	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0.0005	<0.0005	ND

Table 4
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
		21-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
		11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
		10-Mar-98	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
		15-Sep-98	ENT	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
		02-Mar-99	CT	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
		21-Sep 99	CT	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
		09-May-00	CT	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
		12-Sep-00	CT	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
MW-9		12-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0 0005	0 017	<0 0005	0 120	0 0005	0 006	<0 0005	0 1435
duplicate		12-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0 0005	0 015	<0 0005	0 120	0 0005	0 009	<0 0005	0 1445
		30-Nov-94	AEN	NA	NA	NA	NA	NA	NA	<0 0005	0 016	<0 0005	0 150	0 0005	<0 0005	<0 0005	0 1665
duplicate		30-Nov-94	AEN	NA	NA	NA	NA	NA	NA	<0 0005	0 016	<0 0005	0 160	0 0005	<0 0005	<0 0005	0 1765
		16-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0 003	0 014	<0.003	0 120	<0 003	<0 003	<0 003	0 134
		08-May-95	AEN	NA	NA	NA	NA	NA	NA	<0 0005	0 013	<0 0005	0 110	0 005	<0 0005	<0 0005	0 128
		31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0 003	0.013	<0 003	0 130	0 004	<0 003	<0 003	0 147
		20-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0.003	0 009	<0 003	0 092	<0 003	<0 003	<0.003	0 101
		27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0 0005	0 0099	<0 0005	0 087	0 0035	<0.0005	<0 0005	0 1004
		03-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0 0005	0 0083	<0 0005	0 099	0 0030	<0 0005	<0 0005	0 1103
duplicate		03-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0 0005	0 0078	<0 0005	0 097	0 0026	<0 0005	<0 0005	0 1074
		17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0.001	0 005	<0 001	0 059	0 002	<0 001	<0 001	0 066
	dup	17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0 001	0 006	<0 001	0.064	0 002	<0 001	<0.001	0 072
		19-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0 0005	0 008	<0 0005	0 087	0 0023	<0.0005	<0 0005	0 0973
		15-May-97	AEN	NA	NA	NA	NA	NA	NA	<0 0005	0.0056	<0 0005	0 063	0 0025	<0 0005	<0 0005	0 0711
		22-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0 0005	0 0080	<0 0005	0.067	0 0022	<0.0005	<0.0005	0.0772
		11-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0 0005	0.0050	<0 0005	0 058	0 0022	<0.0005	<0.0005	0.0652
		10-Mar-98	AEN	NA	NA	NA	NA	NA	NA	<0 0005	0 0060	<0 0005	0 084	0 0018	<0.0005	<0.0005	0 0918
		14-Sep-98	ENT	NA	NA	NA	NA	NA	NA	<0 0005	0.0037	<0 0005	0 078	0 0030	<0.0005	<0.0005	0.0847
		02-Mar-99	CT	NA	NA	NA	NA	NA	NA	<0 0005	0.0049	<0 0005	0 078	0 0022	<0 0005	<0.0005	0.0851
		22-Sep-99	CT	NA	NA	NA	NA	NA	NA	<0 0005	0 0052	0 0013	0 091	0 0022	<0 0005	<0.0005	0 0997
		08-Feb-01	CT	NA	< 05	NA	NA	NA	NA	<0 0005	0 0020	<0 0005	0 044	0 0014	<0 0005	<0.0005	0 0474
		08-May-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	0 0016	<0 0005	0 032	0 0014	<0 0005	<0 0005	0 035
MW-10R		20-Dec-95	AEN	NA	NA	NA	NA	NA	NA	0 910	<0 005	0 007	<0.005	<0 005	<0 005	0.222	1 139
	(19)	29-Apr-96	AEN	NA	NA	NA	NA	NA	NA	0.650	<0 005	<0 005	<0 005	<0 005	<0.005	<0 005	0 65
	(28)	17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	0.610	<0 001	<0 001	<0.001	<0 001	<0.001	0 160	0 77
		15-May-97	AEN	NA	NA	NA	NA	NA	NA	0.500	<0 005	<0 005	<0.005	<0.005	<0.005	0.156	0 656
	(47)	12-Dec-97	AEN	NA	NA	NA	NA	NA	NA	0 420	<0 005	<0.005	<0.005	<0 005	<0.005	0 125	0 545
		10-Mar-98	AEN	NA	NA	NA	NA	NA	NA	0 500	<0 005	<0.005	<0 005	<0 005	<0.005	0.140	0.64
		15-Sep-98	ENT	NA	NA	NA	NA	NA	NA	0 550	<0 005	<0.005	<0 005	<0 005	<0 005	0 032	0.582
	(55)	03-Mar-99	CT	NA	NA	NA	NA	NA	NA	0 390	0 0011	0 0045	0 0019	<0 0005	0 0005	0.141	0.539
	(58)	21-Sep-99	CT	NA	NA	NA	NA	NA	NA	0 400	<0 0017	0 0065	0 0020	<0 0017	<0.0017	0.113	0.5315
	(65)	09-May-00	CT	NA	NA	NA	NA	NA	NA	0 340	<0 0013	0 004	0 0016	<0 0013	<0.0013	0.108	0.4636
duplicate	(66)	09-May-00	CT	NA	NA	NA	NA	NA	NA	0.320	<0 0013	0 0033	0 0170	<0 0013	<0.0013	0.100	0 4495
	(70)	12-Sep-00	CT	NA	NA	NA	NA	NA	NA	0 410	<0 0017	0.0037	0 0021	<0.0017	<0.0017	0.144	0 5728
	(74)	08-May-01	CT	NA	NA	NA	NA	NA	NA	0 340	<0 0017	0 0033	<0 0017	<0 0017	<0.0017	0 124	0.4783
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

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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
		10-Mar-98	AEN	NA	0 49	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
		16-Sep-98	ENT	NA	<0 05	NA	NA	NA	NA	<0 0005	<0 0005	<0.0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
		03-Mar-99	CT	NA	0 47	NA	NA	NA	NA	<0.0005	<0 0005	<0.0005	<0 0005	0 0006	<0 0005	<0 0005	0 0006
		22-Sep-99	CT	NA	0 46	NA	NA	NA	NA	0 0006	<0 0005	<0.0005	<0 0005	0 0013	<0 0005	0.0009	0 0028
		09-May-00	CT	NA	0 38	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005
		12-Sep-00	CT	NA	0 43	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	0 001	<0 0005	0.0007	0 0017
		08-May-01	CT	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
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	0 074	
		05-Sep-96	AEN	NA	0 34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	(31)	17-Dec-96	A2AC	NA	<0 010	NA	NA	NA	NA	0.110	<0 001	<0 001	<0.001	<0 001	<0 001	0 100	0.21
		19-Feb-97	AEN	NA	0 35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-34R		27-Dec-95	AEN	NA	0 3	NA	NA	NA	NA	0 009	<0 0005	<0 0005	<0.0005	<0 0005	<0.0005	<0 0005	0.009
	(23)	29-Apr-96	AEN	NA	NA	NA	NA	NA	NA	0 035	0 0011	<0 0005	<0.0005	<0 0005	<0.0005	<0 0005	0 0361
		17-Dec-96	AEN	NA	NA	NA	NA	NA	NA	0.018	<0 001	<0 001	0 002	<0 001	<0.001	0 005	0.025
	(40)	15-May-97	AEN	NA	NA	NA	NA	NA	NA	0 0028	<0 0005	<0 0005	<0.0005	<0 0005	<0.0005	0 0008	0.0036
	(46)	12-Dec-97	AEN	NA	NA	NA	NA	NA	NA	0 0012	<0 0005	<0 0005	<0.0005	<0 0005	<0.0005	<0 0005	0.0012
	(49)	10-Mar-98	AEN	NA	NA	NA	NA	NA	NA	0.020	<0 0005	<0 0005	0 0021	<0 0005	<0.0005	0 0015	0 249
		16-Sep-98	ENT	NA	NA	NA	NA	NA	NA	0 0073	<0 0005	<0 0005	0 0010	<0.0005	<0.0005	0 0022	0.0022
	(54)	03-Mar-99	CT	NA	NA	NA	NA	NA	NA	0.011	<0 0005	<0 0005	0 0022	<0.0005	<0.0005	0.002	0.0152
	(57)	21-Sep-99	CT	NA	NA	NA	NA	NA	NA	0 018	0 0006	0.0013	0 0038	0 0007	<0.0005	0 0032	0.0288
duplicate	(57)	21-Sep-99	CT	NA	NA	NA	NA	NA	NA	0 017	0 0006	0 0013	0 0035	0 0007	<0.0005	0 0032	0 0275
		09-May-00	CT	NA	NA	NA	NA	NA	NA	0.018	<0 0005	<0 0005	0 0033	0 0006	<0.0005	0 0027	0 0246
	(71)	12-Sep-00	CT	NA	NA	NA	NA	NA	NA	0.036	0 0007	<0 0005	0 004	0 0008	<0.0005	0.0038	0 046
		08-May-01	CT	NA	NA	NA	NA	NA	NA	0 018	<0 0005	<0 0005	0 0041	0 0006	<0.0005	0.0029	0 0256
LF-13		09-May-95	AEN	NA	NA	NA	NA	NA	NA	0 006	<0.0005	<0 0005	<0 0005	<0.0005	<0.0005	<0 0005	0 006
		28-Dec-95	AEN	NA	NA	NA	NA	NA	NA	0 006	<0 0005	<0 0005	<0.0005	<0 0005	<0.0005	<0 0005	0 006
		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	0 0031	<0 0005	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005	0 0031
duplicate		30-Apr-96	AEN	NA	NA	NA	NA	NA	NA	0 0031	<0 0005	<0 0005	<0.0005	<0 0005	<0.0005	<0 0005	0 0031
	(38)	17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	0 003	<0 001	<0 001	<0 001	<0 001	<0.001	<0.001	0 003
LF-22		12-Jul-91	ANA	NA	NA	NA	NA	NA	NA	0 0007	0 012	0.0017	0 053	0 0063	0 0016	<0 0005	0.0753
		07-Jan-92	ANA	NA	NA	NA	NA	NA	NA	<0.0005	0 009	0 0037	0.041	0 0054	0.0011	<0 0005	0.0602
		16-Apr-92	ANA	NA	NA	NA	NA	NA	NA	<0.0005	0 0026	0.0018	0 015	0 0021	<0.0005	<0 0005	0.0215
	(1)	23-Jul-92	ANA	NA	NA	NA	NA	NA	NA	<0.0005	0 0034	0.0014	0.027	0 0052	<0.0005	<0 0005	0.037
		20-Oct-92	ANA	NA	NA	NA	NA	NA	NA	0 0008	0 0013	0 0007	0 014	0 004	<0.0005	<0 0005	0 02074
		25-May-93	ANA	NA	NA	NA	NA	NA	NA	<0 0005	0 0008	0 0006	0 0061	0 0024	<0.0005	<0 0005	0 00992
		13-Jul-93	ANA	NA	NA	NA	NA	NA	NA	0.0007	0 001	0 0009	0 0077	0 0033	<0.0005	<0 0005	0 01352
	(4)	13-Sep-94	AEN	NA	NA	NA	NA	NA	NA	0 004	<0 0005	0 008	0 003	0 001	0 0007	<0 0005	0 0167
		01-Dec-94	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	0 0006	0 0009	<0.0005	<0 0005	0 0015
		17-Feb-95	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	0 0006	0 0007	0.001	<0 0005	<0.0005	0.0023
		09-May-95	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	0 0007	0.0007	<0 0005	<0 0005	0.0014

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Well ID	Notes	Date Sampled	Lab	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TCE	1,1,1-TCA	PCE	1,1-DCE	1,1-DCA	1,2-DCA	cis/trans-1,2-DCE	Total VOCs
duplicate		09-May-95	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	0 0005	0 0006	<0 0005	<0 0005	0 0011
	(11)	31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	0 001	0 001	<0 0005	<0 0005	0 002
duplicate	(11)	31-Aug-95	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	0 001	0 001	<0 0005	<0 0005	0 002
		20-Dec-95	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
	(17)	27-Feb-96	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
	(24)	29-Apr-96	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
		04-Sep-96	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005	<0 0005	<0 0005	ND
		17-Dec-96	A2AC	NA	NA	NA	NA	NA	NA	<0 001	<0 001	<0 001	<0 001	<0 001	<0 001	<0.001	ND
		18-Feb-97	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
		16-May-97	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005	<0.0005	<0 0005	ND
		22-Aug-97	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0.0005	ND
		12-Dec-97	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005	ND
		09-Mar-98	AEN	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
		16-Sep-98	ENT	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
		03-Mar-99	CT	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005	<0 0005	<0 0005	ND
		22-Sep-99	CT	NA	NA	NA	NA	NA	NA	0 0008	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0.0005	0 0008
		09-May-00	CT	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005	<0.0005	<0 0005	ND
		12-Sep-00	CT	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005	<0 0005	<0.0005	ND
		08-Feb-01	CT	NA	< 05	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005	<0 0005	<0 0005	ND
		09-May-01	CT	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	ND
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
		09-May-00	CT	NA	NA	NA	NA	NA	NA	0 0006	<0 0005	0 0007	<0.0005	<0 0005	<0 0005	<0.0005	0 0013
		12-Sep-00	CT	NA	NA	NA	NA	NA	NA	0 0008	<0 0005	0 0014	<0 0005	0 001	0 0007	<0.0005	0.0036
		08-Feb-01	CT	NA	0 059	NA	NA	NA	NA	0 0005	<0 0005	0 0009	<0 0005	<0.0005	<0.0005	<0 0005	0.0014
duplicate		08-Feb-01	CT	NA	0 073	NA	NA	NA	NA	0 0006	<0 0005	0 0008	<0 0005	<0 0005	<0.0005	<0.0005	0.0014
		09-May-01	CT	NA	NA	NA	NA	NA	NA	0 0005	<0 0005	0 0006	<0 0005	<0 0005	<0 0005	<0 0005	0.0011
duplicate		09-May-01	CT	NA	NA	NA	NA	NA	NA	0 0005	<0 0005	0 0006	<0 0005	<0 0005	<0 0005	<0 0005	0.0011

Table 4
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 Extraction Wells (20 to 30 feet below grade)																	
EX-3		14-Sep-94	AEN	NA	NA	NA	NA	NA	NA	0 004	0 014	0 042	0 100	0 005	0 001	0.008	0 174
		02-Dec-94	AEN	NA	0 10	NA	NA	NA	NA	0 004	0 015	0 045	0 140	0 005	<0 0005	<0 0005	0 209
		17-Feb-95	AEN	NA	<0 05	NA	NA	NA	NA	0 003	0 014	0 037	0 096	0 005	<0 0005	<0 0005	0 155
		09-May-95	AEN	NA	0 10	NA	NA	NA	NA	0 003	0 012	0 031	0 120	0 005	<0 0005	<0 0005	0 171
		31-Aug-95	AEN	NA	0 10	NA	NA	NA	NA	<0 003	0 012	0 027	0 120	0 005	<0 003	<0 003	0 164
		28-Dec-95	AEN	NA	0 10	NA	NA	NA	NA	<0 003	0 009	0 036	0 160	0 004	<0 003	<0 003	0 209
		27-Feb-96	AEN	NA	0 12	NA	NA	NA	NA	<0 003	0 0077	0 030	0 120	0 0032	<0 003	<0 003	0 1609
		30-Apr-96	AEN	NA	0 08	NA	NA	NA	NA	<0 003	0 008	0 026	0 120	0 003	<0 003	<0 003	0 157
		05-Sep-96	AEN	NA	0 14	NA	NA	NA	NA	<0 003	0 008	0 029	0 140	0 004	<0 003	<0 003	0 181
		17 Dec-96	A2AC	NA	<0 010	NA	NA	NA	NA	0 006	0 010	0 020	0 098	0 003	<0 001	0 004	0 141
		19-Feb-97	AEN	NA	<0 05	NA	NA	NA	NA	<0 003	0 006	<0 003	0 070	<0 003	<0 003	<0 003	0 076
		15-May-97	AEN	NA	0 12	NA	NA	NA	NA	<0 0005	0 007	0 0048	0 082	0 0025	<0.0005	<0.0005	0 0963
	(42)	21-Aug-97	AEN	NA	<0 05	NA	NA	NA	NA	<0 0005	0 0073	0 0053	0 075	0 0022	<0 0005	<0.0005	0 0898
		12-Dec-97	AEN	NA	0 06	NA	NA	NA	NA	<0 0005	0 0079	0 0050	0 083	0 0029	<0 0005	<0.0005	0 0988
		09-Mar-98	AEN	NA	0 05	NA	NA	NA	NA	<0 0005	0 0043	0 0035	0 062	0 0021	<0 0005	<0.0005	0.0719
		16-Sep-98	ENT	NA	<0 05	NA	NA	NA	NA	<0 0005	0 0037	0 0300	0 150	<0 0005	<0 0005	<0.0005	0.1837
		14-Jun-99	CT	NA	0 056	NA	NA	NA	NA	0 0021	0 0075	0 0270	0 160	0 0040	<0 0005	<0.0005	0 2006
		23-Sep-99	CT	NA	<0 05	NA	NA	NA	NA	0 0024	0 0062	0 0310	0 140	0 0039	<0 0005	<0.0005	0 1835
		10-May-00	CT	NA	<0 05	NA	NA	NA	NA	0.0022	0 0060	0 0260	0 160	0 0041	<0 0005	<0.0005	0 1983
		24-Oct-00	CT	NA	<0 05	NA	NA	NA	NA	0.0016	0 0047	0 0210	0 130	0 0035	0 0007	<0.0005	0 1615
EX-4		14-Sep-94	AEN	NA	NA	NA	NA	NA	NA	<0 0005	0 025	0 010	0 220	0 006	0 001	<0.0005	0 262
		02-Dec-94	AEN	NA	0 09	NA	NA	NA	NA	<0 0005	0 020	0 011	0 240	0 006	<0 0005	<0.0005	0 277
		17-Feb-95	AEN	NA	<0 05	NA	NA	NA	NA	<0 003	0.017	0 011	0 210	0 004	<0 003	<0.003	0 242
		09-May-95	AEN	NA	0 10	NA	NA	NA	NA	<0 003	0 020	0 011	0 210	0 004	<0 003	<0.003	0 245
		31-Aug-95	AEN	NA	0 20	NA	NA	NA	NA	<0 003	0 016	0 010	0 200	0 005	<0.003	<0 003	0 231
		28-Dec-95	AEN	NA	0 10	NA	NA	NA	NA	<0 003	0 014	0 014	0 210	0 004	<0.003	<0 003	0 242
		27-Feb-96	AEN	NA	0 13	NA	NA	NA	NA	<0 0005	0.0086	0 012	0 150	<0.0005	<0 0005	<0 0005	0 1706
		30-Apr-96	AEN	NA	0 06	NA	NA	NA	NA	<0 003	0.010	0 010	0 150	<0 003	<0.003	<0.003	0 17
		05-Sep-96	AEN	NA	0 14	NA	NA	NA	NA	<0 003	0 008	0 009	0 140	0 003	<0.003	<0 003	0 16
		17-Dec-96	A2AC	NA	0 334	NA	NA	NA	NA	0 001	0 009	0 010	0 090	0.003	<0.001	0 004	0 117
		19-Feb-97	AEN	NA	0 11	NA	NA	NA	NA	<0 003	0 005	0 005	0 097	<0 003	<0.003	<0 003	0 107
		15-May-97	AEN	NA	0 17	NA	NA	NA	NA	<0 003	0.006	0 008	0 110	0.003	<0.003	<0 003	0 127
		21-Aug-97	AEN	NA	0 13	NA	NA	NA	NA	<0.003	0.005	0 007	0 087	<0.003	<0.003	<0 003	0 099
		12-Dec-97	AEN	NA	<0 05	NA	NA	NA	NA	<0.003	0 007	0 014	0 097	0.003	<0.003	<0 003	0 121
		09-Mar-98	AEN	NA	0 13	NA	NA	NA	NA	<0 0005	0 0051	0 0098	0 072	0 0023	<0 0005	0 072	0 1612
		16-Sep-98	ENT	NA	<0 05	NA	NA	NA	NA	<0 0005	0 0025	0 0120	0 096	0 0009	<0 0005	<0.0005	0 1114
	(156)	03-Mar-99	CT	NA	<0 05	NA	NA	NA	NA	<0 0005	0 0038	0 0091	0 063	0 0021	<0 0005	<0 0005	0 079
		23-Sep-99	CT	NA	<0 05	NA	NA	NA	NA	<0 0005	0 0037	0 012	0 071	0 0023	<0 0005	<0 0005	0 0927
		10-May-00	CT	NA	<0 05	NA	NA	NA	NA	<0 0005	0 0041	0 012	0 096	0 0027	<0 0005	<0.0005	0 1148
		24-Oct-00	CT	NA	<0 05	NA	NA	NA	NA	<0 0005	0 0028	0 009	0 065	0 0020	0 0008	<0.0005	0 0794
EXTR		27-Feb-96	AEN	NA	0 15	NA	NA	NA	NA	<0 0005	0.0069	0.0013	0 066	0.0028	<0.0005	<0.0005	0 077
		30-Apr-96	AEN	NA	0 11	NA	NA	NA	NA	<0 0005	0.0055	0 0012	0 063	0.0024	<0.0005	<0.0005	0 0721
		05-Sep-96	AEN	NA	0 12	NA	NA	NA	NA	<0 0005	0.0082	0.0031	0 099	0 0031	<0.0005	<0 0005	0 1134
		17-Dec-96	A2AC	NA	1 520	NA	NA	NA	NA	0 001	0 008	0 009	0 074	0 002	<0 001	0.004	0 098
		19-Feb-97	AEN	NA	0 13	NA	NA	NA	NA	<0 0005	0 0034	0 0021	0 059	0 0016	<0 0005	<0.0005	0 0661
		15-May-97	AEN	NA	0 08	NA	NA	NA	NA	<0 0005	0 0041	0.0018	0 060	0 0021	<0 0005	0 0006	0 0686
		21-Aug-97	AEN	NA	0 07	NA	NA	NA	NA	<0 0005	0 007	0 0048	0 073	0 0023	<0.0005	<0.0005	0 0871
		12-Dec-97	AEN	NA	<0 05	NA	NA	NA	NA	0 0006	0 0063	0 0040	0 075	0 0031	<0.0005	0.0006	0 0896
		09-Mar 98	AEN	NA	0 07	NA	NA	NA	NA	<0 0005	0 0043	0 0040	0 064	0 0021	<0 0005	<0.0005	0 0744

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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
		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-FB	(52)	02-Mar-99	CT	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	<0.0005	0 025
MW-10-FB		21-Sep-99	CT	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005	<0 0005	ND
MW-10-FB		09-May-00	CT	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0 0005	<0.0005	<0 0005	<0.0005	<0 0005	ND
MW-6D-FB		11-Sep-00	CT	NA	NA	NA	NA	NA	NA	<0 0005	<0 0005	<0.0005	<0.0005	<0 0005	<0.0005	<0.0005	ND
LF-22-FB		08-Feb-01	CT	NA	<.05	NA	NA	NA	NA	<0 0005	<0 0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0 0005
FBMWS		09-May-01	CT	NA	NA	NA	NA	NA	NA	<0.0005	<0.0005	<0.0005	<0 0005	<0.0005	<0.0005	<0.0005	

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

NOTES:

Key to abbreviations:

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

RWQCB RBSL denotes Regional Water Quality Control Board Risk-Based Screening Level
NE denotes none established.

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

Tompkins Berkeley CA

AEN = American Environmental Network in Pleasant Hill California

ANA = Inchcape Testing Anametrix Inc in San Jose California

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Semiannual Summary of Groundwater Quality Data
East Baybridge Center
Emeryville and Oakland, California
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Well ID	Notes	Date Sampled	Lab	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TCE	1,1,1-TCA	PCE	1,1-DCE	1,1-DCA	1,2-DCA	cis/trans-1,2-DCE	Total VOCs

A2AC Aqua Air (A2) Analytical Corporation
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 0003
(43) Chloroform-0 0009
(44) Methyl t-Butyl Ether 0 063
(45) Chloroform 0 0006
(46) Bromodichloromethane 0 0010 Chloroform 0 015
(47) Vinyl chloride 0 006
(48) Vinyl chloride 0 006
(49) 1 1 2-Trichlorotrifluoroethane
(50) A duplicate sample was collected at MW-7D The results for this sample were rejected based on Entech's conclusion that the sample reported false positive results because of cross contamination by the laboratory
(51) Vinyl chloride .0072
(52) Chloroform 0 025
(53) Chloroform 0 0011
(54) Freon 113 0 0013
(55) Vinyl Chloride 0 015 and Trichlorofluoromethane 0 0027

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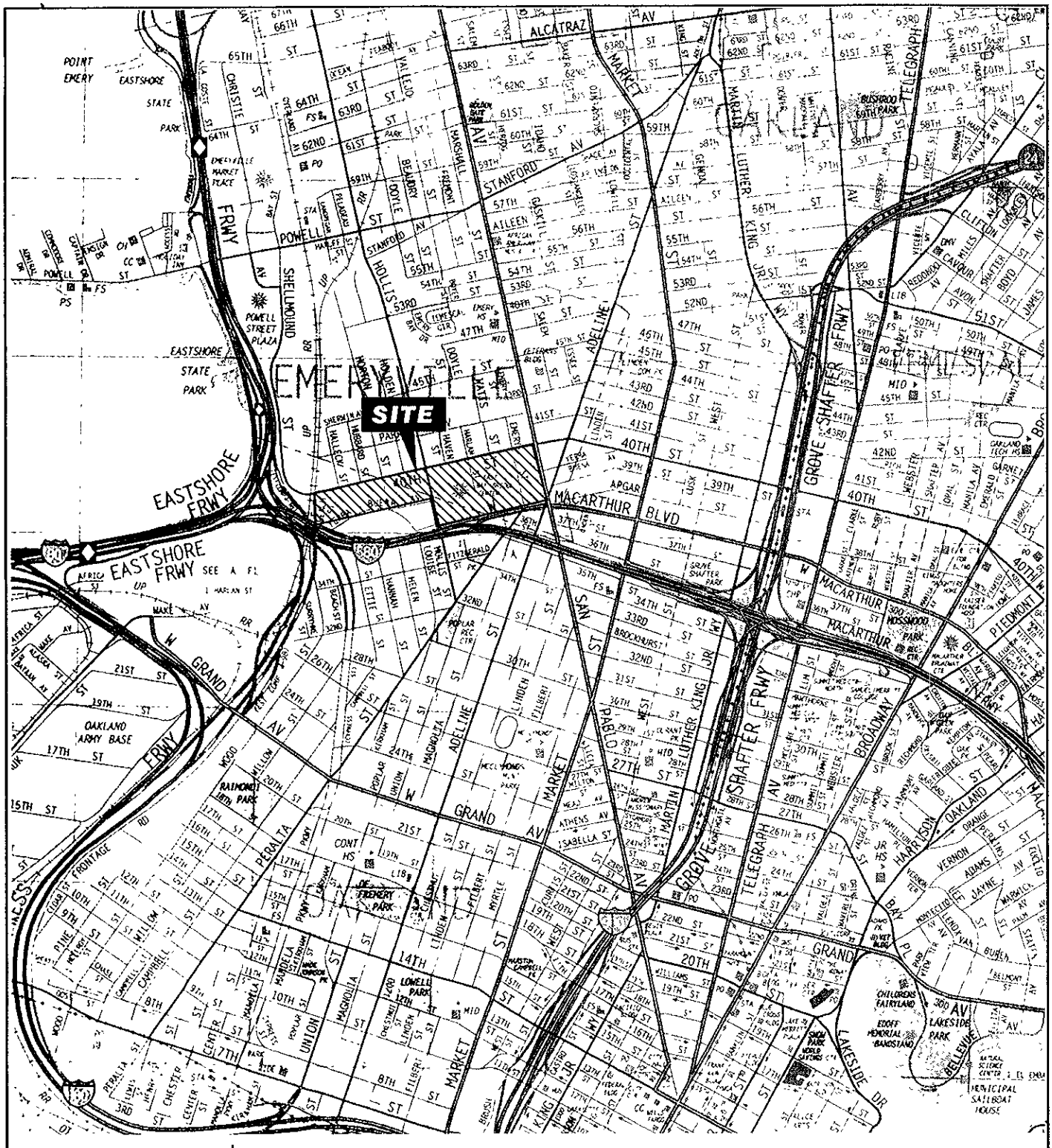
Well ID	Notes	Date Sampled	Lab	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TCE	1,1,1-TCA	PCE	1,1-DCE	1,1-DCA	1,2-DCA	cis/trans-1,2-DCE	Total VOCs

(56) Chloroform 0 001
(57) Chloroform 0.0012
(58) Vinyl Chloride 0 010
(59) Chloroform 0 0023
(60) Vinyl chloride 0082
(61) Vinyl chloride .0029
(62) Chloroform 0 0006
(63) Vinyl chloride .0017
(64) Vinyl chloride .008
(65) Vinyl chloride .010
(66) Vinyl chloride .0092
(67) Vinyl chloride 0063
(68) Vinyl chloride 0066
(69) Vinyl chloride 0019 and Chloroform 0 0006
(70) Vinyl chloride 013
(71) Vinyl chloride 0007
(72) Vinyl chloride 0012
(73) Vinyl chloride 0052
(74) Vinyl chloride 011



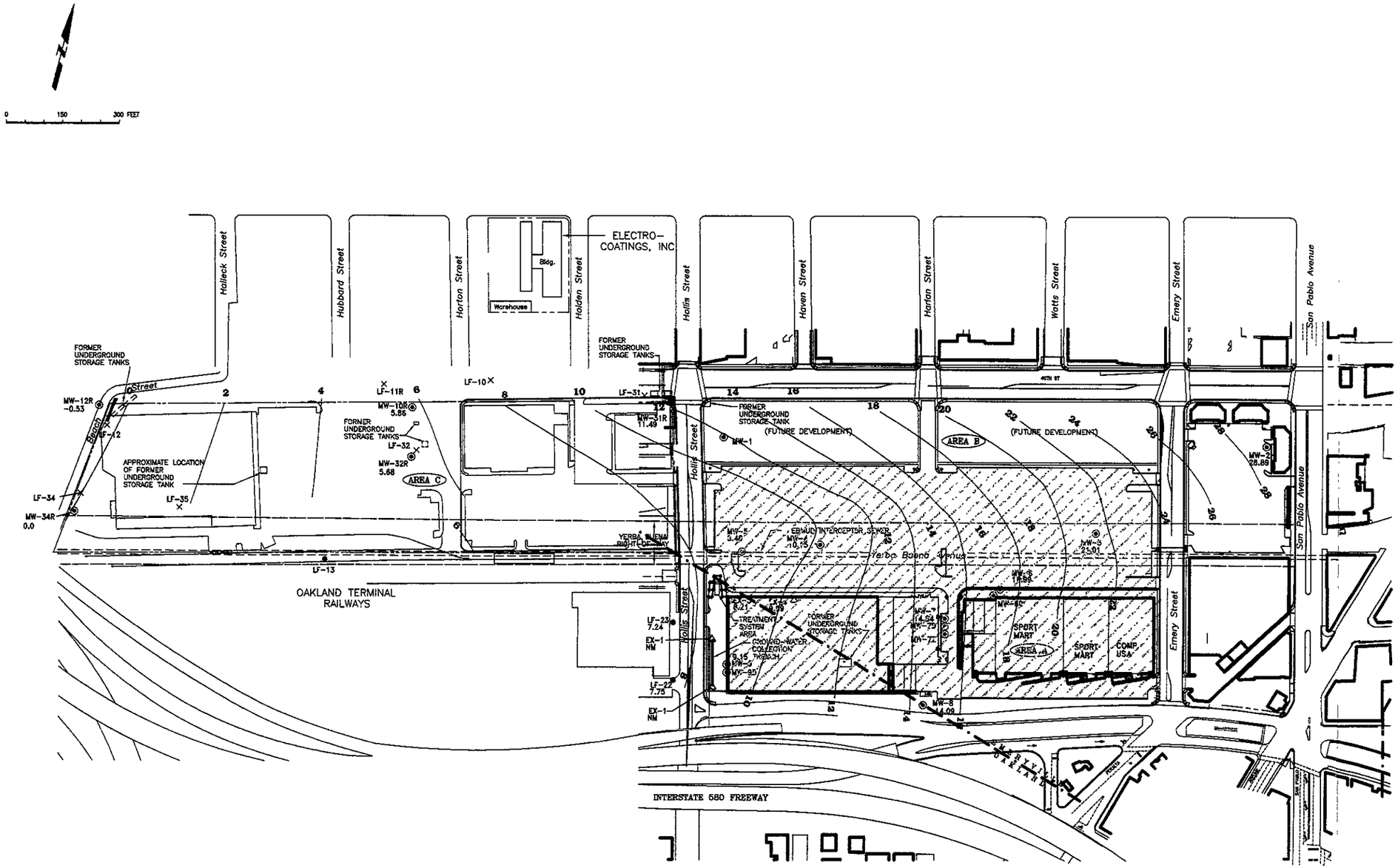
Site Location Map

EAST BAY BRIDGE CENTER

LFR LEVINE•FRICKE

Figure 1

G:\1659\1649SV03.CDR 1/19/00



REVISION	DESIGN	DRAWN	CHECKED	DATE

SCALE
DESIGN
DRAWN
CHECKED

LEVINE • FRICKE
ENGINEERS, HYDROGEOLOGISTS & APPLIED SCIENTISTS
Emeryville, California

CATELLUS DEVELOPMENT CORPORATION

YERBA BUENA/EAST BAYBRIDGE DEVELOPMENT

Project No 1649

Figure 2
SITE PLAN SHOWING
GROUND-WATER ELEVATIONS IN SHALLOW WELLS
MAY 8, 2001

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 5 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 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 Curtis and Tompkins under strict chain-of-custody protocols. For quality assurance/quality control, a duplicate sample was collected from well LF-2 were analyzed for VOCs.