

20-477



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December 10, 2002

Ms. Eva Chu
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Alameda County

DEC 13 2002

Environmental Health

Subject: *Site Conceptual Model*
Chevron Service Station No. 9-1924
4904 Southfront Road
Livermore, California
Delta Project No. DG91-924

Dear Ms. Chu:

Please find enclosed the Delta *Site Conceptual Model* for the subject site. This report presents a summary of assessment activities and potential receptors in the vicinity of the site.

If you have questions or comments regarding this report, please contact me at (916) 638-2765.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Todd Del Frate, R.G.
Project Manager

BAB (Rpt003.9-1924)
Enclosures

Cc: Ms. Karen Streich, Chevron Products Company

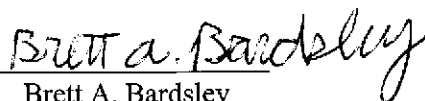
SITE CONCEPTUAL MODEL

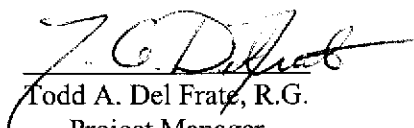
Chevron Station No. 9-1924
4904 Southfront Road
Livermore, California
Delta Project No. DG91-924

Prepared For:
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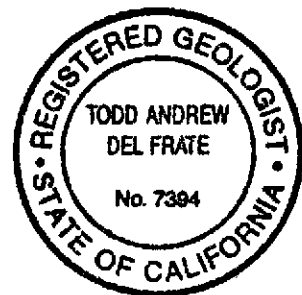


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SITE CONCEPTUAL MODEL

1.0 INTRODUCTION

Delta Environmental Consultants, Inc. (Delta) has been authorized by Chevron Products Company (Chevron) to review investigative work conducted at Chevron Service Station No. 9-1924, located at 4904 Southfront Road, Livermore, Alameda County, California and prepare a Site Conceptual Model (SCM). The objective of the SCM is to evaluate environmental assessment activities associated with past petroleum releases and to identify potential receptors in the vicinity that could be impacted by residual petroleum hydrocarbons.

2.0 SITE DESCRIPTION

2.1 General

The site is located near the northeast corner of the intersection of Southfront Lane and First Street (US Highway 84) at 4904 Southfront Road, Livermore, Alameda County, California. The site is at an elevation of approximately 548 feet above mean sea level (msl) with the surrounding topography sloping to the northwest. Surrounding the site are predominately commercial retail businesses. The location of the site is presented on Figure 1 and a site map illustrating the locations of former and current site features is presented on Figure 2. The site is currently an active service station.

In April 2000, the site underwent remodeling and reopened as a retail gasoline service station with a station building, two multi-pump fuel dispenser islands, and three 10,000-gallon underground storage tanks (USTs) that share a common pit near the southeast site boundary. The USTs contain regular unleaded gasoline, plus unleaded gasoline, and supreme unleaded fuel.

2.2 Previous Environmental Work

According to information provided by Chevron, a 10,000-gallon UST was identified as leaking in December 1984, releasing approximately 4,400-gallons of fuel. Subsequent to the release the UST was decommissioned. In March 1985, the remaining 5,000-gallon and 10,000-gallon USTs were removed and a new tank basin was excavated near the southeast site boundary. Three 10,000-gallon double-walled fiberglass USTs were installed in the new tank basin. In addition, a 1,000-gallon used oil UST was

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installed north of the new UST tank basin. Soil samples were not collected from the former or existing UST basins.

Following the removal and decommissioning of the leaking UST, Groundwater Technology Inc (GTI) installed a groundwater treatment system consisting of a 12-inch recovery well (RW-1) and air stripping unit to remediate impacted groundwater emanating from the subject site. The groundwater treatment system operated from February 1985 through April 1986, treating approximately 590,000-gallons of extracted groundwater and removing approximately 296-gallons of liquid phase hydrocarbons (LPH). The system was deactivated because LPH recovery decreased significantly since start up. The system was reactivated in March 1990 and operated through January 1991. After treating an additional 480,999-gallons of extracted groundwater, the system was deactivated again due to scale formation on the liquid-phase activated carbon vessels and eventually decommissioned in July 1993, at the request of Chevron.

In June 1997, dispenser and product lines were upgraded. Four soil samples were collected in the product line trenches at approximate depths between 3 and 3.5 feet below surface grade (bsg). Soil samples were submitted to the laboratory for analyses of benzene, toluene, ethylbenzene, and total xylenes (BTEX), total petroleum hydrocarbons as gasoline (TPHg), and methyl tertiary butyl ether (MTBE). Benzene was not detected in any of the soil samples analyzed. Concentrations of TPHg were detected in two of the four soil samples at concentrations of 1.5 and 2.1 parts per million (ppm). Concentrations of MTBE were detected in all four soil samples at concentrations ranging between 0.27 and 2.2 ppm.

In April 2000, the product lines were upgraded and the 1,000-gallon used oil UST was removed. Six soil samples were collected from beneath the product lines at depths ranging between 3 and 6 feet bsg. Benzene was detected in one of six soil samples analyzed at a concentration of 0.0051 ppm. TPHg were detected in three of six soil samples at concentrations ranging between 1.1 and 3.6 ppm. MTBE was detected in five of the six samples analyzed at concentrations ranging from 0.086 to 0.57 ppm.

In addition to the analyses listed above, the two soil samples collected from beneath the used oil UST were also analyzed for TPH as diesel (TPHd), total oil and grease (TOG), volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs). The samples were also analyzed for the metals cadmium, chromium, nickel, lead, and zinc. Benzene, TPHg, or MTBE concentrations were not detected in the two soil samples analyzed. However, TPHd were detected in one of the two soil samples at a concentration of 1.5 ppm. Total oil and grease were detected in both soil samples at concentrations of 100 and 150 ppm. VOCs or SVOCs were not detected in the two soil samples except for

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bis(2-ethylhexyl)phtalate at a concentration of 0.71 ppm. The metals chromium, nickel, lead and zinc were also detected in both samples. Analytical results for soil samples collected are summarized in Table 1. Soil sample locations are presented in Figure 3.

Monitoring Well Installation and Well Destruction

Between December 1984 and October 1995, 21 groundwater monitoring wells and one recovery well (RW-1) were installed to characterize and remediate groundwater impacted by the hydrocarbon plume emanating from the subject site. The wells ranged in depth between 21.5 to 35 feet bsg. Groundwater was encountered in these wells between 12 and 20 feet bsg. Soil samples collected from the well borings were not submitted for chemical analyses except for soil samples from well borings C-20 and C-21. Petroleum hydrocarbons were not detected in these soil samples.

In 1985, monitoring well C-4, located northwest of the former UST basin, was destroyed during UST removal activities. During site upgrades, groundwater monitoring wells C-1 through C-3, C-6, and C-15 were destroyed.

In November 2001, duplicate wells C-5, C-10, C-14, C-17, and C-19 were destroyed by overdrilling. Also, well C-8 was destroyed by pressure grouting. Soil sample analytical results from drilling activities are summarized in Table 2 and well locations are shown on Figure 2. Well construction details and active wells remaining at the site are presented in Table 3. Boring logs and well completion details are included in Appendix A.

Well Search

To identify water supply wells in the vicinity of the subject site, Delta conducted a search of Department of Water Resources (DWR) files for domestic, municipal, and irrigation supply wells within 2,000-feet of the subject site. Nine well sites were identified during the search. Five of the nine sites identified listed irrigation wells, four listed monitoring wells, and one well site was listed as a domestic supply well. The well search indicated all irrigation and domestic supply wells identified had been destroyed. The status of the monitoring wells were listed as unknown or destroyed. Municipal supply wells were not identified within the search area. Well sites identified from the DWR search are summarized in Table 4, and the well locations are plotted on Figure 4.

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Groundwater Monitoring and Sampling

Depth-to-groundwater at the site has ranged from 8.80 to 17.21 feet below top-of-casing (TOC). A groundwater elevation contour map is included as Figure 5. The groundwater elevation contours indicate an inferred groundwater flow direction towards the southwest with an approximate hydraulic gradient of 0.006. Historical data indicates groundwater flows toward the southwest at gradients ranging from 0.009 to 0.02. Historical potentiometric maps are included in Appendix B.

Currently, groundwater monitoring wells C-7, C-9, C-11 through C-13, C-20, and C-21 are sampled quarterly. Liquid phase hydrocarbons (LPH) have not been observed in the groundwater monitoring wells associated with the site except for observed sheen in wells C-1 and C-14 in April 1993, and well C-7 during July 1993 and January 1994 monitoring events. Currently, groundwater samples are analyzed for BTEX by EPA Method 8021, TPHg by EPA Method 8015, and the fuel oxygenates MTBE, tertiary butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), and tertiary amyl methyl ether (TAME) by EPA Method 8260. The groundwater samples collected from well C-9 are also analyzed for halogenated volatile organic compounds (HVOCs) by EPA Method 8260. Cumulative groundwater analytical results are included in Appendix C.

Concentrations of benzene have decreased nearly three orders of magnitude since the reported high during the second quarter 1989 sampling event. Concentrations of TPHg have decreased approximately two orders of magnitude since the reported high during the fourth quarter 1992 sampling event. MTBE concentrations have decreased four orders of magnitude since the reported high during the fourth quarter 1998 sampling event.

Currently, dissolved phase hydrocarbons continue to be detected in wells C-7, C-9, C-11, and C-12. Benzene and TPHg were detected in well C-7 at concentrations of 2.1 and 1,100 micrograms per liter ($\mu\text{g/L}$), respectively. MTBE was detected in well C-11 at a concentration of 69 $\mu\text{g/L}$. HVOCs have not been detected in groundwater collected from well C-9 in the last nine sampling events. Although dissolved hydrocarbons are not limited to on-site wells, concentrations have decreased a minimum of two orders of magnitude over time. The benzene and MTBE plumes appear stable and localized in the vicinity of wells C-7, C-9, and C-11, whereas the TPHg plume appears to stretch west in the vicinity of well C-12. Concentrations of TPHg in well C-12 have increased in the last three sampling events compared to no detectable TPHg concentrations since January of 1993. The current groundwater data suggests these increases are due to a release from fueling systems located beneath the Unocal Station. Benzene, TPHg, and MTBE plumes are depicted in isoconcentration maps shown on Figures 6 through 8, respectively.

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2.3 Geology and Hydrogeology

The Livermore Valley is approximately 13 miles long in an east-west direction and 4 miles wide. The site lies in the north central portion of the valley and is in the Mocho groundwater sub-basin II as defined by California Department of Water Resources (DWR). The Mocho sub-basin is bounded on the east by the Telsa Fault and the west by the Macho Fault. Unconsolidated alluvial deposits ranging from upper Pleistocene to Holocene underlie the site to an approximate depth of 28 feet bsg. These alluvial deposits consist of silty clays, sands, and gravels that overlie the sandstone, tuffaceous sandstone, shale, and limestone of the Tassajara Formation. The Tassajara Formation forms the hills west of the site.

Deep confined groundwater in the Livermore area is utilized extensively. Groundwater in the upper unconfined water-bearing zone is of poor water quality due to high chloride concentrations restricting its use. Historically, depth to groundwater in the upper water-bearing zone beneath the site has ranged between 8 and 17 feet bsg. Groundwater beneath the site flows southwest at gradients ranging between 0.009 and 0.02.

Based on review of boring logs, the subsurface materials encountered at the site primarily consist of clay, silty clay, and sandy clay with minor amounts of gravelly clay. Boring logs of each boring advanced at the site are included in Appendix A. Using the boring logs, geologic cross sections were prepared to illustrate the subsurface soils. The locations of the cross sections are illustrated on Figure 2 and the cross sections are illustrated on Figures 9 and 10.

3.0 SITE CONCEPTUAL MODEL

The site conceptual model was prepared based on the site assessment, monitoring and sampling data collected from the site.

3.1 Release Scenario and Plume Characterization

The primary release sources at the site have been removed: former gasoline USTs, product distribution lines, and a used oil tank. The main source of the plume appears to have been a release from the former UST complex in the northwest portion of the site. In December 1984, a hole was discovered in the 10,000-gallon regular leaded gasoline UST and it was estimated that approximately 4,400 gallons of gasoline were released. The UST was decommissioned in December 1984, and in March 1985, the remaining two 10,000-gallon and 5,000-gallon USTs were removed and replaced. A new tank basin was excavated southeast of the formal UST.

Following the unauthorized release, a groundwater extraction system was installed offsite and operated from February 1985 to April 1986. The system removed approximately 296 gallons of LPH. The system

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was reactivated in March 1990 and operated until January 1991 until it was shut off after treating approximately 590,000 gallons of impacted groundwater.

Based on the historical groundwater analytical results, the mass of the dissolved benzene, TPHg, and MTBE plumes have been detected in the wells located west (downgradient) of the former UST basin. Currently, the hydrocarbon plume is shaped as a narrow band detected in wells C-7, C-9, C-11, and C-12 and appears to be defined northwest to southwest by wells C-12, C-20, and C-21; to the north-northeast by former wells C-3 and C-15. Well C-13 defines the hydrocarbon plume to the southeast.

Based on the June 2002, groundwater analytical results the highest benzene concentration was reported in well C-7 at 2.1 µg/L. The highest TPHg result was reported in well C-7 at a concentration of 1,100 µg/L, and the highest MTBE concentration was detected in groundwater collected from well C-11 at 69 µg/L. Concentrations of dissolved benzene and MTBE appear to be naturally attenuating in groundwater beneath the site, whereas, concentrations of TPHg detected in furthest downgradient well C-12 has increased over the last two sampling events. Trend graphs presenting concentration versus time in wells C-7, C-9, C-11 through C-13, C-20, and C-21 are presented in Appendix D.

3.2 Potential Receptors

The hydrocarbon plume extends beneath an area used for commercial purposes (gasoline sale) and transportation (Southfront Lane). The plume does not appear to extend beyond the neighboring Unocal station. The nearest residential buildings are located outside the plume area approximately ½ mile south of the site. There are no water producing wells located within the plume or within the 2,000 foot radius of the site.

Potential exposure receptors include current and future workers and customers of the Chevron and Unocal stations, motorists, pedestrians, and utility maintenance workers. The potential mediums are ambient air, indoor air in buildings, and soil and groundwater exposure in future excavation areas. The major exposure pathway is hydrocarbon volatilization from smear zone soils and groundwater to ambient and indoor air. The potential exposure pathway for utility maintenance workers is dermal contact with hydrocarbon-impacted soil and groundwater.

3.3 Other Environmental Concerns

Several major underground utility trenches are present near the subject site. Due to shallow groundwater conditions, these trenches could be a potential factor in plume migration. Due to the large number of utility trenches located in the vicinity of the site, Delta recommends a utility survey be conducted and

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added to the working site conceptual model. Based on the last three groundwater sampling events, TPHg concentrations in well C-12, located northeast of the northern dispenser island at the neighboring Unocal station, appear to be increasing. Groundwater trends in the vicinity of well C-12 will need to be assessed on a quarterly basis to evaluate whether a release at the Unocal site has occurred.

Based on the current and historical groundwater data collected from well MW-9, it appears that HVOCs are not a contaminant of concern beneath the subject site and should be discontinued from the monitoring and sampling program.

4.0 LIMITATIONS

The interpretations contained in this report represent our professional opinions and are based, in part, on information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

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5.0 REFERENCES

J. H. Kleinfelder & Associates, March 11, 1985, Groundwater Monitoring Well Installation.

Groundwater Technology, Inc., December 12, 1985, Recovery System Report.

Groundwater Technology, Inc., April 16, 1986, Project Update Report.

Western Geologic Resources, Inc., February 14, 1989, Dedicated Sampling System Installation and Quarterly Groundwater Sampling.

Chemical Processors, Inc., February 26, 1991, Monitoring Report.

Groundwater Technology, Inc., November 9, 1995, Environmental Assessment Report.

Gettler-Ryan, Inc., May 17, 2000, Well Destruction at Chevron Service Station #9-1924.

Gettler-Ryan, Inc., May 17, 2000, Soil Sampling During Waste Oil UST and Product Line Removal at Chevron Service Station #9-1924.

Gettler-Ryan, Inc., July 23, 2002, Groundwater Monitoring and Sampling Report Second Quarter – Event of June 13, 2002.

TABLE 1

CUMULATIVE SOIL ANALYTICAL RESULTS FROM THE USED OIL UST AND PRODUCT LINE REMOVAL

Chevron Station No. 9-1924
4904 Southfront Road
Livermore, California

Sample ID	Sample Depth (ft)	Sample Date	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	TPH as gasoline (ppm)	MTBE (ppm)	TPH as diesel (ppm)	TOG (ppm)	VOCs (ppm)	SVOCs (ppm)	Total Lead (ppm)
P1	3.0	06/05/97	ND	ND	ND	0.0057	ND	0.35	NA	NA	NA	NA	72
P2	3.5	06/05/97	ND	0.021	0.023	0.19	2.1	0.27	NA	NA	NA	NA	64
P3	3.0	06/05/97	ND	ND	ND	ND	ND	2.2	NA	NA	NA	NA	61
P4	3.0	06/05/97	ND	ND	0.016	0.047	1.5	0.38	NA	NA	NA	NA	79
PL1	3.0	04/07/00	<0.0050	<0.005	<0.005	<0.005	<1.0	0.086	NA	NA	NA	NA	11
PL2	3.0	04/07/00	<0.0050	<0.005	<0.005	<0.005	<1.0	0.11	NA	NA	NA	NA	8.8
PL3	3.0	04/07/00	<0.0050	0.0056	<0.005	<0.005	1.1	0.54	NA	NA	NA	NA	11
	6.0	04/07/00	0.0051	<0.005	0.079	0.029	3.6	0.45	NA	NA	NA	NA	9.1
PL4	3.0	04/07/00	<0.005	<0.005	<0.005	<0.005	<1.0	0.57	NA	NA	NA	NA	40
	6.0	04/07/00	<0.005	<0.005	0.0091	0.033	2.8	<0.050	NA	NA	NA	NA	10
WOT1	10.0	04/06/00	<0.005	<0.005	<0.005	<0.005	<1.0	<0.050	<1.0	100	ND	0.71 ^a	11 ^b
WOT2	10.0	04/06/00	<0.005	<0.005	<0.005	<0.005	<1.0	<0.050	1.5	150	ND	ND	9.5 ^c

* = bis(2-ethylhexyl)phthalate.

^b = The metals chromium (40 mg/kg), nickel (67 mg/kg), and zinc (55 mg/kg) were also detected.

^c = The metals chromium (47 mg/kg), nickel (62 mg/kg), and zinc (49 mg/kg) were also detected.

TPH = Total petroleum hydrocarbons using EPA Method 8015 Modified, or DHS-LUFT Method.

MTBE = Methyl tertiary butyl ether by EPA Method 8020.

TOG = Total oil and grease by Standard Method 5520 E and F.

VOCs = Volatile organic compounds by EPA Method 8010.

SVOCs = Semi-volatile organic compounds by EPA Method 8270.

NA = Not analyzed.

ND = Not detected at or above the laboratory reporting limits.

ppm = parts per million.

ft = feet.

TABLE 2**SOIL ANALYTICAL RESULTS FROM DRILLING**

Chevron Station No. 9-1924
4904 Southfront Road
Livermore, California

Sample ID	Sample Depth (ft)	Sample Date	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	TPH as gasoline (ppm)
C-20	10.0	10/02/95	<0.005	<0.005	<0.005	<0.005	<1.0
C-21	10.0	10/02/95	<0.005	<0.005	<0.005	<0.005	<1.0

TPH = Total petroleum hydrocarbons using EPA Method 8015 Modified, or DHS-LUFT Method.

MTBE = Methyl tertiary butyl ether.

ppm = parts per million.

NA = Not analyzed.

TABLE 3

WELL CONSTRUCTION DETAILS

Chevron Station No. 9-1924
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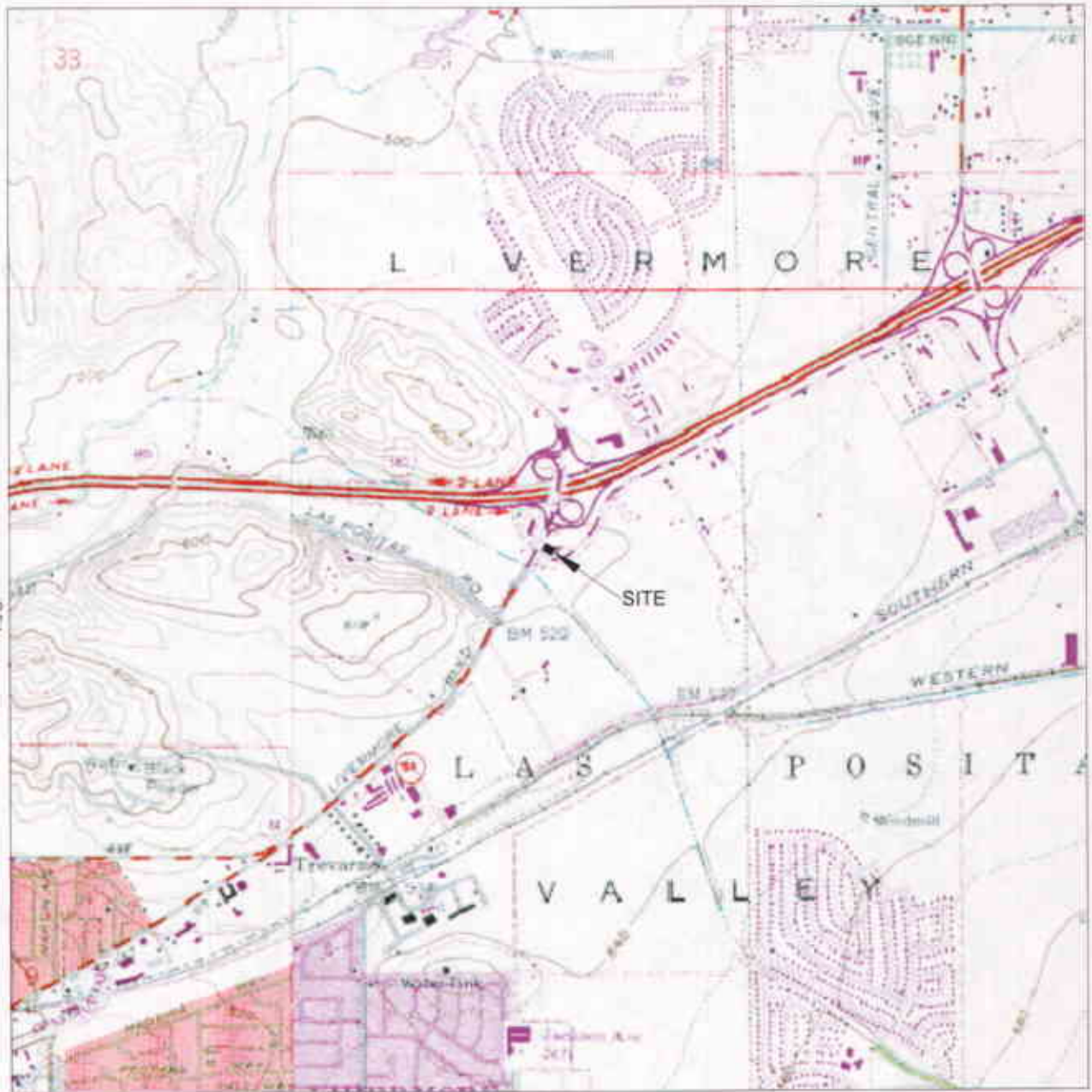
Well ID	Date Installed	Total Depth (ft)	Well Diameter	Screen Type	Screen Interval	Status
C-1	12/21/84	26.5	3-inch	0.020	8-20	destroyed
C-2	12/21/84	21.5	3-inch	0.020	10-25	destroyed
C-3	12/21/84	20.5	3-inch	0.020	8-20	destroyed
C-4	01/03/85	23	3-inch	0.020	9-23	destroyed
C-5	01/03/85	21	3-inch	0.020	8-20	destroyed
C-6	01/03/85	22	3-inch	0.020	7-22	destroyed
C-7	01/03/85	22	3-inch	0.020	7-22	active
C-8	01/03/85	22.5	3-inch	0.020	7-22	abandoned
C-9	01/03/85	23	3-inch	0.020	7-22	active
C-10	01/03/85		3-inch	0.020		destroyed
C-11	01/03/85		3-inch	0.020		active
C-12	01/10/85	23	3-inch	0.020	10-20	active
C-13	01/10/85	22	3-inch	0.020	10-20	active
C-14	01/10/85	35	3-inch	0.020	10-20	destroyed
C-15	01/10/85	22	3-inch	0.020	7-22	destroyed
C-16	01/09/85	35	3-inch	0.020	5-35	destroyed
C-17	01/09/85	30	3-inch	0.020	4-30	destroyed
C-18	03/29/85	29	2-inch	0.020	9-29	destroyed
C-19	03/29/85	25	2-inch	0.020	9-25	destroyed
C-20	10/02/95	26.5	2-inch	0.020	10-25	active
C-21	10/02/95	26.5	2-inch	0.020	10-25	active
RW-1	01/06/85	32.5	12-inch	0.020	10-32.5	unknown

Note: Well construction details for C-10 and C-11 are not known at this time.

TABLE 4
DWR Water Well Search within a 2,000 Foot Radius

Chevron Station No. 9-1924
 4904 Southfront Road
 Livermore, California

MAP ID	WELL TYPE	WELL OWNER	ADDRESS	WELL STATUS	WELL ID
1	Monitoring	Texaco	10 University City Plaza	unknown	3S/2E-3G5
	Monitoring	Texaco	10 University City Plaza	destroyed	3S/2E-3G6
	Monitoring	Texaco	10 University City Plaza	destroyed	3S/2E-3G7
	Monitoring	Texaco	10 University City Plaza	unknown	3S/2E-3G8
	Monitoring	Texaco	10 University City Plaza	unknown	3S/2E-3G9
	Monitoring	Texaco	10 University City Plaza	unknown	3S/2E-3G10
2	Domestic	Preston Park Association	5153 McGraw Avenue	destroyed	3S/2E-3H02
3	Monitoring	Jones Property	5237 Southfront Road	unknown	3S/2E-3H3
4	Irrigation	Graham Nissen	P.O. Box 97 Livermore, Ca.	destroyed	3S/2E-3K1
5	Irrigation	Graham Nissen	P.O. Box 97 Livermore, Ca.	destroyed	3S/2E-3K2
6	Monitoring	Zone-7	5997 Parkside Drive Pleasanton, Ca.	unknown	3S/2E-3K3
7	Irrigation	Graham Nissen	P.O. Box 97 Livermore, Ca.	destroyed	3S/2E-3R2
8	Irrigation	Plaza 580 Limited	Los Positias Roan and First Street	destroyed	3S/2E-3L05
	Monitoring	Western Investment Properties	Los Positias Roan and First Street	destroyed	3S/2E-3L2
	Monitoring	Western Investment Properties	Los Positias Roan and First Street	destroyed	3S/2E-3L3
	Monitoring	Western Investment Properties	Los Positias Roan and First Street	destroyed	3S/2E-3L4
9	Irrigation	Graham Nissen	P.O. Box 97 Livermore, Ca.	destroyed	3S/2E-3Q1



R.2E.



GENERAL NOTES:
 BASE MAP FROM U.S.G.S.
 ALTAMONT, CA.
 7.5 MINUTE TOPOGRAPHIC
 PHOTOREVISED 1980



QUADRANGLE LOCATION

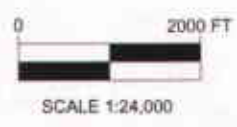


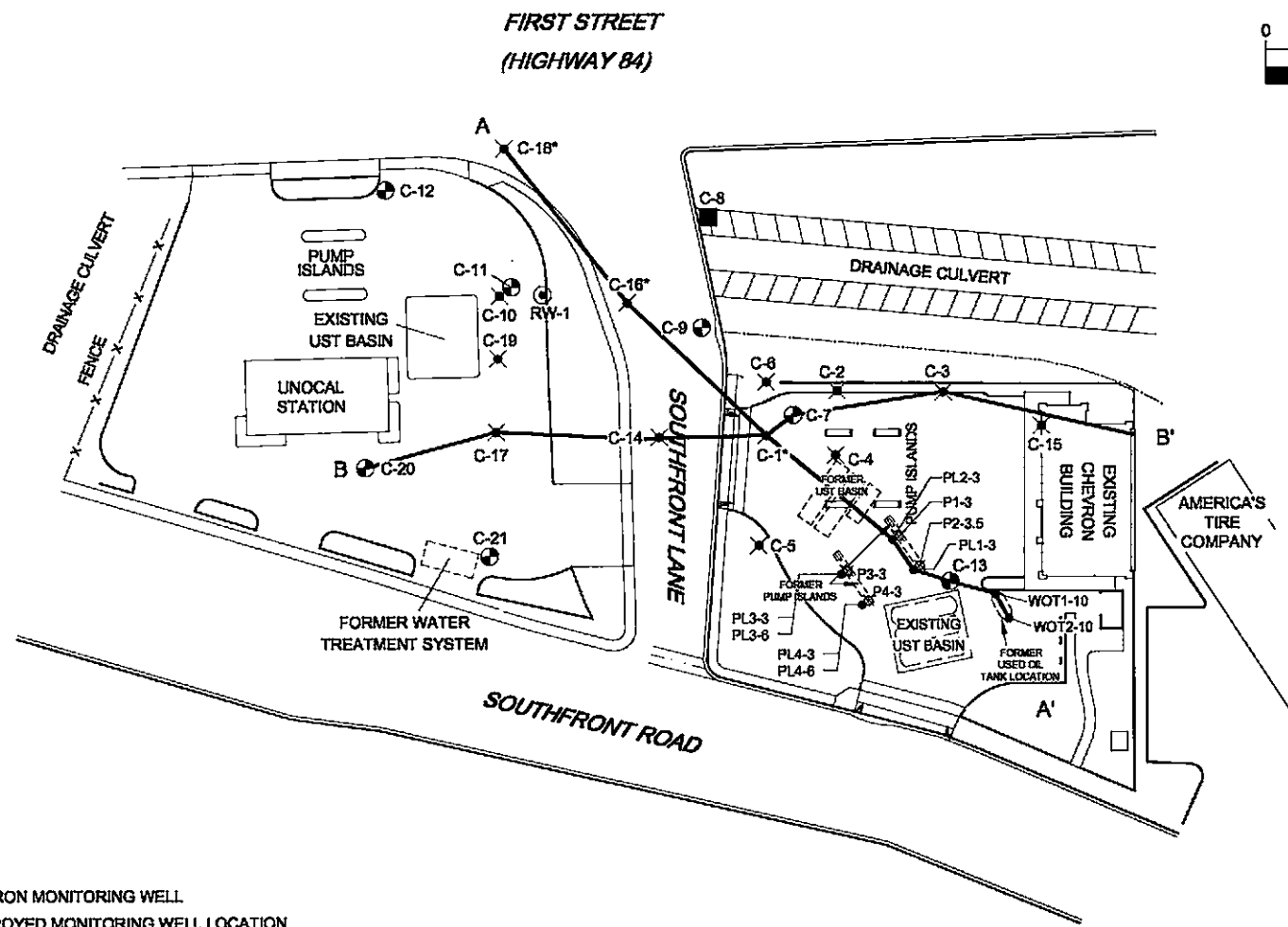
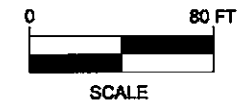
FIGURE 1

SITE TOPOGRAPHIC MAP

CHEVRON STATION NO. 9-1924
 4904 SOUTHFRONT ROAD
 LIVERMORE, CA.

PROJECT NO. DG91-924	DRAWN BY M.L. 7/31/02
FILE NO. DG91924C	PREPARED BY TAD
REVISION NO. 2	REVIEWED BY





LEGEND:

- ⊕ C-1 CHEVRON MONITORING WELL
- ✕ C-2 DESTROYED MONITORING WELL LOCATION
- C-8 ABANDONED MONITORING WELL LOCATION
- ⊙ RW-1 FORMER RECOVERY WELL LOCATION
- UNABLE TO LOCATE WELL
- A——A' GEOLOGIC CROSS SECTION TRACE
- PL1-3 PRODUCT LINE SOIL SAMPLE LOCATION (4/00)
- ⊗ P1-3 PRODUCT LINE SOIL SAMPLE LOCATION (6/97)
- WOT-1-10 WASTE OIL TANK SOIL SAMPLE LOCATION

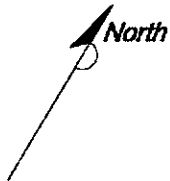
NOTE: SITE MAP ADAPTED FROM GROUNDWATER TECHNOLOGY FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

FIGURE 2
SITE MAP WITH GEOLOGIC CROSS SECTION LOCATION

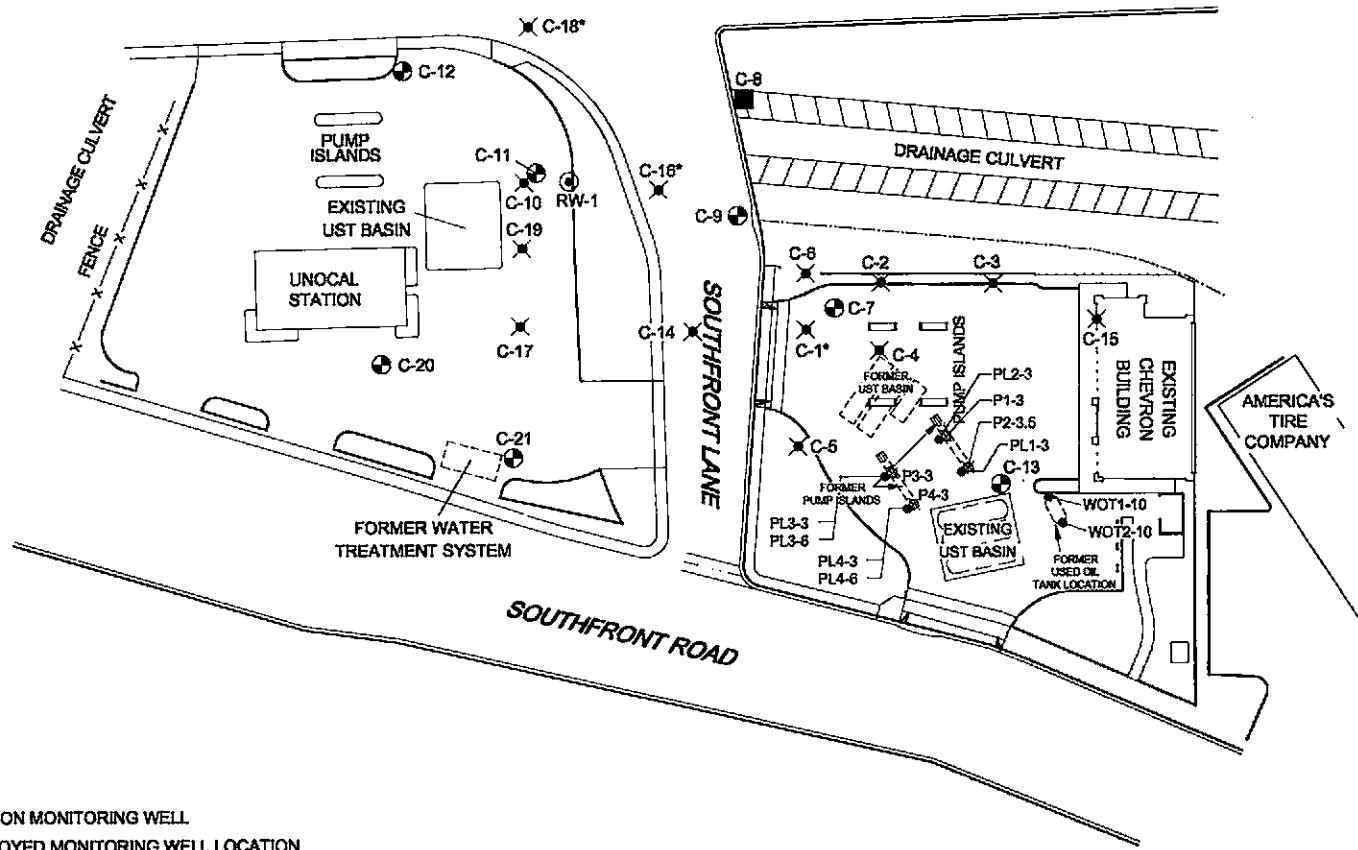
CHEVRON STATION NO. 9-1924
4904 SOUTHFRONT ROAD
LIVERMORE, CA.

PROJECT NO. DG91-924	DRAWN BY M.L. 7/31/02
FILE NO. DG91924B	PREPARED BY TAD
REVISION NO. 7	REVIEWED BY





FIRST STREET
(HIGHWAY 84)



LEGEND:

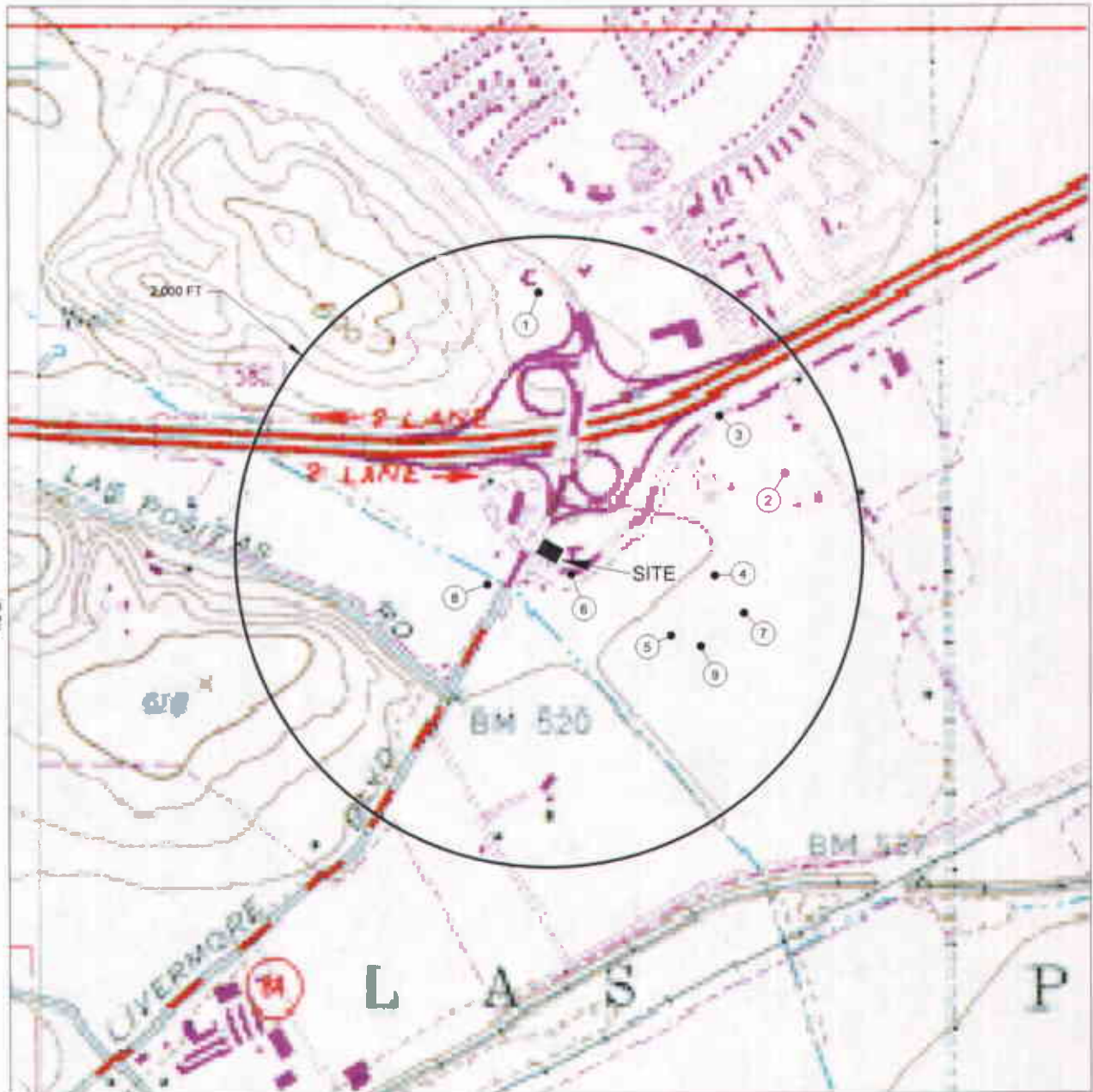
- C-1 CHEVRON MONITORING WELL
- ✕ C-2 DESTROYED MONITORING WELL LOCATION
- C-8 ABANDONED MONITORING WELL LOCATION
- ⊙ RW-1 FORMER RECOVERY WELL LOCATION
- UNABLE TO LOCATE WELL
- PL1-3 PRODUCT LINE SOIL SAMPLE LOCATION (4/00)
- ✕ P1-3 PRODUCT LINE SOIL SAMPLE LOCATION (6/97)
- WOT-1-10 WASTE OIL TANK SOIL SAMPLE LOCATION

NOTE: SITE MAP ADAPTED FROM GROUNDWATER TECHNOLOGY FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

FIGURE 3
SOIL SAMPLE LOCATION MAP
CHEVRON STATION NO. 9-1924
4904 SOUTHFRONT ROAD
LIVERMORE, CA.

PROJECT NO. DG81-924	DRAWN BY M.L. 7/31/02
FILE NO. DG91824B	PREPARED BY TAD
REVISION NO. 1	REVIEWED BY





LEGEND:

- ① IDENTIFIED WELL LOCATION

GENERAL NOTES:
 BASE MAP FROM U.S.G.S.
 ALTAMONT, CA.
 7.5 MINUTE TOPOGRAPHIC
 PHOTOREVISED 1980



QUADRANGLE LOCATION

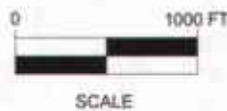
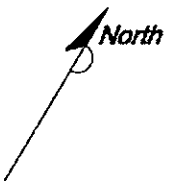


FIGURE 4

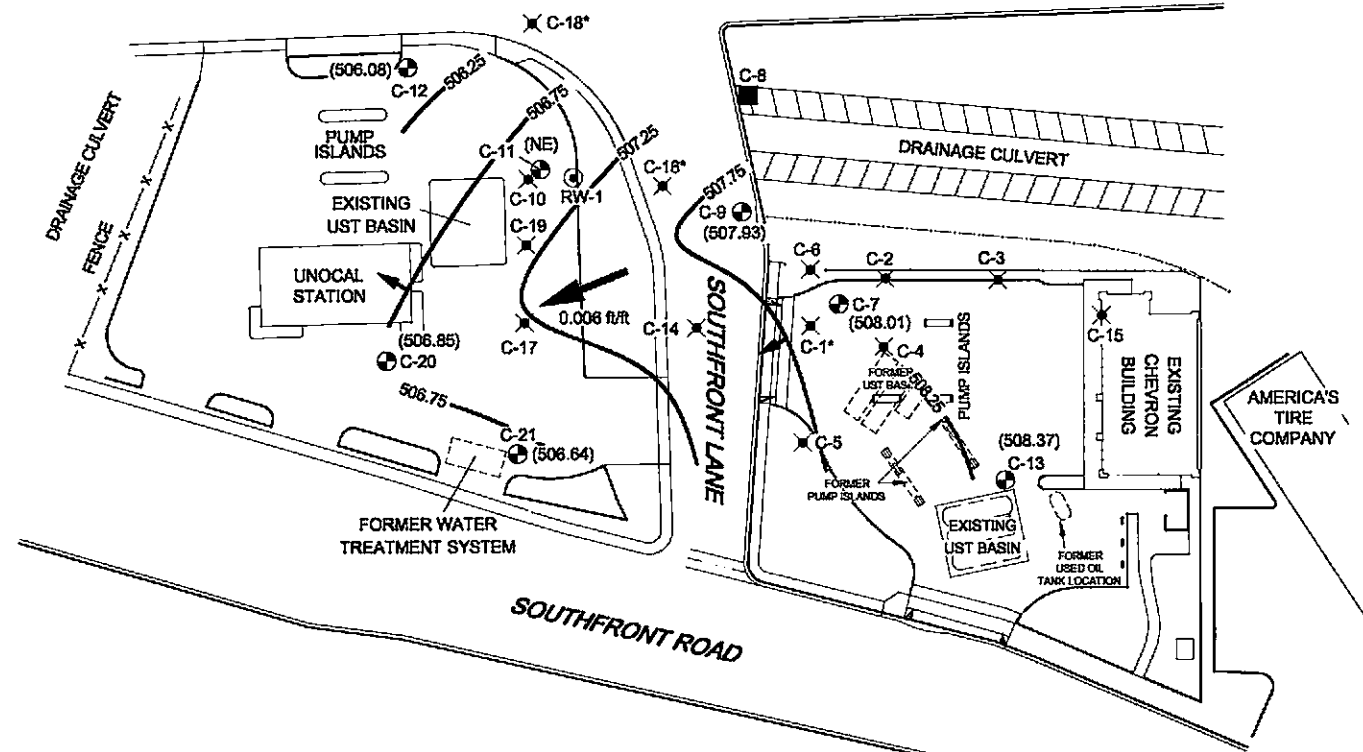
WATER WELL LOCATION MAP
CHEVRON STATION NO. 9-1924
4904 SOUTHFRONT ROAD
LIVERMORE, CA.

PROJECT NO. DG91-924	DRAWN BY M.L. 7/31/02
FILE NO. DG91924C	PREPARED BY TAD
REVISION NO. 2	REVIEWED BY





FIRST STREET
(HIGHWAY 84)



LEGEND:

- ⊕ C-1 CHEVRON MONITORING WELL
- ✕ C-2 DESTROYED MONITORING WELL LOCATION
- C-8 ABANDONED MONITORING WELL LOCATION
- ⊙ RW-1 FORMER RECOVERY WELL LOCATION
- UNABLE TO LOCATE WELL
- (506.08) GROUNDWATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
- 507.25— WATER TABLE CONTOUR IN FEET RELATIVE TO MEAN SEA LEVEL
- ➔ GROUNDWATER FLOW DIRECTION
- NE TOP OF CASING ELEVATION NOT ESTABLISHED

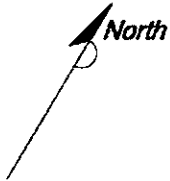
HYDRAULIC GRADIENT= 0.006 ft/ft MEASURED BETWEEN WELLS C-9 AND C-20

NOTE: SITE MAP ADAPTED FROM GROUNDWATER TECHNOLOGY FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

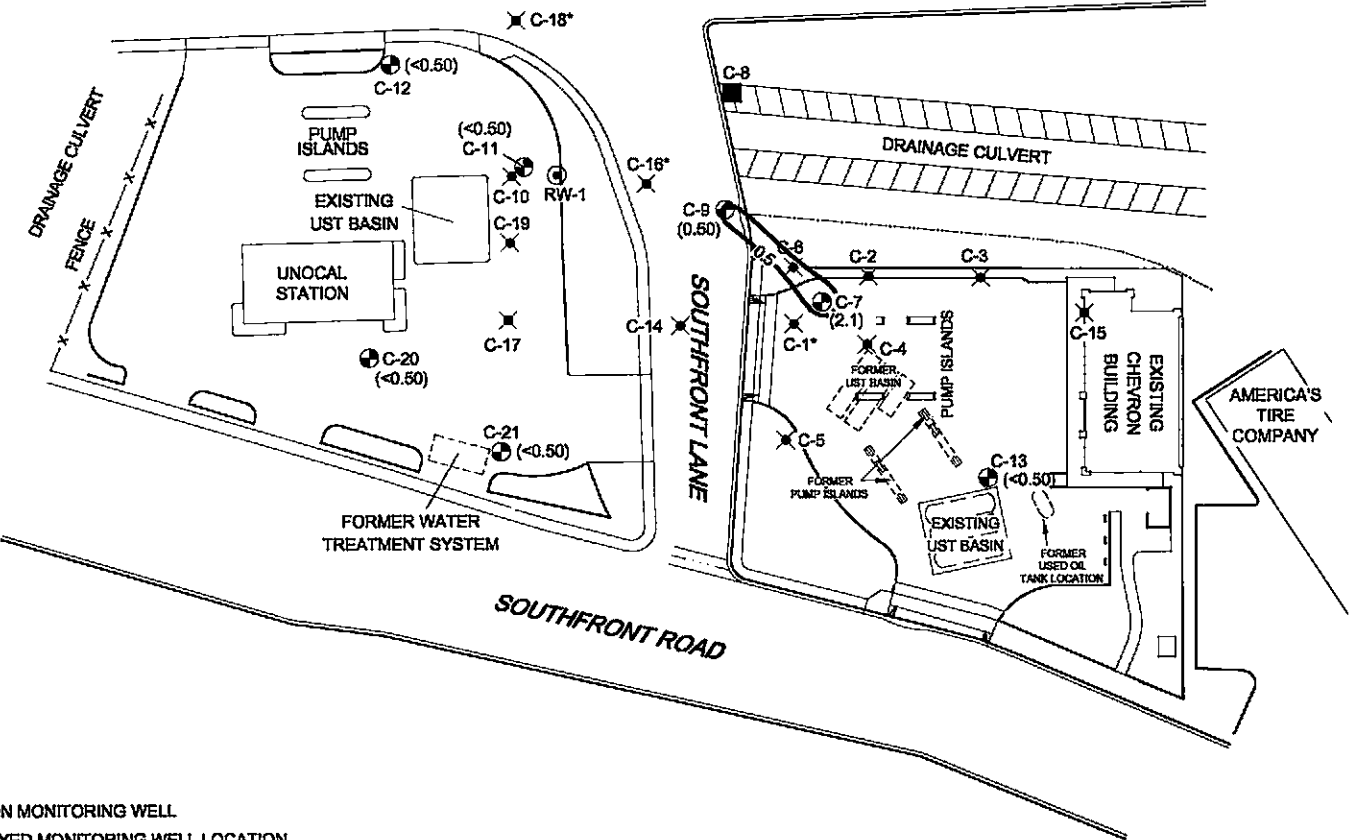
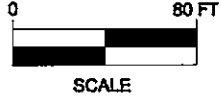
FIGURE 5
GROUNDWATER ELEVATION CONTOUR MAP
6/13/02
CHEVRON STATION NO. 9-1924
4904 SOUTHFRONT ROAD
LIVERMORE, CA.

PROJECT NO. DG91-924	DRAWN BY M.L. 8/1/02
FILE NO. DG91924B	PREPARED BY TAD
REVISION NO. 1	REVIEWED BY





FIRST STREET
(HIGHWAY 84)



LEGEND:

- ⊕ C-1 CHEVRON MONITORING WELL
- ✕ C-2 DESTROYED MONITORING WELL LOCATION
- C-8 ABANDONED MONITORING WELL LOCATION
- ⊙ RW-1 FORMER RECOVERY WELL LOCATION
- UNABLE TO LOCATE WELL
- (2.1) DISSOLVED BENZENE CONCENTRATION IN PARTS PER BILLION (ppb)
- 0.6— DISSOLVED BENZENE ISOCONCENTRATION CONTOUR

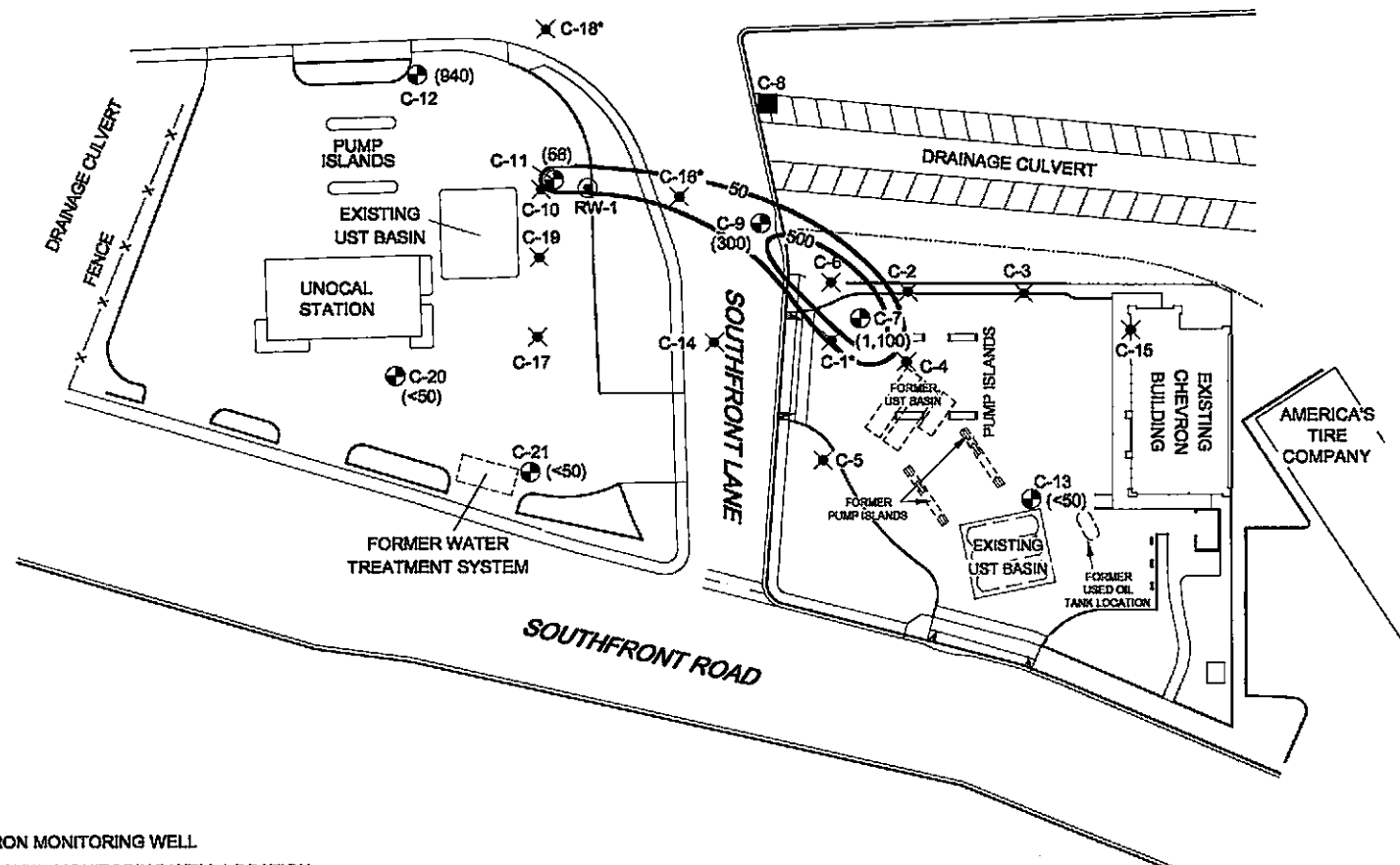
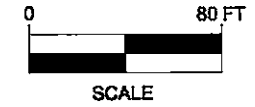
NOTE: SITE MAP ADAPTED FROM GROUNDWATER TECHNOLOGY FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

FIGURE 6
DISSOLVED BENZENE ISOCONCENTRATION MAP
8/13/02
CHEVRON STATION NO. 9-1924
4904 SOUTHFRONT ROAD
LIVERMORE, CA.

PROJECT NO. DG91-924	DRAWN BY M.L. 8/1/02
FILE NO. DG91924B	PREPARED BY TAD
REVISION NO. 1	REVIEWED BY



FIRST STREET
(HIGHWAY 84)



LEGEND:

- C-1 CHEVRON MONITORING WELL
- ✕ C-2 DESTROYED MONITORING WELL LOCATION
- C-8 ABANDONED MONITORING WELL LOCATION
- ⊙ RW-1 FORMER RECOVERY WELL LOCATION
- * UNABLE TO LOCATE WELL
- (1,100) DISSOLVED TPHg CONCENTRATION IN PARTS PER BILLION (ppb)
- 50— DISSOLVED TPHg ISOCONCENTRATION CONTOUR

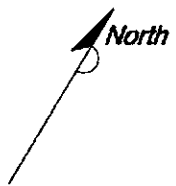
NOTE: SITE MAP ADAPTED FROM GROUNDWATER TECHNOLOGY FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

FIGURE 7
DISSOLVED TPHg ISOCONCENTRATION MAP
 6/13/02

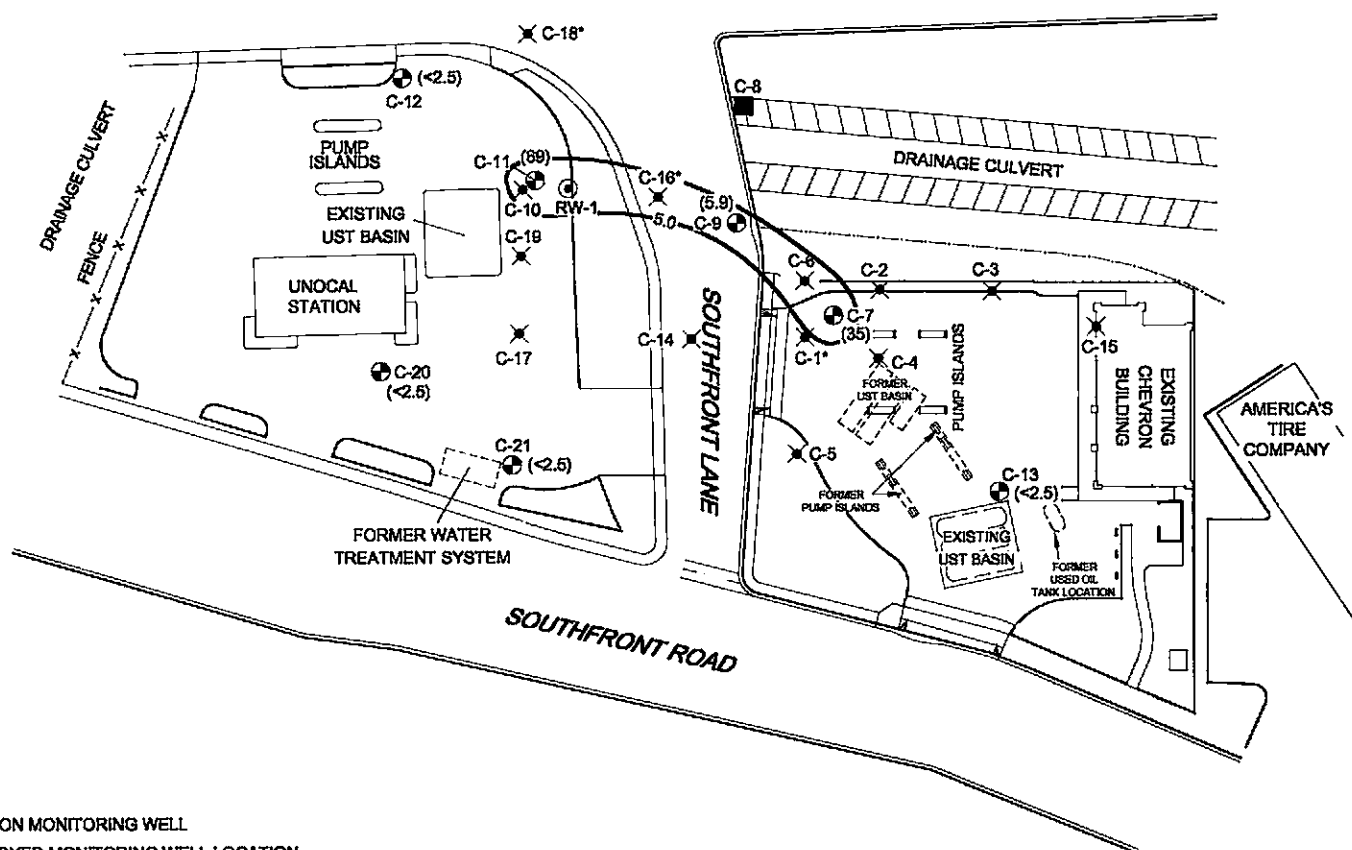
CHEVRON STATION NO. 9-1924
4904 SOUTHFRONT ROAD
LIVERMORE, CA.

PROJECT NO. DG91-824	DRAWN BY M.L. 11/7/02
FILE NO. DG91924B	PREPARED BY TAD
REVISION NO. 2	REVIEWED BY





FIRST STREET
(HIGHWAY 84)



LEGEND:

- ⊕ C-1 CHEVRON MONITORING WELL
- ✕ C-2 DESTROYED MONITORING WELL LOCATION
- C-8 ABANDONED MONITORING WELL LOCATION
- ⊙ RW-1 FORMER RECOVERY WELL LOCATION
- UNABLE TO LOCATE WELL
- (35) DISSOLVED MTBE CONCENTRATION IN PARTS PER BILLION (ppb)
- 5.0 — DISSOLVED MTBE ISOCONCENTRATION CONTOUR

NOTE: SITE MAP ADAPTED FROM GROUNDWATER TECHNOLOGY FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

FIGURE 8
DISSOLVED MTBE ISOCONCENTRATION MAP
6/13/02
CHEVRON STATION NO. 9-1924
4904 SOUTHFRONT ROAD
LIVERMORE, CA.

PROJECT NO. DG81-824	DRAWN BY M.L. 8/1/02
FILE NO. DG91824B	PREPARED BY TAD
REVISION NO. 1	REVIEWED BY



APPENDIX A

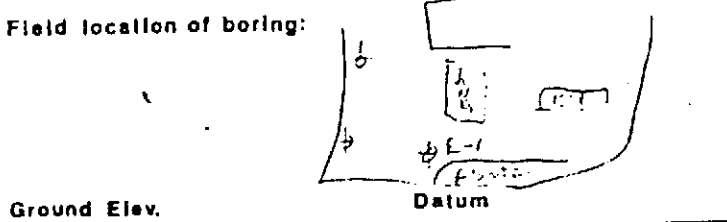
Soil Boring Logs and Well Construction Diagrams



LOG OF EXPLORATORY BORING

PROJECT No. 4750 DATE 12/21/21
 CLIENT 1-1
 LOCATION 1000 1st St (1)
 LOGGED BY 1-1 DRILLER 1-1

BORING No. C-1
 Sheet 1 of 1



Drilling method 1/2" 105mm Hole dia. 1"
 Casing installation data 20ft. 3" PVC lower 12 slots
2 slots sand to 6, bentonite
into sand

Water level	13.5'	13		
Time	1:00 PM	1 PM		
Date		12/21		

Pocket Torrvane TSF	Pocket Penetrometer TSF	Blows/ft. or Pressure PSI	Type of Sample	Sample Number	Depth	Sample	Soil Group Symbol (U.S.C.S.)
					2		CL
					4		CL
	7.60 (7)	6 1/2 18" dia	Std Pen	1	6		CL
					8		CL
	1.55	6 1/2 18" dia	MOC	2	10		CL
					12		CL
					14		SC
	1.17	4 7/8 18" dia	Std Pen	3	16		SC
					18		CL
					20		CL
					22		MF
					24		MF
					26		MF
					28		MF
					30		MF
					32		MF
					34		MF
					36		MF
					38		MF
					40		MF

DESCRIPTION

CL - Olive gray (10YR 4/3) to black (10YR 2.5/1) clay with
 calc. CLAY FILL, sand to CRS gravel - dense
 no oil

CL - Clay color (10YR 5/6) dense fine SAND & fine
 sand. CLAY contains soil holes, limestone
 fragments

SC - Yellowish brown (10YR 5/3) silty clay
 soil holes, sand to gravel
 - fine gravel

CL - Light gray (10YR 7/2) silty CLAY appears
 as a level 2:0, with scattered holes, sand
 sand dense - dense

MF 7.5 - Fine to medium sand
 no oil

DRAFT

PRELIMINARY

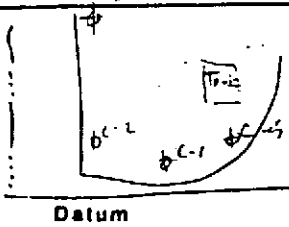


LOG OF EXPLORATORY BORING

PROJECT No. 438-S-01 DATE 12/2/84
 CLIENT GR
 LOCATION Livermore
 LOGGED BY COMP DRILLER HFW

BORING N
C-3
 Sheet 1
 of 1

Field location of boring:



Ground Elev.

Datum

Drilling method Hollow stem Hole dia. 8"

Casing installation data 20 ft 3" PVC
lower 12 slotted sand to 6
feet. 6-5 concrete 5-0 vent

Pocket Torr vane TSF	Pocket Penetrometer TSF	Blows/ft. or Pressure PSI	Type of Sample	Sample Number	Depth	Sample	Soil Group Symbol (U.S.C.S.)
					2		CL
					4		
	1.0	5/17 18"	SS rec 80%	1	6		
					8		
	3.8	6/6/12 18"	SS rec	2	10		CL
					12		
	2.5	6/9/11 18"	MAC rec 100%	3	16		SC
					18		
	4.25	6/7/12 18"	SS rec	4	20		CL

Water level	14' ±		
Time	4:00		
Date	12/2/84		

DESCRIPTION

Ac. LN
 CL - Black (5Y-2.5/1) sanders slightly gravelly silty CLAY, FILL - damp to moist
 - no odor, no odor

CL - Brown (10YR-5/3) slightly fine sandy silty CLAY sand 5%+^{HF} stiff no odor - root hole - none and infilled - damp; some root holes open

SC - Brown (10YR-5/3) clayey fine SAND very faint odor, stiff, no root holes - wet - decrease odor 16 to 16.5

CL - Brown (10YR-5/3) and some (10YR-7/2) silty CLAY contains discin fine sand - 10% and fine gravel - 5% in clay matrix, no odor damp - very stiff - damp all color light grey (10YR)
 TDC 21.5 in str. clay and shale as in C-1, C-2, C-5

DRAFT

PRELIMINARY

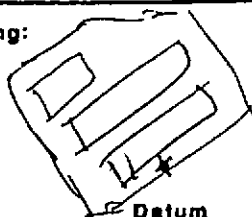


LOG OF EXPLORATORY BORING

PROJECT No. 438-SS.1 TE 1-3-85
 CLIENT BR Chevron
 LOCATION LIVERMORE
 LOGGED BY EM DRILLER XB

BORING No. C-4
 Sheet 1
 of 1

Field location of boring:



Ground Elev. _____ Datum _____

Drilling method 7 1/2" HS Hole dia. 7 1/2"
 Casing Installation date 3" PVC SWF 23-9, BLANK TO SURF. SAND TO 8, BC TO SURF

Pocket Torrvane TSF	Pocket Penetrometer TSF	Blows/ft. or Pressure PSI	Type of Sample	Sample Number	Depth	Sample	Soil Group Symbol (U.S.C.S.)
					2	CL	CL
					4	SW	SW
		1/2/4	STP	100%	10	CL	CL
		15/14/21	1 STP	100%	16	CL	CL
		5/18/20	STP	100%	20	CL	CL

Water level	Time	Date

DESCRIPTION

CLAY Black (SY 2.5/1) 5% sand, 5% silt to medium grain, damp, slight prod odor

SAND Greenish brown (2.5/5/3) 0-5% clay, 5% fine gravel, 90% fine sand - damp strong product odor

8.5-9.5: saturated w/ gas

CLAY Olive (SY 5/3) 0-5% fine sand, 5% silt, 90% fines, white caliche matrix - moist, very strong gas odor

~12.5-14': saturated w/ black gas (old?)

~13.0-16.0' increase fine to medium sand (~10%), much white discoloration (wet, very slight gas odor)

16.5'-23': much discoloration (leaching?), stiff, damp, no gas odor

Hole TERMINATED - G.I.O.

DRAFT

PRELIMINARY

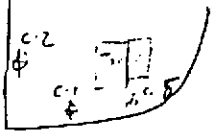


LOG OF EXPLORATORY BORING

PROJECT No. 451 DATE 12/21
 CLIENT SR
 LOCATION 1100
 LOGGED BY CLP DRILLER FFW

BORING No. C-5
 Sheet 1
 of 1

Field location of boring:



Drilling method Rotary Hole dia. 12"

Casing installation data Cased w/ 2 1/2" PVC
12' 12" slotted sand to 6' band to 5'
concrete to 0

Ground Elev. Datum

Pocket Torr vane TSF	Pocket Penetrometer TSF	Blows/ft. or Pressure PSI	Type of Sample	Sample Number	Depth	Sample	Soil Group Symbol (U.S.C.S.)
		4 1/2	SS	1	12"		CL
		18"	100%				
		105"	20% fine				
	3.1	5 1/2	SS	2	10"		CL
NOTE -		18"	100%				
descr. results							
location - 6' 10"							
	SC -> 1.5	4 7/10	SS	3	5"		SC
	CL -> 2.5	18"	100%				
	1.5	6 9/10	SS	4	20"		CL
		12"	100%				

Water level	14' 1"		
Time	2:53		
Date	12/21		

DESCRIPTION

7" AC casing base rock to 12"
 CL - Black (5Y. 2.5/1) silty CLAY FILL, medium sand and gravel - heavy to moist
 - very dark color
 CL - Olive gray (5Y. 5/2) silty CLAY fine sand
 brownish matrix 7% K faint petroleum
 most holes filled with clay occ. open root
 holes 1% ± some more discoloration - SE
 discharge to - all holes - brown 10/16 5/61
 SC - Yellowish brown (10YR. 5/6) clayey fine SAND
 incl. matrix very faint odor - usually very
 sandy well - some more discoloration 16.5
 CL - Light gray (10YR. 7/2) silty CLAY stiff,
 appears to be a soil of light gray color - damp
 TO 21.0 into same clay as described as
 C-1, C-2

DRAFT

PRELIMINARY



LOG OF EXPLORATORY BORING

PROJECT No. 458-EST TE 1-3-85
 CLIENT GE Chaoum
 LOCATION LIVERMORE
 LOGGED BY BP DRILLER XD

BORING No. C-6
 Sheet
 of

Field location of boring: C-6

Drilling method 7 1/2" HS Hole dia. 7 1/2"

Casing installation date 3" PVC slot 22-7
BLANK TO SURF. SAND TO 6
BC TO SURF.

Ground Elev. Datum

Pocket Torrvane TSF	Pocket Penetrometer TSF	Blows/ft. or Pressure PSI	Type of Sample	Sample Number	Depth	Sample	Soil Group Symbol (U.S.C.S.)	Water level	Time	Date	DESCRIPTION
					2		CL				Asphalt & coarse gravel base
					4						CLAY (Fill) Black to reddish brown (542.5/1)-(544/3) ~5% fine to medium sand, 10-15% silt, 80-85% fines - trace medium gravel - damp
		15/20/18	STP		10	X	SW				SAND dk brown (7.542/1/4) 0-5% fines, 40% fine to med gravels, 85-90% fine to coarse SAND - moist, STRONG GAS ODR
					14						(lost)
	2.0	6/10/9	STP		16	X	CL				CLAY Pale yellow (2.547/4), 0-5% silt, white calcic mottle, moist, no gas odor, occ. open root holes
		15/17/18	STP		20	X					~19.0 - 22.0' slightly sandy (~5%) with abundant leaching & discoloration
					22						H.T.: SIO
					24						
					26						
					28						
					30						

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PRELIMINARY



LOG OF EXPLORATORY BORING

PROJECT No. 438 TITE 1-3-85
 CLIENT GR Chevron
 LOCATION LIVERMORE
 LOGGED BY GR DRILLER XD

BORING No. C-7
 Sheet 1
 of 2

Field location of boring: Condenser / T-10-4
 + C-7

Drilling method 7 1/2" MS Hole dia. 7 1/2"
 Casing Installation date 3" PVC SLOT 22-7
BLANK TO SURF. SAND TO 6, PC
TO SURF.

Ground Elev. Datum

Pocket Torr vane TSF	Pocket Penetrometer TSF	Blows/ft. or Pressure PSI	Type of Sample	Sample Number	Depth	Sample	Soil Group Symbol (U.S.C.S.)
					2		CL
					4		
					6		
					8		
					10		CL
					12		
2.3		12/4/14	STP		14	X	
			100%		16		
					18		
3.0		5/10/18	STP		20	X	
			100%		22		
					24		
					26		

Water level	Time	Date

DESCRIPTION

Asphalt 2' - 8' coarse gravel base
 CLAY (Fill) Dk brown to black (542.5/1 - 544/3)
 ~5% fine in medium sand; ~10% silt
 trace fine to coarse
 gravel - damp, no gas odor

CLAY Olive (545/3) 5-10% silt &
 very fine sand; moist to wet,
 strong gas odor

12-16: 30-40% silt & fine sand
 13-14.5: Thin 1-2" stringers of clayey fine
 sand - moist, nearly saturated w/ gas

~16.5-22: increase silt & sand to
 5-10%, heavily oxidized & leached -
 stiff - damp, no gas odor

It. T. = S.E.O.

DRAFT
PRELIMINARY



LOG OF EXPLORATORY BORING

PROJECT No. 438 DATE 1-3-85 BORING No. C-8
 CLIENT GA Chevron Sheet 1
 LOCATION LIVESTOCK of
 LOGGED BY DRILLER X D

Field location of boring:

Drilling method 7 1/2" HS
 Hole dia. 7 1/2"

Casing installation data 3" PVC slot 2 1/2" x 7, DOWN TO SURF, SAND TO 6, BC TO SURF

Ground Elev. Datum

Pocket Torr vane TSF	Pocket Penetrometer TSF	Blows/ft. or Pressure PSI	Type of Sample	Sample Number	Depth	Sample	Soil Group Symbol (U.S.C.S.)
					2		CL Fill
					4		GW Fill
					6		CL Fill
					8		
	1.75	5 1/2	STP		10		CL
					12		
		11	STP		16		
					18		
	4.5	9 1/4	STP		20		
					22		
					24		
					26		
					28		
					30		
					32		
					34		
					36		

Water level				
Time				
Date				

DESCRIPTION

3' topsoil & 1' coarse gravel base
 CLAY (fill) Grayish brown (2.5Y 4/2) 5-10% fine to coarse sand, 10% silts - damp
 GRAVEL (fill) Grayish brown (2.5Y 4/2) 25-30% medium to coarse sand, 70-75% fine to medium gravel - damp
 CLAY (fill) dk brown (7.5YR 4/2) ~ 5% fine to medium sand, 5-10% silts, 85% clay, trace gravel - damp use
 CLAY Olive (5Y 5/3) 0-5% fine sand, 5% silts, 90% clays, caliche & Fe oxide rattle - damp use
 44.5' - 23' : clay becomes heavily leached & oxidized, stiff - damp w/ root frags, trace coarse sand

T.H: 510

DRAFT

PRELIMINARY



LOG OF EXPLORATORY BORING

PROJECT No. 438 TE 1-3-B1
 CLIENT GA Chevron
 LOCATION LIVERMORE
 LOGGED BY GA DRILLER XD

BORING No. C-9
 Sheet of

Field location of boring:

Drilling method 7 1/2" HS Hole dia. 7 1/2"

Casing installation data 3" PVC slot 23-7, BENTONITE TO SURF. SAND 40-6, BE TO SURF

Ground Elev. Datum

Pocket Torr vane TSF	Pocket Penetrometer TSF	Blows/ft. or Pressure PSI	Type of Sample	Sample Number	Depth	Sample	Soil Group Symbol (U.S.C.S.)
					2		CL
					4		Fill
					6		
					8		
1.75		5/8/10	SH		10		CL
					12		
2.0		7/10/13	SH		16		
					18		
4.0		8/19/20	SH		20		
					22		
					24		
					26		
					28		
					30		

Water level				
Time				
Date				

DESCRIPTION

3' depth of 6" coarse gravel base
 CLAY (Fill) grayish brown (2.54 4/2), 5-10% fine to coarse sand, 10% silt, trace fine to coarse gravel - damp
 4.0-4.5' coarse sandy GRAVEL Fill - damp
 4.5-8' Black (SH.5) decrease sand (50%)
 CLAY - Olive (SH.5/3), 5-10% silt, 15-20% fine sand, 70-75% clay - Ferric stain & particles - damp, strong gas odor, trace medium sand
 (decrease silt (~5%) & fine sand (~5%), rootholes moist) (slight gas odor ~17.0-20' = clay, because leached & discolored, stiff, damp, no prod odor)

HT: 520.

DRAFT

PRELIMINARY



LOG OF EXPLORATORY BORING

PROJECT No. 438-554 TE 1-3-85
 CLIENT GA Chemco
 LOCATION LIVERMORE
 LOGGED BY DR DRILLER XD

BORING No. C-10
GC-11
 Sheet 1
 of 1

Field location of boring:



Ground Elev. Datum

Drilling method 7/2" HS Hole dia. 7/4"

Casing installation data 3" PVC SLOT
BLANK TO SURF. SAND TO, PC
TO SURF.

Pocket Torr vane TSF	Pocket Penetrometer TSF	Blows/ft. or Pressure PSI	Type of Sample	Sample Number	Depth	Sample	Soil Group Symbol (U.S.C.S.)
					2		CL
					4		GW-0 GRAVEL
					6		
					8		
					10		
					12		
					14		
					16		
					18		
					20		
					22		
					24		
					26		
					28		
					30		

Water level	Time	Date

DESCRIPTION

3' Hiphalt 4' 6" coarse gravel to surf
 CLAY (Fill) Grayish brown (2.54 1/2), 5-10%
 fine to coarse sand, 10% silt, some damp
 GRAVEL
 BORING TERMINATED - HIT CONCRETE
 BUT DID NOT PENETRATE

9 - 23' 16/7
 8 - 22 1/2 16/6 1/2
 7 - 22 16/6
 6 - 22 16/6
 4 - 23' 16/7

DRAFT
PRELIMINARY



LOG OF EXPLORATORY BORING

MODEL

PROJECT No. Y38-56.1 DATE 1-10-85
 CLIENT GR Ch SW
 LOCATION LIVERMORE
 LOGGED BY SL DRILLER XD

BORING No. C-12
 Sheet
 of

Field location of boring: (C)

Drilling method 7 1/2" HS Hole dia. 7 1/2"

Casing installation data 3" PVC SLOT 20-10
BLANK TO SURF. SAND TO 9
BC TO SURF.

84

Ground Elev. Datum

Pocket Torr vane TSF	Pocket Penetrometer TSF	Blow Mt. of Pressure PSI	Type of Sample	Sample Number	Depth	Sample	Soil Group Symbol (U.S.C.S.)	DESCRIPTION
					2		CL	Asphclt CLAY (F ¹¹) Dk grayish brown (2.5Y 3/2), 0-5% silt - trace sand & fine gravel - damp uco
					4			
					6			
					8			
	2.5	7/8/11	STP 75% 18"		10			Light Olive gray (5Y 6/2), 5% fine to coarse sand, 5-10% silt, damp, no gas odor - iron stained, firm
					12			
		27/49	STP 100% 12"		14		GW	SANDY GRAVEL Brown (10YR 4/3) 0-3% clay binder, 35-40% fine to coarse sand, 55-60% fine to coarse gravel - wet uco, trace rounded cobble size gravel
					16			
		16/5/-	STP 0% 12"		18		GC	CLAYEY GRAVEL Olive (5Y 5/3), ~15% silty clay binder, 20% fine to coarse sand, 65% fine to coarse gravel -
		14/36/-	STP 12"		20			
					22			
					24			
					26			
					28			
					30			
					32			

B.T.: 810
 Pulled augers - hole cased to 18 1/2 ft.
 Pushed casing to 20'

DRAFT
PRELIMINARY



EMCON ASSOCIATES

LOG OF EXPLORATORY BORING

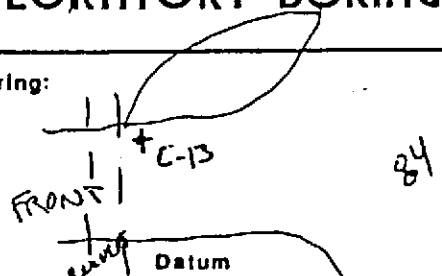
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LOG OF EXPLORATORY BORING

PROJECT No. 438-56.1-ATE 1-10-29
 CLIENT CR Chem
 LOCATION LUSMORE
 LOGGED BY 991 DRILLER XD

BORING No. C-13
 Sheet 1
 of 1

Field location of boring:



Drilling method 7 1/2" HS Hole dia. 7 1/2"

Casing installation data 3" PVC SLOT
~~BLANK TO SURF. JAMB TO~~ BC
~~TO SURF.~~

Ground Elev.

Pocket Torrivane TSF	Pocket Penetrometer TSF	Blows/ft. or Pressure PSI	Type of Sample	Sample Number	Depth	Sample	Soil Group Symbol (U.S.C.S.)
					2		CL
					4		SW
					6		
					8		
					10		
					12		
					14		
					16		
					18		
					20		
					24		
					26		
					28		
					30		

Water level				
Time				
Date				

DESCRIPTION

Asphalt
 CLAY (FILL) - DK brown, 20% fine to coarse sand trace
 GRAVEL SAND - light olive brown (2.5% S_u)
 25-30% fine gravel, 70% - 75% fine to coarse gra
 damp, no gas odor
 TERMINATED HOLE: HIT CONCRETE UTILITY

PRELIMINARY

DRAFT

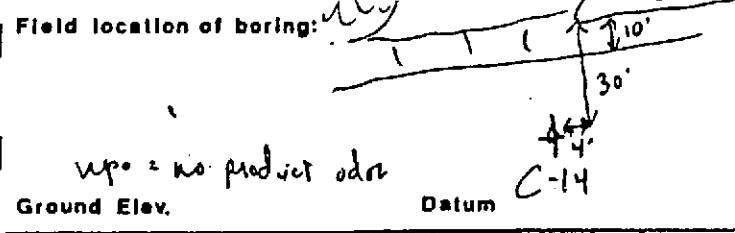


LOG OF EXPLORATORY BORING

Cherwin

PROJECT No. 438-56.1 DATE 1-10-85
 CLIENT GR Chem
 LOCATION Livermore
 LOGGED BY _____ DRILLER _____

BORING No C-14
 Sheet _____ of _____



Drilling method 7 1/2" HS Hole dia. 7 1/2"

Casing Installation data HOLE BACKFILLED w/CONCRETE TO 22', 3" PVC SLOT 20-10, BLANK TO SURF. SAND TO 9', BC TO SURF.

Pocket Torr vane TSF	Pocket Penetrometer TSF	Blows/ft. or Pressure PSI	Type of Sample	Sample Number	Depth	Sample	Soil Group Symbol (U.S.C.S.)
					2		CL
					4		
					6		
					8		
					10		SW
					12		
					14		
					16		CL
					18		
					20		
					22		
					24		
					26		
					28		
					30		
					32		
					34		
					36		
					38		

Water level				
Time				
Date				

DESCRIPTION

Asphalt
 concrete

2' SILTY CLAY, Very dark gray (5Y 3/2), 20% silt, firm - damp, upo

3-4' 100% fine to coarse sand, 10% fine to medium gravel

6-9' yellowish brown (10YR 5/4), 10% well graded sand, 35% well graded gravels, well rounded - damp, upo

10' GRAVELLY SAND - BROWN (7.5YR 5/4) 5% silty clay binder, 25-30% well graded well rounded gravels, 69-70% well graded sand - moist to wet, strong product odor

16' CLAY - (5Y 7/4) Pale yellow, 0-5% silt, white caliche discoloration, damp upo

19' Becomes stiff w/ trace fine sand, upo

(Trace iron oxide stain & particles)

Olive (5Y 5/4)

29.5' Becomes very silty (30-35%) no caliche mottle, iron oxide stained, moist to wet

T.H. SIO

DRAFT

PRELIMINARY



file
448

HOLE NO. C-16	PROJECT NO.	PROJECT Chewon	SHEET OF 1/2
MFG. DESIGNATION OF DRILL CME 75		LOCATION 4707 First St Livermore, Ca	
TYPE OF BIT 10" Hollow Stem		HAMMER DATA: WT. 140 LBS. DROP 30 INCHES	
ELEV.		TOTAL DEPTH OF HOLE 36.5'	
DATE	STARTED 10:00 1-9-85	DRILLING AGENCY Kleinfelder	
	COMPLETED 3:00 1-9-85	INSPECTOR Eric Findley	
	BACKFILLED	CREW Ron & Randy Oakley	
SURFACE CONDITIONS		GROUNDWATER DEPTH 20.6' TIME	

DRAFT

DIST. FROM SURF.	LEGEND	SAMPLE TYPE	SAMPLE NO.	RECOVERY	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL
1						#8'	Asphalt 4"
2						SAND SAND SAND GRAY	SILT, Brown - Little Clay - Little Gravel - 1" rounded - STIFF. Low Plasticity, Moist NOSC.
3							
4							
5							
6						SAND SAND SAND GRAY	CLAY - Brown, Little Silty Soft, High Plasticity, Moist NOSC
7							
8	SS			2"	2	SAND SAND SAND GRAY	CLAY - Brown - Little tan Silty Clay - Soft High Plasticity, Moist NOSC Trace fine gravel angular $\frac{1}{8}$ to $\frac{1}{4}$ "
9					3		
10	SS			2"	1	SAND SAND SAND GRAY	CLAY CLAY - Dark Brown - Soft High Plasticity, NOSC Moist. Bottom of sampler - Fine Gravel Some sand - $\frac{1}{8}$ " rounded poorly sorted
11					2		
12						SAND SAND SAND GRAY	SILTY CLAY - Tan Little Gravel Poorly sorted $\frac{1}{2}$ " sub rounded Stiff, low Plasticity, Moist, NOSC Trace black organic
13	SS			18"	5 6 9		
14						SAND SAND SAND GRAY	Gravelly CLAY - Tan w/ light grey mottling, Gravel and sand poorly sorted $\frac{1}{8}$ " rounded Very Stiff - Low Plasticity, Moist NOSC - Little Silty.
15	SS			12	9 10 16		
16						SAND SAND SAND GRAY	SILTY CLAY - Tan - Rust staining White Areas $\frac{1}{8}$ " silt - (Chalky) Stiff - Med to high Plasticity Moist NOSC.
17							
18	SS			18	4 6 9	SAND SAND SAND GRAY	CLAY SILT, Tan - Rust staining Trace fine gravel & subangular Very stiff, Medium Plasticity Slightly wet, NOSC
19							
20	SS			18	4 6 12		
21							



HOLE NO. C-16		PROJECT NO.		PROJECT		SHEET OF 2/2	
MFG. DESIGNATION OF DRILL				LOCATION			
TYPE OF BIT		HAMMER DATA: WT.		LBS. DROP		INCHES	
ELEV.		TOTAL DEPTH OF HOLE					
DATE	STARTED		DRILLING AGENCY				
	COMPLETED		INSPECTOR		GROUNDWATER DEPTH		
	BACKFILLED		CREW		TIME		
SURFACE CONDITIONS				DRAFT			

DIST. FROM SURF.	LEGEND	SAMPLE TYPE	SAMPLE NO.	RECOVERY	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL
20						▽	
1						20.6	
2							
3							
4							
25	SS	-	18		6		Sandy Silt tan - Fine Sand - Stiff Med. Plasticity - Moist NOSC SAND - tan - trace fine gravel 1/2" poorly sorted, fine to medium sand Some Silt. Medium Dense, Wet NOSC
6					9		
7					23		
8							
9							
30	SS	-	18		4		CLAY - Tan - Trace Black Organics Stiff - High Plasticity, Wet NOSC
11					6		
12					9		
13							
14							
35	SS	-	18		4		SAND - GREY - Very Dense - Wet NOSC Fine to Medium Sand
16					19		
17					37		
18							
19							
20							
21							

Screen



HOLE NO. C-17	PROJECT NO.	PROJECT Chevron	SHEET OF 1/2
MFG. DESIGNATION OF DRILL CME-75		LOCATION 4707 First St Livermore, CA	
TYPE OF BIT	HAMMER DATA: WT. 140 LBS. DROP 30 INCHES		ELEV.
DATE	DRILLING AGENCY Kleinfelder		TOTAL DEPTH OF HOLE 30
STARTED 2:23 - 1-9-83	INSPECTOR E. Finley		GROUNDWATER DEPTH 17.5' TIME
COMPLETED 6:00 - 1-9-83	CREW Ron + Randy Oakley		
BACKFILLED			
SURFACE CONDITIONS			DRAFT

DIST. FROM SURF.	LEGEND	SAMPLE TYPE	SAMPLE NO.	RECOVERY	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL
1						3"	Asphalt 1' - In Street S. Front
2						Best	
3						Best	
4						Sand	
5	SS				12	2	SILTY CLAY Black Trace Root Fragments stiff, High Plasticity, NO SC Moist.
6					5	6	
7					6		
8	SS				10	5	CLAY - Tan - Little silt Light grey or white mottling Rust staining - Black organic fra Very stiff, High Plasticity, Moist NO SC
9					6	8	
10					8		
11	SS				16"	7	SILTY CLAY - Tan - light grey mottling Trace fine gravel & rounded Rust staining Very stiff, Med Plast NO SC Moist
12					11	13	
13					13		
14	SS				18	7	CLAY - TAN + Rust Little Silt - Trace black organics Rust staining - Very stiff - Med Masticity Moist - Slight base CLAY - TAN - Black organ in fissures cracks stiff - Med Plasticity Moist - Slight base odor
15					10	13	
16					9	5	
17					5	6	
18					18	5	CLAY - Tan w White Mottling Trace Rust staining Very stiff Low to Medium Plasticity Wet NO SC - Trace Black Organic
19					8	10	
20					10		
21							

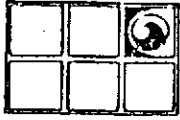


HOLE NO. C-17		PROJECT NO.	PROJECT	SHEET OF 2/2
MFD. DESIGNATION OF DRILL			LOCATION	
TYPE OF BIT		HAMMER DATA: WT.	LBS. DROP	INCHES
ELEV.		TOTAL DEPTH OF HOLE		
DATE	STARTED	DRILLING AGENCY		
	COMPLETED	INSPECTOR	GROUNDWATER DEPTH	
	BACKFILLED	CREW	TIME	
SURFACE CONDITIONS				

DRAFT

DIST. FROM SURF.	LEGEND	SAMPLE TYPE	SAMPLE NO.	RECOVERY	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL
0							Gas Odor coming out of Hole during Dr
1							
2							
3	SS			14	5		CLAY - Tan with White blotting Trace Rust Staining, Hard & Medium Plasticity, Wet, NOSC
4					10		
5					21		
6							
7							
27							CLAY As Above
8	SS			12	7		SAND Grey - Fine to Medium Grained - Medium Dense, NOSC Wet
9					13		
10					16		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							

same screen



GROUNDWATER TECHNOLOGY

Division of Oil Recovery Systems, Inc.

Drilling Log

Well Number 18

Project Chevron/Livermore Owner Chevron U.S.A.

Location 1st St. & S. Front Rd. Project Number 20-3229

Date Drilled 3-29-85 Total Depth of Hole 29 ft Diameter 8 inch

Surface Elevation _____ Water Level, Initial 14.0ft. 24-hrs. 13.35 ft.

Screen: Dia. 2 inch Length 20 ft. Slot Size .020

Casing: Dia. 2 inch Length 9 ft. Type PVC

Drilling Company Sierra Pacific Drilling Method 8" H.S. Auger

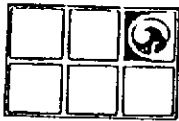
Driller Gary Jaggert Log by R. Juncal

Sketch Map

Notes

Depth (Feet)	Well Construction	Notes	Sample Number	Graphic Log	Description/Soil Classification (Color, Texture, Structures)
0					4" asphalt
2					Road base to 3', sand to gravel
4					Dark brown silty clay, 20% sand
6					Black clay, 10% silt to small pebbles
8					Brown clay, 10% sand to pebbles
10					Brown clay to pebbles, some gravel (1 inch)
12					Black silty clay to gravel (2 inch)
14		Depth to water 14 ft.			Brown silty clay to gravel
16					Gray silty clay, 30% sand
18					Gray silty clay, some sand
20					
22					
24					
26					
28					
30					

Screen 29 to 9 ft.
 Blank 9 to 0 ft.
 Sand 29 to 7 ft.
 Bentonite 7 to 6 ft.
 Cement 6 to 0 ft.



GROUNDWATER TECHNOLOGY

Division of Oil Recovery Systems, Inc.

Well Number 19

Drilling Log

Project Chevron/Livermore Owner Chevron U.S.A.

Location 1st St. & S. Front Rd. Project Number 20-3229

Date Drilled 3-29-85 Total Depth of Hole 25 ft. Diameter 8 inch

Surface Elevation _____ Water Level, Initial 14.5 ft 24-hrs. 14.84 ft.

Screen: Dia. 2 inch Length 17 ft. Slot Size .020

Casing: Dia. 2 inch Length 8 ft. Type PVC

Drilling Company Sierra Pacific Drilling Method 8" H.S. Auger

Driller Gary Taggart Log by R. Juncal

Sketch Map

Notes

Depth (Feet)	Well Construction	Notes	Sample Number	Graphic Log	Description/Soil Classification (Color, Texture, Structures)
0					4" asphalt
2					Road base to 3', sand and gravel
4					Dark brown silty clay, 5% small pebbles
6					
8					Dark brown silty clay, creamy
10					
12					Dark brown clay, 5% sand, slight odor
14					
16		Depth to water 14.5 ft.			Light brown silty clay
18					Light brown clay
20					
22					Light brown clay
24					Same
26					
					Screen 25 to 9 ft. Blank 9 to 0 ft. Sand 25 to 7 ft. Bentonite 7 to 6 ft. Cement 6 to 0 ft.



Project Chevron - Livermore Owner Chevron USA Products Company
 Location 4904 South Front Street, Livermore, CA Proj. No. 02070 0004
 Surface Elev. _____ Total Hole Depth 26.5 ft. Diameter 8.25 in.
 Top of Casing _____ Water Level Initial 15.5 ft. Static _____
 Screen: Dia 2 in. Length 15 ft. Type/Size 0.020 in.
 Casing: Dia 2 in. Length 10 ft. Type Sch 40 PVC
 Fill Material #3 Monterey Sand/Neat Cement Rig/Core CME-55/Spill Spoon
 Drill Co. SES, Inc. Method Hollow Stem Auger/PID
 Driller John C. Log By Terry James Date 10/02/95 Permit # _____
 Checked By Ed Simonis License No. RG#4422 Ed

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	Well Completion	PID (ppm)	Sample ID	Blow Count/ X Recovery	Graphic Log	USCS Class.	Description
							(Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2							
0							6" asphalt.
2						CL	Silty CLAY (30,70): dark gray, damp, soft, plastic, no hydrocarbon odor.
4							Silty CLAY (20,80): dark gray, damp, soft, plastic, no hydrocarbon odor.
6		0	C-20 -6.5'	3 3 3		CL	
8							(grades silty CLAY (40,60): light olive, trace red and black mottling)
10		0	C-20 -11.5'	4 4 5		CL/M	
12							
14							
16		0	C-20 -16.5'	9 11 15		GC	Encountered water, 10/02/95, 1115 hrs. Sandy silty clayey GRAVEL (10,10,30,50): light brown, gravel up to 1.5", angular to subrounded, wet, no hydrocarbon odor. (gravel clasts: graywacke, red chert, volcanics, quartz) (grades saturated)
18							
20							Clayey sandy GRAVEL (10,30,60): gravel up to 1", angular to round, no hydrocarbon odor.
22		11	C-20 -21.5'	10 23 23		GW	
24						SW	



Project Chevron - Livermore Owner Chevron USA Products Company
Location 4904 South Front Street, Livermore, CA Proj. No. 02070 0004

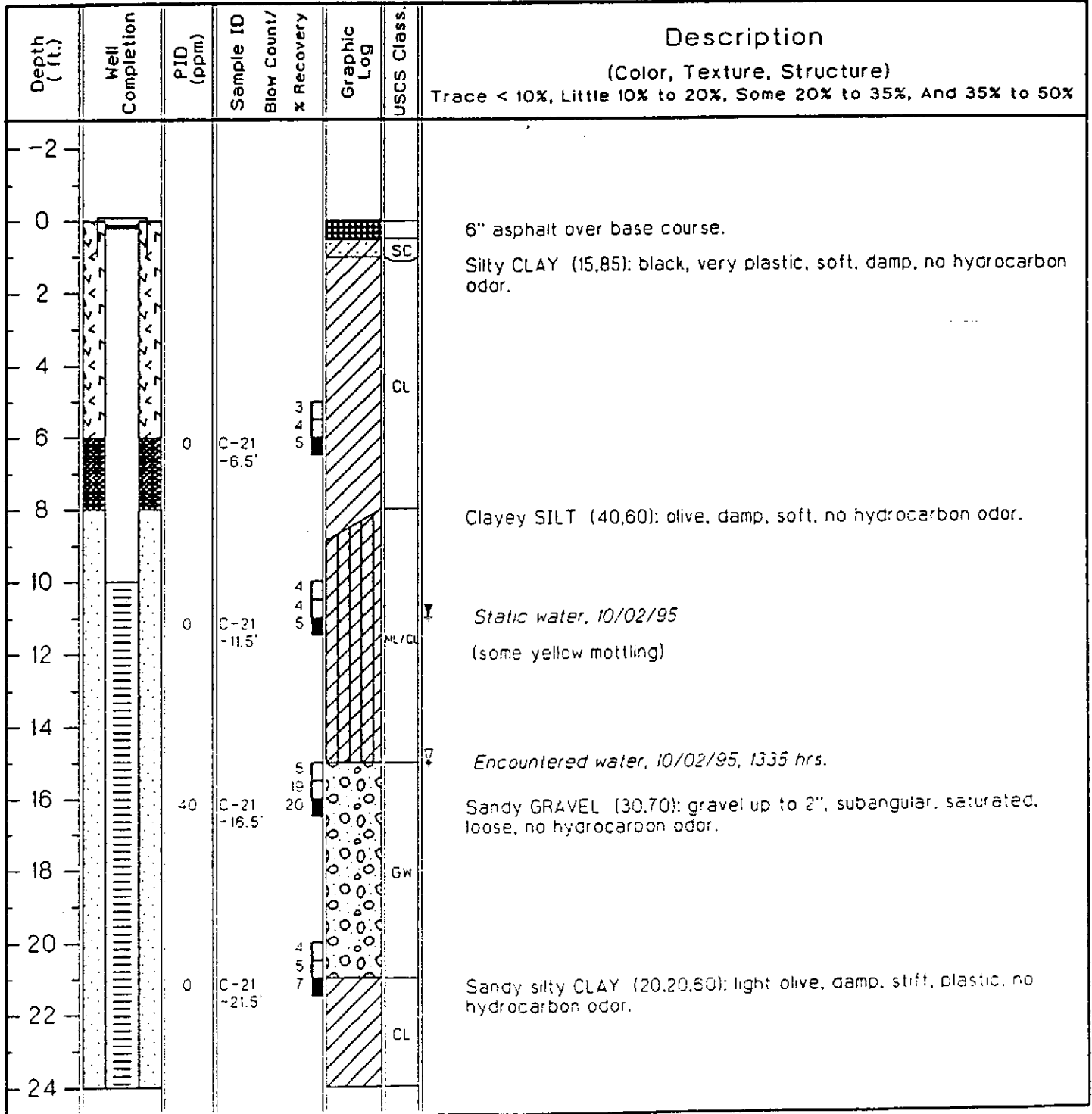
Depth (ft.)	Well Completion	PID (ppm)	Sample ID	Blow Count/ % Recovery	Graphic Log	USCS Class.	Description
							(Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
24		8	C-20 -26.5'	15 30 29		SW CL	Medium to coarse SAND: brown-gray, wet, loose, litharenite, subangular, moderately sorted, no hydrocarbon odor.
26							Clay in sample shoe, wet, no hydrocarbon odor. End of boring. Installed groundwater monitoring well.
28							
30							
32							
34							
36							
38							
40							
42							
44							
46							
48							
50							
52							
54							
56							



Project Chevron - Livermore Owner Chevron USA Products Company
 Location 4904 South Front Street, Livermore, CA Proj. No. 02070 0004
 Surface Elev. _____ Total Hole Depth 26.5 ft. Diameter 6.25 in.
 Top of Casing _____ Water Level Initial 15 ft. Static 11 ft.
 Screen: Dia 2 in. Length 15 ft. Type/Size 0.020 in.
 Casing: Dia 2 in. Length 10 ft. Type Sch 40 PVC
 Fill Material #3 Monterey Sand/Neat Cement Rig/Core CME-55/Spill Spoon
 Drill Co. SES, Inc. Method Hollow Stem Auger/PID
 Driller John C. Log By Terry James Date 10/02/95 Permit # _____
 Checked By Ed Simonis License No. RG#4422 EJA

See Site Map
For Boring Location

COMMENTS:





Project Chevron - Livermore Owner Chevron USA Products Company
Location 4904 South Front Street, Livermore, CA Proj. No. 02070 0004

Depth (ft.)	Well Completion	PTO (ppm)	Sample ID	Blow Count/ X Recovery	Graphic Log	USCS Class.	Description
							(Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
24		0	C-21 -26.5'	6 7 7		CL	Sandy silty CLAY (20,30,50): yellow brown, damp, soft, slight plastic, no hydrocarbon odor.
26							End of boring. Installed groundwater monitoring well.
28							
30							
32							
34							
36							
38							
40							
42							
44							
46							
48							
50							
52							
54							
56							



GROUND WATER TECHNOLOGY

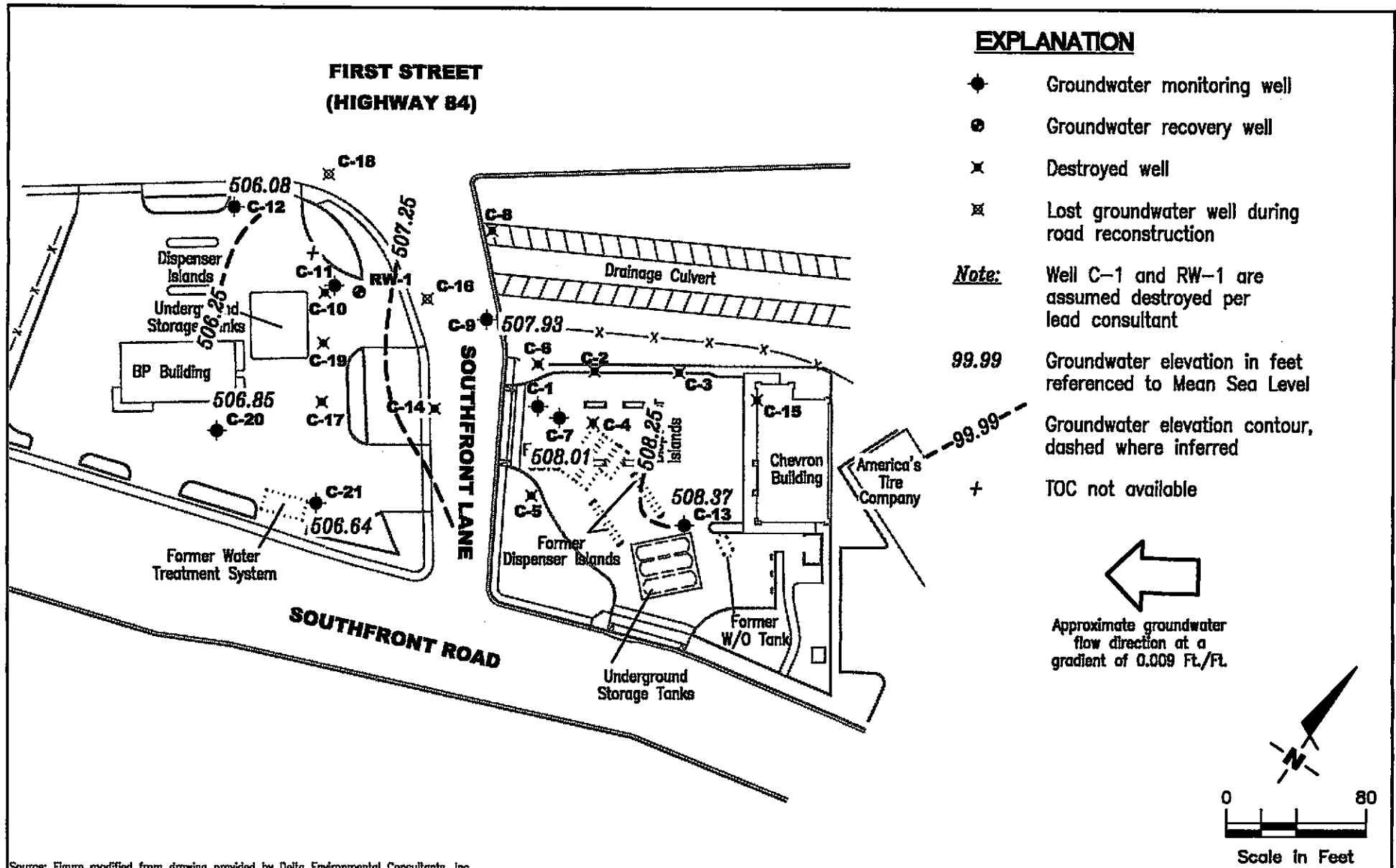
Division of Oil Recovery Systems, Inc.

Drilling Log

Project Chevron Well Number RW-1
 Owner Chevron U.S.A.
 Location Livermore Project Number 20-3229
 Date Drilled 1/16/85 Total Depth of Hole 32' Diameter 24"
 Surface Elevation _____ Water Level, Initial ~13.5' 24-hrs. _____
 Screen: Dia. 12" Length 30' Slot Size 020
 Casing: Dia. 12" Length 5' Type PVC
 Drilling Company Malcolm Drilling Method Auger/Bucket
 Driller Rip/Bill Log by C. Harper

Sketch Map
 On Mobil property
 Northwest corner
 Notes

Depth (Feet)	Well Construction	Notes	Sample Number	Graphic Log	Description/Soil Classification (Color, Texture, Structures)
0		VAULT			Asphalt
4					Silty clay with gravel and sand, some roots
6					Hitting side of concrete? Gravels
7		CEMENT			Moved 8" to the side of concrete pipe
8					Moved, hit water line at 2', moved
10		BENTONITE			Gravels (pea gravel fill for culvert pipe) Stopped at 10' due to caving of gravels
16					Yellow silty clay with fine sand intermixed, moist
18					Gray silty clay
21					Sand with clay
22					Tight light brown clay
23.5					Very tight clay
26					Gravelly clay and sand
32.5		BOTTOM CAP			Bottom Cased to 32.5'
					15 ppm reading of gas vapors in gravel backfill Odors to the nose



Source: Figure modified from drawing provided by Delta Environmental Consultants, Inc.

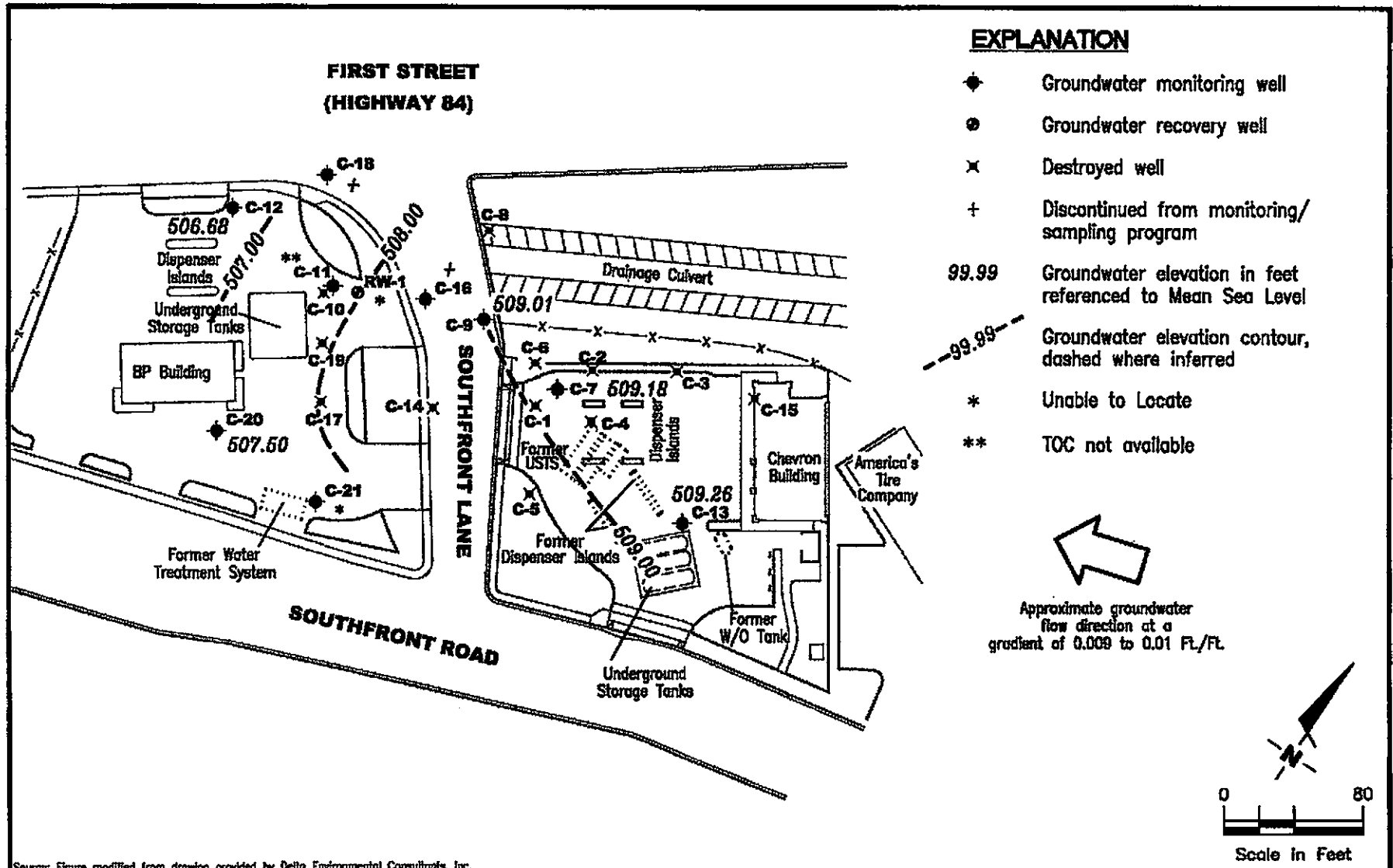
GETTLER - RYAN INC.
 8747 Sierra Ct., Suite J
 Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
 Chevron Service Station #9-1924
 4904 Southfront Road
 Livermore, California

FIGURE
1

PROJECT NUMBER 386448	REVIEWED BY	DATE June 13, 2002	REVISED DATE
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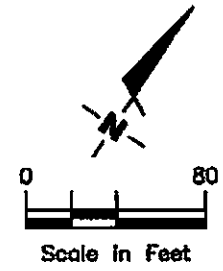
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EXPLANATION

- ◆ Groundwater monitoring well
- Groundwater recovery well
- × Destroyed well
- + Discontinued from monitoring/sampling program
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- - - 99.99 - - - Groundwater elevation contour, dashed where inferred
- * Unable to Locate
- ** TOC not available

←
 Approximate groundwater flow direction at a gradient of 0.009 to 0.01 Ft./Ft.



Source: Figure modified from drawing provided by Delto Environmental Consultants, Inc.

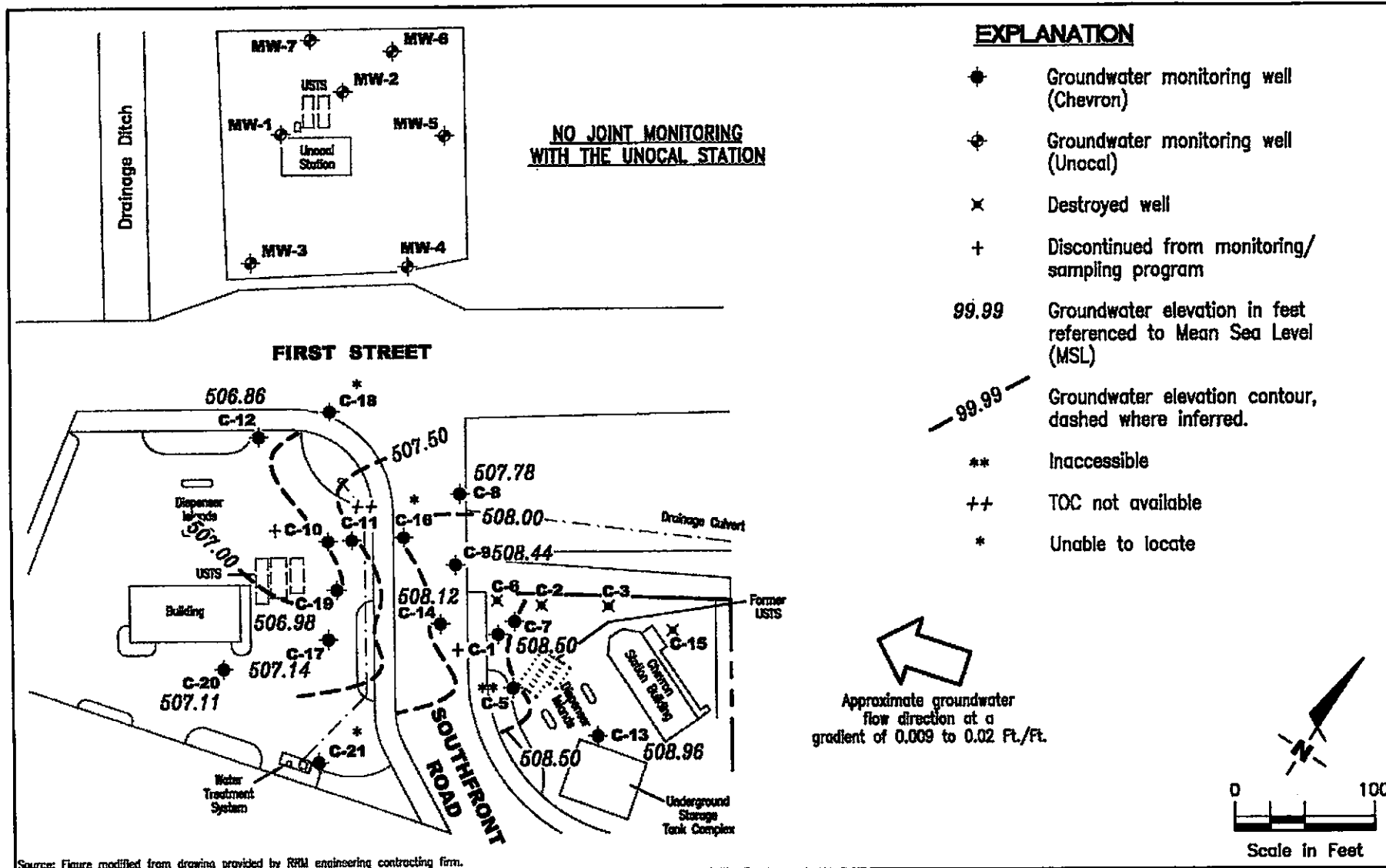
GETTLER - RYAN INC.
 6747 Sierra Ct., Suite J
 Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
 Chevron Service Station #9-1924
 4904 Southfront Road
 Livermore, California

FIGURE
1

PROJECT NUMBER 386448	REVIEWED BY	DATE December 28, 2001	REVISED DATE
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GETTLER - RYAN INC.
 6747 Sierra Ct., Suite J
 Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
 Chevron Service Station #9-1924
 4904 Southfront Road
 Livermore, California

FIGURE

1

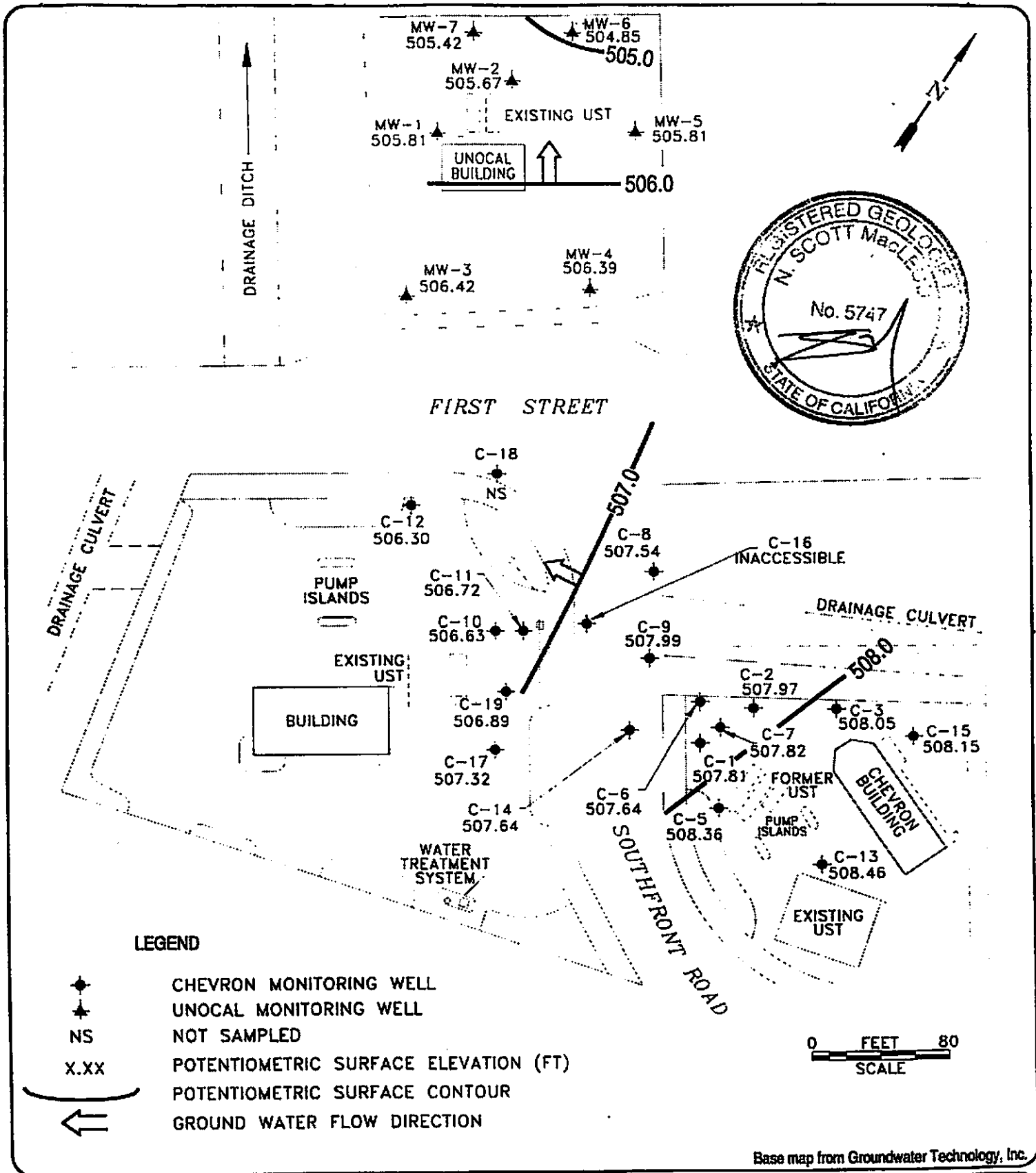
PROJECT NUMBER
386448

REVIEWED BY


DATE
March 23, 2001

REVISED DATE

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Base map from Groundwater Technology, Inc.

 <p>CAMBRIA Environmental Technology, Inc.</p>	<p>Chevron Station 9-1924 4904 Southfront Road Livermore, California</p>	<p>Ground Water Elevation October 17, 1995</p>	<p>FIGURE 1</p>
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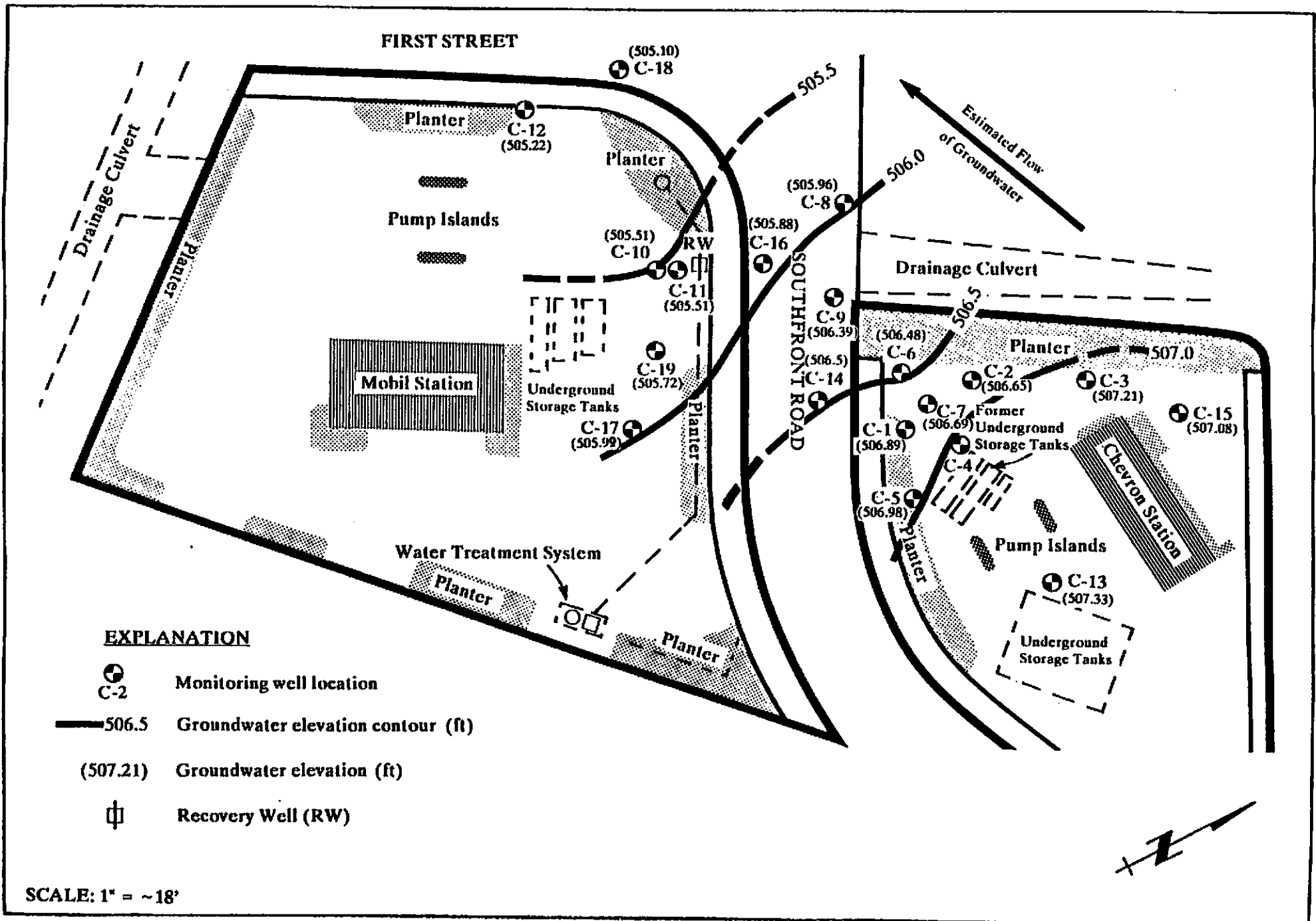


Figure 2. Potentiometric surface of the shallow water-bearing zone
 13 October 1988, Chevron SS #91924
 Livermore, California

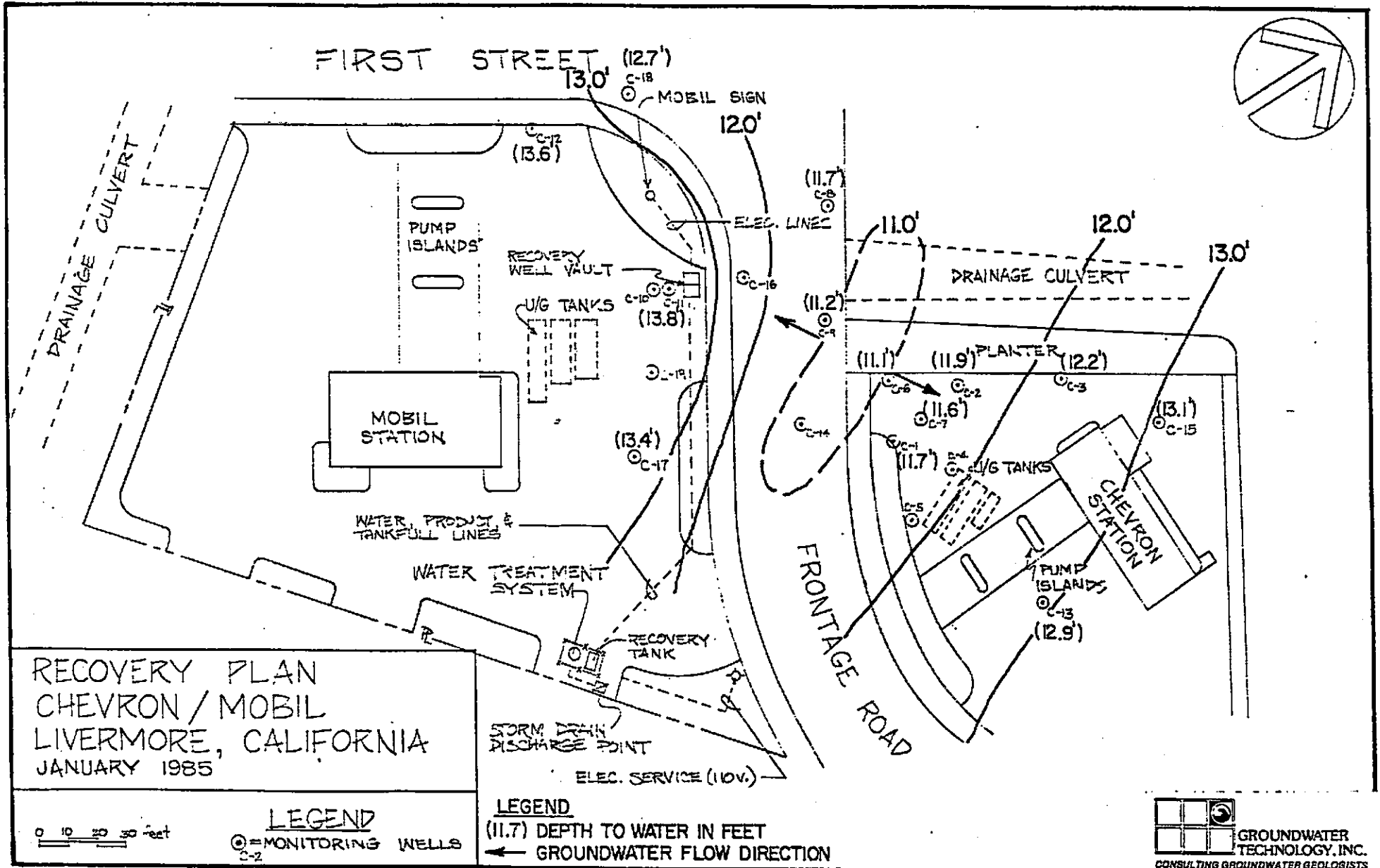


FIGURE 2
 DEPTH TO WATER MAP
 MARCH 28, 1986

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
C-1										
03/28/86	520.39	508.64	11.75	--	--	--	--	--	--	--
03/15/88	520.39	506.89	13.50	27,000	770	87	610	2,100	--	--
05/10/88	520.39	506.74	13.65	--	--	--	--	--	--	--
06/10/88	520.39	505.67	14.72	--	--	--	--	--	--	--
07/25/88	520.39	506.89	13.50	--	--	--	--	--	--	--
10/13/88	520.39	507.50	12.89	3,200	220	11	62	130	--	--
01/01/89	520.39	507.50	12.89	--	--	--	--	--	--	--
01/12/89	520.39	--	--	4,000	820	43	490	260	--	--
04/10/89	520.39	506.74	13.65	4,000	100	ND	70	50	--	ND
04/10/89	520.39	506.74	13.65	4,000	100	ND	60	50	--	--
06/26/89	520.39	506.45	13.94	600	97	20	60	50	--	ND
06/26/89	520.39	506.45	13.94	570	86	15	44	35	--	--
10/13/89	520.39	506.47	13.92	1,600	64	ND	51	48	--	ND
01/03/90	520.39	506.59	13.80	1,100	36	0.68	30	30	--	--
05/08/90	520.39	506.48	13.91	1,300	37	9.2	40	32	--	--
09/29/90	520.39	506.46	13.93	350	19	1.2	32	31	--	--
01/03/91	520.39	506.54	13.85	400	12	ND	17	14	--	--
04/12/91	520.39	506.88	13.51	--	--	--	--	--	--	--
09/04/91	520.39	506.29	14.10	--	--	--	--	--	--	--
04/06/92	520.39	507.33	13.06	1,000	12	0.8	31	31	--	--
07/28/92	520.39	506.46	13.93	4,200	47	110	96	260	--	--
10/16/92	520.39	505.94	14.45	1,800	11	ND	32	55	--	--
01/14/93	520.39	509.16	11.23	2,000	24	ND	98	62	--	--
03/26/93	520.39	509.45	10.94	4,400	21	12	120	100	--	--
04/22/93 ¹	520.39	504.14	16.25	18,000	26	44	580	330	--	--
07/20,21/93	520.39	505.10	15.29	7,100	73	11	470	470	--	--
10/20/93	520.39	506.89	13.50	880	19	26	260	190	--	--
01/20/94	520.39	507.13	13.26	2,900	13	10	130	60	--	--
04/21/94	520.39	506.93	13.46	1,400	8.8	7.8	82	34	--	--
07/21,22/94	520.39	506.93	13.46	800	4.7	2.7	34	13	--	--
01/18/95	520.39	508.67	11.72	2,000	18	10	130	10	--	--
04/17/95	520.39	508.58	11.81	2,500	13	1.9	33	4.3	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
C-1 (cont)										
07/18/95	520.39	508.27	12.12	1,100	<10	<10	27	<10	--	--
10/17/95	520.39	507.81	12.58	2,000	13	<5.0	24	<5.0	6,400	--
01/18/96	520.39	509.07	11.32	<2,000	35	30	<20	23	6,600	--
04/17/96	520.39	509.52	10.87	<1,000	31	<10	<10	<10	<50	--
07/16/96	520.39	509.01	11.38	830	15	<5.0	13	<5.0	9,000	--
10/16/96	520.39	508.58	11.81	<5,000	<50	<50	<50	<50	6,300	--
01/08/99	520.39	508.33	12.06	1,600	22	<10	10	<10	1,500/1,400 ²	--
NOT MONITORED/SAMPLED - UNABLE TO LOCATE										
ASSUMED DESTROYED (Per Lead Consultant 11/30/01)										
C-2										
03/28/86	520.76	508.78	11.98	--	--	--	--	--	--	--
03/15/88	520.76	506.99	13.77	22,000	3,900	1,900	1,200	1,200	--	--
05/10/88	520.76	506.73	14.03	--	--	--	--	--	--	--
06/10/88	520.76	505.64	15.12	--	--	--	--	--	--	--
07/25/88	520.76	506.90	13.86	--	--	--	--	--	--	--
10/13/88	520.76	506.65	14.11	ND	ND	ND	ND	ND	--	--
01/01/89	520.76	507.93	12.83	--	--	--	--	--	--	--
01/12/89	520.76	--	--	1,000	25	3.0	83	59	--	--
04/10/89	520.76	506.72	14.04	600	2.5	ND	15	12	--	ND
04/10/89	520.76	506.72	14.04	ND	ND	ND	11	11	--	--
06/26/89	520.76	506.42	14.34	640	5.3	8.0	18	14	--	ND
06/26/89	520.76	506.42	14.34	750	3.7	0.6	13	8.2	--	--
10/13/89	520.76	506.84	13.92	630	ND	ND	17	10	--	--
01/03/90	520.76	506.65	14.11	880	3	ND	19	17	--	--
05/08/90	520.76	506.48	14.28	340	1.3	2.7	8.4	11	--	--
09/29/90	520.76	506.51	14.25	74	ND	ND	4.6	1.8	--	--
01/03/91	520.76	506.61	14.15	2,000	270	ND	79	93	--	--
04/12/91	520.76	506.90	13.86	--	--	--	--	--	--	--
09/04/91	520.76	506.26	14.50	--	--	--	--	--	--	--
04/06/92	520.76	507.29	13.47	1,200	ND	ND	54	6.1	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)		
C-2 (cont)												
07/28/92	520.76	506.41	14.35	1,000	5.2	2.9	26	16	--	--		
10/16/92	520.76	505.92	14.84	2,000	ND	2.2	20	10	--	--		
01/14/93	520.76	509.54	11.22	1,800	49	50	31	29	--	--		
03/26/93	520.76	509.99	10.77	820	15	12	14	6.0	--	--		
04/22/93	520.76	507.83	12.93	2,000	12	12	28	29	--	--		
07/20,21/93	520.76	504.74	16.02	1,100	28	8.0	4.0	4.0	--	--		
10/20/93	520.76	506.92	13.84	1,600	140	18	22	27	--	--		
01/20/94	520.76	507.16	13.60	760	36	3.0	7.0	3.0	--	--		
04/21/94	520.76	506.66	14.10	430	23	2.8	6.8	6.8	--	--		
07/21,22/94	520.76	506.93	13.83	1,200	10	2.8	5.2	53	--	--		
01/18/95	520.76	508.94	11.82	640	1.0	<0.5	5.7	7.7	--	--		
04/17/95	520.76	508.72	12.04	<50	<0.5	<0.5	<0.5	<0.5	--	--		
07/18/95	520.76	508.34	12.42	81	<0.5	<0.5	<0.5	<0.5	--	--		
10/17/95	520.76	507.97	12.79	390	<0.5	<0.5	1.2	1.2	14	--		
01/18/96	520.76	509.18	11.58	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--		
04/17/96	520.76	509.49	11.27	62	<0.5	<0.5	<0.5	<0.5	<2.5	--		
07/16/96	520.76	508.81	11.95	370	2.1	1.5	3.1	3.9	47	--		
10/16/96	520.76	508.36	12.40	460	2.4	1.3	1.8	1.9	200	--		
04/10/97	520.76	508.49	12.27	480	0.63	<0.5	<0.5	<0.5	15	--		
10/20/97	520.76	508.45	12.31	SAMPLED ANNUALLY							--	--
04/30/98	520.76	509.50	11.26	140	1.0	0.61	1.1	1.9	6.4	--		
10/07/98	520.76	509.22	11.54	--	--	--	--	--	--	--		
04/14/99	520.76	509.35	11.41	201	1.96	<0.5	0.57	<0.5	11.2	--		
01/21/00	520.76	509.31	11.45	320	0.949	<0.5	0.967	0.62	8.48	--		
DESTROYED												
C-3												
03/28/86	521.31	509.07	12.24	--	--	--	--	--	--	--		
03/15/88	521.31	507.10	14.21	2,100	86	8.0	30	36	--	--		
05/10/88	521.31	506.88	14.43	--	--	--	--	--	--	--		
06/10/88	521.31	505.78	15.53	--	--	--	--	--	--	--		

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
C-3 (cont)										
07/25/88	521.31	507.09	14.22	--	--	--	--	--	--	--
10/13/88	521.31	507.21	14.10	ND	ND	ND	ND	ND	--	--
01/01/89	521.31	508.61	12.70	--	--	--	--	--	--	--
04/10/89	521.31	506.95	14.36	200	2.1	ND	4.4	2.6	--	ND
06/26/89	521.31	506.57	14.74	260	1.1	0.7	4.9	1.6	--	ND
10/13/89	521.31	506.61	14.70	ND	ND	ND	ND	ND	--	--
01/03/90	521.31	506.89	14.42	ND	ND	ND	0.9	1.4	--	--
05/08/90	521.31	506.66	14.65	ND	ND	ND	ND	ND	--	--
09/27/90	521.31	506.64	14.67	71	ND	1.0	ND	ND	--	--
01/03/91	521.31	506.73	14.58	57	ND	ND	ND	ND	--	--
04/12/91	521.31	507.08	14.23	98	ND	ND	1.6	ND	--	--
09/04/91	521.31	506.43	14.88	64	ND	ND	ND	ND	--	--
04/06/92	521.31	507.48	13.83	88	ND	ND	0.8	ND	--	--
07/28/92	521.31	506.51	14.80	80	ND	ND	0.5	1.1	--	--
10/16/92	521.31	506.08	15.23	1,400	ND	ND	6.6	11	--	--
01/14/93	521.31	509.86	11.45	100	ND	ND	ND	1.3	--	--
03/26/93	521.31	510.04	11.27	74	0.7	1.0	ND	ND	--	--
04/22/93	521.31	508.70	12.61	ND	ND	ND	ND	ND	--	--
07/20,21/93	521.31	505.14	16.17	ND	ND	ND	ND	ND	--	--
10/20/93	521.31	507.08	14.23	ND	ND	1.0	ND	0.8	--	--
01/20/94	521.31	507.30	14.01	ND	ND	ND	ND	ND	--	--
04/21/94	521.31	506.98	14.33	ND	ND	ND	ND	ND	--	--
07/21,22/94	521.31	507.00	14.31	ND	ND	ND	ND	ND	--	--
DESTROYED										
C-5										
03/28/86	520.82	508.82	12.00	--	--	--	--	--	--	--
03/15/88	520.82	507.07	13.75	1,600	82	7.0	77	95	--	--
05/10/88	520.82	506.90	13.92	--	--	--	--	--	--	--
07/10/88	520.82	507.10	13.72	--	--	--	--	--	--	--
07/25/88	520.82	507.10	13.72	--	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
C-5 (cont)										
10/13/88	520.82	506.98	13.84	2,500	ND	ND	ND	ND	--	--
01/01/89	520.82	507.41	13.41	--	--	--	--	--	--	--
01/12/89	520.82	--	--	ND	42	3.0	44	52	--	--
04/10/89	520.82	--	13.88	180	2.6	ND	6.2	5.5	--	ND
06/26/89	520.82	506.68	14.14	420	7.6	0.8	40	56	--	ND
10/13/89	520.82	506.67	14.15	620	ND	ND	10	ND	--	ND
01/03/90	520.82	506.72	14.10	ND	0.7	ND	8.0	6.0	--	--
05/08/90	520.82	506.82	14.00	140	0.6	0.8	11	7.2	--	--
09/27/90	520.82	506.82	14.00	360	ND	3.2	5.2	6.4	--	--
01/03/91	520.82	506.82	14.00	90	ND	ND	ND	3.0	--	--
04/12/91	520.82	507.11	13.71	270	12	ND	19	7.0	--	--
09/04/91	520.82	506.52	14.30	ND	ND	ND	ND	ND	--	--
04/06/92	520.82	507.53	13.29	670	12	ND	40	ND	--	--
07/28/92	520.82	506.69	14.13	130	15	ND	1.8	0.5	--	--
10/16/92	520.82	506.14	14.68	ND	ND	ND	ND	1.2	--	--
01/14/93	520.82	508.95	11.87	2,300	13	ND	110	10	--	--
03/26/93	520.82	--	--	--	--	--	--	--	--	--
04/22/93	520.82	508.70	12.12	2,300	220	18	120	65	--	--
07/20,21/93	520.82	504.78	16.04	970	18	5.0	8.0	14	--	--
10/20/93	520.82	506.72	14.10	2,200	7.0	5.0	3.0	15	--	--
01/20/94	520.82	507.22	13.60	440	2.0	1.0	11	0.6	--	--
04/21/94	520.82	507.01	13.81	490	2.7	2.6	21	1.5	--	--
07/21,22/94	520.82	507.00	13.82	370	0.9	ND	6.5	1.0	--	--
01/18/95	520.82	508.55	12.27	940	37	22	14	7.3	--	--
04/17/95	520.82	508.65	12.17	14,000	1,200	340	160	80	--	--
07/18/95	520.82	508.51	12.31	<2,000	180	<20	<20	<20	--	--
10/17/95	520.82	508.36	12.46	92	4.9	<0.5	<0.5	<0.5	240	--
01/18/96	520.82	509.04	11.78	1,300	180	<5.0	10	7.9	4,300	--
04/17/96	520.82	509.71	11.11	2,200	140	<10	<10	<10	5,400	--
07/16/96	520.82	509.40	11.42	380	4.5	<0.5	3.4	3.1	1,400	--
10/16/96	520.82	508.82	12.00	320	3.4	<1.0	<1.0	1.5	660	--
04/10/97	520.82	509.07	11.75	980	12	<2.5	3.0	<2.5	1,700	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (<i>ft.</i>)	GWE (<i>msl</i>)	DTW (<i>ft.</i>)	TPH-G (<i>ppb</i>)	B (<i>ppb</i>)	T (<i>ppb</i>)	E (<i>ppb</i>)	X (<i>ppb</i>)	MTBE (<i>ppb</i>)	TOG (<i>ppb</i>)		
C-5 (cont)												
10/20/97	520.82	508.76	12.06	SAMPLED ANNUALLY							--	--
04/30/98	520.82	510.02	10.80	1,500	38	<5.0	17	5.4	1,700	--		
10/07/98	520.82	509.78	11.04	--	--	--	--	--	--	--		
04/14/99	520.82	509.53	11.29	227	10.9	0.511	1.17	1.06	468	--		
01/21/00	520.82	509.42	11.40	909	11.5	<2.0	4.48	<2.0	493	--		
03/23/01	520.82	INACCESSIBLE - DUE TO OBSTRUCTION IN WELL				--	--	--	--	--		
09/28/01	520.82	INACCESSIBLE - DUE TO OBSTRUCTION IN WELL				--	--	--	--	--		
DESTROYED												
C-6												
03/26/86	519.62	508.50	11.12	--	--	--	--	--	--	--		
03/15/88	519.62	506.69	12.93	46,000	870	4,600	1,500	8,200	--	--		
05/10/88	519.62	506.59	13.03	86,000	1,400	10,000	3,000	19,000	--	--		
06/10/88	519.62	505.51	14.11	--	--	--	--	--	--	--		
07/25/88	519.62	506.67	12.95	--	--	--	--	--	--	--		
10/13/88	519.62	506.48	13.14	5,300	300	600	260	1,600	--	--		
01/01/89	519.62	507.48	12.14	--	--	--	--	--	--	--		
01/12/89	519.62	--	--	5,000	260	110	270	720	--	--		
04/12/89	519.62	506.64	12.98	5,000	90	190	190	680	--	4.0		
06/26/89	519.62	506.23	13.39	3,600	77	250	140	610	--	ND		
10/13/89	519.62	506.22	13.40	3,500	32	81	100	530	--	ND		
01/03/90	519.62	506.44	13.18	3,200	20	97	65	410	--	--		
05/08/90	519.62	506.23	13.39	1,800	17	140	ND	400	--	--		
09/29/90	519.62	506.30	13.32	8,000	58	210	260	2,100	--	--		
01/03/91	519.62	506.43	13.19	2,300	4.0	79	59	380	--	--		
04/12/91	519.62	506.71	12.91	--	--	--	--	--	--	--		
09/04/91	519.62	506.06	13.56	--	--	--	--	--	--	--		
04/06/92	519.62	507.14	12.48	44,000	ND	120	740	3,400	--	--		
07/28/92	519.62	506.15	13.47	120,000	220	1,100	3,000	13,000	--	--		
10/16/92	519.62	505.67	13.95	570,000	ND	830	3,300	9,600	--	--		
01/14/93	519.62	509.23	10.39	19,000	ND	25	460	980	--	--		

Table 1
Groundwater Monitoring Data and Analytical Results
 Chevron Service Station #9-1924
 4904 Southfront Road
 Livermore, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
C-6 (cont)										
03/26/93	519.62	509.79	9.83	11,000	30	90	290	1,100	--	--
04/22/93	519.62	508.30	11.32	20,000	29	170	640	2,400	--	--
07/20,21/93	519.62	504.70	14.92	32,000	130	490	1,000	4,900	--	--
10/20/93	519.62	506.71	12.91	77,000	290	790	2,500	7,600	--	--
01/20/94	519.62	506.94	12.68	22,000	10	86	510	29	--	--
04/21/94	519.62	506.74	12.88	6,500	17	42	160	210	--	--
07/21,22/94	519.62	506.78	12.84	4,500	ND	7.1	130	130	--	--
01/18/95	519.62	508.61	11.01	3,600	3.3	6.7	62	78	--	--
04/17/95	519.62	508.35	11.27	1,500	1.6	2.2	14	12	--	--
07/18/95	519.62	508.16	11.46	4,000	<10	<10	40	22	--	--
10/17/95	519.62	507.64	11.98	6,000	<10	<10	100	58	5,200	--
01/18/96	519.62	508.78	10.84	1,200	<5.0	<5.0	10	<5.0	2,600	--
04/17/96	519.62	509.15	10.47	510	<2.5	<2.5	10	3.0	490	--
07/16/96	519.62	508.65	10.97	1,300	10	<10	51	<10	2,700	--
10/16/96	519.62	508.12	11.50	2,600	31	<10	12	11	5,100	--
04/10/97	519.62	508.35	11.27	1,300	5.1	<2.5	17	<2.5	1,300	--
10/20/97	519.62	507.85	11.77	2,200	<2.5	4.6	14	13	1,300	--
04/30/98	519.62	509.01	10.61	1,300	6.5	8.6	5.6	7.0	180	--
10/07/98	519.62	508.71	10.91	1,200	11	<10	15	<10	710	--
04/14/99	519.62	508.77	10.85	2,180	13.6	<2.0	5.52	4.12	116	--
01/21/00	519.62	508.73	10.89	1,230	10.3	<5.0	5.89	6.09	217	--
DESTROYED										
C-7										
03/28/86	520.30	508.63	11.67	--	--	--	--	--	--	--
03/15/88	520.30	506.82	13.48	8,000	98	690	120	120	--	--
05/10/88	520.30	506.70	13.60	--	--	--	--	--	--	--
06/10/88	520.30	505.62	14.68	--	--	--	--	--	--	--
07/25/88	520.30	506.87	13.43	--	--	--	--	--	--	--
10/13/88	520.30	506.69	13.61	16,000	4,400	220	1,000	3,000	--	--
01/01/89	520.30	507.64	12.66	--	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (<i>ft.</i>)	GWE (<i>mst</i>)	DTW (<i>ft.</i>)	TPH-G (<i>ppb</i>)	B (<i>ppb</i>)	T (<i>ppb</i>)	E (<i>ppb</i>)	X (<i>ppb</i>)	MTBE (<i>ppb</i>)	TOG (<i>ppb</i>)
C-7 (cont)										
01/12/89	520.30	--	--	8,000	950	47	670	640	--	--
04/12/89	520.30	506.70	13.60	6,000	1,100	30	760	370	--	ND
06/26/89	520.30	506.42	13.88	6,000	1,300	50	600	340	--	ND
10/13/89	520.30	506.49	13.81	3,900	1,300	ND	160	150	--	--
01/03/90	520.30	506.59	13.71	5,600	1,200	13	180	200	--	--
05/08/90	520.30	506.45	13.85	3,500	1,100	15	110	140	--	--
09/29/90	520.30	506.50	13.80	2,400	580	ND	46	68	--	--
01/03/91	520.30	506.59	13.71	2,500	300	2.0	110	120	--	--
04/12/91	520.30	506.84	13.46	2,300	190	1.0	81	87	--	--
09/04/91	520.30	506.21	14.09	--	--	--	--	--	--	--
10/07/91	520.30	--	--	4,700	170	1.9	97	59	--	--
04/06/92	520.30	507.28	13.02	2,400	95	0.8	110	100	--	--
07/28/92	520.30	506.54	13.76	2,000	120	3.4	110	110	--	--
10/16/92	520.30	505.88	14.42	2,700	130	4.2	68	74	--	--
01/14/93	520.30	509.32	10.98	7,800	160	33	380	210	--	--
03/26/93	520.30	509.69	10.61	1,400	39	9.0	28	15	--	--
04/22/93	520.30	508.46	11.84	3,800	130	18	43	36	--	--
07/20-21/93 ¹	520.30	504.94	15.36	1,900	35	18	61	87	--	--
10/20/93	520.30	506.89	13.41	5,500	72	26	250	160	--	--
01/20/94 ¹	520.30	507.11	13.19	3,600	12	12	150	69	--	--
04/21/94	520.30	506.97	13.33	2,100	62	11	170	68	--	--
07/21,22/94	520.30	506.91	13.39	1,700	50	4.4	110	22	--	--
01/18/95	520.30	508.71	11.59	920	16	<0.5	30	12	--	--
04/17/95	520.30	508.56	11.74	730	4.3	1.6	12	1.8	--	--
07/18/95	520.30	508.32	11.98	1,200	63	<5.0	12	<5.0	--	--
10/17/95	520.30	507.82	12.48	1,100	45	<5.0	12	<5.0	8,100	--
01/18/96	520.30	508.90	11.40	930	7.3	<5.0	<5.0	<5.0	1,900	--
04/17/96	520.30	509.34	10.96	980	5.5	<1.0	7.4	1.1	340	--
07/16/96	520.30	508.79	11.51	1,400	96	<5.0	11	9.9	3,000	--
10/16/96	520.30	508.30	12.00	4,100	40	<5.0	7.5	5.5	3,800	--
03/23/01	520.30	508.50	11.80	329	<0.500	<0.500	<0.500	<0.500	33.2/38 ⁴	--
09/28/01	520.30	508.17	12.13	1,100	3.8	<1.0	3.2	<5.0	130	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (<i>fl.</i>)	GWE (<i>msl</i>)	DTW (<i>fl.</i>)	TPH-G (<i>ppb</i>)	B (<i>ppb</i>)	T (<i>ppb</i>)	E (<i>ppb</i>)	X (<i>ppb</i>)	MTBE (<i>ppb</i>)	TOG (<i>ppb</i>)
C-7 (cont)										
12/28/01	520.30	509.18	11.12	800	3.1	2.6	2.6	16	42	--
03/29/02	520.30	508.65	11.65	360	0.73	<0.50	1.4	2.7	13/12 ⁴	--
06/13/02	520.30	508.01	12.29	1,100	2.1	<2.0	3.3	6.4	35	--
C-8										
03/28/86	519.74	507.96	11.78	--	--	--	--	--	--	--
03/15/88	519.74	506.11	13.63	7,500	360	25	10	ND	--	--
05/10/88	519.74	506.00	13.74	--	--	--	--	--	--	--
06/10/88	519.74	504.85	14.89	--	--	--	--	--	--	--
07/25/88	519.74	506.09	13.65	--	--	--	--	--	--	--
10/13/88	519.74	505.96	13.78	ND	6.0	5.3	ND	ND	--	--
01/01/89	519.74	507.06	12.68	--	--	--	--	--	--	--
01/12/89	519.74	--	--	ND	37	4.0	1.0	5.0	--	--
04/12/89	519.74	505.97	13.77	3,000	13	ND	ND	ND	--	12
06/26/89	519.74	505.71	14.03	780	14	6.0	ND	6.0	--	ND
10/13/89	519.74	505.68	14.06	ND	ND	ND	ND	ND	--	ND
01/03/90	519.74	506.00	13.74	910	ND	ND	1.0	1.0	--	--
05/07/90	519.74	505.64	14.10	620	3.9	6.0	0.5	3.4	--	--
09/29/90	519.74	505.77	13.97	77	ND	1.4	ND	ND	--	--
01/03/91	519.74	505.93	13.81	67	2.0	2.0	ND	2.0	--	--
04/12/91	519.74	506.14	13.60	180	4.0	ND	ND	ND	--	--
09/04/91	519.74	505.60	14.14	140	1.8	4.7	0.8	4.8	--	--
04/06/92	519.74	506.62	13.12	150	ND	ND	ND	ND	--	--
07/28/92	519.74	505.64	14.10	90	ND	ND	ND	0.8	--	--
10/16/92	519.74	505.17	14.57	51	ND	ND	ND	ND	--	--
01/14/93	519.74	508.79	10.95	120	ND	1.6	1.0	3.5	--	--
03/26/93	519.74	--	--	--	--	--	--	--	--	--
04/22/93	519.74	507.67	12.07	68	ND	0.6	0.6	0.8	--	--
07/20,21/93	519.74	504.04	15.70	ND	ND	ND	ND	ND	--	--
10/20/93	519.74	506.23	13.51	ND	ND	ND	ND	ND	--	--
01/20/94	519.74	506.23	13.51	ND	ND	ND	ND	ND	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Chevron Service Station #9-1924
 4904 Southfront Road
 Livermore, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)		
C-8 (cont)												
04/21/94	519.74	506.06	13.68	ND	ND	ND	ND	ND	--	--		
07/21,22/94	519.74	506.24	13.50	51	ND	ND	ND	ND	--	--		
01/18/95	519.74	DRY	--	--	--	--	--	--	--	--		
04/17/95	519.74	DRY	--	--	--	--	--	--	--	--		
07/18/95	519.74	DRY	--	--	--	--	--	--	--	--		
10/17/95	519.74	507.54	12.20	NOT SAMPLED DUE TO INSUFFICIENT WATER							--	--
01/18/96	519.74	507.64	12.10	NOT SAMPLED DUE TO INSUFFICIENT WATER							--	--
04/17/96	519.74	508.87	10.87	SAMPLED SEMI-ANNUALLY							--	--
07/16/96	519.74	508.26	11.48	NOT SAMPLED DUE TO INSUFFICIENT WATER							--	--
10/16/96	519.74	507.78	11.96	--	--	--	--	--	--	--		
03/23/01	519.74	507.78	11.96	--	--	--	--	--	--	--		
09/28/01	519.74	DRY	--	--	--	--	--	--	--	--		
DESTROYED												
C-9												
03/28/86	519.52	508.28	11.24	--	--	--	--	--	--	--		
03/15/88	519.52	506.60	12.92	29,000	540	560	580	3,900	--	--		
05/10/88	519.52	506.40	13.12	--	--	--	--	--	--	--		
06/10/88	519.52	505.36	14.16	--	--	--	--	--	--	--		
07/25/88	519.52	506.52	13.00	--	--	--	--	--	--	--		
10/13/88	519.52	506.39	13.13	2,200	57	8.0	20	150	--	--		
01/01/89	519.52	507.33	12.19	--	--	--	--	--	--	--		
01/12/89	519.52	--	--	2,000	39	12	51	46	--	--		
04/12/89	519.52	506.41	13.11	6,000	16	20	55	240	--	ND		
04/11/89	519.52	506.41	13.11	6,000	14	25	45	290	--	--		
06/26/89	519.52	506.12	13.40	3,900	37	63	140	690	--	ND		
10/13/89	519.52	506.06	13.46	1,300	7.0	ND	26	50	--	ND		
01/03/90	519.52	506.22	13.30	1,500	ND	0.7	202	37	--	--		
05/07/90	519.52	506.04	13.48	7,100	21	33	89	500	--	--		
09/29/90	519.52	506.13	13.39	1,000	21	3.9	31	110	--	--		
01/03/91	519.72	506.44	13.28	3,200	ND	ND	32	140	--	--		

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
C-9 (cont)										
04/12/91	519.72	506.72	13.00	--	--	--	--	--	--	--
09/04/91	519.72	506.11	13.61	--	--	--	--	--	--	--
04/06/92	519.72	507.18	12.54	2,800	ND	ND	33	130	--	--
07/28/92	519.72	506.27	13.45	1,000	6.5	2.4	17	37	--	--
10/16/92	519.72	505.74	13.98	190,000	ND	730	960	2,000	--	--
01/14/93	519.72	509.28	10.44	2,200	ND	ND	27	77	--	--
03/26/93	519.72	--	--	--	--	--	--	--	--	--
04/22/93	519.72	508.29	11.43	7,300	60	40	68	98	--	--
07/20,21/93	519.72	504.52	15.20	30,000	160	130	450	1,100	--	--
10/20/93	519.72	506.76	12.96	36,000	22	200	440	930	--	--
01/20/94	519.72	506.88	12.84	12,000	55	57	27	210	--	--
04/21/94	519.72	506.58	13.14	2,200	11	12	23	19	--	--
07/21,22/94	519.72	506.77	12.95	1,100	ND	4.0	14	10	--	--
01/18/95	519.72	508.57	11.15	2,100	9.2	13	19	13	--	--
04/17/95	519.72	508.41	11.31	3,800	4.8	3.6	5.9	7.2	--	--
07/18/95	519.72	508.06	11.66	1,700	<2.0	<2.0	9.6	8.3	--	--
10/17/95	519.72	507.99	11.73	1,200	<1.2	<1.2	2.2	4.3	450	--
01/18/96	519.72	509.04	10.68	1,400	3.1	<2.5	<2.5	<2.5	750	--
04/17/96	519.72	509.67	10.05	480	0.94	<0.5	1.7	1.1	380	--
07/16/96	519.72	508.80	10.92	290	2.7	<0.5	2.0	3.3	420	--
10/16/96	519.72	508.42	11.30	2,200	13	<10	<10	<10	1,300	--
04/10/97	519.72	508.52	11.20	680	<5.0	<5.0	<5.0	<5.0	630	--
10/20/97	519.72	508.28	11.44	650	11	<5.0	8.1	7.2	1,000	--
04/30/98	519.72	509.11	10.61	880	4.4	3.9	2.0	8.5	200	--
10/07/98	519.72	508.87	10.85	<50	0.68	<0.5	<0.5	<0.5	130	--
04/14/99	519.72	508.89	10.83	534	3.28	<0.5	3.0	<0.5	94.4	--
01/21/00	519.72	508.82	10.90	937	<0.5	0.718	1.64	1.3	144	--
03/23/01	519.72	508.44	11.28	434	<0.500	<0.500	<0.500	<0.500	19.7/22 ⁴	--
09/28/01	519.72	508.14	11.58	480	0.92	<1.0	1.1	<5.0	21	--
12/28/01	519.72	509.01	10.71	340	1.0	0.51	<2.0	<5.0	17	--
03/29/02	519.72	508.55	11.17	350	0.67	<0.50	<2.0	<5.0	18/16 ⁴	--
06/13/02	519.72	507.93	11.79	300	0.50	<0.50	<1.0	<3.0	5.9	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
C-10										
03/28/86	520.41	--	--	--	--	--	--	--	--	--
03/15/88	520.41	505.55	14.86	90	7.0	ND	ND	ND	--	--
05/10/88	520.41	505.51	14.90	--	--	--	--	--	--	--
06/10/88	520.41	504.47	15.94	--	--	--	--	--	--	--
07/25/88	520.41	505.56	14.85	--	--	--	--	--	--	--
10/13/88	520.41	505.51	14.90	ND	ND	ND	ND	ND	--	--
01/01/89	520.41	505.58	14.83	--	--	--	--	--	--	--
01/12/89	520.41	--	--	ND	ND	ND	ND	ND	--	--
04/11/89	520.41	505.51	14.90	ND	4.8	ND	ND	ND	--	ND
06/26/89	520.41	505.29	15.12	ND	0.7	ND	ND	1.5	--	4.0
10/13/89	520.41	505.30	15.11	ND	ND	ND	ND	ND	--	ND
01/03/90	520.41	505.40	15.01	ND	ND	ND	ND	ND	--	--
05/07/90	520.41	504.88	15.53	ND	ND	ND	ND	ND	--	--
09/27/90	520.41	505.21	15.20	ND	ND	ND	ND	ND	--	--
01/03/91	520.41	505.35	15.06	ND	ND	ND	ND	ND	--	--
04/12/91	520.41	505.55	14.86	110	16	ND	2.9	2.7	--	--
09/04/91	520.41	505.19	15.22	ND	ND	ND	ND	ND	--	--
04/06/92	520.41	506.20	14.21	57	ND	ND	ND	ND	--	--
07/28/92	520.41	505.63	14.78	ND	ND	ND	ND	ND	--	--
10/16/92	520.41	504.90	15.51	ND	ND	ND	ND	ND	--	--
01/14/93	520.41	506.97	13.44	88	4.7	ND	2.3	1.6	--	--
03/26/93	520.41	507.86	12.55	ND	ND	ND	ND	ND	--	--
04/22/93	520.41	506.67	13.74	ND	ND	ND	ND	ND	--	--
07/20,21/93	520.41	503.92	16.49	100	ND	ND	ND	ND	--	--
10/20/93	520.41	505.77	14.64	ND	ND	ND	ND	ND	--	--
01/20/94	520.41	506.02	14.39	ND	ND	ND	ND	ND	--	--
04/21/94	520.41	505.79	14.62	ND	0.8	ND	ND	ND	--	--
07/21,22/94	520.41	505.84	14.57	ND	ND	ND	ND	ND	--	--
01/18/95	520.41	506.77	13.64	<50	1.2	<0.5	<0.5	<0.5	--	--
04/17/95	520.41	506.87	13.54	SAMPLED SEMI-ANNUALLY			--	--	--	--
07/18/95	520.41	506.97	13.44	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/17/95	520.41	506.63	13.78	--	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Chevron Service Station #9-1924
 4904 Southfront Road
 Livermore, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
C-10 (cont)										
01/18/96	520.41	506.81	13.60	<125	3.7	<1.2	<1.2	<1.2	1,000	--
04/17/96	520.41	507.23	13.18	--	--	--	--	--	--	--
07/16/96	520.41	507.30	13.11	<200	<2.0	<2.0	<2.0	<2.0	1,000	--
10/16/96	520.41	506.91	13.50	--	--	--	--	--	--	--
09/28/01	520.41	506.36	14.05	--	--	--	--	--	--	--
DESTROYED										
C-11										
03/28/86	520.04	506.22	13.82	--	--	--	--	--	--	--
03/15/88	520.04	505.55	14.49	--	--	--	--	--	--	--
05/10/88	520.04	505.73	14.31	--	--	--	--	--	--	--
06/10/88	520.04	504.57	15.47	--	--	--	--	--	--	--
07/25/88	520.04	506.44	13.60	--	--	--	--	--	--	--
10/14/88	520.04	505.51	14.53	2.0	240	33	4.7	67	--	--
01/01/89	520.04	505.94	14.10	--	--	--	--	--	--	--
01/12/89	520.04	--	--	ND	ND	0.8	ND	ND	--	--
04/12/89	520.04	505.68	14.36	ND	4.3	ND	ND	ND	--	ND
06/26/89	520.04	505.46	14.58	ND	2.0	ND	ND	ND	--	4.0
10/13/89	520.04	505.33	14.71	ND	ND	ND	ND	ND	--	ND
01/03/90	520.04	505.43	14.61	ND	ND	ND	ND	0.7	--	--
05/08/90	520.04	504.51	15.53	110	12	11	0.9	22	--	--
09/28/90	520.04	504.53	15.51	ND	2.0	1.4	ND	3.3	--	--
01/03/91	520.04	505.41	14.63	ND	2.0	ND	ND	2.0	--	--
04/12/91	520.04	505.74	14.30	--	--	--	--	--	--	--
09/04/91	520.04	505.20	14.84	--	--	--	--	--	--	--
04/06/92	520.04	506.48	13.56	ND	ND	ND	ND	ND	--	--
07/28/92	520.04	505.65	14.39	ND	ND	ND	ND	ND	--	--
10/16/92	520.04	504.25	15.79	ND	ND	ND	ND	ND	--	--
01/14/93	520.04	507.90	12.14	94	ND	1.3	0.7	6.0	--	--
03/26/93	520.04	508.23	11.81	130	2.0	ND	0.6	1.0	--	--
04/22/93	520.04	507.10	12.94	ND	0.8	ND	ND	ND	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Chevron Service Station #9-1924
 4904 Southfront Road
 Livermore, California

WELL ID/ DATE	TOC (<i>ft.</i>)	GWE (<i>msl</i>)	DTW (<i>ft.</i>)	TPH-G (<i>ppb</i>)	B (<i>ppb</i>)	T (<i>ppb</i>)	E (<i>ppb</i>)	X (<i>ppb</i>)	MTBE (<i>ppb</i>)	TOG (<i>ppb</i>)
C-11 (cont)										
07/20,21/93	520.04	503.56	16.48	1,200	3.0	1.0	ND	1.0	--	--
10/20/93	520.04	505.58	14.46	ND	2.0	ND	ND	ND	--	--
01/20/94	520.04	505.92	14.12	140	5.0	0.6	3.0	4.0	--	--
04/21/94	520.04	505.80	14.24	86	1.7	0.6	1.2	1.6	--	--
07/21,22/94	520.04	505.83	14.21	ND	ND	ND	ND	ND	--	--
01/18/95	520.04	506.81	13.23	50	3.7	<0.5	0.9	1.9	--	--
04/17/95	520.04	507.03	13.01	89	1.4	1.3	0.69	0.79	--	--
07/18/95	520.04	507.04	13.00	89	0.95	<0.5	1.1	1.0	--	--
10/17/95	520.04	506.72	13.32	73	<0.5	<0.5	<0.5	<0.5	390	--
01/18/96	520.04	507.14	12.90	240	12	29	4.3	33	<2.5	--
04/17/96	519.95	507.47	12.48	<50	<0.5	<0.5	<0.5	<0.5	26	--
07/16/96	519.95	507.28	12.67	<500	17	<5.0	<5.0	20	5,900	--
10/16/96	519.95	506.90	13.05	<125	<1.2	<1.2	<1.2	<1.2	910	--
04/10/97	519.95	506.77	13.18	<100	<1.0	<1.0	<1.0	<1.0	460	--
10/20/97	519.95	506.70	13.25	190	<0.5	7.2	2.6	16	8,900	--
04/30/98	519.95	507.19	12.76	<1,000	<10	<10	<10	<10	2,100	--
10/07/98	519.95	507.27	12.68	<50,000	930	<500	<500	<500	700,000	--
01/08/99	519.95	506.74	13.21	<500	16	<5.0	<5.0	<5.0	11,000/9,900 ²	--
04/14/99	519.95	506.84	13.11	99.6	2.13	<0.5	1.08	<0.5	853	--
01/21/00	-- ³	--	13.21	52.5	<0.5	<0.5	<0.5	0.756	261	--
03/23/01	-- ³	--	13.11	<50.0	<0.500	<0.500	<0.500	<0.500	92.3/110 ⁴	--
09/28/01	-- ³	--	13.35	73	<0.50	<0.50	<0.50	<1.5	140	--
12/28/01	-- ³	--	11.43	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/29/02	-- ³	--	13.15	<50	<0.50	<0.50	<0.50	<1.5	4.1/3 ⁴	--
06/13/02	-- ³	--	13.38	56	<0.50	<0.50	<0.50	<1.5	69	--
C-12										
03/28/86	519.82	506.21	13.61	--	--	--	--	--	--	--
03/15/88	519.82	505.27	14.55	ND	ND	ND	ND	ND	--	--
05/10/88	519.82	505.25	14.57	--	--	--	--	--	--	--
06/10/88	519.82	504.19	15.63	--	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (<i>ft.</i>)	GWE (<i>msl</i>)	DTW (<i>ft.</i>)	TPH-G (<i>ppb</i>)	B (<i>ppb</i>)	T (<i>ppb</i>)	E (<i>ppb</i>)	X (<i>ppb</i>)	MTRE (<i>ppb</i>)	TOG (<i>ppb</i>)
C-12 (cont)										
07/25/88	519.82	505.31	14.51	--	--	--	--	--	--	--
10/13/88	519.82	505.22	14.60	ND	ND	ND	ND	ND	--	--
01/12/89	519.82	505.20	14.62	ND	ND	ND	ND	ND	--	--
04/11/89	519.82	505.21	14.61	ND	ND	ND	ND	ND	--	ND
06/26/89	519.82	505.07	14.75	ND	ND	ND	ND	ND	--	ND
10/13/89	519.82	505.05	14.77	ND	ND	ND	ND	ND	--	ND
01/03/90	519.82	504.97	14.85	ND	ND	ND	ND	ND	--	ND
05/07/90	519.82	505.07	14.75	ND	ND	ND	ND	0.6	--	--
09/27/90	519.82	505.21	14.61	ND	ND	ND	ND	ND	--	--
01/03/91	519.82	505.12	14.70	ND	ND	ND	ND	ND	--	--
04/12/91	519.82	505.30	14.52	--	--	--	--	--	--	--
09/04/91	519.82	504.99	14.83	--	--	--	--	--	--	--
04/06/92	519.82	506.01	13.81	ND	ND	ND	ND	ND	--	--
07/28/92	519.82	505.50	14.32	ND	ND	ND	ND	ND	--	--
10/16/92	519.82	504.70	15.12	ND	ND	ND	ND	ND	--	--
01/14/93	519.82	506.59	13.23	65	ND	ND	ND	1.7	--	--
03/26/93	519.82	507.62	12.20	ND	0.9	ND	ND	ND	--	--
04/22/93	519.82	506.61	13.21	ND	ND	ND	ND	ND	--	--
07/20,21/93	519.82	503.11	16.71	ND	ND	ND	ND	ND	--	--
10/20/93	519.82	505.63	14.19	ND	ND	ND	ND	ND	--	--
01/20/94	519.82	505.77	14.05	ND	ND	ND	ND	ND	--	--
04/21/94	519.82	505.76	14.06	ND	ND	ND	ND	ND	--	--
07/21,22/94	519.82	505.70	14.12	ND	ND	ND	ND	ND	--	--
01/08/99	519.82	506.51	13.31	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0 ²	--
03/23/01	519.82	506.86	12.96	--	--	--	--	--	--	--
09/28/01	519.82	506.10	13.72	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
12/28/01	519.82	506.68	13.14	240	1.3	18	3.4	55	4.5	--
03/29/02	519.82	506.26	13.56	2,100	<0.50	<0.50	<0.50	600	<2.5/<2 ⁴	--
06/13/02	519.82	506.08	13.74	940	<0.50	<0.50	<0.50	19	<2.5	--

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Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
C-13										
03/28/86	522.24	509.29	12.95	--	--	--	--	--	--	--
03/15/88	522.24	507.42	14.82	250	2.0	ND	9.0	3.0	--	--
05/10/88	522.24	507.21	15.03	--	--	--	--	--	--	--
06/10/88	522.24	506.14	16.10	--	--	--	--	--	--	--
07/25/88	522.24	507.51	14.73	--	--	--	--	--	--	--
10/13/88	522.24	507.33	14.91	ND	1.9	ND	ND	ND	--	--
01/01/89	522.24	508.14	14.10	--	--	--	--	--	--	--
01/12/89	522.24	--	--	ND	ND	0.6	4.0	ND	--	--
04/10/89	522.24	507.25	14.99	ND	ND	ND	8.0	ND	--	ND
06/26/89	522.24	507.08	15.16	ND	0.3	ND	ND	ND	--	ND
10/13/89	522.24	507.01	15.23	ND	ND	ND	ND	ND	--	ND
01/03/90	522.24	507.09	15.15	ND	ND	ND	0.5	0.6	--	--
05/08/90	522.24	507.22	15.02	ND	ND	ND	ND	ND	--	--
09/27/90	522.24	507.13	15.11	ND	ND	0.6	ND	ND	--	--
01/03/91	522.24	507.16	15.08	ND	ND	ND	ND	0.6	--	--
04/12/91	522.24	507.47	14.77	--	--	--	--	--	--	--
09/04/91	522.24	506.81	15.43	--	--	--	--	--	--	--
04/06/92	522.24	507.81	14.43	66	ND	ND	ND	ND	--	--
07/28/92	522.24	506.87	15.37	60	8.2	ND	ND	1.1	--	--
10/16/92	522.24	506.37	15.87	ND	ND	ND	ND	ND	--	--
01/14/93	522.24	509.41	12.83	100	ND	ND	ND	1.3	--	--
03/26/93	522.24	509.65	12.59	ND	ND	ND	ND	ND	--	--
04/22/93	522.24	509.08	13.16	ND	ND	ND	ND	ND	--	--
07/20,21/93	522.24	505.72	16.52	99	4.0	13	2.0	7.0	--	--
10/20/93	522.24	507.11	15.13	ND	ND	ND	ND	ND	--	--
01/20/94	522.24	507.59	14.65	ND	ND	ND	ND	ND	--	--
04/21/94	522.24	507.36	14.88	ND	ND	ND	ND	ND	--	--
07/21,22/94	522.24	507.29	14.95	ND	ND	ND	ND	ND	--	--
03/23/01	522.24	508.96	13.28	--	--	--	--	--	--	--
09/28/01	522.24	508.59	13.65	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--

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Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	
C-13 (cont)											
12/28/01	522.24	509.26	12.98	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	
03/29/02	522.24	509.08	13.16	<50	<0.50	<0.50	<0.50	<1.5	8.0/7 ⁴	--	
06/13/02	522.24	508.37	13.87	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	
C-14											
03/28/86	520.08	--	--	--	--	--	--	--	--	--	
03/15/88	520.08	--	--	--	--	--	--	--	--	--	
05/10/88	520.08	506.69	13.39	120,000	13,000	29,000	2,700	18	--	--	
06/10/88	520.08	505.43	14.65	--	--	--	--	--	--	--	
07/25/88	520.08	506.61	13.47	--	--	--	--	--	--	--	
10/13/88	520.08	506.50	13.58	ND	ND	ND	ND	ND	--	--	
01/01/89	520.08	507.08	13.00	--	--	--	--	--	--	--	
01/12/89	520.08	--	--	--	ND	ND	ND	ND	--	--	
04/12/89	520.08	506.61	13.47	--	ND	ND	ND	ND	--	ND	
06/26/89	520.08	506.28	13.80	140,000	14,000	25,000	3,400	26,000	--	--	
10/13/89	520.08	506.46	13.62	86,000	12,000	16,000	1,600	13,000	--	--	
01/03/90	520.08	506.17	13.91	120,000	9,500	16,000	1,800	13,000	--	--	
01/04/90	520.08	506.17	13.91	76,000	3,900	8,100	1,200	7,700	--	--	
05/08/90	520.08	506.19	13.89	62,000	7,500	17,000	1,400	14,000	--	--	
09/27/90	520.08	506.30	13.78	--	--	--	--	--	--	--	
01/03/91	520.08	506.36	13.72	--	--	--	--	--	--	--	
04/12/91	520.08	507.11	12.97	60,000	750	3,800	720	9,200	--	--	
09/04/91	520.08	506.24	13.84	110,000	2,800	11,000	1,300	13,000	--	--	
04/06/92	520.08	507.64	12.44	41,000	190	1,800	440	5,100	--	--	
07/28/92	520.08	506.38	13.70	130,000	2,300	9,700	1,800	15,000	--	--	
10/16/92	520.08	505.70	14.38	--	--	--	--	--	--	--	
01/14/93	520.08	511.28	8.80	27,000	220	790	220	2,700	--	--	
03/26/93	520.08	510.96	9.12	23,000	330	1,600	460	4,000	--	--	
04/22/93 ¹	520.08	507.98	12.10	17,000	840	2,300	130	3,500	--	--	
07/20,21/93	520.08	INACCESSIBLE	--	--	--	--	--	--	--	--	
10/20/93	520.08	505.77	14.31	NOT SAMPLED DUE TO INSUFFICIENT WATER						--	--

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WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)		
C-14 (cont)												
01/20/94	520.08	507.94	12.14	22,000	130	790	270	2,400	--	--		
04/21/94	520.08	508.15	11.93	9,400	88	330	72	960	--	--		
07/21,22/94	520.08	506.94	13.14	6,200	92	180	30	530	--	--		
01/18/95	520.08	DRY	--	--	--	--	--	--	--	--		
04/17/95	520.08	DRY	--	--	--	--	--	--	--	--		
07/18/95	520.08	DRY	--	--	--	--	--	--	--	--		
10/17/95	520.08	507.64	12.44	NOT SAMPLED DUE TO INSUFFICIENT WATER							--	--
01/18/96	520.08	507.84	12.24	NOT SAMPLED DUE TO INSUFFICIENT WATER							--	--
04/17/96	520.08	507.91	12.17	NOT SAMPLED DUE TO INSUFFICIENT WATER							--	--
07/16/96	520.08	508.55	11.53	NOT SAMPLED DUE TO INSUFFICIENT WATER							--	--
10/16/96	520.08	507.98	12.10	NOT SAMPLED DUE TO INSUFFICIENT WATER							--	--
04/10/97	520.08	508.11	11.97	NOT SAMPLED DUE TO INSUFFICIENT WATER							--	--
10/20/97	520.08	507.79	12.29	NOT SAMPLED DUE TO INSUFFICIENT WATER							--	--
10/07/98	520.08	508.27	11.81	NOT SAMPLED DUE TO INSUFFICIENT WATER							--	--
04/14/99	520.08	508.15	11.93	NOT SAMPLED DUE TO INSUFFICIENT WATER							--	--
04/27/99	520.08	508.36	11.72	NOT SAMPLED DUE TO INSUFFICIENT WATER							--	--
01/21/00	520.08	507.85	12.23	NOT SAMPLED DUE TO INSUFFICIENT WATER							--	--
03/23/01	520.08	508.12	11.96	--	--	--	--	--	--	--		
09/28/01	520.08	DRY	--	--	--	--	--	--	--	--		
DESTROYED												
C-15												
03/28/86	522.41	509.27	13.14	--	--	--	--	--	--	--		
03/15/88	522.41	507.28	15.13	ND	ND	ND	ND	ND	--	--		
05/10/88	522.41	507.01	15.40	--	--	--	--	--	--	--		
06/10/88	522.41	505.92	16.49	--	--	--	--	--	--	--		
07/25/88	522.41	507.24	15.17	--	--	--	--	--	--	--		
10/13/88	522.41	507.08	15.33	ND	ND	ND	ND	ND	--	--		
01/01/89	522.41	508.71	13.70	--	--	--	--	--	--	--		
01/12/89	522.41	--	--	ND	ND	ND	ND	ND	--	--		
04/12/89	522.41	507.07	15.34	ND	ND	ND	ND	ND	--	ND		

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C-15 (cont)										
06/26/89	522.41	506.69	15.72	ND	ND	ND	ND	ND	--	ND
10/13/89	522.41	506.45	15.96	ND	ND	ND	ND	ND	--	ND
01/03/90	522.41	506.99	15.42	ND	ND	ND	ND	ND	--	--
05/08/90	522.41	506.79	15.62	ND	ND	ND	ND	ND	--	--
09/27/90	522.41	506.82	15.59	ND	ND	ND	ND	ND	--	--
01/03/91	522.41	506.91	15.50	ND	ND	ND	ND	0.6	--	--
04/12/91	522.41	507.20	15.21	--	--	--	--	--	--	--
09/04/91	522.41	506.51	15.90	--	--	--	--	--	--	--
04/06/92	522.41	507.53	14.88	ND	ND	ND	ND	ND	--	--
07/28/92	522.41	506.59	15.82	ND	ND	ND	ND	ND	--	--
10/16/92	522.41	506.16	16.25	ND	ND	ND	ND	ND	--	--
01/14/93	522.41	509.93	12.48	61	ND	1.9	0.8	5.1	--	--
03/26/93	522.41	509.74	12.67	ND	ND	ND	ND	1.0	--	--
04/22/93	522.41	508.81	13.60	ND	ND	ND	ND	ND	--	--
07/20,21/93	522.41	505.54	16.87	ND	ND	ND	ND	ND	--	--
10/20/93	522.41	507.17	15.24	ND	ND	ND	ND	ND	--	--
01/20/94	522.41	507.40	15.01	ND	ND	ND	ND	ND	--	--
04/21/94	522.41	507.19	15.22	ND	ND	ND	ND	ND	--	--
07/21,22/94	522.41	507.06	15.35	ND	ND	ND	ND	ND	--	--
DESTROYED										
C-16										
03/28/86	519.68	--	--	--	--	--	--	--	--	--
03/15/88	519.68	--	--	--	--	--	--	--	--	--
05/10/88	519.68	505.90	13.78	4,500	1,000	73	140	180	--	--
06/10/88	519.68	504.80	14.88	--	--	--	--	--	--	--
07/25/88	519.68	505.99	13.69	--	--	--	--	--	--	--
10/13/88	519.68	505.88	13.80	1,600	16	5.5	ND	16	--	--
01/01/89	519.68	506.23	13.45	--	--	--	--	--	--	--
01/12/89	519.68	--	--	1,000	360	11	78	51	--	--
04/11/89	519.68	505.90	13.78	15,800	130	4.0	21	19	--	ND

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C-16 (cont)										
06/26/89	519.68	505.66	14.02	1,300	170	8.0	37	43	--	ND
10/13/89	519.68	505.67	14.01	1,000	20	ND	7.0	ND	--	ND
01/03/90	519.68	505.71	13.97	1,300	150	3.0	41	24	--	--
05/07/90	519.68	505.23	14.45	480	49	4.4	29	13	--	--
09/29/90	519.68	505.36	14.32	360	18	2.1	11	8.0	--	--
01/03/91	519.68	505.72	13.96	230	12	ND	6.0	6.0	--	--
04/12/91	519.68	505.94	13.74	--	--	--	--	--	--	--
09/04/91	519.68	505.46	14.22	--	--	--	--	--	--	--
04/06/92	519.68	506.50	13.18	360	30	ND	14	12	--	--
07/28/92	519.68	505.75	13.93	210	31	ND	6.8	16	--	--
10/16/92	519.68	504.76	14.92	140	11	ND	5.1	3.4	--	--
01/14/93	519.68	507.87	11.81	740	24	ND	36	21	--	--
03/26/93	519.68	508.32	11.36	730	22	2.0	16	10	--	--
04/22/93	519.68	507.38	12.30	850	46	ND	24	6.0	--	--
07/20,21/93	519.68	INACCESSIBLE	--	--	--	--	--	--	--	--
10/20/93	519.68	505.68	14.00	290	18	2.0	16	17	--	--
01/20/94	519.68	506.20	13.48	360	10	1.0	12	9.0	--	--
04/21/94	519.68	505.76	13.92	220	15	ND	13	11	--	--
07/21,22/94	519.68	506.12	13.56	72	1.2	ND	ND	1.0	--	--
01/18/95	519.68	INACCESSIBLE	--	--	--	--	--	--	--	--
04/17/95	519.68	INACCESSIBLE	--	--	--	--	--	--	--	--
07/18/95	519.68	INACCESSIBLE	--	--	--	--	--	--	--	--
10/17/95	519.68	INACCESSIBLE	--	--	--	--	--	--	--	--
01/18/96	519.68	INACCESSIBLE	--	--	--	--	--	--	--	--
04/17/96	519.68	INACCESSIBLE	--	--	--	--	--	--	--	--
07/16/96	519.68	INACCESSIBLE	--	--	--	--	--	--	--	--
10/16/96	519.68	INACCESSIBLE	--	--	--	--	--	--	--	--
03/23/01	519.68	UNABLE TO LOCATE	--	--	--	--	--	--	--	--

NOT MONITORED/SAMPLED - UNABLE TO LOCATE

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
C-17										
03/28/86	520.82	507.34	13.48	--	--	--	--	--	--	--
03/15/88	520.82	506.06	14.76	--	--	--	--	--	--	--
05/10/88	520.82	506.05	14.77	--	--	--	--	--	--	--
06/10/88	520.82	504.98	15.84	--	--	--	--	--	--	--
07/25/88	520.82	506.19	14.63	--	--	--	--	--	--	--
10/13/88	520.82	505.99	14.83	270,000	18	900	760	5,500	--	--
01/01/89	520.82	506.04	14.78	--	--	--	--	--	--	--
01/12/89	520.82	--	--	190,000	ND	490	2,100	6,700	--	--
04/11/89	520.82	505.99	14.83	27,000	30	150	320	1,000	--	6.0
06/26/89	520.82	505.79	15.03	20,000	50	390	660	2,000	--	ND
06/26/89	520.82	505.79	15.03	27,000	40	420	740	2,200	--	--
10/13/89	520.82	505.80	15.02	17,000	ND	48	230	480	--	ND
01/03/90	520.82	505.72	15.10	14,000	ND	29	120	210	--	--
05/08/90	520.82	505.70	15.12	9,500	25	130	210	470	--	--
09/29/90	520.82	505.83	14.99	ND	ND	ND	ND	ND	--	--
09/29/90	520.82	505.83	14.99	ND	ND	3.4	ND	ND	--	--
01/03/91	520.82	505.90	14.92	3,700	ND	28	56	140	--	--
01/03/91	520.82	505.90	14.92	8,600	ND	10	59	150	--	--
04/12/91	520.82	506.11	14.71	8,600	ND	5.0	47	120	--	--
04/12/91	520.82	506.11	14.71	4,400	ND	11	48	120	--	--
09/04/91	520.82	505.65	15.17	5,800	ND	27	49	79	--	--
09/04/91	520.82	505.65	15.17	4,100	ND	21	36	61	--	--
04/06/92	520.82	506.68	14.14	2,300	ND	5.8	27	29	--	--
07/28/92	520.82	505.64	15.18	11,000	99	180	170	430	--	--
10/16/92	520.82	505.06	15.76	1,200,000	ND	4,800	3,900	6,600	--	--
01/14/93	520.82	507.38	13.44	3,500	9.3	9.1	23	34	--	--
03/26/93	520.82	508.36	12.46	3,700	ND	19	20	35	--	--
04/22/93	520.82	507.52	13.30	8,900	16	68	44	97	--	--
07/20,21/93	520.82	503.61	17.21	4,200	5.0	35	33	62	--	--
10/20/93	520.82	505.73	15.09	4,500	5.0	12	43	64	--	--
01/20/94	520.82	506.35	14.47	1,900	4.0	42	24	73	--	--
04/21/94	520.82	505.87	14.95	1,100	5.0	20	23	42	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (%)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
C-17 (cont)										
07/21,22/94	520.82	506.22	14.60	72	ND	ND	ND	0.9	--	--
01/18/95	520.82	507.12	13.70	530	1.7	<0.5	5.6	8.8	--	--
04/17/95	520.82	507.57	13.25	440	1.9	3.0	3.6	2.4	--	--
07/18/95	520.82	507.38	13.44	140	5.5	<0.5	<0.5	<0.5	--	--
10/17/95	520.82	507.32	13.50	110	<0.5	<0.5	<0.5	0.62	<2.5	--
01/18/96	520.82	507.80	13.02	310	19	30	5.6	40	28	--
04/17/96	520.53	507.83	12.70	<50	<0.5	<0.5	<0.5	<0.5	7.2	--
07/16/96	520.53	507.86	12.67	54	1.7	1.0	0.97	3.3	34	--
10/16/96	520.53	506.83	13.70	200	0.50	0.57	<0.5	2.2	15	--
04/10/97	520.53	507.34	13.19	100	<0.5	<0.5	<0.5	<0.5	66	--
10/20/97	520.53	507.18	13.35	64	<0.5	<0.5	<0.5	<0.5	22	--
04/30/98	520.53	507.83	12.70	<50	<0.5	<0.5	<0.5	<0.5	47	--
10/07/98	520.53	507.60	12.93	56	0.81	<0.5	<0.5	<0.5	72	--
04/14/99	520.53	507.48	13.05	<50	<0.5	0.549	<0.5	<0.5	82	--
01/21/00	520.53	507.25	13.28	<50	<0.5	<0.5	<0.5	<0.5	29.9	--
03/23/01	520.53	507.14	13.39	<50.0	<0.500	<0.500	<0.500	<0.500	9.40/8.9 ⁴	--
09/28/01	520.53	506.84	13.69	83	<0.50	<0.50	<0.50	<1.5	27	--
DESTROYED										
C-18										
03/28/86	518.96	--	--	--	--	--	--	--	--	--
03/15/88	518.96	--	--	--	--	--	--	--	--	--
05/10/88	518.96	--	--	--	--	--	--	--	--	--
06/10/88	518.96	504.07	14.89	--	--	--	--	--	--	--
07/25/88	518.96	505.17	13.79	--	--	--	--	--	--	--
10/13/88	518.96	505.10	13.86	ND	ND	ND	ND	ND	--	--
01/01/89	518.96	505.02	13.94	--	--	--	--	--	--	--
01/12/89	518.96	--	--	ND	ND	ND	ND	ND	--	--
04/11/89	518.96	504.10	14.86	ND	ND	ND	ND	ND	--	ND
06/26/89	518.96	504.94	14.02	ND	ND	ND	ND	ND	--	ND
10/13/89	518.96	503.90	15.06	ND	ND	ND	ND	ND	--	ND

Table 1
Groundwater Monitoring Data and Analytical Results
 Chevron Service Station #9-1924
 4904 Southfront Road
 Livermore, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
C-18 (cont)										
01/03/90	518.96	504.89	14.07	ND	ND	ND	ND	ND	--	--
05/07/90	518.96	504.95	14.01	ND	ND	ND	ND	ND	--	--
09/27/90	518.96	505.05	13.91	ND	ND	ND	ND	ND	--	--
01/03/91	518.96	504.98	13.98	ND	ND	ND	ND	ND	--	--
04/12/91	518.96	505.13	13.83	ND	ND	ND	ND	ND	--	--
09/04/91	518.96	504.76	14.20	ND	ND	ND	ND	ND	--	--
04/06/92	518.96	505.89	13.07	ND	ND	ND	ND	ND	--	--
07/28/92	518.96	505.41	13.55	ND	ND	ND	ND	ND	--	--
10/16/92	518.96	504.58	14.38	ND	ND	ND	ND	ND	--	--
01/14/93	518.96	506.50	12.46	56	ND	ND	ND	1.8	--	--
03/26/93	518.96	507.50	11.46	ND	ND	ND	ND	ND	--	--
04/22/93	518.96	506.38	12.58	ND	ND	ND	ND	ND	--	--
07/20,21/93	518.96	503.32	15.64	92	ND	0.5	ND	ND	--	--
10/20/93	518.96	--	--	--	--	--	--	--	--	--
01/20/94	518.96	--	--	--	--	--	--	--	--	--
04/21/94	518.96	--	--	--	--	--	--	--	--	--
07/16/96	518.96	--	--	--	--	--	--	--	--	--
03/23/01	518.96	UNABLE TO LOCATE		--	--	--	--	--	--	--
NOT MONITORED/SAMPLED										
C-19										
03/28/86	520.99	--	--	--	--	--	--	--	--	--
03/15/88	520.99	--	--	--	--	--	--	--	--	--
05/10/88	520.99	505.76	15.23	18	1,400	360	350	1,300	--	--
06/10/88	520.99	504.41	16.58	--	--	--	--	--	--	--
07/25/88	520.99	505.80	15.19	--	--	--	--	--	--	--
10/13/88	520.99	505.72	15.27	ND	8.3	4.7	4.4	ND	--	--
01/01/89	520.99	505.79	15.20	--	--	--	--	--	--	--
01/12/89	520.99	--	--	ND	5.0	4.0	ND	ND	--	--
04/11/89	520.99	505.75	15.24	ND	1.8	ND	ND	ND	--	ND
04/11/89	520.99	505.75	15.24	500	1.2	ND	0.6	0.6	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
C-19 (cont)										
06/26/89	520.99	505.55	15.44	500	2.5	ND	ND	ND	--	ND
10/13/89	520.99	505.52	15.47	540	ND	ND	ND	ND	13	ND
01/03/90	520.99	505.54	15.45	ND	1.2	0.7	1.3	0.9	--	--
05/07/90	520.99	505.31	15.68	ND	ND	ND	ND	ND	--	--
09/28/90	520.99	505.47	15.52	ND	ND	ND	ND	ND	--	--
01/03/91	520.99	505.43	15.56	66	ND	ND	ND	ND	--	--
04/12/91	520.99	505.79	15.20	--	--	--	--	--	--	--
09/04/91	520.99	505.39	15.60	--	--	--	--	--	--	--
04/06/92	520.99	506.41	14.58	110	0.7	ND	1.0	ND	--	--
07/28/92	520.99	505.73	15.26	ND	1.4	ND	1.0	4.2	--	--
10/16/92	520.99	504.99	16.00	ND	ND	ND	ND	ND	--	--
01/14/93	520.99	507.30	13.69	100	1.1	ND	0.9	0.9	--	--
03/26/93	520.99	508.03	12.96	80	ND	ND	ND	ND	--	--
04/22/93	520.99	506.81	14.18	250	0.6	1.0	1.0	1.0	--	--
07/20,21/93	520.99	504.41	16.58	390	ND	ND	0.8	2.0	--	--
10/20/93	520.99	505.76	15.23	ND	ND	ND	ND	ND	--	--
01/20/94	520.99	506.15	14.84	ND	ND	ND	ND	ND	--	--
04/21/94	520.99	505.73	15.26	60	ND	ND	1.0	ND	--	--
07/21,22/94	520.99	506.09	14.90	ND	ND	ND	ND	ND	--	--
01/18/95	520.99	506.97	14.02	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/17/95	520.99	507.19	13.80	SAMPLED SEMI-ANNUALLY		--	--	--	--	--
07/18/95	520.99	507.27	13.72	150	<0.5	<0.5	<0.5	<0.5	--	--
10/17/95	520.99	506.89	14.10	--	--	--	--	--	--	--
01/18/96	520.99	507.18	13.81	76	<0.5	<0.5	<0.5	<0.5	120	--
04/17/96	520.96	507.56	13.40	--	--	--	--	--	--	--
07/16/96	520.96	507.49	13.47	530	<2.5	<2.5	<2.5	<2.5	1,200	--
10/16/96	520.96	507.13	13.83	--	--	--	--	--	--	--
04/10/97	520.96	507.06	13.90	<500	<5.0	<5.0	<5.0	<5.0	1,600	--
10/20/97	520.96	506.94	14.02	SAMPLED ANNUALLY		--	--	--	--	--
04/30/98	520.96	507.49	13.47	<500	<5.0	<5.0	<5.0	<5.0	1,100	--
10/07/98	520.96	507.87	13.09	--	--	--	--	--	--	--
04/14/99	520.96	INACCESSIBLE	--	--	--	--	--	--	--	--

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Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
C-19 (cont)										
04/27/99	520.96	507.17	13.79	124	<0.5	<0.5	<0.5	<0.5	434	--
01/21/00	520.96	507.01	13.95	109	<0.5	<0.5	<0.5	<0.5	239	--
03/23/01	520.96	506.98	13.98	--	--	--	--	--	--	--
09/28/01	520.96	506.70	14.26	--	--	--	--	--	--	--
DESTROYED										
C-20										
10/12/95	520.67	507.17	13.50	--	--	--	--	--	--	--
05/16/96	520.67	507.89	12.78	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/16/96	520.67	507.74	12.93	<50	2.5	1.5	0.82	2.4	4.1	--
10/16/96	520.67	507.43	13.24	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/10/97	520.67	507.35	13.32	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/20/97	520.67	507.21	13.46	SAMPLED ANNUALLY			--	--	--	--
04/30/98	520.67	507.82	12.85	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/07/98	520.67	507.99	12.68	--	--	--	--	--	--	--
04/14/99	520.67	507.37	13.30	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
01/21/00	520.67	507.21	13.46	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/23/01	520.67	507.11	13.56	--	--	--	--	--	--	--
09/28/01	520.67	506.83	13.84	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
12/28/01	520.67	507.50	13.17	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/29/02	520.67	507.06	13.61	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ⁴	--
06/13/02	520.67	506.85	13.82	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
C-21										
10/12/95	519.64	507.49	12.15	--	--	--	--	--	--	--
05/16/96	519.64	508.36	11.28	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/16/96	519.64	508.24	11.40	<50	0.93	1.1	0.81	2.3	2.5	--
10/16/96	519.64	508.17	11.47	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/23/01	519.64	UNABLE TO LOCATE - PAVED OVER			--	--	--	--	--	--
09/28/01	519.64	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--

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Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
C-21 (cont)										
12/28/01	519.64	UNABLE TO LOCATE		--	--	--	--	--	--	--
03/29/02	519.64	506.89	12.75	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ⁴	--
06/13/02	519.64	506.64	13.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
RW-1										
09/28/01	--	UNABLE TO LOCATE		--	--	--	--	--	--	--
12/28/01	--	UNABLE TO LOCATE		--	--	--	--	--	--	--
03/29/02	--	UNABLE TO LOCATE		--	--	--	--	--	--	--
ASSUMED DESTROYED (Per Lead Consultant 11/30/01)										
TRIP BLANK										
01/18/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/17/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/18/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/17/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/18/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/17/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/16/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/16/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/10/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/20/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/30/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/07/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/08/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/14/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
04/27/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
01/21/00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/23/01	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	--
09/28/01	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--

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4904 Southfront Road
Livermore, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
QA										
12/28/01	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/29/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/13/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--

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Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to March 23, 2001, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing

(ft.) = Feet

GWE = Groundwater Elevation

(msl) = Mean sea level

DTW = Depth to Water

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

TOG = Total Oil and Grease

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

ND = Not Detected

QA = Quality Assurance

- 1 Sheen.
- 2 Confirmation run.
- 3 Well head elevation altered due to casing repairs.
- 4 MTBE by EPA Method 8260.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Chevron Service Station #9-1924
4904 Southfront Street
Livermore, California

WELL ID/ DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
C-2 04/14/99 DESTROYED	<3,000	<200	5.35	<2.0	<2.0	<2.0
C-5 04/14/99	<9,990	<666	619	<6.66	<6.66	27.3
C-6 04/14/99 DESTROYED	<3,000	<200	138	<2.0	<2.0	10.7
C-7 03/23/01 03/29/02	-- --	<50 <100	38 12	<2.0 <2	<2.0 <2	<2.0 <2
C-9 04/14/99 03/23/01 03/29/02	<3,750 -- --	<250 <50 <100	114 22 16	<2.5 <2.0 <2	<2.5 <2.0 <2	<2.5 <2.0 <2
C-11 04/14/99 03/23/01 03/29/02	<30,000 -- --	<2,000 <50 <100	1,390 110 3	<20 <2.0 <2	<20 <2.0 <2	<20 <2.0 <2
C-12 03/29/02	--	<100	<2	<2	<2	<2

Table 2
Groundwater Analytical Results - Oxygenate Compounds
 Chevron Service Station #9-1924
 4904 Southfront Street
 Livermore, California

WELL ID/ DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
C-13						
03/29/02	--	<100	7	<2	<2	<2
C-17						
04/14/99	<3,000	<200	83.1	<2.0	<2.0	<2.0
03/23/01	--	<50	8.9	<2.0	<2.0	<2.0
C-20						
04/14/99	<3,000	<200	<2.0	<2.0	<2.0	<2.0
03/29/02	--	<100	<2	<2	<2	<2
C-21						
03/29/02	--	<100	<2	<2	<2	<2

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Chevron Service Station #9-1924
4904 Southfront Street
Livermore, California

EXPLANATIONS:

Groundwater laboratory analytical results prior to March 23, 2001, were compiled from reports prepared by Blaine Tech Services, Inc.

TBA = Tertiary butyl alcohol

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary butyl ether

TAME = Tertiary amyl methyl ether

(ppb) = Parts per billion

-- = Not Analyzed

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

Table 3
Groundwater Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	1,2-DCA (ppb)	VC (ppb)	MC (ppb)	1,1,1-TCA (ppb)	1,1-DCA (ppb)	PCE (ppb)	T. Lead (ppb)	D. Lead (ppb)	CDS (ppb)
------------------	------------------	-------------	-------------	--------------------	------------------	--------------	------------------	------------------	--------------

C-1

04/10/89	ND	--	--	--	--	--	--	--	--
04/10/89	ND	--	--	--	--	--	--	--	--
06/26/89	3.0	--	--	--	--	--	--	--	--
06/26/89	1.7	--	--	--	--	--	--	--	--
10/13/89	ND	--	--	--	--	--	--	--	5.0
01/03/90	1.0	--	--	--	--	--	--	--	--
05/08/90	1.2	--	ND	--	ND	--	--	--	--
09/29/90	ND	--	0.7	1.4	ND	--	--	--	--
01/03/91	ND	--	ND	ND	ND	ND	--	--	--
04/06/92	ND	--	ND	ND	ND	ND	--	--	--
04/23/93 ¹									
07/21,22/94	--	--	--	--	--	--	ND	--	--

NOT MONITORED/SAMPLED - UNABLE TO LOCATE
ASSUMED DESTROYED (Per Lead Consultant 11/30/01)

C-2

04/10/89	ND	--	--	--	--	--	--	--	--
04/10/89	ND	--	--	--	--	--	--	--	--
06/26/89	ND	--	--	--	--	--	--	--	--
06/26/89	2.0	--	--	--	--	--	--	--	--
10/13/89	ND	--	--	--	--	--	--	--	--
01/03/90	1.0	--	--	--	--	--	--	--	--
05/08/90	1.1	--	ND	--	ND	--	--	--	--
09/29/90	ND	--	1.7	0.5	ND	--	--	--	--
01/03/91	ND	--	ND	ND	ND	ND	--	--	--
04/06/92	ND	--	ND	ND	ND	ND	--	--	--
07/21,22/94	--	--	--	--	--	--	ND	--	--

C-3

04/10/89	1.4	--	--	--	--	--	--	--	--
06/26/89	1.5	--	--	--	--	--	--	--	--
10/13/89	ND	--	--	--	--	--	--	--	--
01/03/90	0.7	--	--	--	--	--	--	--	--
05/08/90	0.7	--	ND	--	ND	--	--	--	--
09/27/90	ND	--	1.1	1.6	ND	--	--	--	--
01/03/91	ND	--	ND	ND	ND	ND	--	--	--
04/12/91	ND	--	ND	ND	ND	ND	--	--	--
09/04/91	ND	--	ND	ND	ND	ND	--	--	--
04/06/92	ND	--	ND	ND	ND	ND	--	--	--
07/21,22/94	--	--	--	--	--	--	ND	--	--

DESTROYED

Table 3
Groundwater Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	1,2-DCA (ppb)	VC (ppb)	MC (ppb)	1,1,1-TCA (ppb)	1,1-DCA (ppb)	PCE (ppb)	T. Lead (ppb)	D. Lead (ppb)	CDS (ppb)
C-5									
04/10/89	1.4	--	--	--	--	--	--	--	--
06/26/89	1.5	--	--	--	--	--	--	--	--
10/13/89	ND	--	--	--	--	--	--	--	--
01/03/90	ND	--	--	--	--	--	--	--	--
05/08/90	0.8	--	ND	--	ND	--	--	--	--
09/27/90	ND	--	0.7	ND	ND	--	--	--	--
01/03/91	ND	--	ND	ND	ND	ND	--	--	--
04/12/91	0.5	--	ND	ND	ND	ND	--	--	--
09/04/91	ND	--	ND	ND	ND	ND	--	--	--
04/06/92	ND	--	ND	ND	ND	ND	--	--	--
07/21,22/94	--	--	--	--	--	--	ND	--	--
DESTROYED									
C-6									
04/12/89	ND	--	--	--	--	--	--	--	--
06/26/89	ND	--	--	--	--	--	--	--	--
10/13/89	ND	--	--	--	--	--	--	--	--
01/03/90	1.0	--	--	--	--	--	--	--	--
05/08/90	1.6	--	ND	--	ND	--	--	--	--
09/29/90	1.0	--	ND	2.4	1.6	--	--	--	--
01/03/91	0.5	--	ND	ND	ND	ND	--	--	--
04/06/92	ND	--	ND	ND	ND	ND	--	--	--
07/28/92	--	--	--	--	--	--	--	--	--
07/21,22/94	--	--	--	--	--	--	ND	--	--
10/20/97	--	--	--	--	--	--	--	<5.0	--
DESTROYED									
C-7									
04/12/89	ND	--	--	--	--	--	--	--	--
06/26/89	ND	--	--	--	--	--	--	--	--
10/13/89	ND	--	--	--	--	--	--	--	--
01/03/90	1.0	--	--	--	--	--	--	--	--
05/08/90	1.7	--	ND	--	ND	--	--	--	--
09/29/90	0.7	--	ND	ND	ND	ND	--	--	--
01/03/91	0.7	--	ND	ND	ND	ND	--	--	--
04/12/91	0.6	--	ND	ND	ND	ND	--	--	--
10/07/91	ND	--	24	ND	ND	ND	--	--	--
04/06/92	ND	--	ND	ND	ND	ND	--	--	--
07/20-21/93 ¹	--	--	--	--	--	--	--	--	--
01/20/94 ¹	--	--	--	--	--	--	--	--	--
07/21,22/94	--	--	--	--	--	--	ND	--	--

Table 3
Groundwater Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	1,2-DCA (ppb)	VC (ppb)	MC (ppb)	1,1,1-TCA (ppb)	1,1-DCA (ppb)	PCE (ppb)	T. Lead (ppb)	D. Lead (ppb)	CDS (ppb)
C-8									
04/12/89	5.0	--	--	--	--	--	--	--	--
06/26/89	4.0	--	--	--	--	--	--	--	--
10/13/89	ND	--	--	--	--	--	--	--	--
01/03/90	1.5	--	--	--	--	--	--	--	--
05/07/90	1.9	--	ND	--	ND	--	--	--	--
09/29/90	ND	--	0.6	ND	ND	--	--	--	--
01/03/91	ND	--	0.7	ND	ND	ND	--	--	--
04/12/91	0.6	--	ND	ND	ND	ND	--	--	--
09/04/91	ND	--	ND	ND	ND	ND	--	--	--
04/06/92	ND	--	ND	ND	ND	ND	--	--	--
07/21,22/94	--	--	--	--	--	--	ND	--	--
DESTROYED									
C-9									
04/12/89	2.1	--	--	--	--	--	--	--	--
04/11/89	ND	--	--	--	--	--	--	--	--
06/26/89	ND	--	--	--	--	--	--	--	--
10/13/89	ND	--	--	--	--	--	--	--	--
01/03/90	1.5	--	--	--	--	--	--	--	--
05/07/90	1.9	--	ND	--	ND	--	--	--	--
09/29/90	1.0	--	0.7	1.8	1.0	--	--	--	--
01/03/91	0.8	--	ND	ND	ND	ND	--	--	--
04/06/92	ND	--	ND	ND	ND	ND	--	--	--
07/21,22/94	--	--	--	--	--	--	13	--	--
04/10/97	<0.5	<1.0	<5.0	<0.5	<0.5	<0.5	--	--	--
10/20/97	--	--	--	--	--	--	--	<5.0	--
04/30/98	<0.5	<1.0	<5.0	<0.5	<0.5	<0.5	--	--	--
04/14/99 ¹	<0.5	<1.0	<5.0	<0.5	<0.5	<0.5	--	--	--
01/21/00	<0.5	<1.0	<5.0	<0.5	<0.5	<0.5	--	--	--
09/28/01 ²	<2	<1	<2	<1	<1	<1	--	--	--
12/28/01 ²	<2	<1	<2	<1	<1	<1	--	--	--
03/29/02 ²	<2	<1	<2	<1	<1	<1	--	--	--
06/13/02 ²	<2	<1	<2	<1	<1	<1	--	--	--
C-10									
04/11/89	6.1	--	--	--	--	--	--	--	--
06/26/89	ND	--	--	--	--	--	--	--	--
10/13/89	ND	--	--	--	--	--	--	--	--
01/03/90	3.0	--	--	--	--	--	--	--	--
05/07/90	ND	--	ND	--	ND	--	--	--	--
09/27/90	ND	--	1.2	ND	ND	--	--	--	--
01/03/91	ND	--	ND	ND	ND	ND	--	--	--
04/12/91	1.0	--	ND	ND	ND	ND	--	--	--

Table 3
Groundwater Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	1,2-DCA (ppb)	VC (ppb)	MC (ppb)	1,1,1-TCA (ppb)	1,1-DCA (ppb)	PCE (ppb)	T. Lead (ppb)	D. Lead (ppb)	CDS (ppb)
C-10 (cont)									
09/04/91	ND	--	ND	ND	ND	ND	--	--	--
04/06/92	1.1	--	ND	ND	ND	ND	--	--	--
07/21,22/94	--	--	--	--	--	--	ND	--	--
DESTROYED									
C-11									
04/12/89	ND	--	--	--	--	--	--	--	--
06/26/89	ND	--	--	--	--	--	--	--	--
10/13/89	ND	--	--	--	--	--	--	--	--
01/03/90	ND	--	--	--	--	--	--	--	--
05/08/90	ND	--	ND	--	ND	--	--	--	--
09/28/90	ND	--	1.2	ND	ND	--	--	--	--
01/03/91	ND	--	ND	ND	ND	1.0	--	--	--
04/06/92	ND	--	ND	ND	ND	ND	--	--	--
07/21,22/94	--	--	--	--	--	--	7.0	--	--
10/20/97	--	--	--	--	--	--	--	25	--
C-12									
04/11/89	ND	--	--	--	--	--	--	--	--
06/26/89	ND	--	--	--	--	--	--	--	--
10/13/89	ND	--	--	--	--	--	--	--	--
01/03/90	ND	--	--	--	--	--	--	--	--
05/07/90	ND	--	ND	--	ND	--	--	--	--
09/27/90	ND	--	1.2	ND	ND	--	--	--	--
01/03/91	ND	--	ND	ND	ND	ND	--	--	--
04/06/92	ND	--	ND	ND	ND	ND	--	--	--
07/28/92	--	--	--	--	--	--	--	--	--
07/21,22/94	--	--	--	--	--	--	ND	--	--
C-13									
04/10/89	ND	--	--	--	--	--	--	--	--
06/26/89	ND	--	--	--	--	--	--	--	--
10/13/89	ND	--	--	--	--	--	--	--	--
01/03/90	ND	--	--	--	--	--	--	--	--
05/08/90	ND	--	ND	--	ND	--	--	--	--
09/27/90	ND	--	1.7	ND	ND	--	--	--	--
01/03/91	ND	--	ND	ND	ND	ND	--	--	--
04/06/92	ND	--	ND	ND	ND	ND	--	--	--
07/21,22/94	--	--	--	--	--	--	ND	--	--

Table 3
Groundwater Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	1,2-DCA (ppb)	VC (ppb)	MC (ppb)	1,1,1-TCA (ppb)	1,1-DCA (ppb)	PCE (ppb)	T. Lead (ppb)	D. Lead (ppb)	CDS (ppb)
C-14									
04/12/89	ND	--	--	--	--	--	--	--	--
06/26/89	30	--	--	--	--	--	--	--	--
01/03/90	25	3.0	--	--	--	--	--	--	--
01/04/90	18	1.0	--	--	--	--	--	--	--
05/08/90	13	--	ND	--	ND	--	--	--	--
04/12/91	ND	--	ND	ND	ND	ND	--	--	--
04/06/92	ND	--	ND	ND	ND	ND	--	--	--
04/22/93 ¹	--	--	--	--	--	--	--	--	--
07/21,22/94	--	--	--	--	--	--	330	--	--
DESTROYED									
C-15									
04/12/89	ND	--	--	--	--	--	--	--	--
06/26/89	ND	--	--	--	--	--	--	--	--
10/13/89	ND	--	--	--	--	--	--	--	--
01/03/90	ND	--	--	--	--	--	--	--	--
05/08/90	ND	--	ND	--	ND	--	--	--	--
09/27/90	ND	--	2.9	ND	ND	--	--	--	--
01/03/91	ND	--	ND	ND	ND	ND	--	--	--
04/06/92	ND	--	ND	ND	ND	ND	--	--	--
07/21,22/94	--	--	--	--	--	--	ND	--	--
DESTROYED									
C-16									
04/11/89	8.0	--	--	--	--	--	--	--	--
06/26/89	ND	--	--	--	--	--	--	--	--
10/13/89	ND	--	--	--	--	--	--	--	--
01/03/90	5.0	--	--	--	--	--	--	--	--
05/07/90	4.5	--	ND	--	ND	--	--	--	--
09/29/90	1.8	--	ND	ND	ND	--	--	--	--
01/03/91	2.0	--	0.8	ND	ND	ND	--	--	--
04/06/92	1.0	--	ND	ND	ND	ND	--	--	--
07/28/92	--	--	--	--	--	--	--	--	--
07/21,22/94	--	--	--	--	--	--	8.0	--	--
NOT MONITORED/SAMPLED - UNABLE TO LOCATE									
C-17									
04/11/89	ND	--	--	--	--	--	--	--	--
06/26/89	ND	--	--	--	--	--	--	--	--
06/26/89	ND	--	--	--	--	--	--	--	--
10/13/89	ND	--	--	--	--	--	--	--	--
01/03/90	ND	--	--	--	--	--	--	--	--
05/08/90	ND	--	ND	--	ND	--	--	--	--

Table 3
Groundwater Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

WELL ID/ DATE	1,2-DCA (ppb)	VC (ppb)	MC (ppb)	1,1,1-TCA (ppb)	1,1-DCA (ppb)	PCE (ppb)	T. Lead (ppb)	D. Lead (ppb)	CDS (ppb)
C-17 (cont)									
09/29/90	ND	--	ND	1.9	ND	--	--	--	--
09/29/90	ND	--	1.8	1.9	ND	--	--	--	--
01/03/91	ND	--	1.8	1.9	ND	ND	--	--	--
01/03/91	ND	--	ND	ND	ND	ND	--	--	--
04/12/91	ND	--	ND	ND	ND	ND	--	--	--
04/12/91	ND	--	ND	ND	ND	ND	--	--	--
09/04/91	ND	--	ND	ND	ND	ND	--	--	--
09/04/91	ND	--	ND	ND	ND	ND	--	--	--
04/06/92	ND	--	ND	ND	ND	ND	--	--	--
07/21,22/94	--	--	--	--	--	--	ND	--	--
10/20/97	--	--	--	--	--	--	--	<5.0	--
04/30/98	--	--	--	--	--	--	--	--	--
10/07/98	--	--	--	--	--	--	--	--	--
04/14/99	--	--	--	--	--	--	--	--	--
01/21/00	--	--	--	--	--	--	--	--	--
DESTROYED									
C-18									
04/11/89	3.6	--	--	--	--	--	--	--	--
06/26/89	3.1	--	--	--	--	--	--	--	--
10/13/89	ND	--	--	--	--	--	--	--	--
01/03/90	1.0	--	--	--	--	--	--	--	--
05/07/90	ND	--	ND	--	ND	--	--	--	--
09/27/90	ND	--	0.6	ND	ND	--	--	--	--
01/03/91	ND	--	ND	ND	ND	ND	--	--	--
04/12/91	ND	--	ND	ND	ND	ND	--	--	--
09/04/91	ND	--	ND	ND	ND	ND	--	--	--
04/06/92	ND	--	ND	ND	ND	ND	--	--	--
NOT MONITORED/SAMPLED									
C-19									
04/11/89	13	--	--	--	--	--	--	--	--
04/11/89	14	--	--	--	--	--	--	--	--
06/26/89	26	--	--	--	--	--	--	--	--
10/13/89	13	--	--	--	--	--	--	--	13
01/03/90	11	--	--	--	--	--	--	--	--
05/07/90	4.6	--	ND	--	ND	--	--	--	--
09/28/90	ND	--	1.2	ND	ND	--	--	--	--
01/03/91	1.0	--	ND	ND	ND	0.9	--	--	--
04/06/92	1.9	--	ND	ND	ND	ND	--	--	--
07/21,22/94	--	--	--	--	--	--	ND	--	--
DESTROYED									

Table 3
Groundwater Analytical Results
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

EXPLANATIONS:

Groundwater laboratory analytical results prior to September 28, 2001, were compiled from reports prepared by Blaine Tech Services, Inc.

1,2-DCA = 1,2-Dichloroethane

VC = Vinyl Chloride

MC = Methylene Chloride

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

1,1-DCA = 1,1-Dichloroethane

PCE = Tetrachloroethene

T. Lead = Total Lead

D. Lead = Dissolved Lead

CDS = Carbon Disulfide

(ppb) = Parts per billion

ND = Not detected

-- = Not Analyzed

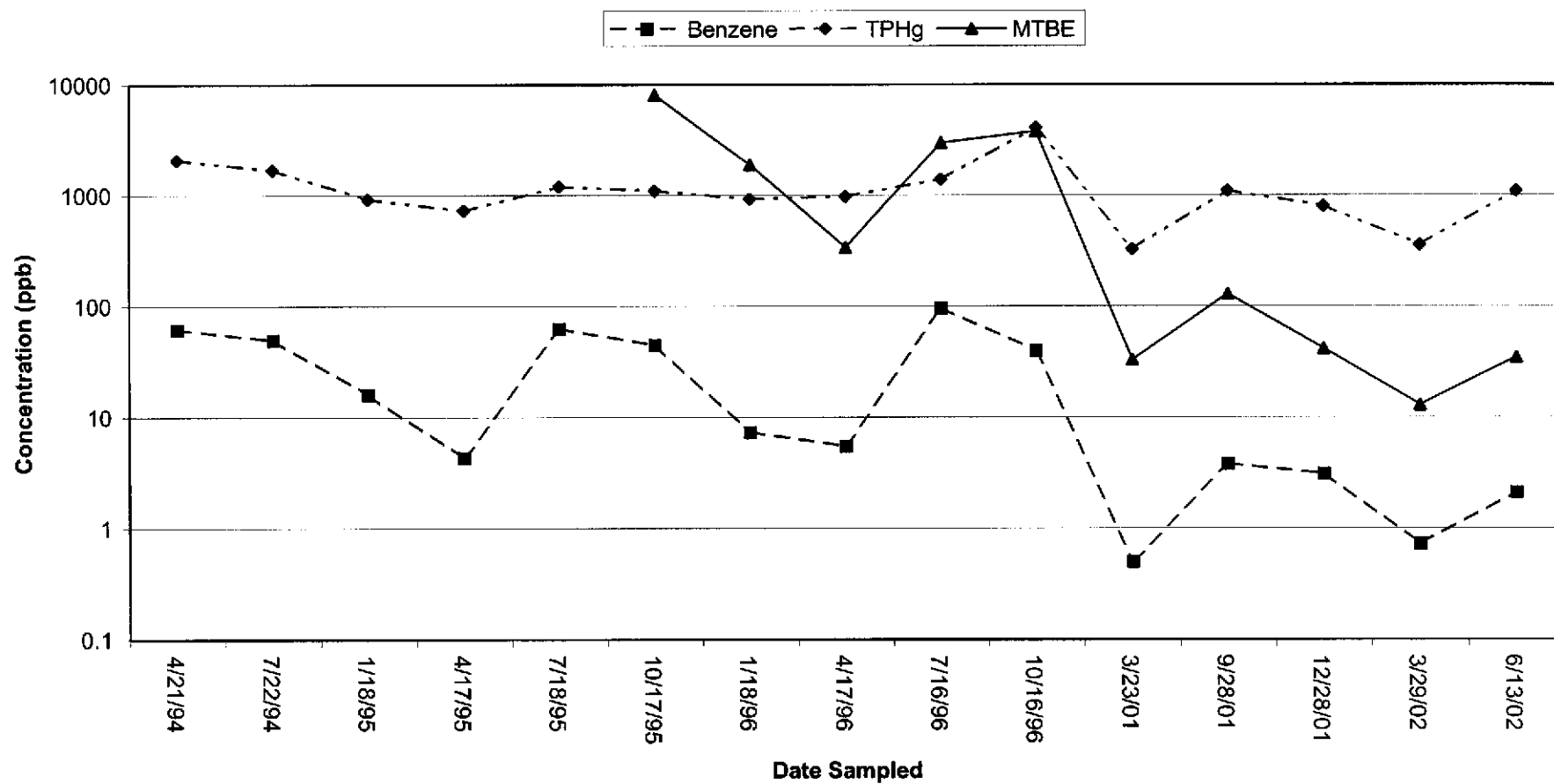
¹ Sampled for Volatile Organic Compounds (VOCs) by EPA Method 8010B. All analytes were ND above the detection limits <0.5 to <5.0.

² Halogenated Volatile Organic Compounds (HVOCs) analyzed by EPA Method 8260. All other HVOCs were less than the reporting limit; see specific lab report.

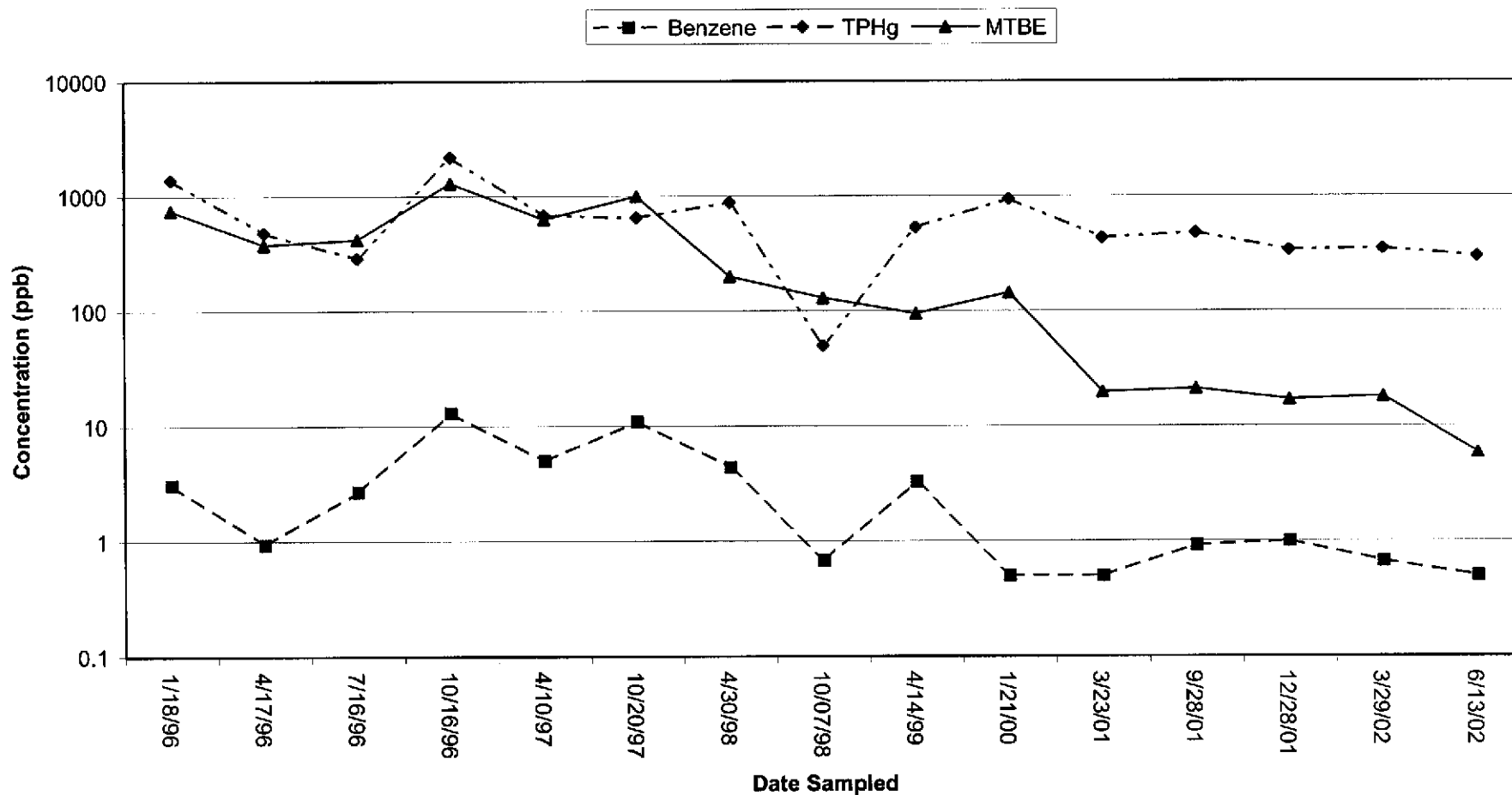
APPENDIX D

Trend Graphs of Benzene, TPHG, and MTBE Concentrations Versus Time

Monitoring Well C-7
Chevron Station No. 9-1924
4904 Southfront Road
Livermore, California

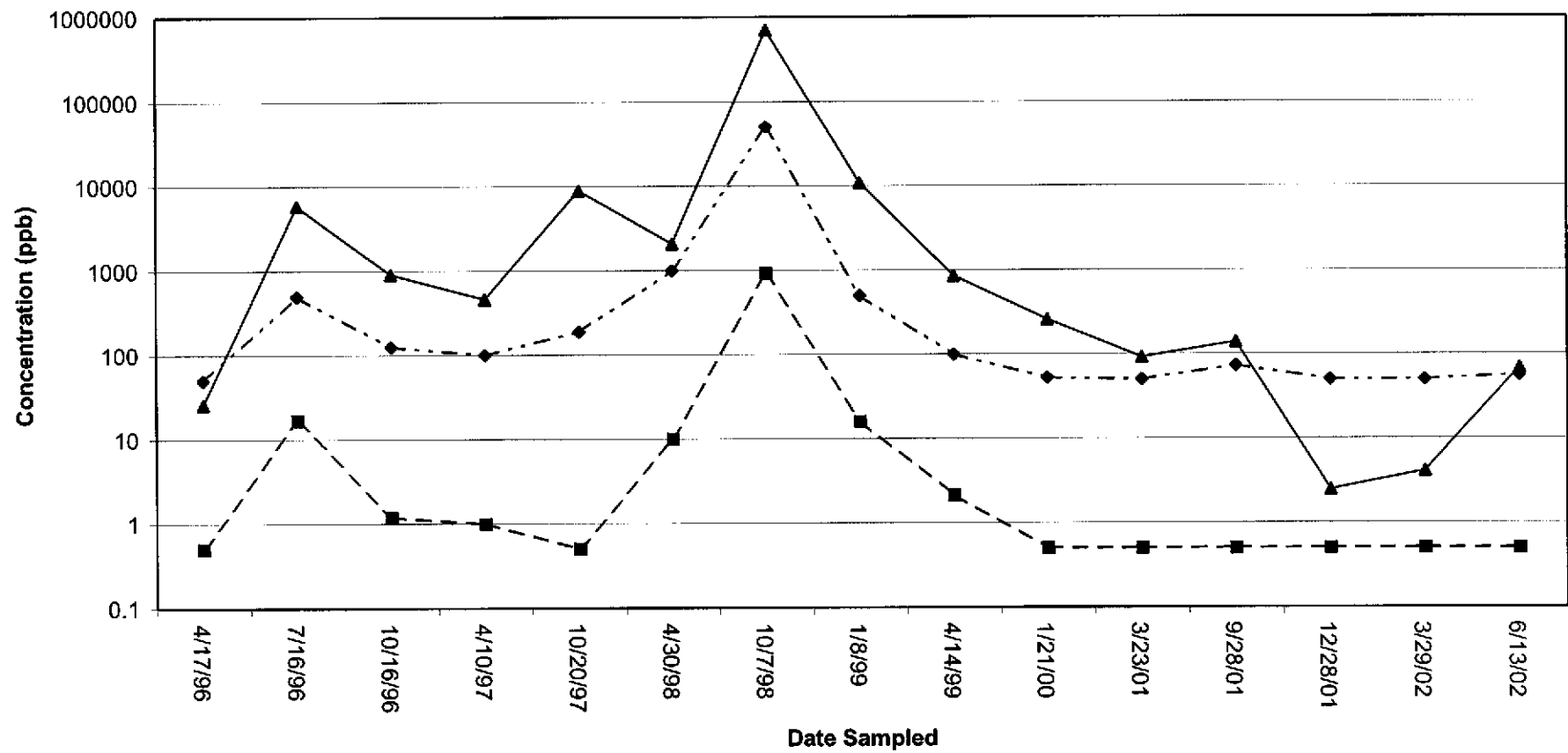


Monitoring Well C-9
Chevron Station No. 9-1924
4904 Southfront Road
Livermore, California

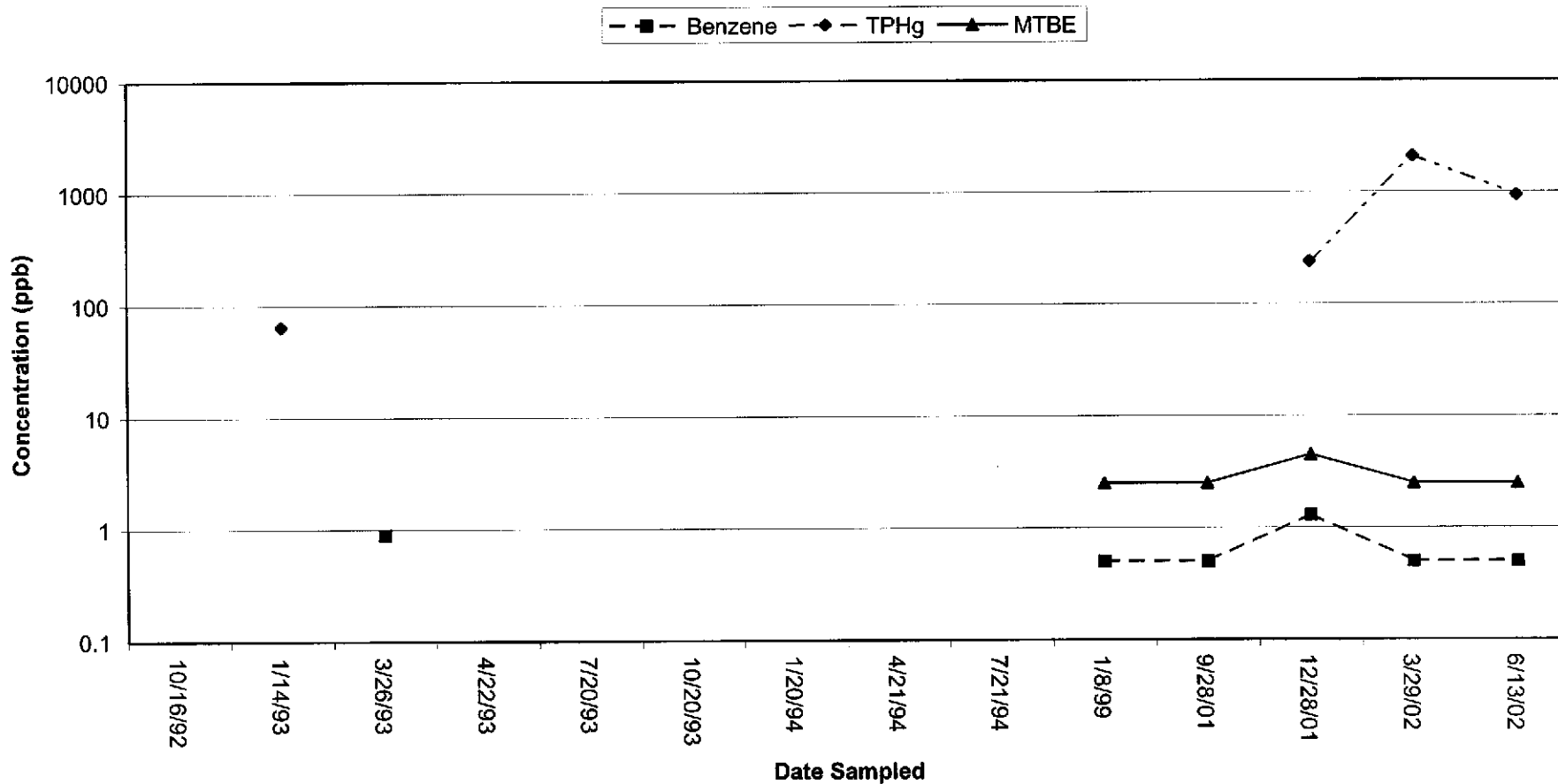


Monitoring Well C-11
Chevron Station No. 9-1924
4904 Southfront Road
Livermore, California

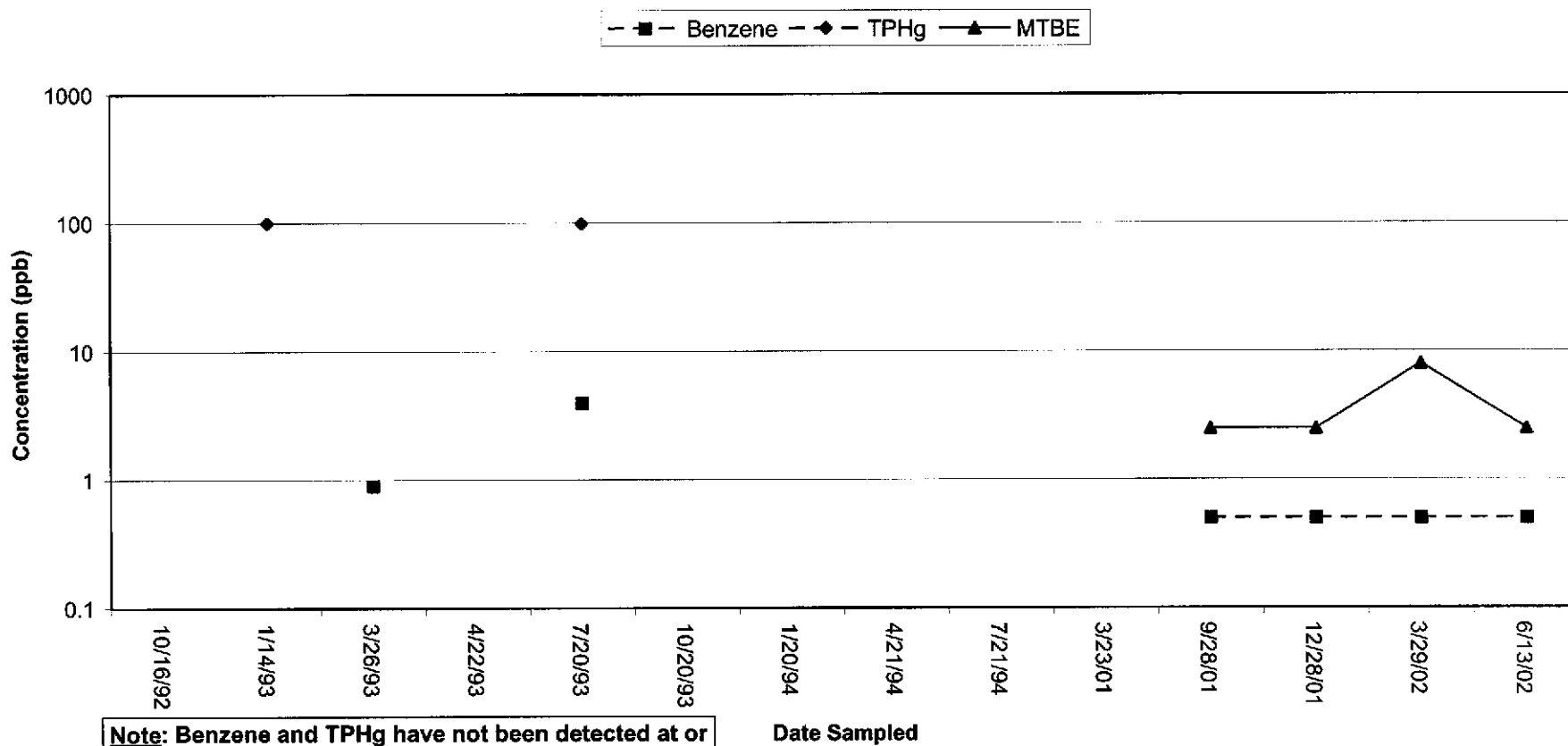
—■— Benzene —◆— TPHg —▲— MTBE



Monitoring Well C-12
Chevron Station No. 9-1924
4904 Southfront Road
Livermore, California



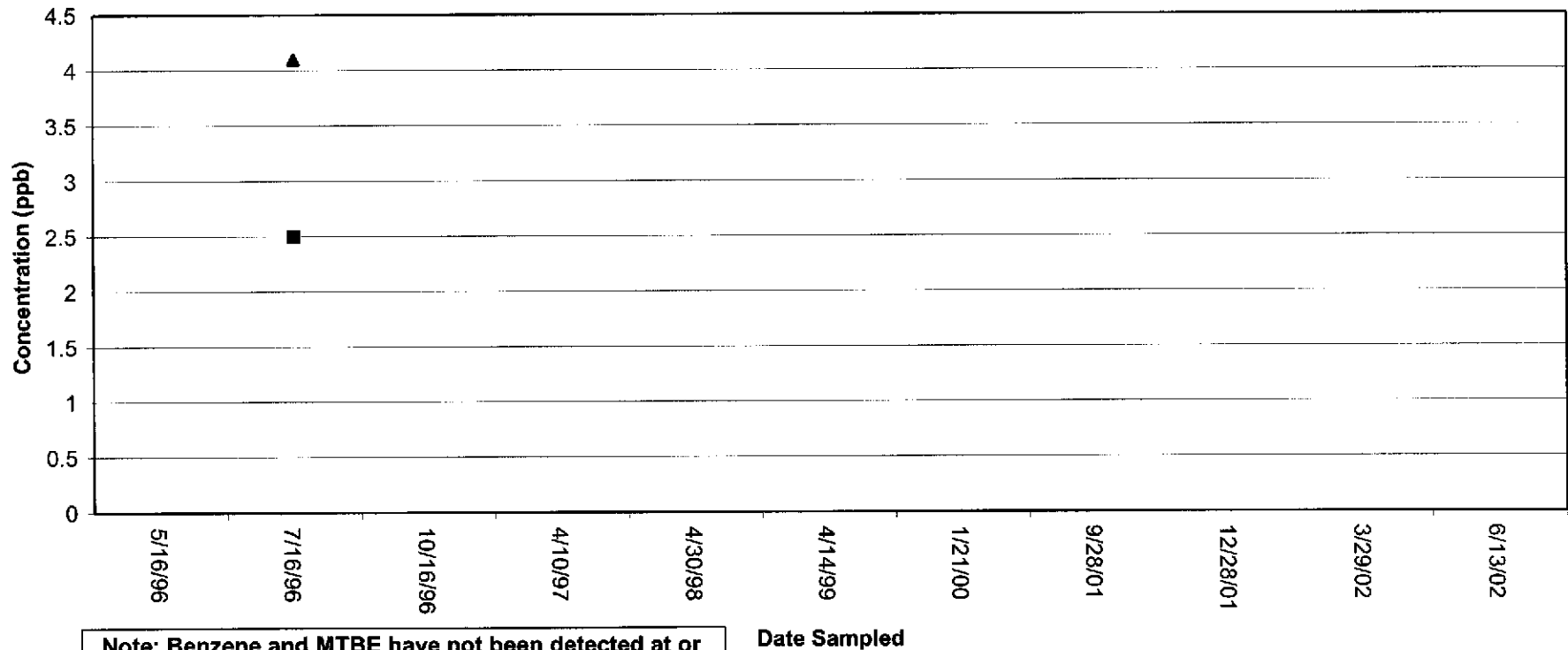
Monitoring Well C-13
Chevron Station No. 9-1924
4904 Southfront Road
Livermore, California



Note: Benzene and TPHg have not been detected at or above the reporting limits since July 1993.

Monitoring Well C-20
Chevron Station No. 9-1924
4904 Southfront Road
Livermore, California

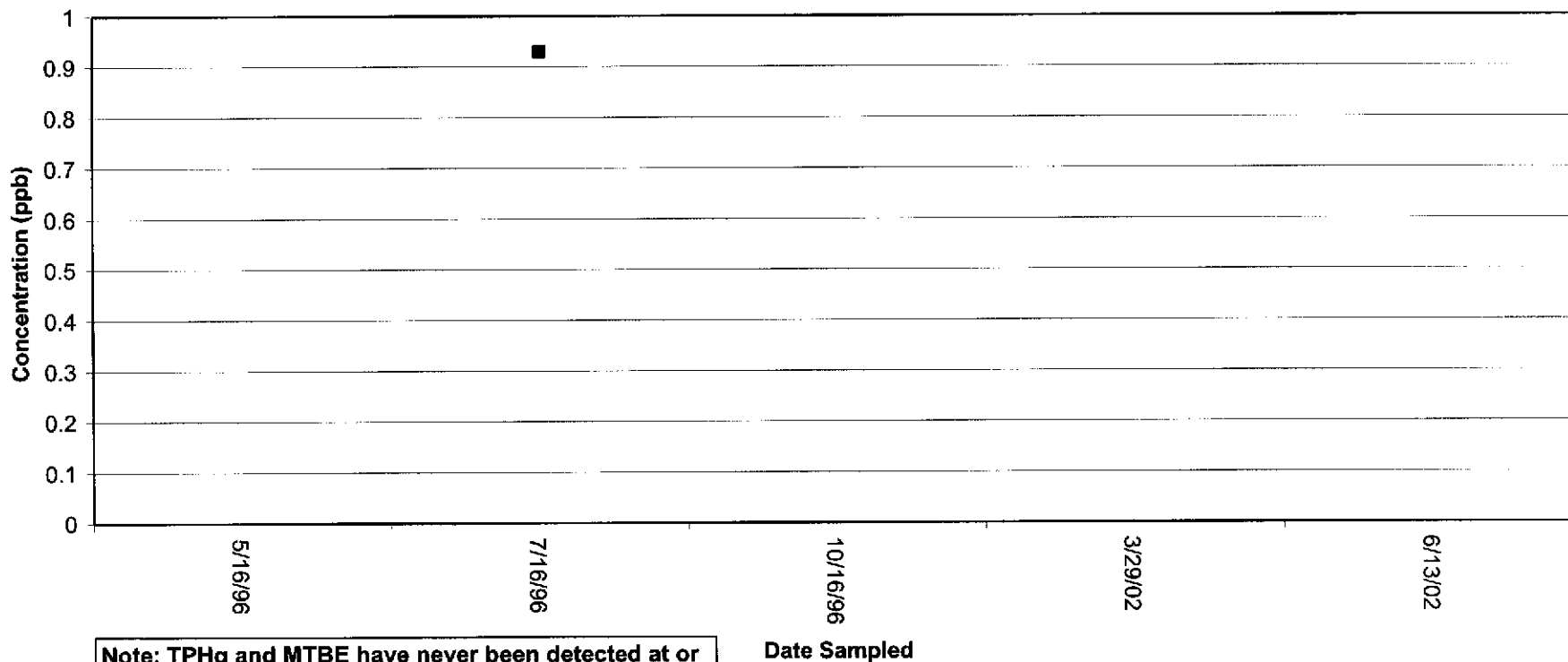
—■— Benzene —◆— TPHg —▲— MTBE



Note: Benzene and MTBE have not been detected at or above the reporting limit since July 1996. TPHg has never been detected in Well C-20.

Monitoring Well C-21
Chevron Station No. 9-1924
4904 Southfront Road
Livermore, California

—■— Benzene —◆— TPHg —▲— MTBE



Note: TPHg and MTBE have never been detected at or above the laboratory reporting limit in Well C-21. Benzene has been detected only once since July 1996.