RO-368

CAMBRIA

March 16, 2004

Ms. Eva Chu
Alameda County Health Care Services
Department of Environmental Health
1311 Harbor Way Parkway, Suite 250
Alameda, CA 94502-6577

Re **Site Conceptual Model**
Chevron-Branded Service Station 9-8139
16304 Foothill Boulevard
San Leandro, California
Cambria Project No. 31D-1971

Dear Ms. Chu:

Cambria Environmental Technology, Inc. (Cambria) has prepared this site conceptual model (SCM) for the site referenced above on behalf of Chevron Environmental Management Company (Chevron). Included in this SCM are a site background, discussion of current conditions, and recommendations.

SITE BACKGROUND

The site is located on the eastern side of Foothill Boulevard in San Leandro, California (Figure 1). The site is currently an active Chevron-branded Service Station with a convenience store. The station is owned and operated by Mr. Harv Dahliwal. Chevron ceased operation of its station in 1998, and removed the existing facilities including a station building, three gasoline-underground storage tanks (USTs), two dispenser islands, and associated product piping. The site's current facilities include two gasoline USTs and two dispenser islands. Current and former site facilities are illustrated in Figure 2.

The site is located on the western edge of the San Leandro Hills approximately four miles east of San Francisco Bay and approximately 1.25 miles south of Lake Chabot. The site is located approximately 125 ft above mean sea level (msl).

Previous Investigations

April 1982 Leak Confirmation, Tank Replacement, and Well Installation: In early 1982, a tank integrity test confirmed that a leak existed on a corroded vapor line for the regular fuel product piping. Chevron records indicate that this piping and the associated UST were removed and replaced. Tank backfill piezometers W-1 and W-2 were installed. There are no records indicating that groundwater was encountered in the tank field during their installation.

Cambria Environmental Technology, Inc.

5900 Hollis Street
Suite A
Emeryville, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

December 1986 Leak, UST Repair and Testing: In December 1986, the station reported petroleum inventory losses. A tightness test was performed and a leak in the regular gasoline system was confirmed. The leak was subsequently repaired. The system was retested tight on January 30, 1986 by Gettler-Ryan, Inc. (GR).

June 1989 Soil Vapor Survey: In response to the two releases mentioned above, EA Science, Engineering and Technology (EA) conducted a soil vapor survey at the site. Benzene was detected in one vapor sample, V4/C, collected from the west end of the south pump island at 1 ppm. Historical soil vapor concentration data and historical site maps are presented as Attachment A.

November and December 1989 Subsurface Investigation: In November1989, Chemical Processors, inc. (Chempro) installed two-inch diameter monitoring wells MW-1 through MW-4. The highest concentration of benzene detected in soil was 1.1 milligrams per kilogram (mg/kg) from MW-4 at 15 feet below grade (fbg). The highest total petroleum hydrocarbons as gasoline (TPHg) was detected MW-4 at 24 mg/kg at a depth of 15 fbg. Cumulative analytical results for all soil samples collected to date are included as Table 1. Well construction details are presented as Table 2. Boring/Well logs are presented as Attachment B and historical groundwater concentrations are presented as Attachment C.

May and August 1990 Subsurface Investigation: In May 1990, Chempro installed two-inch diameter monitoring wells MW-5 through MW-7 and six-inch extraction well E-1. In August 1990, Chempro installed offisite monitoring well MW-8. The highest concentrations of TPHg and benzene detected from soil samples were 130 and 0.29 mg/kg, respectively, in MW-5 at 15 fbg. No benzene or TPHg were detected in soil samples from MW-7.

Hydraulic tests were performed at the site by pumping well E-1 and monitoring the response at wells MW-3, MW-5, and MW-7. Chempro calculated the average hydraulic gradient conductivity at the site as 4.3×10^{-3} centimeters per second (cm/s) and the average groundwater flow velocity as 5.2×10^{-4} cm/s and the radius of influence from E-1 to be 100 ft.

June 1991 Subsurface Investigation: In June 1991, Burlington Environmental, Inc. (BE) installed offsite monitoring well MW-9 and converted two-inch monitoring wells MW-4 and MW-5 into four-inch extraction wells E-3 and E-2, respectively. A groundwater treatment system was started up in August 1991 and was operated through April 1994. The system was shut off due to low influent concentrations. Historical system performance tables are presented as Attachment D.

Wells E-1 through E-3 are currently designated EW-1 through EW-3 in quarterly monitoring reports. These designations will be changed to the E-1 through E-3 in future groundwater monitoring reports.

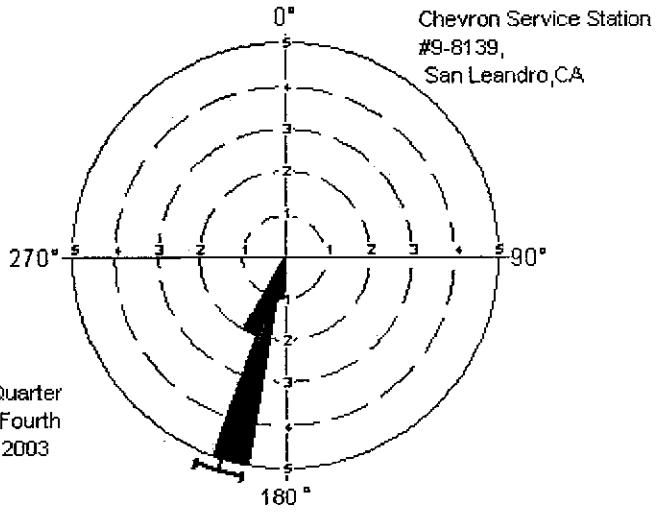
April and May 1992 Subsurface Investigation: In April 1992, BE installed offsite monitoring wells MW-10 and MW-11. No Benzene or TPHg were detected in any soil samples.

September 1998 Well Destruction: In September 1998, GR destroyed wells MW-1, MW-2, MW-3, MW-6, and MW-7 prior to site renovation.

October and November 1998 UST and Product Line Removal: In October and November 1998, three 10,000-gallon fuel USTs, one 1,000-gallon used oil UST, associated product piping, three hoists, and one clarifier were removed by Touchstone Developments (Touchstone). Groundwater was encountered at 12 fbg during the UST removal. A sheen was noted and 2,500 gallons of water were pumped out of the excavation prior to backfilling. Soil in the vicinity of the former used-oil UST and the product trenches were over excavated and confirmation samples were collected. Analytical results of over excavation are presented on Table 1.

August 2000 Subsurface Investigation: In August 2000, GR installed monitoring wells MW-12 through MW-14. Methyl tertiary butyl ether (MTBE) was detected in soil samples from MW-14 at 16 and 21 fbg at 2.9 and 0.13 mg/kg, respectively. No TPHg, benzene, toluene, ethylbenzene, or xylenes (BTEX) were detected in these samples. No TPHg, BTEX, or MTBE were detected in any soil sample collected from MW-12 or MW-13.

Quarterly Monitoring: Wells at this site have been monitored and sampled since December 1989 to present. Wells are currently being monitored and sampled quarterly. Groundwater samples are analyzed for TPHd, TPHg, BTEX, MTBE, tertiary butyl alcohol (TBA), di isopropyl ether (DIPE) ethyl tertiary butyl ether (ETBE) tertiary amyl methyl ether (TAME) 1,2-Dichloroethane (1,2-DCA), ethylene dibromide (EDB), and ethanol. Graphs depicting trends of hydrocarbons based on quarterly monitoring events are presented as Attachment E.



Fourth Quarter 2001 to Fourth Quarter 2003

Isoconcentration figures based on Fourth Quarter 2003 quarterly monitoring and sampling data are included as Figures 5 through 7.

Groundwater Flow Direction, Depth Trends and Gradient Trend: Historically, depth to groundwater has varied from 8.71 fbg (MW-2, 1/95) to 22.42 fbg (MW-7, 1/92). Groundwater flows predominately toward the south at a gradient of 0.01 to 0.03 ft/ft.

Stratigraphy and Hydrogeology: Soils encountered beneath the subject site consist primarily of sandy clays interbedded with clayey and gravelly sands to a total explored depth of 41.5 fbg. Cross-sections are included as Figures 3 and 4.

HYDROCARBON SOURCE

Based on data from two known releases, the former USTs and product lines at the Chevron station appear to have been the sources of TPHg, BTEX, and MTBE detected in groundwater. The USTs and product lines associated with these releases have been removed. Site renovation data appears to confirm that residual hydrocarbons existed in soil beneath product lines, likely originating from the corroded vapor line discovered in 1982. The highest TPHg concentration detected from product line trenches was 1,560 mg/kg. These trenches were over excavated and confirmation samples contained maximum concentrations of TPHg and benzene at 2.49 and 0.0881 mg/kg, respectively. It appears that the majority of impacted soil from the former product lines was removed in 1998 during over excavation activities.

USTs where documented releases have occurred have been replaced. Older product lines and dispensers have also been replaced. Soil in the vicinity of the older product lines was over excavated, and confirmation samples indicated that nearly all the hydrocarbon mass associated with the former product lines has been removed.

SITE CHARACTERIZATION

Soil Definition Status

The highest residual concentration of TPHg detected in soil was 154 mg/kg in sample BN at 14 fbg, collected from beneath the former USTs. Benzene was not detected in this sample. The majority of

hydrocarbons associated with former product lines were removed by over excavation. The majority of residual hydrocarbons in soil are located at the base of the excavated area associated with the former USTs and dispensers at approximately 15 fbg. The extent of hydrocarbons in soil appears to be vertically defined by MW-4. The extent of TPHg and benzene is defined laterally by MW-1, MW-2, and MW-8 through MW-14.

MTBE was not analyzed in soil samples from MW-1 through MW-11. The maximum MTBE concentration of 12.7 mg/kg was detected in sample AS at 14 fbg. MTBE was detected in other UST and product line compliance and confirmation samples. No MTBE was detected in soil samples collected from MW-12 and MW-13, but was detected at 2.9 mg/kg in downgradient well MW-14 at 16 fbg.

Separate-Phase Hydrocarbon Definition Status

Separate-phase hydrocarbons (SPH) were measured at the site in well MW-5 from September 1990 to March 1991. SPH thickness ranged from 0.04 to 1.30 ft. In 1991, MW-5 was converted to E-2 and used as an extraction well for the groundwater extraction and treatment system. This system operated until 1994. No SPH is currently present at the site.

Groundwater Definition Status and Plume Stability for TPHg/BTEX

Hydrocarbons in groundwater has been defined in all directions except downgradient. Downgradient well MW-14 contained 360 µg/L TPHg during the fourth quarter 2003 monitoring and sampling event. No benzene has ever been detected in this well. With the exception of one anomalous 8 µg/L benzene detection in well MW-11 (1/93), no TPHg or benzene has ever been detected in wells MW-11 through MW-13. Well MW-14 is located approximately 35 ft further downgradient of well MW-8, and the concentration of TPHg decreases by an order of magnitude in that distance.

The highest concentrations of TPHg and BTEX were historically detected in well MW-3, with SPH historically measured in MW-5 (currently E-2). Downgradient well MW-8 exhibits the highest concentrations of TPHg in all wells currently monitored and sampled. Downgradient well E-3 (formerly MW-4) typically contains the highest benzene concentrations, currently at 14 µg/L. Hydrocarbon concentrations in both these wells appear to be stable and decreasing, as illustrated in the graphs in Attachment D. Concentrations of TPHg appears to decrease with distance from MW-8. TPHg concentrations in MW-14 are one order of magnitude less than in MW-8. Benzene has never been detected in MW-14, which illustrates that the extent of benzene in groundwater is defined. No TPHg or benzene have ever been detected in wells MW-11 through MW-13, except for one

anomalous benzene detection mentioned above. Detected concentrations and trends suggest that the TPHg and BTEX plume at the site is shrinking.

Groundwater Definition Status and Plume Stability for MTBE

Maximum concentrations of MTBE in groundwater are detected in well MW-8. During the Fourth Quarter 2003 monitoring and sampling event, MTBE was reported at 13,000 µg/L in MW-8. Concentrations decrease with distance as evidenced by further down-gradient well MW-14. Over the past three quarters, MTBE decreased in these wells such that concentrations in MW-14, 35 feet further down-gradient, are now nearly an order of magnitude less than MW-8. During Fourth Quarter 2003 sampling, MTBE was detected in well MW-14 at 1,700 µg/L. MTBE appears to be defined in all directions except down-gradient. No vertical assessment of MTBE in groundwater has been performed.

As illustrated in the attached graphs, MTBE concentrations exhibit decreasing trends in wells MW-8, MW-14, and E-1. This suggests that the dissolved hydrocarbon plume beneath and down-gradient of the site is stable and shrinking.

REMEDIATION STATUS

One former UST and associated piping were removed and replaced shortly after the 1982 leak was discovered. In 1998, three USTs, product piping, and hoists were removed and new double-walled fiberglass USTs were installed at the site. A groundwater treatment system was operated at the site from May 1991 to April 1994. A total of 666,500 gallons of water was treated and a calculated volume of 7.3 gallons of TPHg were removed. SPH previously occurring in well MW-5 (currently E-2) has not been observed since June 1991.

RECEPTOR SURVEY

Records indicate that a receptor survey was conducted prior sometime to 1992. The survey results are presented in Attachment F. A plot of the well survey results is presented as Figure 8. Of the 14 wells listed on the table, one is designated as municipal, seven as irrigation, one as domestic, and five are abandoned. The screened interval of these wells is unkown. One of the wells is located upgradient of the site. Nine of the wells listed on the table are located off the map. The closest well is plotted

approximately 1,000 feet southwest of the site. It appears that the plume at the site is shrinking. Concentrations of hydrocarbons and MTBE appear to be decreasing, and, therefore, it is unlikely that hydrocarbons and MTBE originating from the subject site could impact any of these wells.

The closest surface water is San Lorenzo Creek located approximately one mile south of the site. Due to its distance and crossgradient position to the site, it is unlikely that hydrocarbons in groundwater associated with the site could impact the creek.

RISK ASSESSMENT

The site is currently an active Chevron-branded service station and is likely to remain commercial property for the foreseeable future. The plume is located in the street west of the site, under Foothill Boulevard. No enclosed structures exist over the plume.

An exposure evaluation flowchart is presented in Attachment G[1]. All previous USTs and associated piping and dispensers, where releases were previously identified, have been removed and replaced. Secondary hydrocarbon sources exist in the soil and impacted groundwater. Mechanisms of potential hydrocarbon exposure include volatilization to indoor and outdoor air, dermal contact, and groundwater ingestion. Potential receptors include onsite workers and construction workers during future site redevelopment. It is highly unlikely that any pathway would be completed. No benzene has been detected in soil greater than 1.1 mg/kg above 15 fbg. Most soil samples collected did not contain detectable concentrations of benzene. Groundwater is encountered between 12 to 19 fbg. Because of the depth to hydrocarbon impact and the position of the plume relative to current site development, it is unlikely that accumulation of vapor in an enclosed space could occur or pose a risk to human health. Based on the results of a sensitive receptor survey, no wells or surface water are threatened, and no usage of groundwater exists in the site vicinity. Evaluation of potential residential exposure appears unnecessary as the site is an active station, and is likely to remain so for the foreseeable future.

---

1 Based on the *Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites*,

DATA NEEDED TO CLOSE SITE

Continued monitoring of current and, potentially, additional monitoring wells will be necessary to confirm decreasing concentration trends.

CLOSING

Please call Robert Foss at (510) 420-3348 or Kristene Wilder at (510) 420-3308 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.

Kristene Wilder
Senior Staff Geologist

Thomas A. Sparrowe, R.G.
Project Geologist

REGISTERED GEOLOGIST
THOMAS A. SPARROWE
5065
Exp. 12/31/04
STATE OF CALIFORNIA

American Society for Testing and Materials E7139, November 1995.

Figures:
1 – Site Vicinity Map
2 – Site Plan
3 – Geologic Cross Sections A to A'
4 – Geologic Cross Sections B to B'
5 – TPHg Isoconcentration Contours
6 – Benzene Isoconcentration Contours
7 – MTBE Isoconcentration Figures
8 – Well Survey Map

Tables:
1 – Cumulative Analytical Results for Soil
2 – Monitoring Well Details

Attachments:
A – Soil Vapor Historical Data and Historical Site Maps
B – Boring/Well Logs
C – Fourth Quarter 2003 Groundwater Monitoring and Sampling Report
D – Historical Performance System Data
D - Graphs
F – Receptor Survey Data
G – Exposure Evaluation Flowchart

cc: Ms. Karen Streich, Chevron Environmental Management Company, P.O. Box 6012, San Ramon, CA 94583

I:\9-8139 San Leandro\SCM\SCM.doc

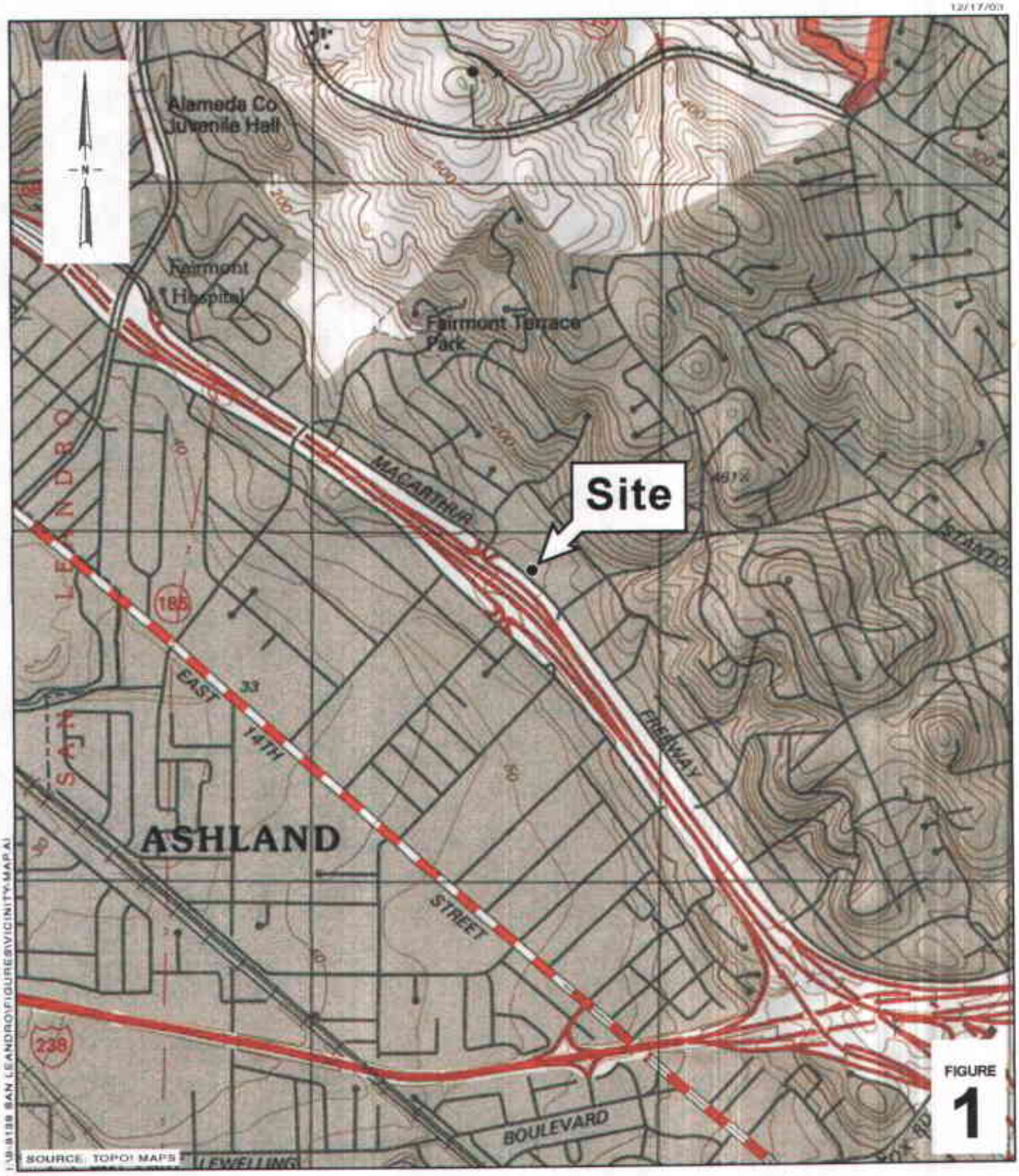


FIGURE
1

Chevron Service Station

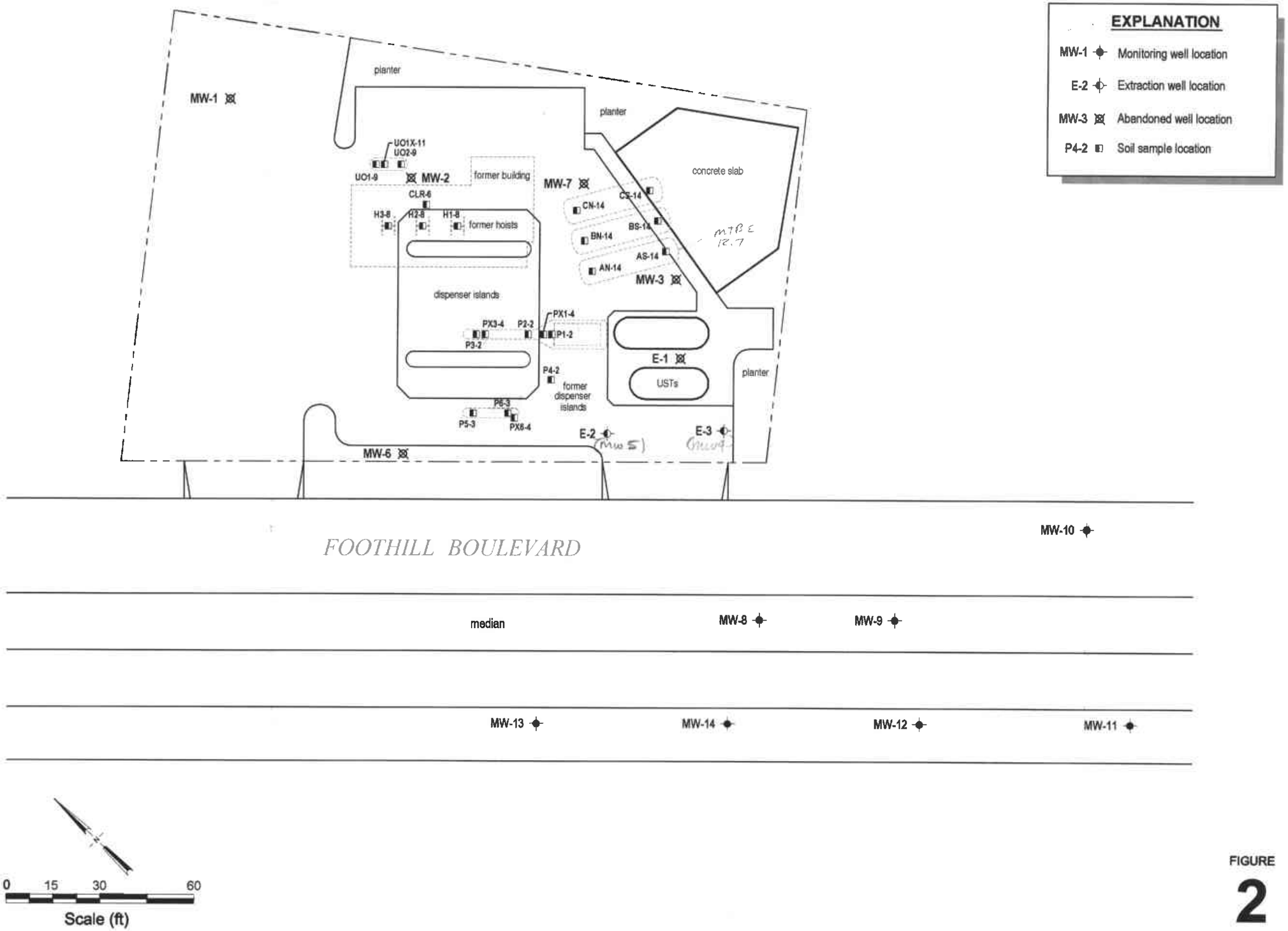
16304 Foothill Boulevard

San Leandro, California

CAMBRIA

Vicinity Map

12/10/09



FIGURE

2

Site Plan

Chevron Service Station 9-8139
16304 Foothill Boulevard
San Leandro, California

CAMBRIA

139-8139 (SAN LEANDRO)\FIGURES\SITEPLAN.DWG

Geologic Cross Section A-A'

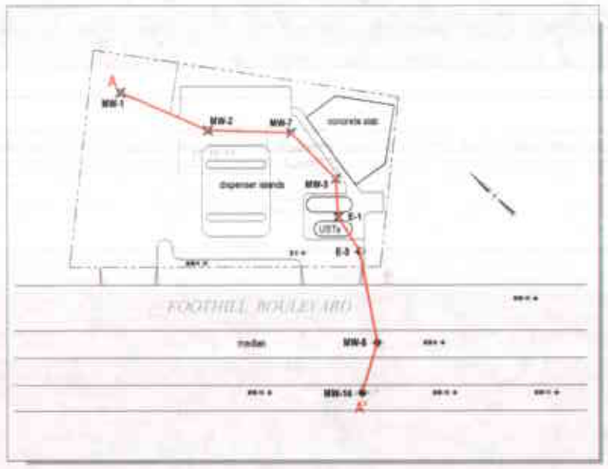
A — North — A'

South

MW-1 (destroyed)	MW-2 (destroyed)	MW-7 (destroyed)	MW-3 (destroyed)	E-1 (destroyed)	E-3	MW-8	MW-14
127.09'	125.98'	126.86'	126.77'	124.95'	125.21'	123.61'	122.04'

Elevation: 125, 120, 115, 110, 105, 100, 95, 90, 85, 80, 75, 70

Depth: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50



EXPLANATION

- = Low Permeability Soils
- = Moderate Permeability Soils
- = High Permeability Soils
- = Fill (Tank Pit)
- Approximate sample location
- TPHg / Benzene / MTBE — Hydrocarbon concentrations in Soil, in parts per million
- **Well ID** — Well Designation
- Elev. — Top of Casing Elevation
- Groundwater Monitoring Well
- Well Screen Interval
- Bottom of boring
- Depth of Groundwater - 11/10/2003
- TPHg / Benzene / MTBE — Hydrocarbon concentrations in Groundwater, in parts per billion

10 — Scale (ft) — 0 — 30

FIGURE **3**

16304 Foothill Boulevard
San Leandro, California

CAMBRIA

Chevron

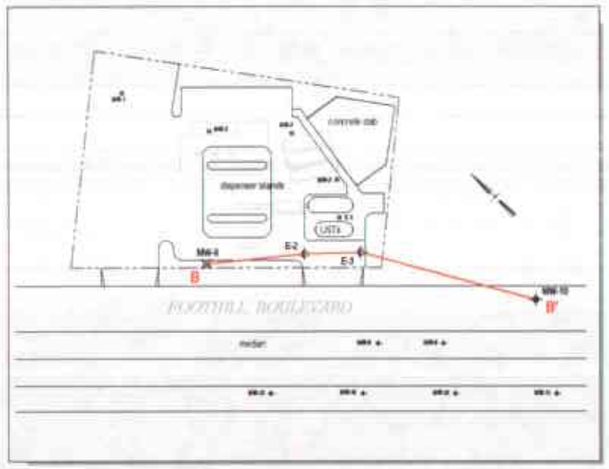
I:\X-ROCKLIN\9-8139 SAN LEANDRO\FIGURES\W-SECTION-A.DWG

B Northeast — Southwest B'

MW-6 (destroyed) 124.18'
E-2 125.52'
E-3 125.21'
MW-10 125.03'

Elevation: 125, 120, 115, 110, 105, 100, 95, 90, 85

Approximate Depth: 0, 5, 10, 15, 20, 25, 30, 35, 40



EXPLANATION

= Low Permeability Soils
- CH - Inorganic Clay
- CL - Clay
- SC - Clayey Sand

= Moderate Permeability Soils
- ML - Clayey Silt
- SM - Silty Sand

= High Permeability Soils
- SP - Poorly Graded Sand
- SW - Well Graded Sand

= Fill (Tank Pit)

Approximate sample location

TPHg / Benzene / MTBE — Hydrocarbon concentrations in Soil, in parts per million

Well ID — Well Designation
Elev. — Top of Casing Elevation

Groundwater Monitoring Well
Well Screen Interval
Bottom of boring

Depth of Groundwater - 11/10/2003

TPHg / Benzene / MTBE — Hydrocarbon concentrations in Groundwater, in parts per billion

10
Scale (ft)
0 20

FIGURE
4

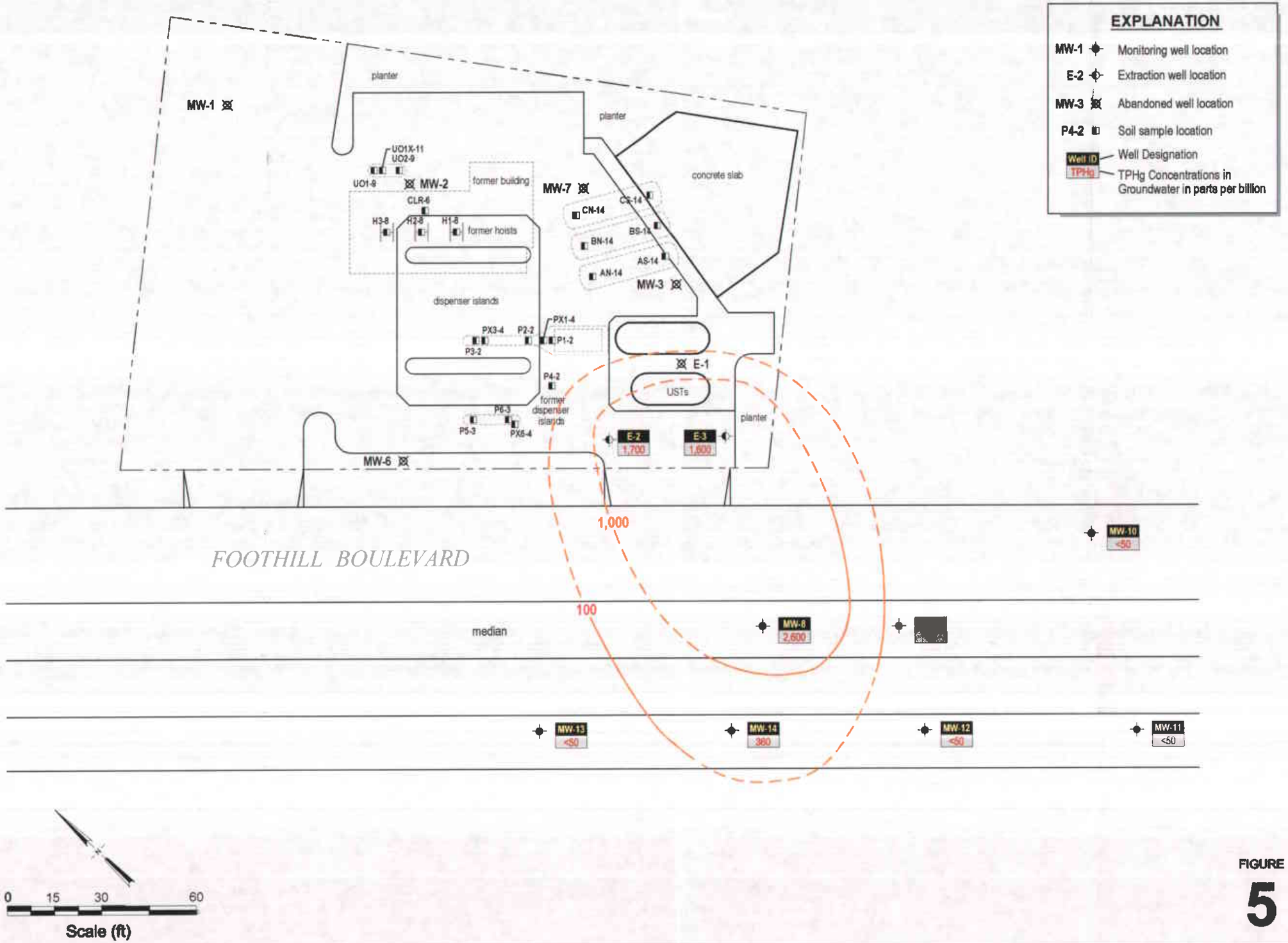
Geologic Cross Section B-B'

Chevron Service Station 9-8139
16304 Foothill Boulevard
San Leandro, California

CAMBRIA

I:\SJ-ROCK\9139-8139 SAN LEAN\GROUNDWATER\X-SECTION B.DWG

02/27/04



FIGURE

5

TPHg Isoconcentration Contours

November 10, 2003

CAMBRIA

Chevron Service Station 9-8139

16304 Foothill Boulevard

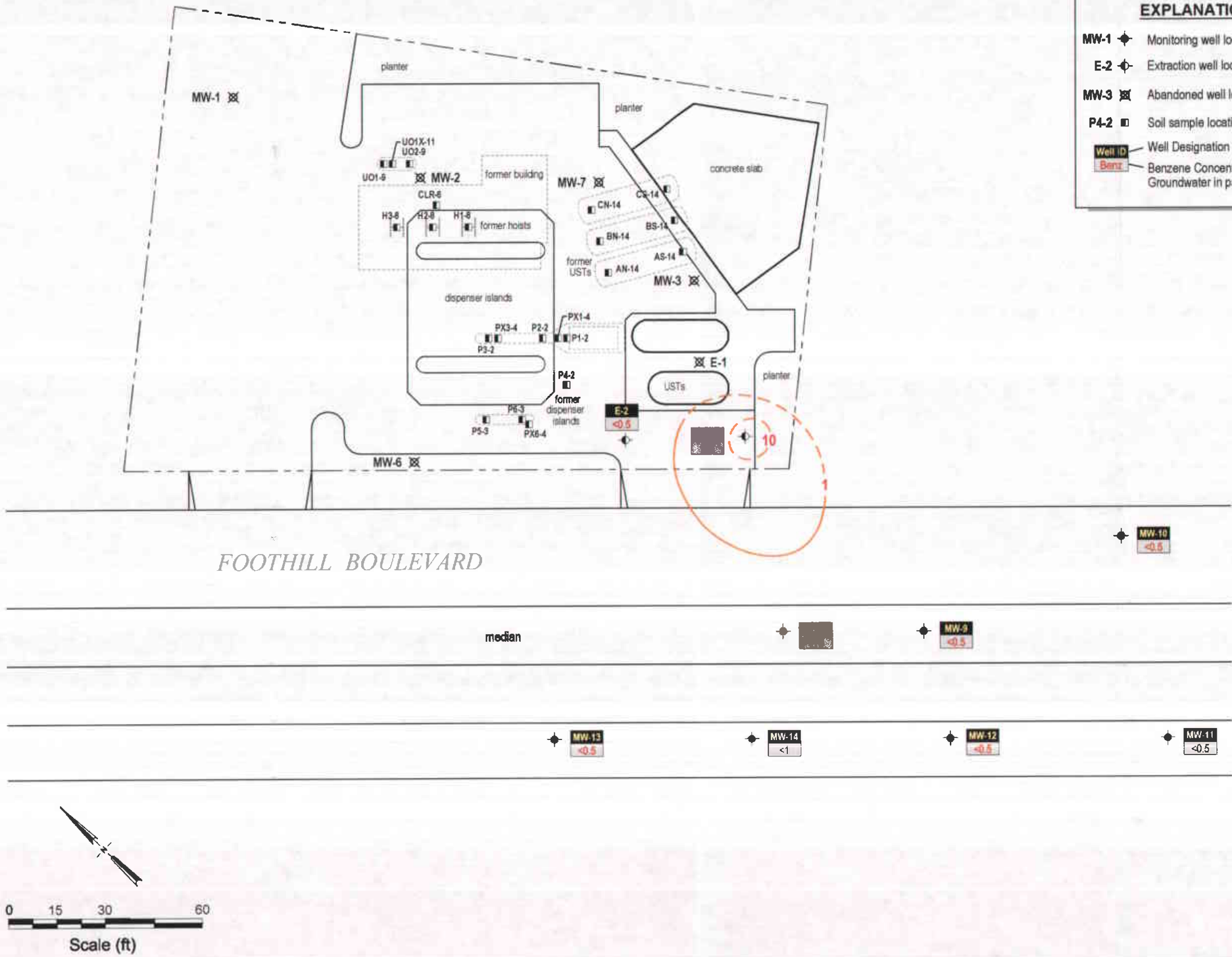
San Leandro, California

Benzene Isoconcentration Contours

November 10, 2003

EXPLANATION

- MW-1 — Monitoring well location
- E-2 — Extraction well location
- MW-3 — Abandoned well location
- P4-2 — Soil sample location
- Well ID / Benz — Well Designation; Benzene Concentrations in Groundwater in parts per billion

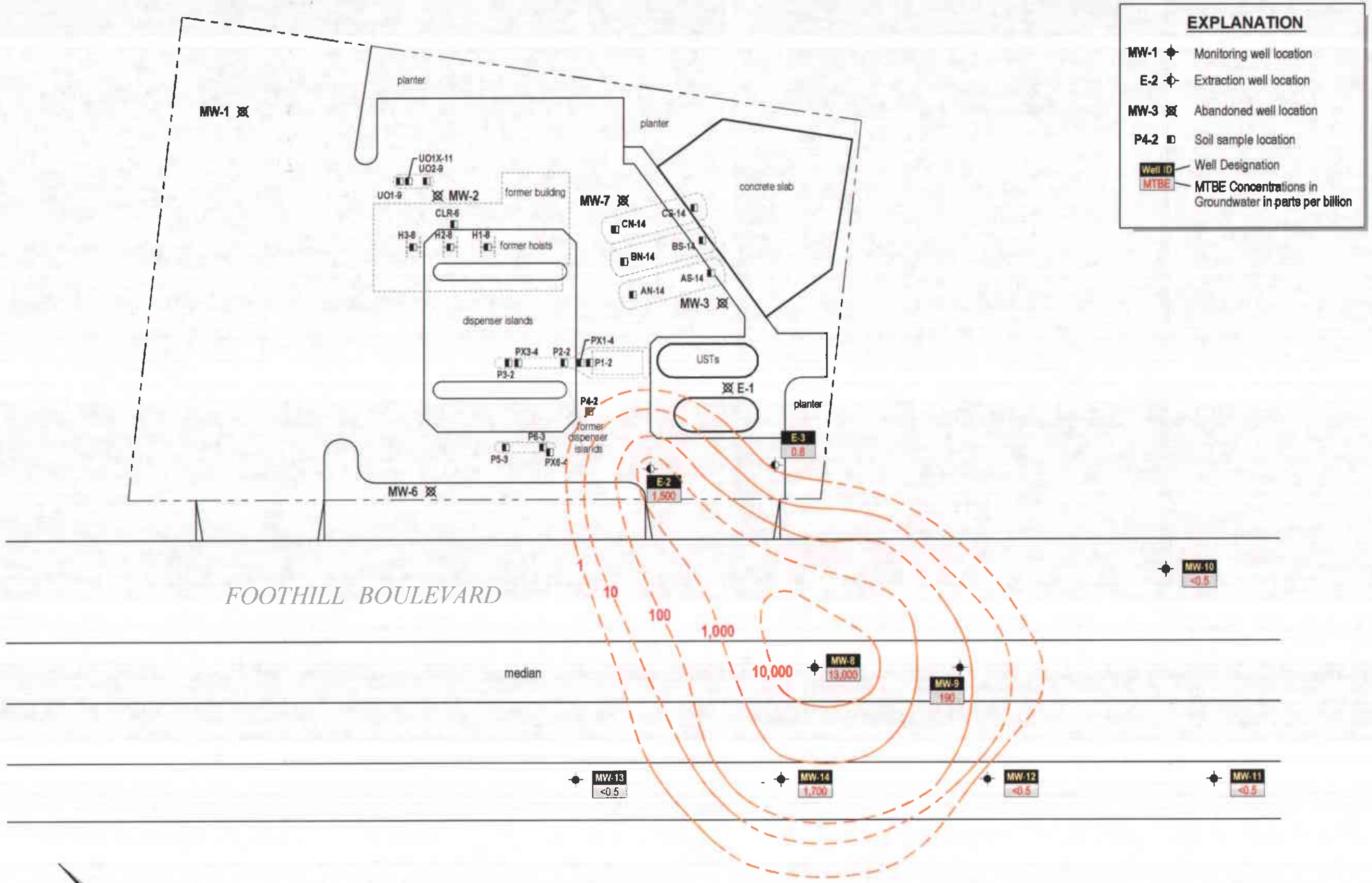


FIGURE

6

Chevron Service Station 9-8139
16304 Foothill Boulevard
San Leandro, California

CAMBRIA



MTBE Isoconcentration Contours

November 10, 2003

CAMBRIA

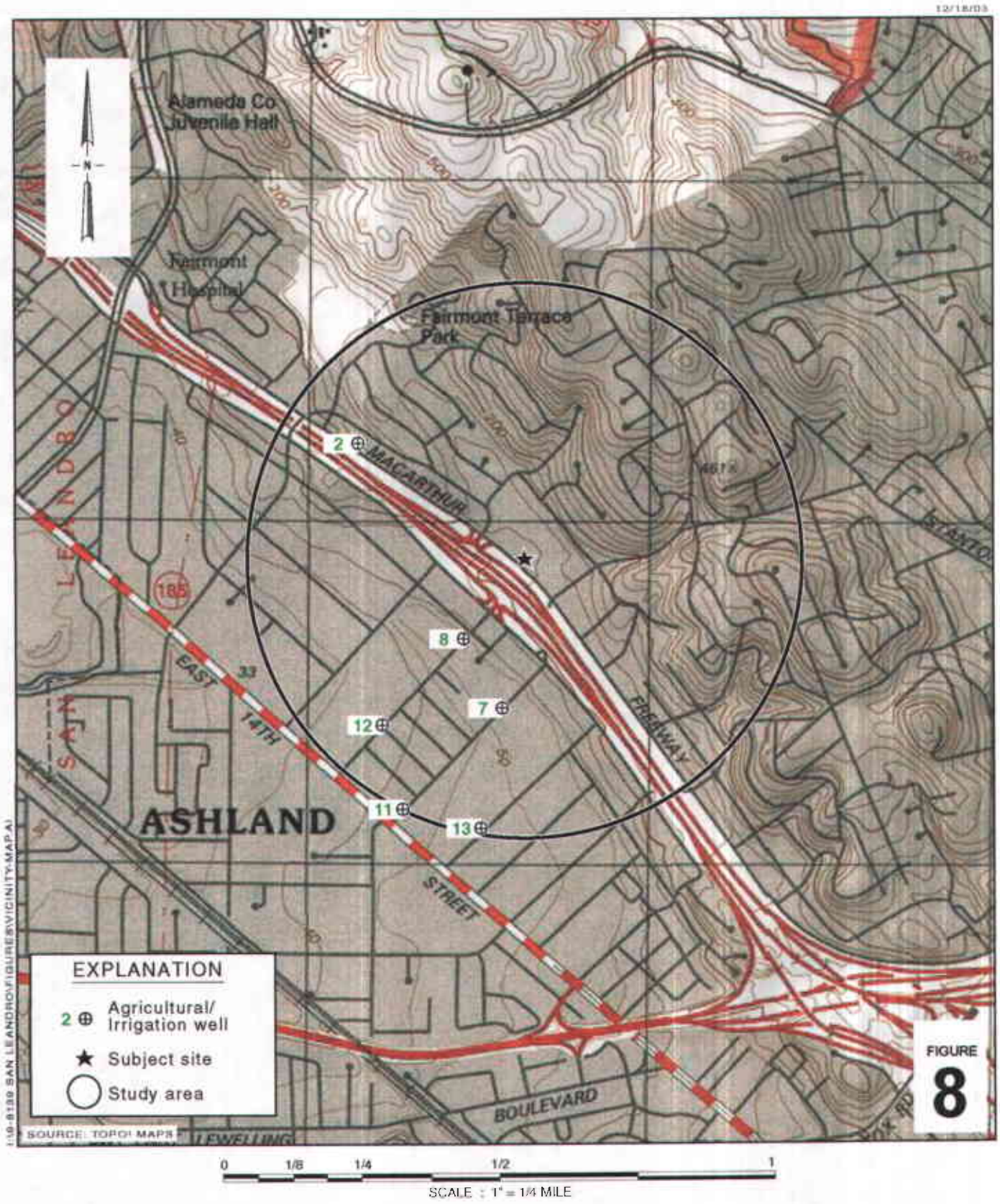
Chevron Service Station 9-8139

16304 Foothill Boulevard

San Leandro, California

FIGURE

7



Chevron Service Station

16304 Foothill Boulevard

San Leandro, California

CAMBRIA

Area Well Survey Map

1/2 Mile Radius

Table 1. Cumulative Analytical Results for Soil Samples - Chevron Service Station 9-8139, 16304 Foothill Blvd., San Leandro, CA

Sample ID	Depth (ft)	Sampling Date	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
				Concentration in mg/kg					
MW-1	25	11/29/1989	<10	<1	<0.05	<0.05	<0.05	<0.05	NA
MW-2	5	11/29/1989	<10	<1	<0.05	<0.05	<0.05	<0.05	NA
	25	11/29/1989	<10	<1	<0.05	<0.05	<0.05	<0.05	NA
MW-3	5	12/1/1989	NA	<1	<0.05	<0.05	<0.05	<0.05	NA
	15	12/1/1989	NA	**6**	<0.05	<0.05	<0.05	<0.05	NA
	20	12/1/1989	NA	<1	<0.05	<0.05	<0.05	<0.05	NA
MW-4	10	11/30/1989	NA	<1	<0.05	<0.05	<0.05	<0.05	NA
	15	11/30/1989	NA	`	**1.1**	**0.64**	**0.08**	**0.44**	NA
	25	11/30/1989	NA	<1	**0.14**	<0.05	<0.05	<0.05	NA
MW-5	10	5/17/1990	NA	<1	<0.05	<0.05	<0.05	<0.05	NA
	15	5/17/1990	NA	**130**	**0.29**	**3**	**1.2**	**7.4**	NA
MW-6	10.5	5/14/1990	NA	**2**	<0.05	<0.05	<0.05	**0.16**	NA
	15.5	5/14/1990	NA	**5**	<0.05	<0.05	<0.05	**0.11**	NA
MW-7	5.5	5/15/1990	NA	<1	<0.05	<0.05	<0.05	**0.06**	NA
	10.5	5/15/1990	NA	<1	<0.05	<0.05	<0.05	<0.05	NA
EW-1	10.5	5/16/1990	NA	<1	<0.05	<0.05	<0.05	<0.05	NA
	15.5	5/16/1990	NA	**37**	**0.69**	**2.8**	**0.76**	**4.2**	NA
MW-8	25	8/30/1990	NA	<1	<0.05	<0.05	<0.05	<0.05	NA
MW-10	15	4/21/1992	NA	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA
MW-11	15	4/21/1992	NA	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA
AN	14	10/26/1998	NA	<200	<1	<1	<1	<2	**8.9**
AS	14	10/26/1998	NA	**28.8**	<0.1	<0.1	<0.1	**0.726**	**12.7**
BN	14	10/26/1998	NA	**154**	<0.1	<0.1	**0.875**	**9.86**	**1.41**
BS	14	10/26/1998	NA	<20	<0.1	<0.1	<0.1	<0.2	**7.69**
CN	14	10/26/1998	NA	<1	<0.005	<0.005	**0.0062**	**0.0177**	<0.025
CS	14	10/26/1998	NA	<20	<0.1	<0.1	<0.1	<0.2	**7.51**
P1	2	10/26/1998	NA	**11.4**	**0.434**	**0.359**	**0.268**	**1.29**	**3.47**
P2	2	10/26/1998	NA	<2	<0.01	<0.01	<0.01	<0.2	**0.778**
P3	2	10/26/1998	NA	<200	<1	<1	<1	<2	**8.61**
P4	2	10/26/1998	NA	**1,560**	<1	**5.24**	**30.6**	**8.46**	<5
P5	3	10/26/1998	NA	**1.06**	**0.028**	<0.005	0.00749	<0.01	**0.283**
P6	3	10/26/1998	NA	**13.3**	**0.372**	**0.09**	**0.248**	**1.15**	**2.26**

Table 1. Cumulative Analytical Results for Soil Samples - Chevron Service Station 9-8139, 16304 Foothill Blvd., San Leandro, CA

Sample ID	Depth (ft)	Sampling Date	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
			Concentration in mg/kg						
H1	8	10/26/1998	**59**	NA	NA	NA	NA	NA	NA
H2	8	10/26/1998	<0.001	NA	NA	NA	NA	NA	NA
H3	8	10/26/1998	<0.001	NA	NA	NA	NA	NA	NA
CLR	6	10/26/1998	**7.3**	**4.27**	<0.01	<0.01	<0.01	<0.02	<0.05
UO1	9	10/26/1998	**410**	**3.9**	<0.005	<0.005	<0.005	<0.01	<0.025
UO2	9	10/26/1998	<0.001	<1	<0.005	<0.005	<0.005	<0.01	<0.025
UO1X	11	10/26/1998	**38**	<1	<0.005	<0.005	<0.005	<0.01	<0.025
PX1	4	11/2/1998	NA	**2.49**	**0.088**	<0.01	**0.049**	**0.166**	**2.9**
PX3	4	11/2/1998	NA	<0.005	<0.005	<0.005	**0.009**	<0.01	**1.3**
PX4	4	11/2/1998	NA	<0.005	<0.005	<0.005	<0.005	<0.01	**0.0407**
PX6	4	11/2/1998	NA	<0.005	<0.005	<0.005	<0.005	<0.01	**0.555**
MW-12	11	8/18/2000	NA	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
MW-13	16	8/18/2000	NA	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	21	8/18/2000	NA	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
MW-14	16	8/18/2000	NA	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**2.9**
	21	8/18/2000	NA	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.13**

Abbreviations/Notes:

Total Petroleum Hydrocarbons as gasoline (TPHg) by EPA Method 8015M
Benzene, Toluene, Ethylbenzene, Xylenes by EPA Method 8020
MTBE = Methyl tert-butyl ether by EPA Method 8020
NA = Not analyzed
ND = Concentration below detectable limt
<x = Not detected above x mg/kg
See Attachment C for map of UST confirmation sample locations

CAMBRIA

ATTACHMENT A

Soil Vapor Historical Data and Historical Site Maps

TABLE 1 CONCENTRATIONS OF HYDROCARBON CONSTITUENTS IN SOIL VAPOR CHEVRON SS 9-8139, 16304 FOOTHILL BOULEVARD, SAN LEANDRO CALIFORNIA, 29 JUNE 1989

Sample Location	Depth (ft)	Vacuum (in. Hg)	Vacuum Release (min)	Peaks Prior to Benzene[a] (ppm)	Benzene (ppm)	Toluene (ppm)	Total Xylenes (ppm)	Ethyl-benzene (ppm)	Unidentified Peaks After benzene (ppm)[b]	Total Volatile Hydro-carbons (ppm)[c]
V1/A	3	24	15	1	<1	<1	<1	<1	<1	1
V1/B	8	24	0.5	<1	<1	<1	<1	<1	<1	<1
V1/C*	10.5	20	0	<1	<1	<1	<1	<1	<1	<1
V2/A	3	22	15	<1	<1	<1	<1	<1	<1	<1
V2/B	8	21	0.5	1	<1	<1	<1	<1	<1	1
V2/C*	10.5	18	0	1	<1	<1	<1	<1	<1	1
V3/A	3	19	0	<1	<1	<1	<1	<1	<1	<1
V3/B	8	21	1	<1	<1	<1	<1	<1	<1	<1
V3/C*	10.5	21	0.2	<1	<1	<1	<1	<1	<1	<1
V4/A	3	24	20	3	<1	<1	<1	<1	<1	<1
V4/B	8	24	4	5	<1	<1	<1	<1	<1	3
V4/C	10.5	24	15	38	1	<1	<1	<1	<1	5
V5	3	21	15	16	<1	<1	<1	<1	<1	39
V6	3	22	25	3	<1	<1	<1	<1	<1	16
V7	3	23	15	4	<1	<1	<1	<1	<1	3
V8	3	22	15	47	<1	<1	<1	<1	<1	4
V9/A	3	21	3	<1	<1	<1	<1	<1	1	48
V9/B	8	14	0	5	<1	<1	<1	<1	<1	<1
V9/C	10.5	20	0.1	10	<1	<1	<1	<1	<1	5
										10

a. Early peaks from blank data subtracted from total peaks prior to benzene. Quantification based on V-sec:ppm ratio for pentane (see text).
b. Quantification based on V-sec:ppm ratio for benzene (see text).
c. Summation of all detected constituents (see text).
* Hard subsoil encountered at this depth.

c56/98139

TABLE 1 (Cont.)

BLANK DATA

Test Time	Peaks Prior to Benzene (ppm)[b]	Benzene (ppm)	Toluene (ppm)	o-Xylene (ppm)	m,p-Xylene (ppm)	Ethyl-benzene (ppm)	Unidentified Peaks After Benzene (ppm)[c]	Total Volatile Hydro-carbons (ppm)[d]
0816	<1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.1	<1

PERCENTAGE OF STANDARD RECOVERED

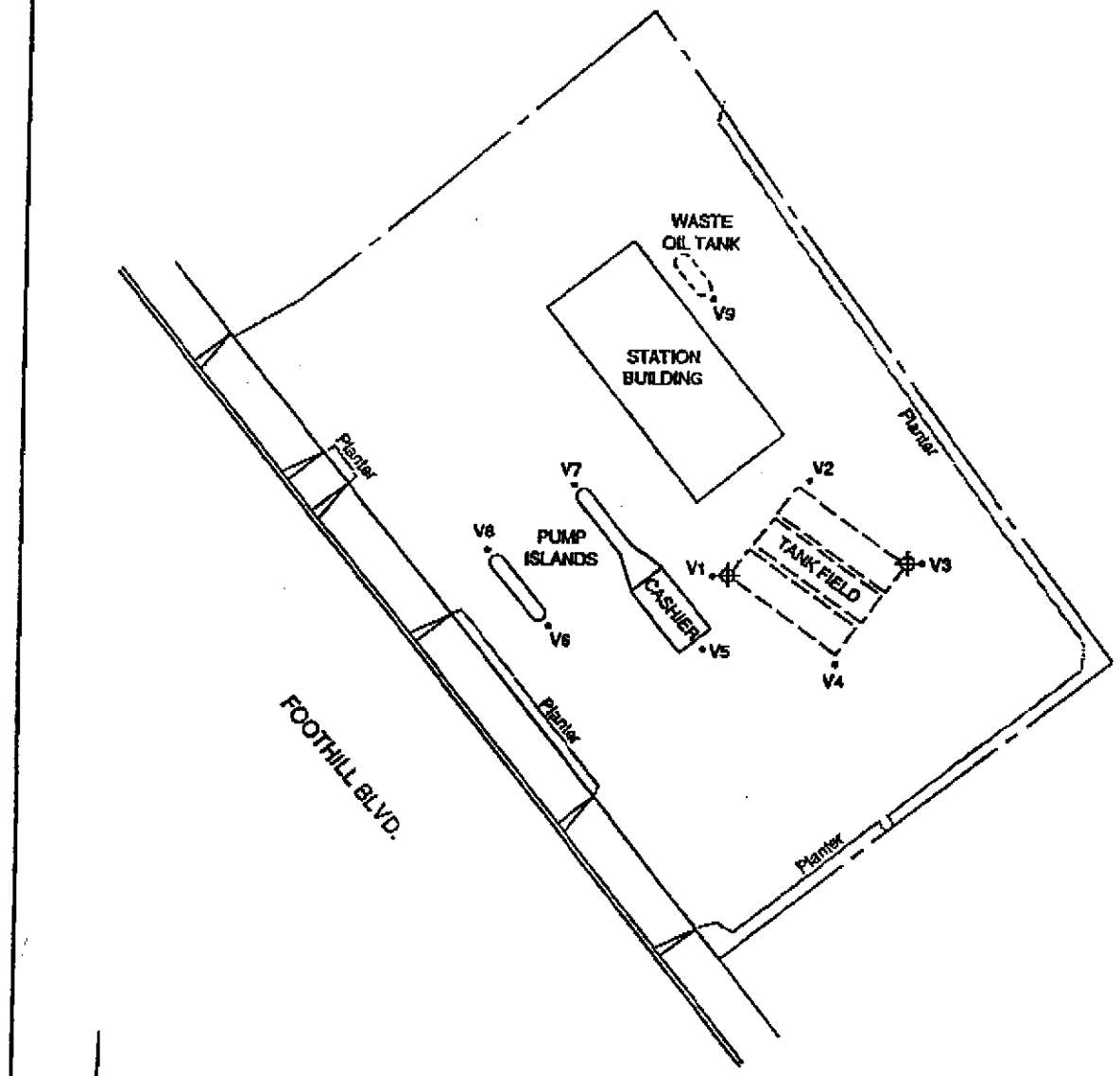
Test Time	Benzene (ppm)	Toluene (ppm)	o-Xylene (ppm)	m,p-Xylene (ppm)	Ethyl-benzene (ppm)	n-Pentane (ppm)	n-Hexane (ppm)	iso-Octane (ppm)
0827	100	100	100	100	100	100	100	100
0846	89	93	93	94	95	79	83	85
1110	98	100	100	100	96	120	96	97
1339	100	100	100	100	98	100	100	100
1525	100	97	86	88	87	110	100	97

GASOLINE STANDARD[d]

Sample	Peaks Prior to Benzene[a] (ppm)	Benzene (ppm)	Toluene (ppm)	o-Xylene (ppm)	m,p-Xylene (ppm)	Ethyl-benzene (ppm)	Unidentified Peaks After benzene (ppm)[b]	Total Volatile Hydro-carbons (ppm)[c]
Chevron Unleaded	710,000	75,000	140,000	14,000	42,000	16,000	290,000	1,300,000

d. Fresh gasoline sample (1 ul of the headspace) analyzed.

c56/98139



EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.
41 Lafayette Circle
Lafayette, CA. 94549

Figure 2. Site plan, showing soil vapor sampling points, Chevron SS 9-8139, San Leandro, California. 29 June 1989.

Drawn	Date
MG	7-13-89
Reviewed	Date
[illegible]	7-13-89

CAMBRIA

ATTACHMENT B

Boring Logs and Well Construction Data

LOG OF EXPLORATORY BORING

PROJECT NUMBER 987158 BORING NO. MW-1

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 PAGE 1 OF 3

BY K. Elliot DATE 11/29/89 SURFACE ELEV. 127.28 ft.

PID (ppm)	RECOVERY (in/in)	BLOW CT. (blws/6")	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
							ASPHALT AND GRAVEL FILL	
							SANDY CLAY (CL), very dark gray (5YR, 3/1); 70-80% low plasticity fines; 15-25% coarse sand; trace fine to coarse gravel; occasional roots; stiff; damp.	
9.1	18/18	5 7 14		5				
8.2	18/18	4 8 15	12/4/89 ▼	10			@ 10': dark grayish brown (10YR, 4/3); trace fine sand.	
9.1	18/18	5 11 18	11/29/89 ▽	15			@ 15': dark yellowish brown (10 YR, 4/4); 5-10% fine sand; very stiff.	
				20				

REMARKS

Boring drilled using eight-inch-diameter hollow-stem augers. Soil samples were collected using a two-inch-diameter modified California split-spoon sampler. The boring was sealed with neat-cement grout from 30 to 41.5 feet, and converted to a two-inch-diameter monitor well. See attached Well Detail.

David C. Elliot RG#4603

LOG OF EXPLORATORY BORING

PROJECT NUMBER 987158 BORING NO. MW-1

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 PAGE 2 OF 3

BY K. Elliot DATE 11/29/89 SURFACE ELEV. 127.28 ft.

PID (ppm)	RECOVERY (in/in)	BLOW CT. (blws/6")	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
7.3	18/18	4 8 13					SANDY CLAY (CL), dark yellowish brown (10 YR, 4/4); 70-80% medium plasticity fines; 20-30% fine sand; stiff; damp.	
3.5	17/18	6 10 25		25			@ 25-32': 1/2" to 3/4" diameter caliche clasts.	
							@ 29-30': water-bearing zone.	
5.2	17/18	6 9 15		30				
6.0	16/18	6 11 23		35			@ 35-36': yellowish brown (10 YR, 5/4); 80-90% low plasticity fines; 10-20% fine sand; very stiff; damp.	
				40				

REMARKS

Boring drilled using eight-inch-diameter hollow-stem augers. Soil samples were collected using a two-inch-diameter modified California split-spoon sampler. The boring was sealed with neat-cement grout from 30 to 41.5 feet, and converted to a two-inch-diameter monitor well. See attached Well Detail.

LOG OF EXPLORATORY BORING

PROJECT NUMBER 987158 BORING NO. MW-1

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 PAGE 3 OF 3

BY K. Elliot DATE 11/29/89 SURFACE ELEV. 127.28 ft.

PID (ppm)	RECOVERY (in/in)	BLOW CT. (blws/6")	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
4.6	16/18	5 6 11		45 50 55 60			SANDY CLAY (CL) (continued). BORING TERMINATED AT 41.5 FEET.	

REMARKS

Boring drilled using eight-inch-diameter hollow-stem augers. Soil samples were collected using a two-inch-diameter modified California split-spoon sampler. The boring was sealed with neat-cement grout from 30 to 41.5 feet, and converted to a two-inch-diameter monitor well. See attached Well Detail.

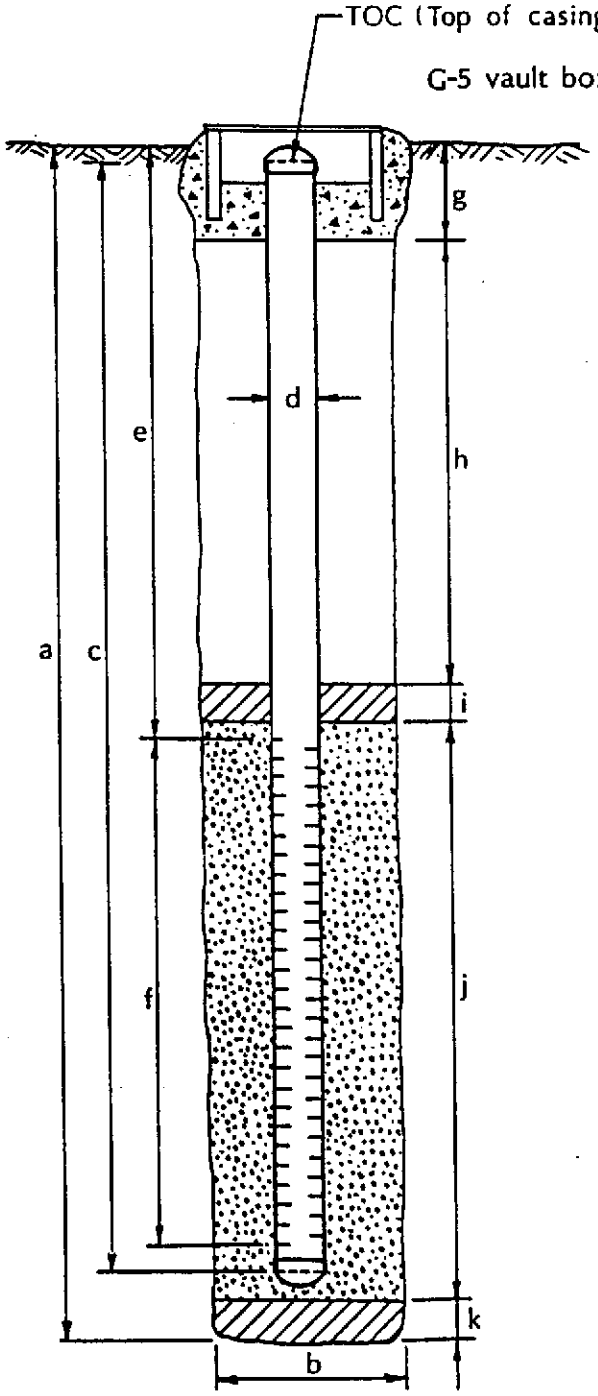
WELL DETAILS

CHEMPRO
A Burlington Environmental Inc Company

CHEMICAL PROCESSORS INC
950 "B" Gilman Street
Berkeley, CA 94710

PROJECT NUMBER 987158
PROJECT NAME SS No. 9-8139
LOCATION 16304 Foothill Blvd.
WELL PERMIT NO. 89676

BORING / WELL NO. MW-1
TOP OF CASING ELEV. 127.09'
GROUND SURFACE ELEV. 127.28'
DATUM MSL
INSTALLATION DATE 12/1/89



EXPLORATORY BORING

a. Total depth 41.5 ft.
b. Diameter 8 in.
Drilling method Hollow-stem Auger

WELL CONSTRUCTION

c. Total casing length 30 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 25 ft.
f. Perforated length 5 ft.
Perforated interval from 25 to 30 ft.
Perforation type Machine Slot
Perforation size 0.020"
g. Surface seal 1 ft.
Seal material Concrete
h. Backfill 19.3 ft.
Backfill material Neat Cement
i. Seal 1.5 ft.
Seal material Bentonite
j. Gravel pack 8.2 ft.
Pack material #3 Sand
k. Bottom seal 11.5 ft.
Seal material Neat Cement

Form prepared by _____

PLATE

LOG OF EXPLORATORY BORING

PROJECT NUMBER 987158 BORING NO. MW-2

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 PAGE 1 OF 2

BY K. Elliot DATE 11/29/89 SURFACE ELEV. 126.37 ft.

PID (ppm)	RECOVERY (in/in)	BLOW CT. (blws/6")	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
							ASPHALT AND DEBRIS FILL	
							SANDY CLAY (CL), brown (10YR, 4/3); 75-85% low plasticity fines; 10-20% fine to coarse sand; trace fine gravel; angular, light colored clasts; stiff; damp.	
58.3	18/18	5 10 12		5				
							@ 9': clay pipe fragments.	
34.1	18/18	4 8 11	12/4/89 ▼	10			CLAYEY SAND (SC), yellowish brown (10YR, 5/4); 15-25% low plasticity fines; 70-80% fine to medium sand; trace fine gravel; stiff; damp.	
20.5	18/18	5 10 15		15			SANDY CLAY (CL), yellowish brown (10YR, 5/4); 75-85% low plasticity fines; 15-25% fine to medium sand; stiff; damp.	
				20				

REMARKS

Boring was drilled using eight-inch-diameter hollow-stem augers. Soil samples were collected using a two-inch-diameter modified California split-spoon sampler. The boring was converted to a two-inch-diameter monitor well. See attached Well Detail.

David C Tifft RG#4603

LOG OF EXPLORATORY BORING

PROJECT NUMBER 987158 BORING NO. MW-2

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 PAGE 2 OF 2

BY K. Elliot DATE 11/29/89 SURFACE ELEV. 126.37 ft.

PID (ppm)	RECOVERY (in/in)	BLOW CT. (blws/6")	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
19.2	18/18	5 9 14					SANDY CLAY (CL) (continued). @ 20': 3/4" diameter caliche clasts.	
19.0	18/18	5 10 22	11/29/89 ▽	25				
24.5	16/18	4 18 29		30			BORING TERMINATED AT 31.5 FEET.	
				35				
				40				

REMARKS

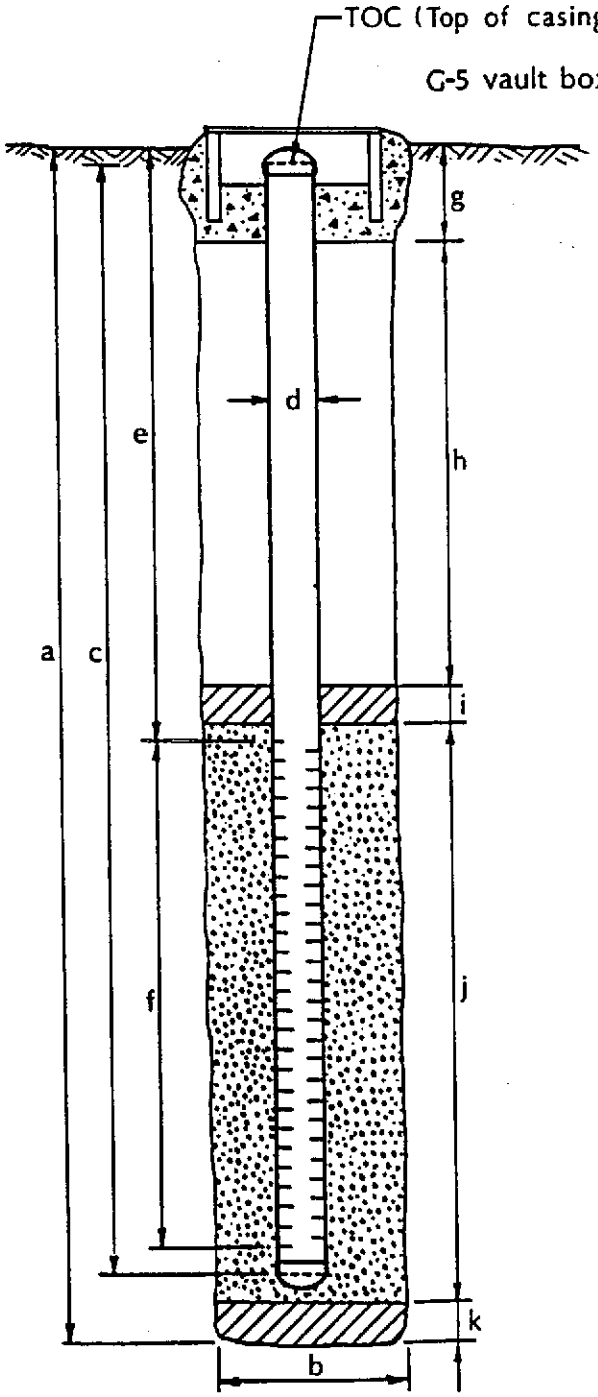
Boring was drilled using eight-inch-diameter hollow-stem augers. Soil samples were collected using a two-inch-diameter modified California split-spoon sampler. The boring was converted to a two-inch-diameter monitor well. See attached Well Detail.

WELL DETAILS

CHEMICAL PROCESSORS, INC
950 "B" Gilman Street
Berkeley, CA 94710

PROJECT NUMBER 987158
PROJECT NAME SS No. 9-8139
LOCATION 16304 Foothill Blvd.
WELL PERMIT NO. 89676

BORING / WELL NO. MW-2
TOP OF CASING ELEV. 125.98'
GROUND SURFACE ELEV. 126.37'
DATUM MSL
INSTALLATION DATE 11/30/89



EXPLORATORY BORING

a. Total depth 31.5 ft.
b. Diameter 8 in.
Drilling method Hollow-stem Auger

WELL CONSTRUCTION

c. Total casing length 30 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 25 ft.
f. Perforated length 5 ft.
Perforated interval from 25 to 30 ft.
Perforation type Machine Slot
Perforation size 0.020"
g. Surface seal 1.5 ft.
Seal material Concrete
h. Backfill 20 ft.
Backfill material Neat Cement
i. Seal 1.5 ft.
Seal material Bentonite
j. Gravel pack 8.5 ft.
Pack material #3 Sand
k. Bottom seal N/A ft.
Seal material N/A

Form prepared by _____

LOG OF EXPLORATORY BORING

PROJECT NUMBER 987158 BORING NO. MW-3

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 PAGE 1 OF 2

BY K. Elliot DATE 12/1/89 SURFACE ELEV. 127.04 ft.

PID (ppm)	RECOVERY (in/in)	BLOW CT. (blws/6")	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
							ASPHALT AND FILL	
							SANDY CLAY (CL), yellowish brown (10YR, 5/4); 60-75% low plasticity fines; 20-30% fine sand; 5-10% coarse sand; very stiff; damp.	
68.4	17/18	9 12 19		5				
193	12/18	11 11 15		10			CLAYEY SAND (SC), olive brown (2.5Y, 4/4); 15-35% low plasticity fines; 60-75% fine to coarse sand; 5-10% fine gravel: angular clasts, dark iron-oxide staining; very stiff; damp.	
229	18/18	8 16 25	12/4/89	15			GRAVELLY SAND (SW), light olive brown (2.5Y, 5/6); 15-25% low plasticity fines; 40-50% fine to coarse sand; 25-35% fine to coarse gravel, 2-3"-thick lenses of coarse gravel; hard; damp; slight hydrocarbon odor.	
	12/12	27 refusal						
	18/18	11 25 30						
3340	18/18	6 7		20			@ 19': moderate hydrocarbon odor.	

REMARKS

Boring was drilled using eight-inch-diameter hollow-stem augers. Soil samples were collected using a two-inch-diameter modified California split-spoon sampler. The boring was sealed with bentonite from 25.5 to 30 feet, and converted to a two-inch-diameter monitor well. See attached Well Detail.

David C. Wright RG#4603

LOG OF EXPLORATORY BORING

PROJECT NUMBER 987158 BORING NO. MW-3

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 PAGE 2 OF 2

BY K. Elliot DATE 12/1/89 SURFACE ELEV. 127.04 ft.

PID (ppm)	RECOVERY (in/in)	BLOW CT. (blws/6")	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
		17					SANDY CLAY (CL), light olive brown (2.5Y, 5/6); 55-65% low plasticity fines; 25-35% fine to medium sand; trace coarse sand; trace coarse gravel; green mottling; very stiff; damp.	
117	18/18	5						
		13						
		18						
			12/1/89 ▽				@ 24': auger chatter.	
							GRAVELLY CLAY (CL), dark yellowish brown (10YR, 4/4); 65-80% nonplastic fines; 10-15% coarse sand; 10-20% fine to coarse gravel; damp.	
				25				
37.8	18/18	5					SANDY CLAY (CL), yellowish brown (10YR, 5/4); 65-80% medium plasticity fines; 15-25% fine to coarse sand; 5-10% fine gravel; stiff; damp.	
		5						
		9						
71.8	17/18	7					@ 28.5-30': 70-80% medium plasticity fines; 20-30% fine to coarse sand.	
		12						
		22					BORING TERMINATED AT 30 FEET.	
				30				
				35				
				40				

REMARKS

Boring was drilled using eight-inch-diameter hollow-stem augers. Soil samples were collected using a two-inch-diameter modified California split-spoon sampler. The boring was sealed with bentonite from 25.5 to 30 feet, and converted to a two-inch-diameter monitor well. See attached Well Detail.

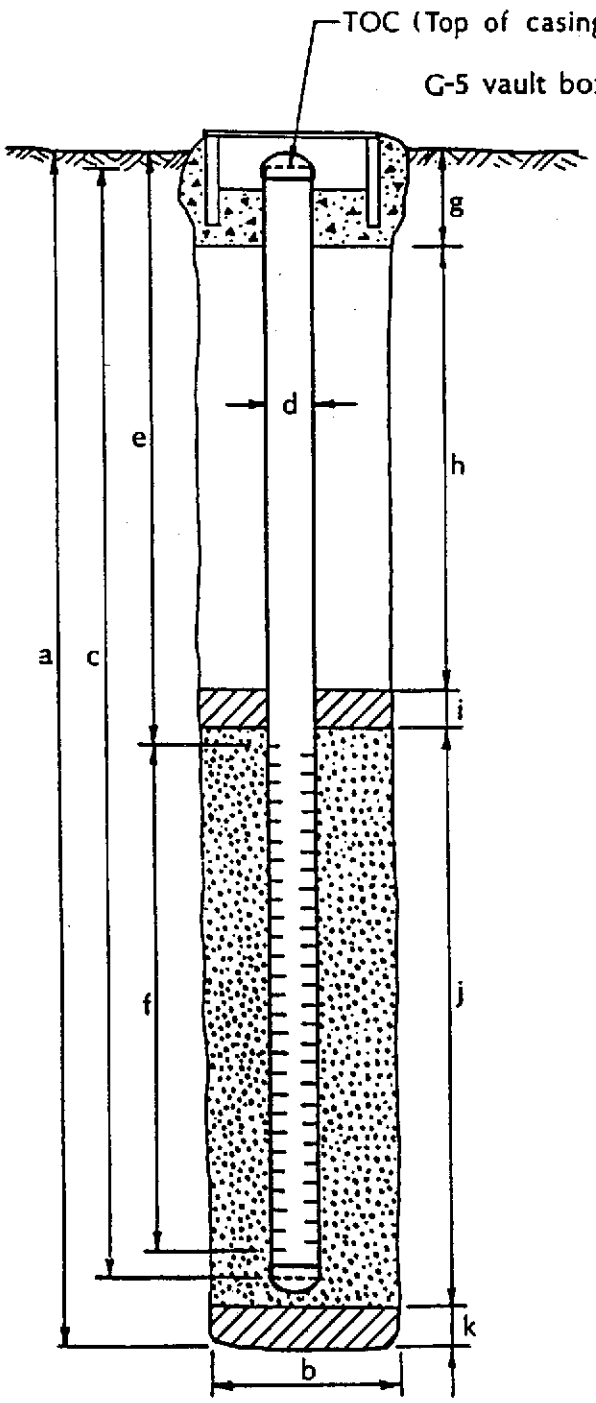
WELL DETAILS

CHEMPRO
A Burlington Environmental Inc Company

CHEMICAL PROCESSORS, INC.
950 "B" Gilman Street
Berkeley, CA 94710

PROJECT NUMBER 987158
PROJECT NAME SS #9-8139
LOCATION 16304 Foothill Blvd.
WELL PERMIT NO. 89676

BORING / WELL NO. MW-3
TOP OF CASING ELEV. 126.84'
GROUND SURFACE ELEV. 127.04'
DATUM MSL
INSTALLATION DATE 12/1/89



EXPLORATORY BORING

a. Total depth 30 ft.
b. Diameter 8 in.
Drilling method Hollow-stem Auger

WELL CONSTRUCTION

c. Total casing length 25.5 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 15.5 ft.
f. Perforated length 10 ft.
Perforated interval from 15.5 to 25.5 ft.
Perforation type Machine Slot
Perforation size 0.020"
g. Surface seal 1 ft.
Seal material Concrete
h. Backfill 9.5 ft.
Backfill material Neat Cement
i. Seal 2 ft.
Seal material Bentonite
j. Gravel pack 13 ft.
Pack material #3 Sand
k. Bottom seal 4.5 ft.
Seal material Bentonite

Form prepared by _____

PLATE

LOG OF EXPLORATORY BORING

PROJECT NUMBER 987158 BORING NO. MW-4

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 PAGE 1 OF 2

BY K. Elliot DATE 11/30/89 SURFACE ELEV. 125.43 ft.

PID (ppm)	RECOVERY (in/in)	BLOW CT. (blws/6")	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
							ASPHALT AND FILL SANDY CLAY (CL), very dark grayish brown (10YR, 3/2); 75-85% low plasticity fines; 10-20% coarse sand; trace fine gravel; angular clasts; very stiff; damp.	
43.8	16/18	7 13 20		5			@ 5.5': dark yellowish brown (10 YR, 4/6); 60-70% low plasticity fines; 20-30% fine sand; trace coarse sand; trace angular gravel; very stiff; damp.	
51.8	18/18	4 5 9		10			@ 10': decreasing sand content.	
1600	18/18	6 8 17	12/4/89 ▼	15			@ 15': green mottling; moderate hydrocarbon odor.	
			11/30/89 ▽	20				

REMARKS

Boring was drilled using eight-inch-diameter hollow-stem augers. Soil samples were collected using a two-inch-diameter modified California split-spoon sampler. The boring was sealed with neat cement grout from 22.75 to 26.5 feet, and converted to a two-inch-diameter monitor well. See attached Well Detail.

David C Tight RG#4603

LOG OF EXPLORATORY BORING

PROJECT NUMBER 987158 BORING NO. MW-4

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 PAGE 2 OF 2

BY K. Elliot DATE 11/30/89 SURFACE ELEV. 125.43 ft.

PID (ppm)	RECOVERY (in/in)	BLOW CT. (blws/6")	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
74.9	14/18	5 5 11					SANDY CLAY (CL) (continued). @ 20': damp; no hydrocarbon odor.	
103	12/18	4 5 8		25 30 35 40			@ 25': 40-50% fine to medium sand; trace angular gravel. BOTTOM OF BORING AT 26.5 FEET.	

REMARKS

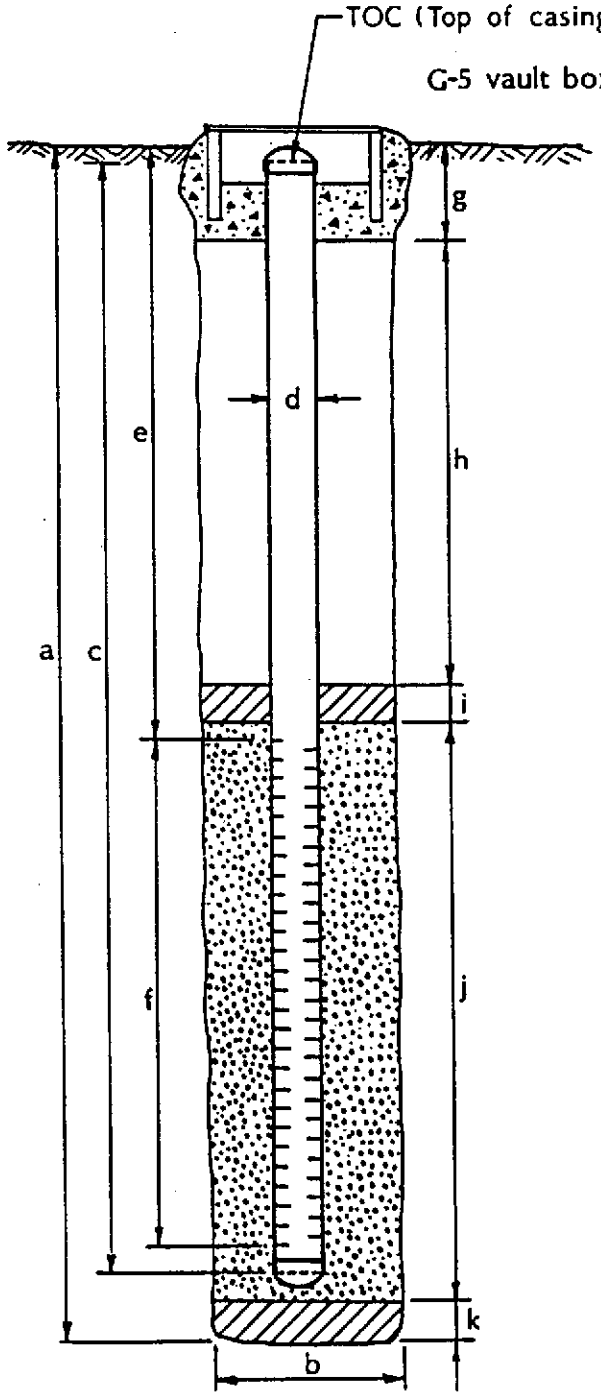
Boring was drilled using eight-inch-diameter hollow-stem augers. Soil samples were collected using a two-inch-diameter modified California split-spoon sampler. The boring was sealed with neat cement grout from 22.75 to 26.5 feet, and converted to a two-inch-diameter monitor well. See attached Well Detail.

WELL DETAILS

CHEMICAL PROCESSORS, INC
950 "B" Gilman Street
Berkeley, CA 94710

PROJECT NUMBER 987158
PROJECT NAME SS #9-8139
LOCATION 16304 Foothill Blvd.
WELL PERMIT NO. 89676

BORING / WELL NO. MW-4
TOP OF CASING ELEV. 125.22'
GROUND SURFACE ELEV. 125.43'
DATUM MSL
INSTALLATION DATE 12/1/89



EXPLORATORY BORING

a. Total depth 26.5 ft.
b. Diameter 8 in.
Drilling method Hollow-stem Auger

WELL CONSTRUCTION

c. Total casing length 22 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 12 ft.
f. Perforated length 10 ft.
Perforated interval from 12 to 22 ft.
Perforation type Machine Slot
Perforation size 0.020"
g. Surface seal 1 ft.
Seal material Concrete
h. Backfill 9 ft.
Backfill material Neat Cement
i. Seal 1 ft.
Seal material Bentonite
j. Gravel pack 11.75 ft.
Pack material #3 Sand
k. Bottom seal 3.75 ft.
Seal material Neat Cement

Form prepared by _____

PLATE

LOG OF EXPLORATORY BORING

PROJECT NUMBER 1158 — BORING NO. MW-5

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 — PAGE 1 OF 2

BY D. Maupin — DATE 5/17/90 — SURFACE ELEV. 126.12 ft.

PID (ppm)	POCKET PENETRO-METER ton/sq ft	BLOW CT. (blws/6")	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
							ASPHALT. FILL.	
10.2	3.0	6 13 24		5			SANDY CLAY (CL), yellowish brown (10YR, 5/8); 50-60% moderate to high plasticity fines; 40-50% fine to coarse sand; trace very fine gravel; very stiff; damp; no product odor.	
15.5		5 8 11		10			@ 10': light olive brown (2.5Y, 5/4); 60-70% high plasticity fines; 30-40% fine to coarse sand; trace fine gravel; very stiff; damp; no product odor.	
4622		6 11 23	5-17-90 ▼	15			CLAYEY SAND (SC) , dark yellowish brown (10YR, 4/6); 30-40% moderate to high plasticity fines; 40-50% fine to coarse sand; 10-20% fine gravel; dense; damp; strong product odor. @ 17': 40-50% moderate to high plasticity fines; 50-60% fine to coarse sand; medium dense; strong product odor. @ 17.5-18.5': gravelly sand lense; 50-60% fine to coarse sand; 20-30% fine gravel.	
3418	2.7	NA	▽					
	2.5	NA	5-17-90	20			@ 18': olive gray (5Y, 4/2); medium dense; wet; strong product odor. @ 19.5': gray coated worm holes, dominantly vertical.	

REMARKS

Boring was drilled to 28.5' using 6.5" diameter hollow-stem augers. Soil samples were collected at 5' intervals with a 2" diameter modified California split-spoon sampler for the upper 16.5' of the boring. From 16.5' to 30' soil samples were collected using a 2.5" diameter Moss continuous sampler. A groundwater monitoring well was installed using 2" diameter PVC casing (see attached well detail).

David C. Tiglet RG# 4603 Exp: 6/91

LOG OF EXPLORATORY BORING

PROJECT NUMBER 1158 BORING NO. MW-5

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 PAGE 2 OF 2

BY D. Maupin DATE 5/17/90 SURFACE ELEV. 126.12 ft.

PID (ppm)	POCKET PENETRO-METER ton/sq ft	BLOW CT. (blws/6")	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
37.2	2.5	NA					CLAYEY SAND (SC), continued. @ 20': yellowish brown (10YR, 5/6); 35-45% moderate to high plasticity fines; 40-50% fine to coarse sand; 10-15% fine to medium gravel; Mn-oxide staining in soil; medium dense; damp to moist; no product odor.	
		NA						
40.4		NA					@ 21.5': damp to moist, no product odor.	
				25				
40.7	1.5	NA					SANDY CLAY (CL), dark yellowish brown (10YR, 4/4); 65-75% high plasticity fines; 25-35% fine to coarse sand; trace fine gravel, subrounded to rounded; very stiff; moist; no product odor.	
	3.8	NA						
22.1	>4.0	NA					@ 28.5': hard; no product odor.	
				30			BORING TERMINATED AT 28.5' AND SAMPLED TO 30'.	
				35				
				40				

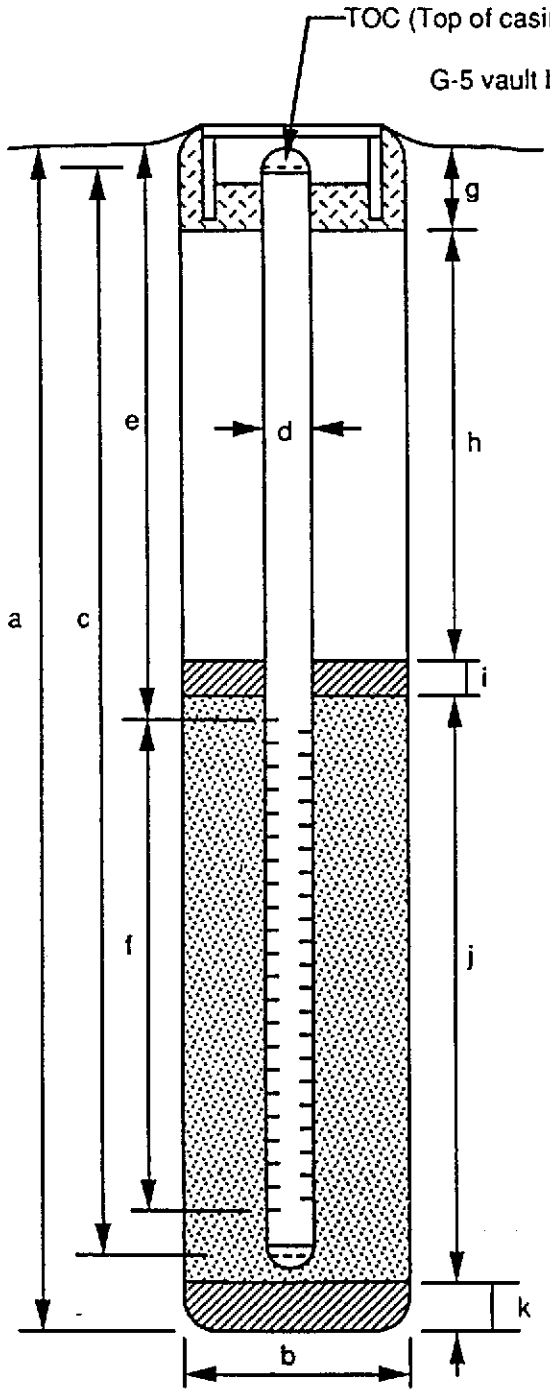
REMARKS

Boring was drilled to 28.5' using 6.5" diameter hollow-stem augers. Soil samples were collected at 5' intervals with a 2" diameter modified California split-spoon sampler for the upper 16.5' of the boring. From 16.5' to 30' soil samples were collected using a 2.5" diameter Moss continuous sampler. A groundwater monitoring well was installed using 2" diameter PVC casing (see attached well detail).

WELL DETAILS

PROJECT NUMBER 1158
PROJECT NAME Chevron SS No. 9-8139
LOCATION 16304 Foothill Boulevard, San Leandro
WELL PERMIT NO. 90281

BORING / WELL NO. MW-5
TOP OF CASING ELEV. 125.85'
GROUND SURFACE ELEV. 126.12'
DATUM MSL
INSTALLATION DATE 5-17-90



EXPLORATORY BORING

a. Total depth 30 ft.
b. Diameter 6.5 in.
Drilling method Hollow-Stem Auger

WELL CONSTRUCTION

c. Total casing length 23.9 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 14.3 ft.
f. Perforated length 9.4 ft.
Perforated interval from 14.3 to 23.7 ft.
Perforation type Machine Slotted PVC
Perforation size 0.020 inch
g. Surface seal 1.5 ft.
Material Concrete
h. Backfill 9.5 ft.
Material Bentonite-Cement Grout
i. Seal 2 ft.
Material Bentonite
j. Gravel pack 12.5 ft.
Gravel pack interval from 13 to 25.5 ft.
Material #3 Sand
k. Bottom seal/fill 4.5 ft.
Material Bentonite

Form prepared by DLM

DcT

LOG OF EXPLORATORY BORING

PROJECT NUMBER 1158 — BORING NO. MW-6

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 — PAGE 1 OF 2

BY D. Maupin — DATE 5/14/90 — SURFACE ELEV. 124.83 ft.

PID (ppm)	POCHET PENETRO-METER ton/sq ft	BLOW CT. (blws/6")	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
		NA					ASPHALT. FILL: olive green; low plasticity fines, sand, and gravel. @ 1.5': black (5YR, 2.5/1); low plasticity fines, fine sand, and fine gravel; stiff; damp; slight organic odor.	
		NA						
22.8	2.5	4		5			SANDY CLAY (CL), very dark grayish brown (10YR, 3/2); 65-75% high plasticity fines; 15-20% fine sand; 10-15% fine gravel; stiff; damp; no product odor.	
		8						
		22						
		NA						
		NA					@ 8': dark brown (7.5YR, 3/4); Mn-oxide staining on sand and gravel grains.	
0.0	4.0	11		10			@ 10': hard; damp; no product odor.	
		17						
		26						
		NA					@ 11.5': olive brown (2.5Y, 4/4); 50-60% high plasticity fines; 30-40% fine to coarse sand; trace fine gravel; damp; no product odor.	
	1.5	NA						
222	2.5	8	5-16-90	15			CLAYEY SAND (SC), dark grayish brown (2.5Y, 4/2); 30-40% moderate to high plasticity fines; 60-70% fine to coarse sand; trace fine gravel; very dense; damp; no product odor.	
		19						
		32						
0.0	2.8	NA						
		NA					SANDY CLAY (CL), dark yellowish brown (10YR, 3/6); 50-60% high plsticity fines; 25-35% fine to coarse sand; 5-25% fine gravel; stiff; damp; no product odor.	
				20				

REMARKS

Boring was drilled to 30' using 6.5" diameter hollow-stem augers. Soil samples were collected at 5' intervals and from 30' to 34' with a 2" diameter modified California split-spoon sampler. Between 5' intervals, soil samples were collected with a 2.5" diameter Moss continuous sampler. A groundwater monitoring well was installed using 2" diameter PVC casing (see attached well detail).

David C. Tiley RG#4603 Exp: 6/91

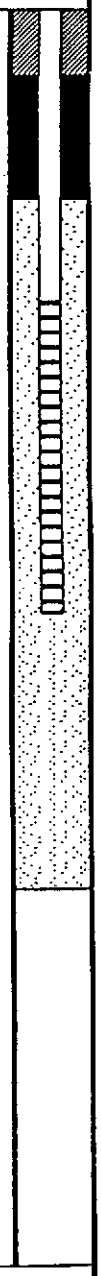
LOG OF EXPLORATORY BORING

PROJECT NUMBER 1158 BORING NO. MW-6

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 PAGE 2 OF 2

BY D. Maupin DATE 5/14/90 SURFACE ELEV. 124.83 ft.

PID (ppm)	POCKET PENETRO-METER ton/sq ft	BLOW CT. (blws/6")	DESCRIPTION
0.0		6 10 21	@ 20': 60-70% high plasticity fines; 30-40% fine to medium sand; very stiff; damp; no product odor.
0.0		NA	@ 21.5': sand grains Mn-oxide stained.
0.0	4.0	NA	5-14-90 ▽ CLAYEY SAND (SC), yellowish brown (10YR, 5/8); 25-35% moderate to high plasticity fines; 50-60% fine to coarse sand; trace fine gravel; sand and gravel Mn-oxide stained; dense; damp; no product odor.
0.0		5 15 18	25 @ 25': dense; moist; no product odor.
		NA	@ 26.5': 20-30% moderate to high plasticity fines; 50-60% fine to coarse sand; 20-30% fine to medium gravel; Fe- and Mn-oxide staining.
	4.0	NA	
0.0	4.0	7 14 25	30 SANDY CLAY (CL), dark yellowish brown (10YR, 4/4); 60-70% high plasticity fines; 20-30% fine to coarse sand; 5-10% fine gravel; stiff; damp; no product odor.
		NA	
	3.0	17 27 33	GRAVELLY CLAY (CL), yellowish brown (10yr, 5/4); 45-55% high plasticity fines; 20-30% fine to coarse sand; 25-30% fine to medium gravel; Fe- and Mn-oxide stained sand and gravel; hard, damp to wet; no product odor.
			35 BORING TERMINATED AT 30' AND SAMPLED TO 34'.
			40



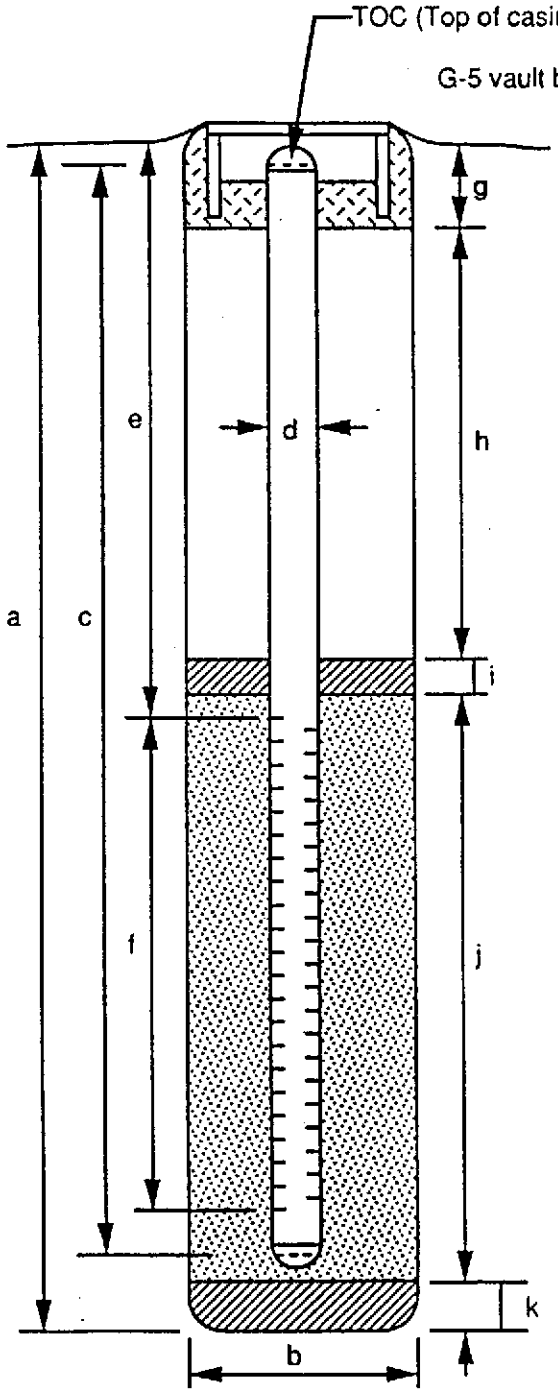
REMARKS

Boring was drilled to 30' using 6.5" diameter hollow-stem augers. Soil samples were collected at 5' intervals and from 30' to 34' with a 2" diameter modified California split-spoon sampler. Between 5' intervals, soil samples were collected with a 2.5" diameter Moss continuous sampler. A groundwater monitoring well was installed using 2" diameter PVC casing (see attached well detail).

WELL DETAILS

PROJECT NUMBER 1158
PROJECT NAME Chevron SS No. 9-8139
LOCATION 16304 Foothill Boulevard, San Leandro
WELL PERMIT NO. 90281

BORING / WELL NO. MW-6
TOP OF CASING ELEV. 124.18'
GROUND SURFACE ELEV. 124.83'
DATUM MSL
INSTALLATION DATE 5-14-90



EXPLORATORY BORING

a. Total depth 34 ft.
b. Diameter 6.5 in.
Drilling method Hollow-Stem Auger

WELL CONSTRUCTION

c. Total casing length 29.2 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 24.6 ft.
f. Perforated length 5 ft.
Perforated interval from 24.6 to 29.6 ft.
Perforation type Machine Slotted PVC
Perforation size 0.020 inch
g. Surface seal 1.5 ft.
Material Concrete
h. Backfill 19.5 ft.
Material Bentonite-Cement Grout
i. Seal 2 ft.
Material Bentonite
j. Gravel pack 11 ft.
Gravel pack interval from 23 to 34 ft.
Material #3 Sand
k. Bottom seal/fill -- ft.
Material None

Form prepared by DLM

DCT

LOG OF EXPLORATORY BORING

PROJECT NUMBER 1158 BORING NO. MW-7

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 PAGE 1 OF 2

BY D. Maupin DATE 5/15/90 SURFACE ELEV. 127.47 ft.

PID (ppm)	POCHET PENETRO-METER ton/sq ft	BLOW CT. (blws/6")	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
							ASPHALT. FILL: olive green; low plasticity fines, sand, and gravel.	
1155		18 32 44		5			CLAYEY SAND (SC), dark yellowish brown (10YR, 4/4); 30-40% moderate to high plasticity fines; 60-70% fine to coarse sand; very dense; damp; no product odor.	
339		8 12 15		10			SANDY CLAY (CL), mottled dark yellowish brown (10YR, 4/6) and olive (5Y, 4/4); 50-60% high plasticity fines; 35-45% fine to coarse sand; 5-10% fine gravel; very stiff; damp; no product odor.	
430		7 10 19		15			@ 15': yellowish brown (10YR, 5/4); 50-60% moderate to high plasticity fines; 40-50% fine to coarse sand; trace fine gravel.	
			5-16-90 ▼	20			INTERBEDDED SANDY CLAY AND CLAYEY SAND (CL/SC).	

REMARKS

Boring was drilled to 30' using 6.5" diameter hollow-stem augers. Soil samples were collected to 31.5' using a 2" diameter modified California split-spoon sampler. A groundwater monitoring well was installed using 2" diameter PVC casing (see attached well detail).

David C. Tyler RG#4603 Exp. 6/91

LOG OF EXPLORATORY BORING

PROJECT NUMBER 1158 BORING NO. MW-7

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 PAGE 2 OF 2

BY D. Maupin DATE 5/15/90 SURFACE ELEV. 127.47 ft.

PID (ppm)	POCKET PENETRO-METER ton/sq ft	BLOW CT. (blws/6")	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
114		6 16 17					INTERBEDDED SANDY CLAY AND CLAYEY SAND (CL/SC), dark yellowish brown (10YR, 4/4) to yellowish brown (10YR, 5/8); CL: 50-60% moderate to high plasticity fines; 40-50% fine to coarse sand; trace fine gravel; SC: 30-40% moderate plasticity fines; 60-70% fine to coarse sand; trace fine gravel; very dense; damp; no product odor.	
1.9		10 21 32	▽ 5-15-90	25			CLAYEY SAND (SC), dark yellowish brown (10YR, 3/4); 35-45% moderate to high plasticity fines; 55-65% fine to coarse sand; very dense; damp to wet; no product odor. @ 26.4': SANDY CLAY (CL), dark brown (10YR, 3/3); 60-70% high plasticity fines; 30-40% fine to coarse sand, angular grains, Mn-oxide staining; damp; no product odor.	
4.1		9 18 21		30			CLAYEY SAND (SC), light olive brown (2.5Y, 5/6); 20-30% moderate plasticity fines; 70-80% fine to coarse sand; trace fine gravel; dense; damp; no product odor. BORING TERMINATED AT 30' AND SAMPLED TO 31.5'.	
				35				
				40				

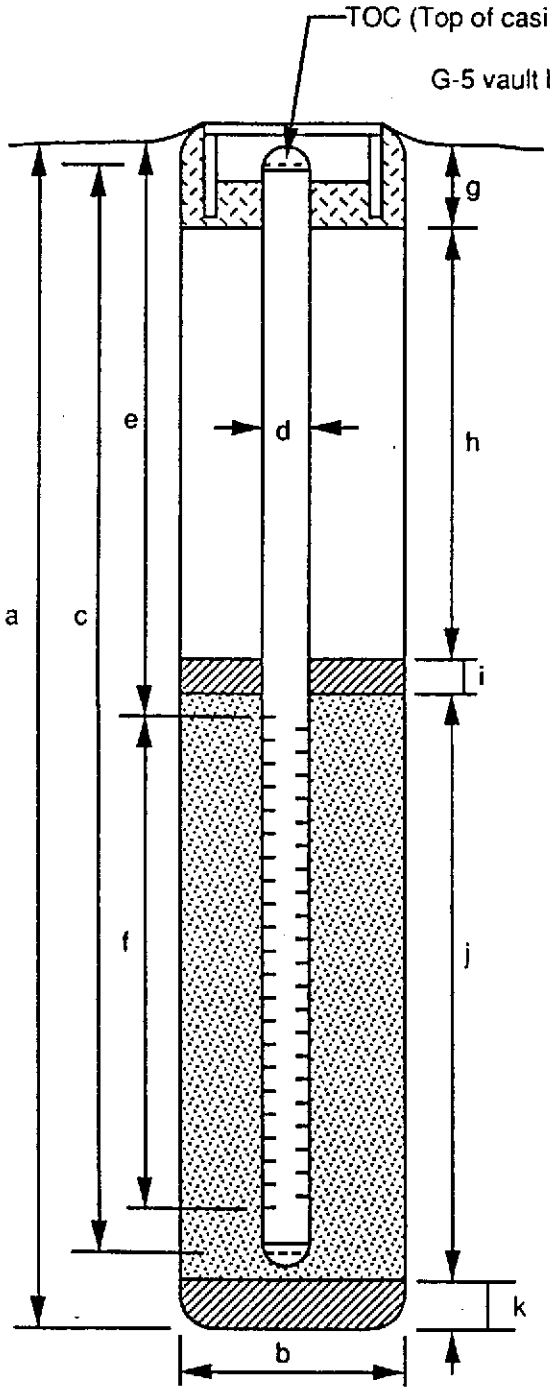
REMARKS

Boring was drilled to 30' using 6.5" diameter hollow-stem augers. Soil samples were collected to 31.5' using a 2" diameter modified California split-spoon sampler. A groundwater monitoring well was installed using 2" diameter PVC casing (see attached well detail).

WELL DETAILS

PROJECT NUMBER 1158
PROJECT NAME Chevron SS No. 9-8139
LOCATION 16304 Foothill Boulevard, San Leandro
WELL PERMIT NO. 90281

BORING / WELL NO. MW-7
TOP OF CASING ELEV. 126.86'
GROUND SURFACE ELEV. 127.47'
DATUM MSL
INSTALLATION DATE 5-15-90



EXPLORATORY BORING

a. Total depth 31.5 ft.
b. Diameter 6.5 in.
Drilling method Hollow-Stem Auger

WELL CONSTRUCTION

c. Total casing length 26 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 21.5 ft.
f. Perforated length 5 ft.
Perforated interval from 21.5 to 26.5 ft.
Perforation type Machine Slotted PVC
Perforation size 0.020 inch
g. Surface seal 1.5 ft.
Material Concrete
h. Backfill 17 ft.
Material Bentonite-Cement Grout
i. Seal 2 ft.
Material Bentonite
j. Gravel pack 6.5 ft.
Gravel pack interval from 20.5 to 27 ft.
Material #3 Sand
k. Bottom seal/fill 4.5 ft.
Material Bentonite

Form prepared by DLM

DCT

LOG OF EXPLORATORY BORING

PROJECT NUMBER 1158 BORING NO. MW-8

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 PAGE 1 OF 2

BY D. Maupin DATE 8/30/90 SURFACE ELEV. 124.25 ft.

PID (ppm)	POCKET PENETRO-METER ton/sq ft	BLOW CT. (blws/6")	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
							FILL DIRT.	
13.8		7 14 19		5			CLAYEY SAND (SC), dark yellowish brown (10YR, 4/6); 30-40% moderate plasticity fines; 45-55% fine to coarse sand, angular; 5-15% fine gravel, angular; dense; damp; no product odor. @ 8.2-8.5': medium to coarse gravel lense.	
26.1		7 10 17		10			@ 10': 40-50% moderate plasticity fines; 50-60% fine to coarse sand, angular; trace gravel, angular. @ 12': 35-45% moderate plasticity fines; 5-10% fine gravel, subangular; some sand and gravel grains Fe- and Mn-oxide stained. @ 13': yellowish brown (10YR, 5/6); 35-45% low to moderate plasticity fines; 45-55% fine to coarse sand, angular; 5-15% fine to medium gravel, subangular; sand and gravel Fe- and Mn-oxide stained; some vertical plant rootlets.	
13.2		11 14 18	8-30-90 ▼	15			@ 15.2': 1"x 2" siliceous gravel clast; dense. @ 15.4': 30-40% moderate plasticity fines; 15-25% fine to medium gravel, subangular. @ 18': sand and gravel moderately Fe- and Mn-oxide stained.	
				20				

REMARKS

Boring was drilled to 32.5' using 8" diameter hollow-stem augers. Soil samples were collected at 5' intervals and from 32.5' to 34' using a 2" diameter modified California split-spoon sampler. From 6.5' to 32.5' the boring was continuously sampled between 5' intervals using a 2.5" diameter Moss sampler and a 1.5" diameter Std. Penetration sampler. A groundwater monitoring well was installed using 2" diameter PVC casing (see attached well detail).

David C. Tiglet RG#4603 Exp. 6/91

LOG OF EXPLORATORY BORING

PROJECT NUMBER 1158 BORING NO. MW-8

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 PAGE 2 OF 2

BY D. Maupin DATE 8/30/90 SURFACE ELEV. 124.25 ft.

PID (ppm)	POCKET PENETRO-METER ton/sq ft	BLOW CT. (blws/6")	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
17.3		3 6 10					CLAYEY SAND (SC), continued. @ 20.1-22': 40-50% high plasticity fines; 45-55% dominantly fine to coarse sand, angular; 5-10% fine gravel; damp to moist; medium dense. @ 22.3': some caliche nodules and stringers. @ 24': 30-40% high plasticity fines; 50-60% fine to coarse sand, angular; 10-20% fine gravel, subangular to subrounded; sand and gravel low to moderate Fe- and Mn-oxide stained; moist; no product odor.	
			8-30-90 ▽	25			@ 25': wet.	
13.7		4 5 7					@ 26': SANDY CLAY (CL), strong brown (7.5yr, 4/6); 50-60% high plasticity fines; 40-50% fine to coarse sand, dominantly fine to medium; trace fine gravel; stiff; moist to wet; no product odor. @ 28.5': SILTY SAND (SM), dark yellowish brown (10YR, 4/4); 35-45% low to moderate plasticity fines; 55-65% fine to coarse sand, dominantly fine to medium; trace gravel; damp to moist; no product odor.	
11.2		8 12 16		30			@ 31': CLAYEY SAND (SC), yellowish brown (10YR, 5/8); 20-30% moderate to high plasticity fines; 60-70% fine to coarse sand; 5-15% fine gravel; wet; dense; no product odor. @ 32': damp; no product odor.	
0		9 18 22					BORING TERMINATED AT 32.5' AND SAMPLED TO 34'.	
				35				
				40				

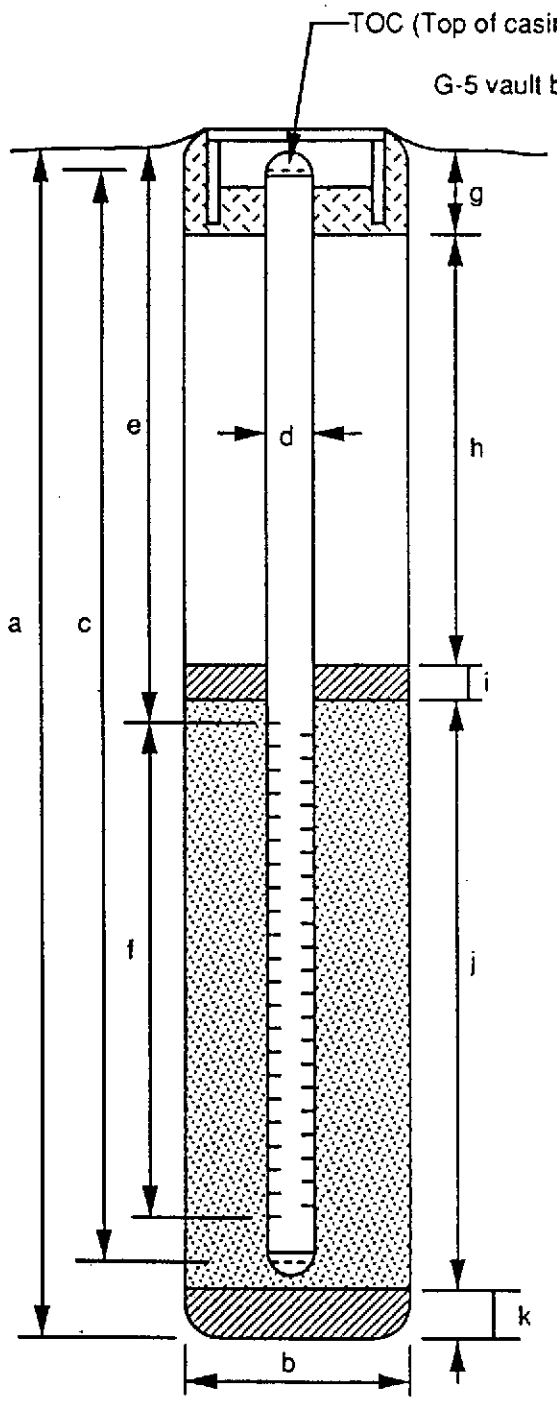
REMARKS

Boring was drilled to 32.5' using 8" diameter hollow-stem augers. Soil samples were collected at 5' intervals and from 32.5' to 34' using a 2" diameter modified California split-spoon sampler. From 6.5' to 32.5' the boring was continuously sampled between 5' intervals using a 2.5" diameter Moss sampler and a 1.5" diameter Std. Penetration sampler. A groundwater monitoring well was installed using 2" diameter PVC casing (see attached well detail).

WELL DETAILS

PROJECT NUMBER 1158
PROJECT NAME Chevron SS No. 9-8139
LOCATION 16304 Foothill Boulevard, San Leandro
WELL PERMIT NO. 90519

BORING / WELL NO. MW-8
TOP OF CASING ELEV. 123.61'
GROUND SURFACE ELEV. 124.25'
DATUM MSL
INSTALLATION DATE 8-30-90



EXPLORATORY BORING

a. Total depth 34 ft.
b. Diameter 8 in.
Drilling method Hollow-Stem Auger

WELL CONSTRUCTION

c. Total casing length 31 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 21.5 ft.
f. Perforated length 9 ft.
Perforated interval from 21.5 to 30.5 ft.
Perforation type Machine Slotted PVC
Perforation size 0.020 inch
g. Surface seal 1 ft.
Material Concrete
h. Backfill 16.5 ft.
Material Bentonite-Cement Grout
i. Seal 3 ft.
Material Bentonite
j. Gravel pack 11 ft.
Gravel pack interval from 20.5 to 31.5 ft.
Material #3 Sand
k. Bottom seal/fill 2.5 ft.
Material Bentonite

Form prepared by DLM

DCT

BORING LOG

PROJ. No.: CHV-149/306
PROJ. NAME: Chevron Service Station No. 9-8139
16304 Foothill Boulevard, San Leandro, CA
DRAWING No. : A1030603 PAGE: 1 OF 2

MONITORING WELL MW-9
TOP OF CASING : 124.20Ft.(MSL)
TOTAL BORING DEPTH 27Ft.
BY: KSF DATE: 6/11/91

Pocket Pene-trometer TSF	Recovery (In./In.)	Blow Count (blows /6")	Sample Depth (feet)	Well Detail	Strati-graphic Column	Description
			0		FILL	SILTY CLAY, FILL, brown, silty clay, with sand, gravel, and cobbles.
					CL	SILTY CLAY (CL), dark brown (7.5Y, 3/3); 80-90% low plasticity fines; 10-20% very fine to coarse sand; hard; trace limonite nodules; slightly moist; no product odor.
>4.5	18/18	2 8 13	5			
			10			●10Ft: dark yellowish brown (10Y, 3/4), stiff.
2.2	18/18	4 4 9				
			15			●15Ft: 70-80% low plasticity fines; 20-30% fine to very coarse sand; trace fine gravel; very stiff; dry; slight product odor.
3.0 >4.5	18/18	4 8 9				●16Ft: 75-85% low plasticity fines; 10-20% very fine to coarse sand; 0-5% fine gravel; hard; dry; no product odor.
				▽	SC	
			20			

NOTES: Boring was drilled with 8" outside diameter hollow-stem augers. Soil samples were collected at 5ft intervals using a 2" diameter modified-California split-spoon sampler with brass liners. A groundwater monitoring well was installed using 2" diameter sch 40 PVC and 0.010" machine slotted PVC screen.

Donald Gibbs RG#4603, Exp 6/30/92

BORING LOG

PROJ. No.: CHV-149/306
PROJ. NAME: Chevron Service Station No. 9-8139
16304 Foothill Boulevard, San Leandro, CA
DRAWING No. : A1030604 PAGE: 2 OF 2

MONITORING WELL MW-9
TOP OF CASING : 124.20Ft(MSL)
TOTAL BORING DEPTH 27Ft.
BY: KSF DATE: 6/11/91

Pocket Pene-trometer TSF	Recovery (in./in.)	Blow Count (blows /6")	Sample Depth (feet)	Well Detail	Strati-graphic Column	Description
3.5	18/18	5 13 18	20		SC	SANDY CLAY (SC), Dark yellowish brown (10YR, 3/4); 60-70% low plasticity fines; 30-40% fine to very coarse sand, trace fine gravel; stiff; limonite nodules; caliche deposits; wet; no product odor.
					CL	SILTY CLAY (CL), dark yellowish brown (10Y, 3/4), 85-95% low plasticity fines; 5-15% very fine to fine sand; trace limonite nodules; trace Fe-oxide staining; stiff; slightly moist; no product odor.
1.5	18/18	2 4 6	25			
						BORING TERMINATED AT 27.0 FEET
			30			
			35			
			40			

NOTES: Boring was drilled with 8" outside diameter hollow-stem augers. Soil samples were collected at 5ft intervals using a 2" diameter modified-California split-spoon sampler with brass liners. A groundwater monitoring well was installed using 2" diameter sch 40 PVC and 0.010" machine slotted PVC screen.

WELL DETAILS

BURLINGTON ENVIRONMENTAL, INC.
CHEMPRO, Division

PROJECT No. CHV-149/306 Drawing No. : A1030607

PROJECT NAME: Chevron Service Station No. 9-8139

LOCATION 16304 Foothill Boulevard, San Leandro, Ca

WELL PERMIT No. 91134

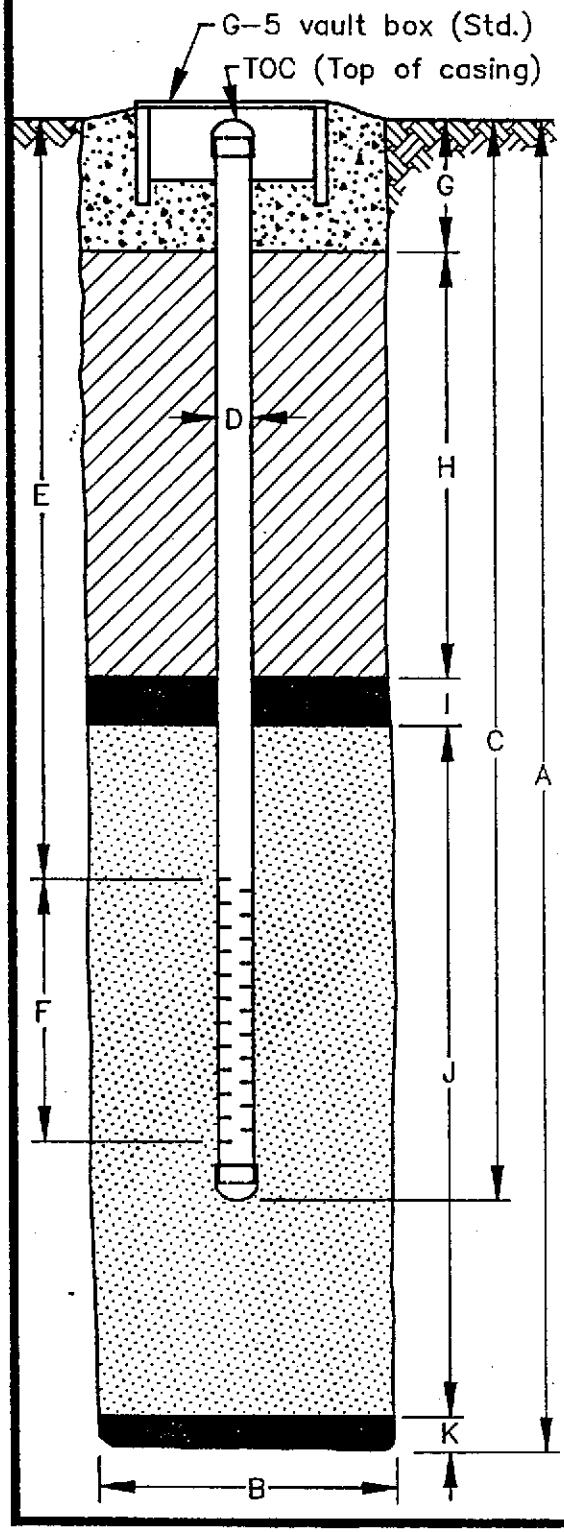
BORING/WELL No. MW-9

TOP OF CASING ELEVATION 124.20Ft.

GROUND SURFACE ELEVATION 124.51Ft.

DATUM MSL

INSTALLATION DATE 6/11/91



EXPLORATORY BORING

A. Total depth 27 ft.
B. Diameter 8 in.
Drilling method 8" HSA

WELL CONSTRUCTION

C. Total casing length 26.5 ft.
Material SCH 40 PVC
D. Diameter 2 in.
E. Depth to top of perforations 17 ft.
F. Perforated length 10 ft.
Perforated interval from 17 to 27 ft.
Perforation type MACHINE-SLOTTED
Perforation size 0.010 INCH
G. Surface seal 1 ft.
Seal material CONCRETE
H. Backfill 12 ft.
Backfill material CEMENT-BENTONITE GROUT
I. Seal 2 ft.
Seal material BENTONITE PELLETS
J. Gravel pack 12 ft.
Pack material No. 2/12 SAND
K. Bottom seal/fill - ft.
Material -

Form prepared by KSF

BORING LOG

BURLINGTON ENVIRONMENTAL INC.

Project Number: CHV-149
Chevron Service Station No. 9-8139
16304 Foothill Boulevard, San Leandro, CA
Drawing No.: A1036601 Page: 1 of 2

Monitoring WELL No.: MW-10
Ground Surface Elev.: Approx. 125.5 ft.(MSL)
Total Boring Depth: 30 ft.
By: K. FLORY Date: 4/21/92

Pocket penetrometer TSF	Recovery (in/in)	Blow Count (blows/6")	Sample Depth (feet)	Well Detail	Stratigraphic Column	Description
			0		AC / CONC. / FILL	5" ASPHALT 7" CONCRETE 4" BASE COARSE
					CL	SANDY CLAY (CL), Dark brown (7.5 YR, 3/3); 70-80% low plasticity fines; 20-30% very fine to fine sand; hard; dry.
4.5	18/18	5 12 22	5			
4.5	18/18	5 6 10	10			@ 13': 50-60% low plasticity fines; 30-40% very fine to coarse sand; 10% gravel: hard, moist.
2.0	18/18	5 8 8	15			@ 15': 80-90% low plasticity fines; 10-20% very fine sand; very stiff.
			20			

NOTES: Boring was drilled using eight-inch outside diameter (OD) hollow-stem augers. Soil samples were collected using a two-inch OD split-spoon sampler at five foot intervals. A groundwater monitoring well was installed using two-inch diameter PVC casing (see attached well detail).

BORING LOG

Project Number: CHV-149
Chevron Service Station No. 9-8139
16304 Foothill Boulevard, San Leandro, CA
Drawing No.: A1036602 Page: 2 of 2

Monitoring WELL No.: MW-10
Ground Surface Elev.: Approx. 125.5 ft.(MSL)
Total Boring Depth: 30 ft.
By: K. FLORY Date: 4/21/92

Pocket penetrometer TSF	Recovery (in/in)	Blow Count (blows /6")	Sample Depth (feet)	Well Detail	Stratigraphic Column	Description
–	3/18	8 18 23	20		CL	SANDY CLAY (CL), Continued ● 20': Cobble in tip of spoon; little recovery; wet.
2.25	18/18	6 7 11	25			● 25': 60–70% low plasticity fines; 20–30% very fine to coarse sand; 10% fine gravel; very stiff; moist.
2.5	18/18	8 12 15	30			BORING TERMINATED AT 30'
			35			
			40			

NOTES: Boring was drilled using eight-inch outside diameter (OD) hollow-stem augers. Soil samples were collected using a two-inch OD split-spoon sampler at five foot intervals. A groundwater monitoring well was installed using two-inch diameter PVC casing (see attached well detail).

David C. Cinnamon RG#4603 Exp. 6/30/94

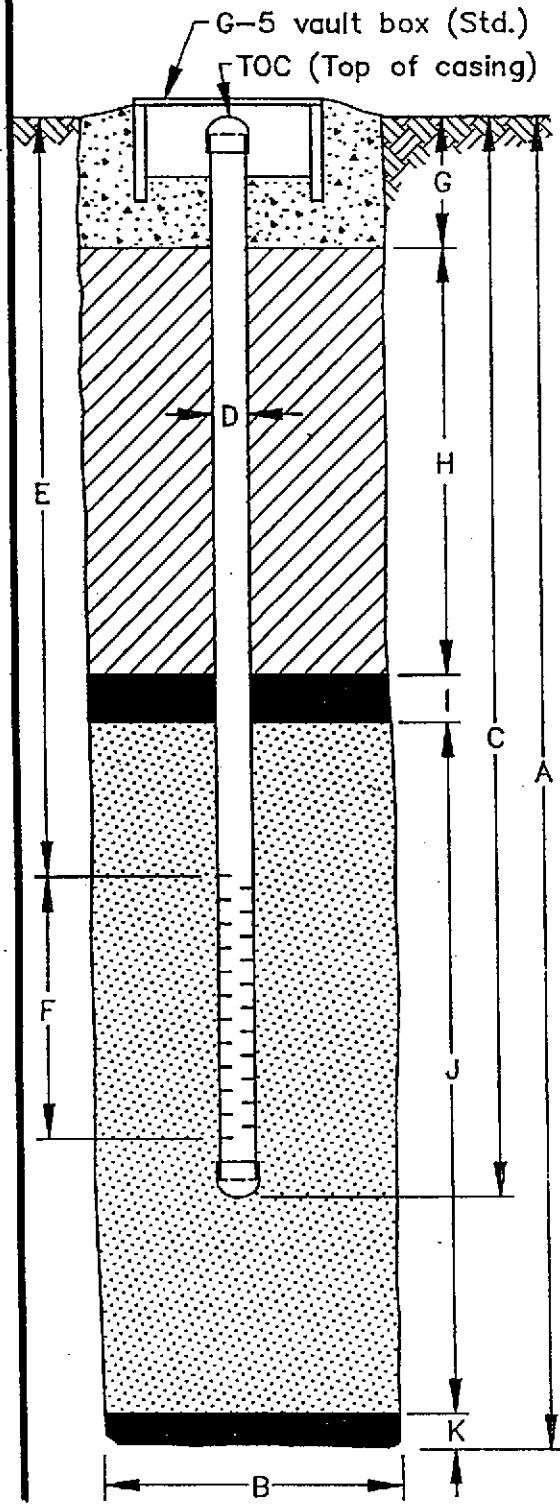
WELL DETAILS

BURLINGTON ENVIRONMENTAL, INC.

Project Number: CHV-149
Chevron Service Station No. 9-8139
16304 Foothill Boulevard, San Leandro, CA
Drawing No.: A1036605

WELL No.: MW-10
Top of Casing Elev.: 125.03 FT (MSL)
Ground Surface Elev.: APPROX. 125.5ft.(MSL)
Installation Date: 4/21/92

Well Permit No.: 92124



EXPLORATORY BORING

A. Total depth: 30 ft.
B. Diameter: 8 in.
Drilling method: 8"ø HSA

WELL CONSTRUCTION

C. Total casing length: 29.5 ft.
Material: SCH 40 PVC
D. Diameter: 2 in.
E. Depth to top of perforations: 14.5 ft.
F. Perforated length: 15 ft.
Perforated interval from 14.5 to 29.5 ft.
Perforation type: MACHINE-SLOTTED
Perforation size: 0.010 INCH
G. Surface seal: 2 ft.
Seal material: CONCRETE
H. Backfill: 7 ft.
Backfill material: CEMENT-BENTONITE GROUT
I. Seal: 3 ft.
Seal material: BENTONITE-PELLETS
J. Gravel pack: 18 ft.
Pack material: 2/12 SAND
K. Bottom seal/fill: - ft.
Material: N/A

DC?

Form prepared by K. FLORY

BORING LOG

Project Number: CHV-149
Chevron Service Station No. 9-8139
16304 Foothill Boulevard, San Leandro, CA
Drawing No.: A1036603 Page: 1 of 2

Monitoring WELL No.: MW-11
Ground Surface Elev.: Approx. 123.4 ft.(MSL)
Total Boring Depth: 30 ft.
By: K. FLORY Date: 4/21/92

Pocket penetrometer TSF	Recovery (in/in)	Blow Count (blows/6")	Sample Depth (feet)	Well Detail	Stratigraphic Column	Description
2.2	–	–	0		CL	SILTY CLAY (CL), Very dark brown (10 YR, 2/2); 85–95% high plasticity fines; 5–15% very fine to fine sand; trace fine gravel; very stiff; slightly moist.
4.0	18/18	10 11 22	5			● 5': Hard.
3.5	18/18	5 10 13	10		CL	SANDY CLAY (CL), Dark yellowish brown (10 YR, 4/4); 50–60% low plasticity fines; 30–40% fine to coarse sand; 10–20% fine gravel; very stiff; slightly moist.
0.5	18/18	7 12 14	15			● 15': Dark brown (10 YR, 4/3); 65–75% low plasticity fines; 20–30% fine to coarse sand; 5% fine gravel; soft; slightly moist.
			20			

NOTES: Boring was drilled using eight-inch outside diameter (OD) hollow-stem augers. Soil samples were collected using a two-inch OD split-spoon sampler at five foot intervals. A groundwater monitoring well was installed using two-inch diameter PVC casing (see attached well detail).

BORING LOG

BURLINGTON ENVIRONMENTAL INC.

Project Number: CHV-149
Chevron Service Station No. 9-8139
16304 Foothill Boulevard, San Leandro, CA
Drawing No.: A1036604 Page: 2 of 2

Monitoring WELL No.: MW-11
Ground Surface Elev.: Approx. 123.4 ft.(MSL)
Total Boring Depth: 30 ft.
By: K. FLORY Date: 4/21/92

Pocket penetrometer TSF	Recovery (in/in)	Blow Count (blows/6")	Sample Depth (feet)	Well Detail	Stratigraphic Column	Description
0.5	18/18	5 6 9	20		CL	SANDY CLAY (CL), Continued. ● 20': Dark yellowish brown (10 YR, 3/4); 60–70% high plasticity fines; 20–30% fine to coarse sand; 10% gravel; soft; wet.
2.75	18/18	9 9 9	25			● 25': 50–60% low plasticity fines; 30–40% fine to coarse sand; 10% gravel; very stiff; moist.
2.75	18/18	4 5 9	30			BORING TERMINATED AT 30'
			35			
			40			

NOTES: Boring was drilled using eight-inch outside diameter (OD) hollow-stem augers. Soil samples were collected using a two-inch OD split-spoon sampler at five foot intervals. A groundwater monitoring well was installed using two-inch diameter PVC casing (see attached well detail).

David C. [illegible], RG#4603; Exp. 6/30/94

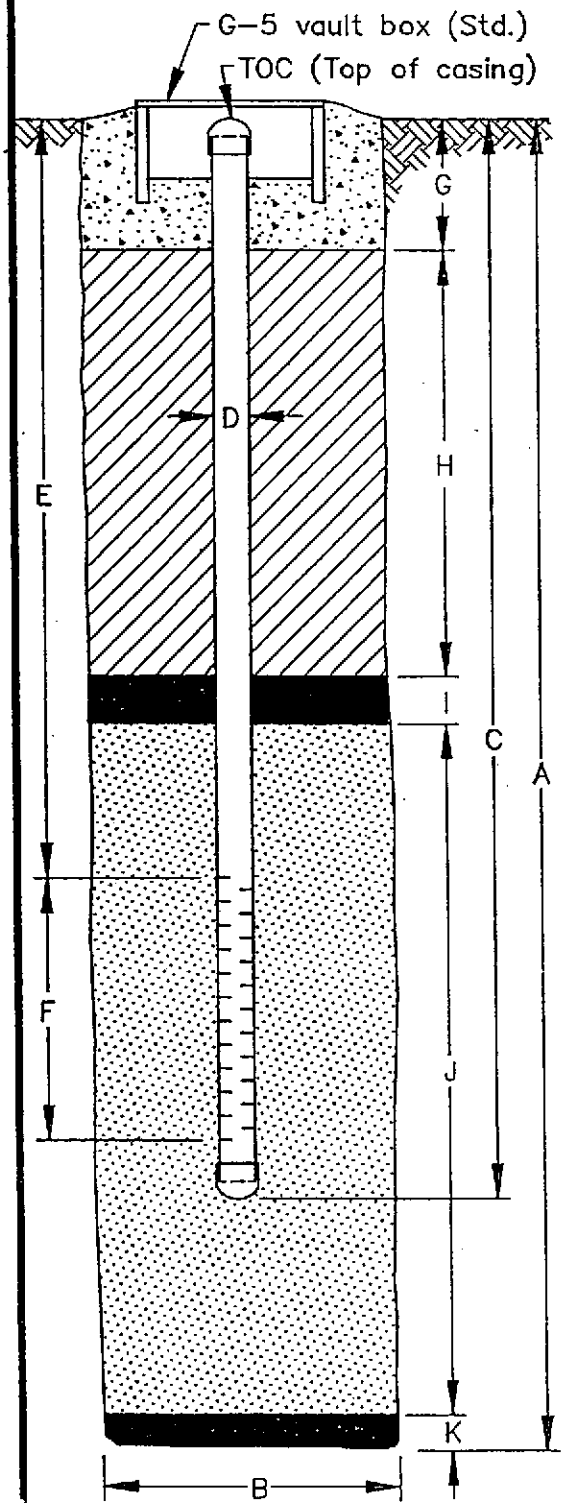
WELL DETAILS

BURLINGTON ENVIRONMENTAL, INC.

Project Number: CHV-149
Chevron Service Station No. 9-8139
16304 Foothill Boulevard, San Leandro, CA
Drawing No.: A1036606

WELL No.: MW-11
Top of Casing Elev.: 122.92ft.(MSL)
Ground Surface Elev.: APPROX. 123.4ft.(MSL)
Installation Date: 4/21/92

Well Permit No.: 92124



EXPLORATORY BORING

A. Total depth: 30 ft.
B. Diameter: 8 in.
Drilling method: 8"ø HSA

WELL CONSTRUCTION

C. Total casing length: 29.5 ft.
Material: SCH 40 PVC
D. Diameter: 2 in.
E. Depth to top of perforations: 14.5 ft.
F. Perforated length: 15 ft.
Perforated interval from 14.5 to 29.5 ft.
Perforation type: MACHINE-SLOTTED
Perforation size: 0.010 INCH
G. Surface seal: 2 ft.
Seal material: CONCRETE
H. Backfill: 6 ft.
Backfill material: CEMENT-BENTONITE GROUT
I. Seal: 3 ft.
Seal material: BENTONITE-PELLETS
J. Gravel pack: 19 ft.
Pack material: 2/12 SAND
K. Bottom seal/fill: - ft.
Material: N/A

Form prepared by K. FLORY

LOG OF EXPLORATORY BORING

PROJECT NUMBER 1158 BORING NO. E-1

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 PAGE 1 OF 2

BY D. Maupin DATE 5/17/90 SURFACE ELEV. 127.29 ft.

PID (ppm)	POCKET PENETRO-METER ton/sq ft	BLOW CT. (blws/6")	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
							ASPHALT.	
							FILL.	
54.8	3.2	NA					CLAYEY SAND (SC), dark yellowish brown (10YR, 4/4); 40-50% moderate to high plasticity fines; 50-60% fine to coarse sand; trace fine gravel; worm borrows upper 4-8"; medium dense; damp; no product odor.	
21.7	3.2	NA		5			@ 5': 25-35% moderate to high plasticity fines; 50-60% fine to coarse sand; 10-20% fine gravel.	
47.6		NA					@ 6.5': thin lenses of high plasticity fines; some highly altered sandstone gravel.	
	1.3	NA					@ 8': dark yellowish brown (10YR, 3/6); 35-45% moderate to high plasticity fines; 55-65% fine to coarse sand; trace Mn-oxide stained fine gravel; damp; weak product odor.	
39.6	2.3	NA		10			@ 10': olive brown (2.5Y, 4/4); 25-35% moderate to high plasticity fines; 65-75% fine to coarse sand, subangular to subrounded; trace fine to medium gravel; organic odor.	
	3.5	NA					SANDY CLAY (CL), mottled olive (5Y, 4/3) and dark yellowish brown (10YR, 4/6); 55-65% high plasticity fines; 25-35% fine to medium sand; 10-15% fine gravel; very stiff; damp; no product odor.	
	3.5	NA					@ 13': moderate product odor.	
405	2.2	NA		15			CLAYEY SAND (SC), dark yellowish brown (10YR, 4/4); 20-30% moderate to high plasticity fines; 60-70% fine to coarse sand; 5-15% fine to coarse gravel; medium dense; damp; moderate to strong product odor.	
	1.5	NA	5-21-90					
295	3.0	NA	5-16-90				GRAVELLY SAND (SP), light olive brown (2.5Y, 5/4); 10-20% moderate plasticity fines; 40-50% fine to coarse sand; 30-40% fine to coarse	
				20				

REMARKS

Boring was drilled to 31.5' using 6.5" diameter hollow-stem augers. Soil samples were collected from 3.5' to 31.5' using a 2.5" diameter Moss continuous sampler. Boring was redrilled with 12.25" diameter hollow-stem augers. A groundwater extraction well was installed using 6" diameter PVC casing (see attached well detail).

David C. Tiglet RG#4603 Exp date: 6/91

LOG OF EXPLORATORY BORING

PROJECT NUMBER 1158 BORING NO. E-1

PROJECT NAME CHEVRON SERVICE STATION NO. 9-8139 PAGE 2 OF 2

BY D. Maupin DATE 5/17/90 SURFACE ELEV. 127.29 ft.

PID (ppm)	POCHET PENETRO-METER ton/sq ft	BLOW CT. (blws/6")	DESCRIPTION
61.5	1.1	NA	gravel, one quartz clast >2" diameter; medium dense; damp to moist; moderate to strong product odor.
	4.1	NA	@ 17.5': graded to dark olive gray (5Y, 3/2); wet; strong product odor.
352	2.8	NA	CLAYEY SAND (SC), abundant olive mottling; trace medium gravel; strong product odor.
			@ 20': yellowish brown (10YR, 5/6); 25-35% moderate to high plasticity fines; 60-70% fine to coarse sand; 5-10% fine gravel; medium dense; damp to wet; no product odor.
18.2	0.5	NA	
5.0	2.4	NA	SANDY CLAY (CL), yellowish brown (10YR, 5/6); 55-65% high plasticity fines; 30-40% fine to coarse sand; 5-10% fine gravel; very stiff to hard; moist; weak product odor.
5.1	2.5	NA	
	No	Recovery	CLAYEY SAND (SC), dark yellowish brown (10YR, 4/6); 25-35% moderate to high plasticity fines; 50-60% fine to coarse sand; 10-15% fine gravel, angular; loose; damp; weak product odor.
			@ 25': 10-20% low to moderate plasticity fines; 60-70% fine to coarse sand; 10-20% fine gravel; moist to wet; no product odor.
			SANDY CLAY (CL), dark yellowish brown (10YR, 4/4); 55-65% high plasticity fines; 35-45% fine to coarse sand, rounded; trace fine gravel; very stiff; damp; no product odor.
			@ 29': sandy lense; 50-60% high plasticity fines; 40-50% fine to coarse sand; trace fine gravel.
			TERMINATED BORING AT 30' AND SAMPLED TO 31.5'.

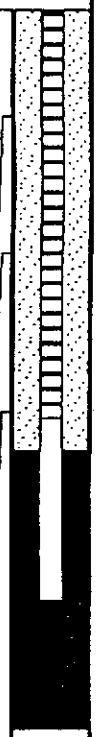
GROUND WATER LEVELS | DEPTH IN FT. | SAMPLES | LITHO-GRAPHIC COLUMN | WELL DETAIL

25

30

35

40



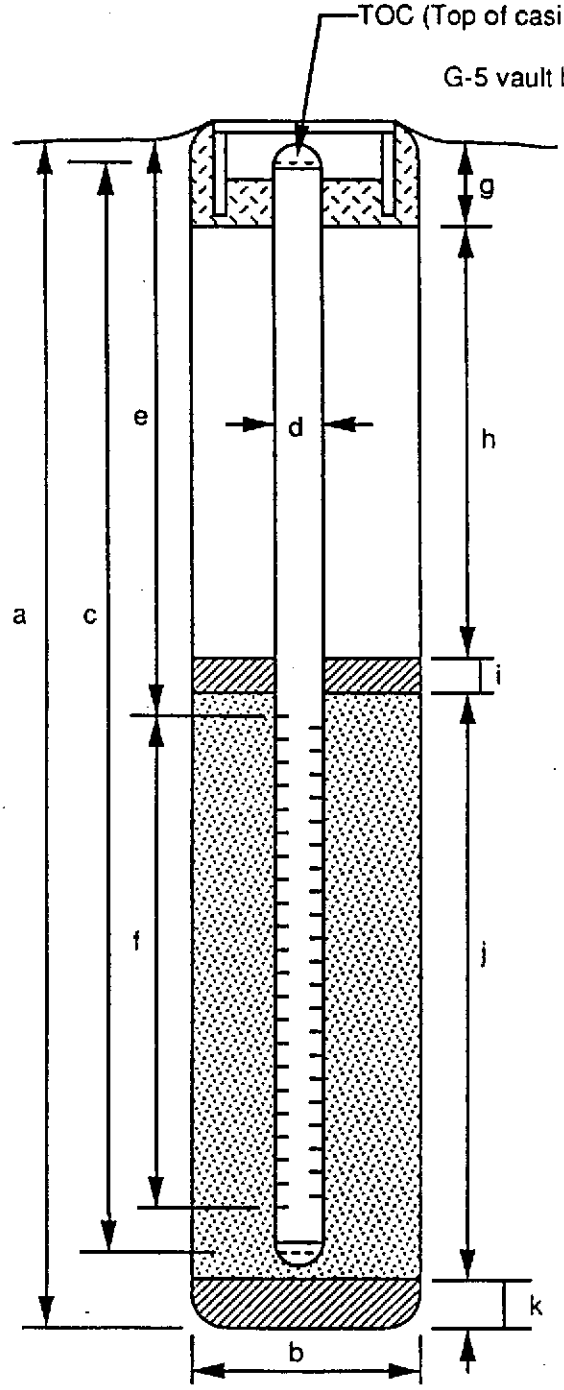
REMARKS

Boring was drilled to 31.5' using 6.5" diameter hollow-stem augers. Soil samples were collected from 3.5' to 31.5' using a 2.5" diameter Moss continuous sampler. Boring was redrilled with 12.25" diameter hollow-stem augers. A groundwater extraction well was installed using 6" diameter PVC casing (see attached well detail).

WELL DETAILS

PROJECT NUMBER 1158
PROJECT NAME Chevron SS No. 9-8139
LOCATION 16304 Foothill Boulevard, San Leandro
WELL PERMIT NO. 90281

BORING / WELL NO. E-1
TOP OF CASING ELEV. 124.95'
GROUND SURFACE ELEV. 127.29'
DATUM MSL
INSTALLATION DATE 5-17-90



EXPLORATORY BORING

a. Total depth 31.5 ft.
b. Diameter 12.25 in.
Drilling method Hollow-Stem Auger

WELL CONSTRUCTION

c. Total casing length * 27.9 ft.
Material Schedule 40 PVC
d. Diameter 6 in.
e. Depth to top perforations 18.1 ft.
f. Perforated length 8.4 ft.
Perforated interval from 18.1 to 26.5 ft.
Perforation type Machine Slotted PVC
Perforation size 0.020 inch
g. Surface seal 1.5 ft.
Material Concrete
h. Backfill 13.5 ft.
Material Bentonite-Cement Grout
i. Seal 2 ft.
Material Bentonite
j. Gravel pack 10 ft.
Gravel pack interval from 17 to 27 ft.
Material #3 Sand
k. Bottom seal/fill 4.5 ft.
Material Bentonite around PVC Sediment Sump *

* 3-foot sediment sump installed below the screened section (26.5 to 29.4 feet BGL).

Form prepared by DLM

DCT

BORING LOG

PROJ. No.: CHV-149/306
PROJ. NAME: Chevron Service Station No. 9-8139
16304 Foothill Boulevard, San Leandra, CA
DRAWING No. : A1030601 PAGE: 1 OF 1

EXTRACTION WELL E-2
TOP OF CASING : 125.79Ft.(MSL)
TOTAL BORING DEPTH 30.5Ft.
BY: KSF DATE: 6/10/91

Pocket Pene-trometer TSF	Recovery (In./In.)	Blow Count (blows /6")	Sample Depth (feet)	Well Detail	Stratigraphic Column	Description
			0			FOR LITHOLOGIC DETAILS SEE BORING LOG FOR MONITORING WELL MW-5
			10			
			20			
			30			
			40			

NOTES: Monitoring well Mw-5 was decommissioned with 8" diameter hollow-stem augers to 30ft. Boring was reamed with 10" diameter hollow-stem augers to 30.5ft. A groundwater extraction well was installed using 4" diameter sch 40 PVC and 0.010" machine slotted PVC screen.

RG#4603
exp: 6/30/92

WELL DETAILS

BURLINGTON ENVIRONMENTAL, INC. CHEMPRO, Division

PROJECT No. CHV-149/306 Drawing No. : A1030608

PROJECT NAME: Chevron Service Station No. 9-8139

LOCATION 16304 Foothill Boulevard, San Leandro, Ca

WELL PERMIT No. 91134

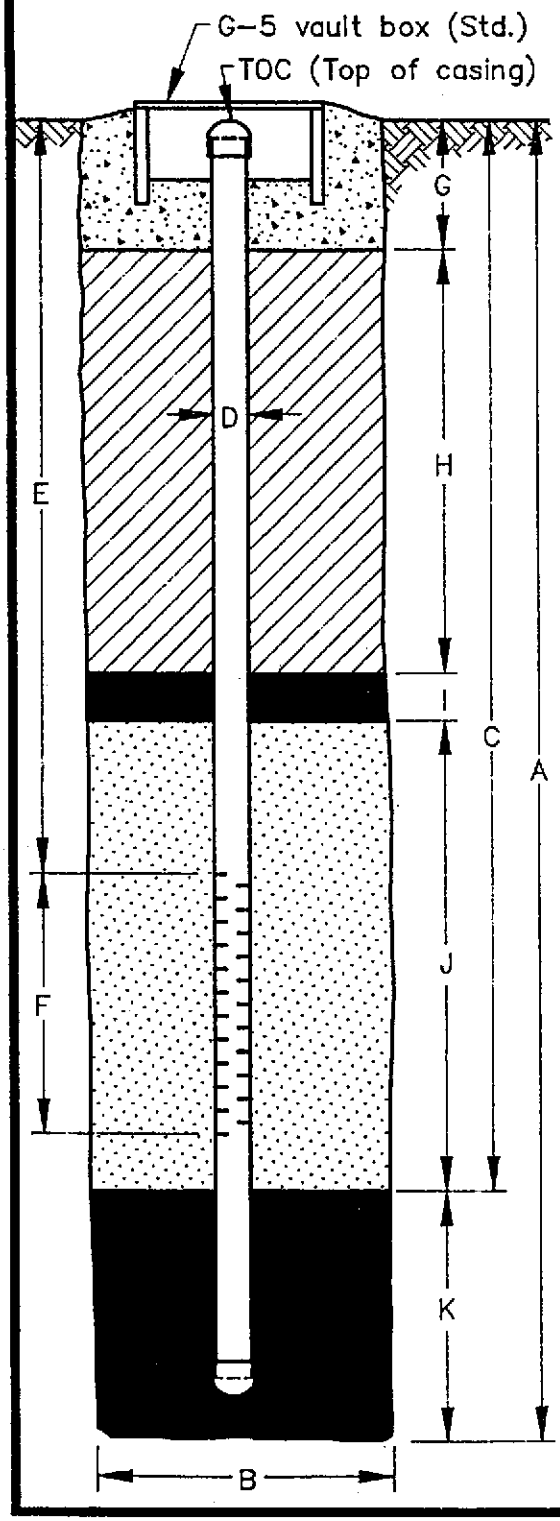
BORING/WELL No. E-2

TOP OF CASING ELEVATION 125.79Ft

GROUND SURFACE ELEVATION 126.15Ft.

DATUM MSL

INSTALLATION DATE 6/10/91



EXPLORATORY BORING

A. Total depth 30.5 ft.

B. Diameter 10 in.

Drilling method 8"ø+10"ø HSA

WELL CONSTRUCTION

C. Total casing length 30 ft.

Material SCH 40 PVC

D. Diameter 4 in.

E. Depth to top of perforations 15 ft.

F. Perforated length 10 ft.

Perforated interval from 15 to 25 ft.

Perforation type MACHINE-SLOTTED

Perforation size 0.010 INCH

G. Surface seal 1.5 ft.

Seal material CONCRETE

H. Backfill 9.5 ft.

Backfill material CEMENT-BENTONITE GROUT

I. Seal 2 ft.

Seal material BENTONITE PELLETS

J. Gravel pack 13 ft.

Pack material No. 2/12 SAND

K. Bottom seal/fill 4.5 ft.

Material HOLE PLUG

Form prepared by KSF

BORING LOG

PROJ. No.: CHV-149/306
PROJ. NAME: Chevron Service Station No. 9-8139
16394 Foothill Boulevard, San Leandro, CA
DRAWING No. :A1030602 PAGE: 1 OF 1

EXTRACTION WELL E-3
TOP OF CASING : 125.22Ft.(MSL)
TOTAL BORING DEPTH 30.5Ft.
BY: KSF DATE: 6/10/91

Pocket Pene-trometer TSF	Recovery (in./in.)	Blow Count (blows /6")	Sample Depth (feet)	Well Detail	Strati-graphic Column	Description
			0			FOR LITHOLOGIC DETAILS SEE BORING LOG FOR MONITORING WELL MW-4
			10			
			20			
			30			
			40			

NOTES: Monitoring well Mw-5 was decommissioned with 8" diameter hollow-stem augers to 30ft. Boring was reamed with 10" diameter hollow-stem augers to 30.5ft. A groundwater extraction well was installed using 4" diameter sch 40 PVC and 0.010" machine slotted PVC screen.

David C. Griffith RG No. 4603
Exp: 6/30/92

WELL DETAILS

BURLINGTON ENVIRONMENTAL, INC. CHEMPRO Division

PROJECT No. CHV-149/306 Drawing No. : A1030609

PROJECT NAME: Chevron Service Station No. 9-8139

LOCATION 16304 Foothill Boulevard, San Leandro, Ca

WELL PERMIT No. 91133/91134

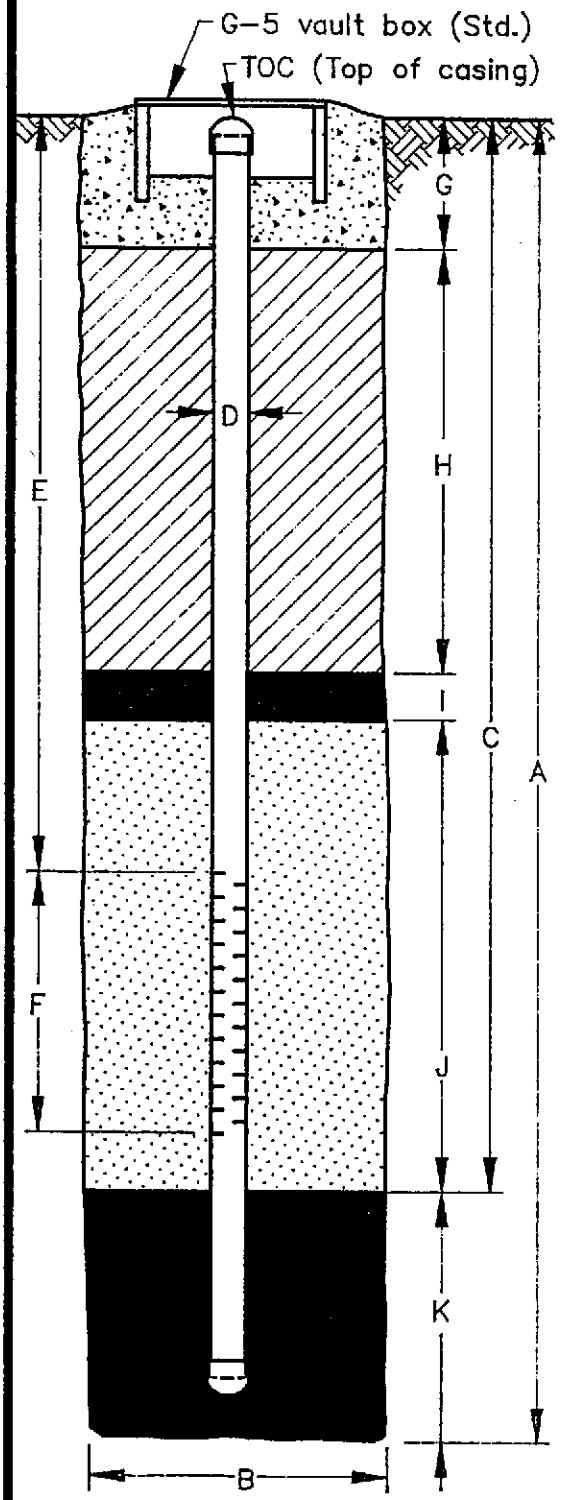
BORING/WELL No. E-3

TOP OF CASING ELEVATION 125.22Ft.

GROUND SURFACE ELEVATION 125.53Ft.

DATUM MSL

INSTALLATION DATE 6/10/91



EXPLORATORY BORING

A. Total depth 30.5 ft.

B. Diameter 10 in.

Drilling method 8"ø+10"ø HSA

WELL CONSTRUCTION

C. Total casing length 30 ft.

Material SCH 40 PVC

D. Diameter 4 in.

E. Depth to top of perforations 15 ft.

F. Perforated length 10 ft.

Perforated interval from 15 to 25 ft.

Perforation type MACHINE-SLOTTED

Perforation size 0.010 INCH

G. Surface seal 1.5 ft.

Seal material CONCRETE

H. Backfill 9.5 ft.

Backfill material CEMENT-BENTONITE GROUT

I. Seal 2 ft.

Seal material BENTONITE PELLETS

J. Gravel pack 13 ft.

Pack material No. 2/12 SAND

K. Bottom seal/fill 4.5 ft.

Material HOLE PLUG

Form prepared by KSF

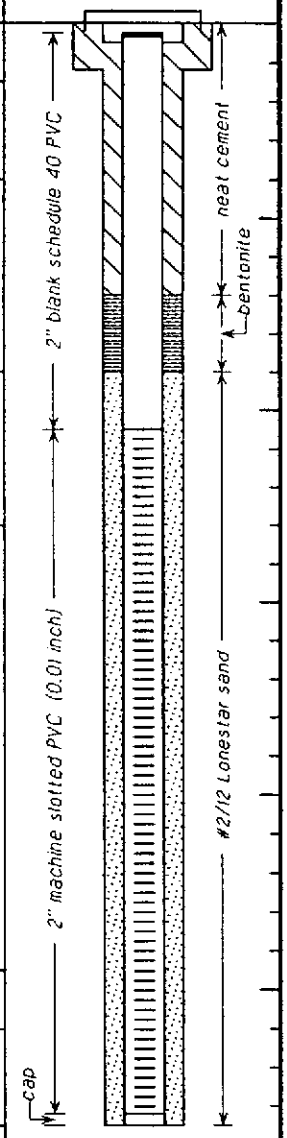
Gettler-Ryan, Inc.

Log of Boring MW-12

PROJECT: *Chevron Service Station #9-8139*	LOCATION: *16304 Foothill Boulevard, San Leandro, CA*
GR PROJECT NO. : *346461.06*	CASING ELEVATION: *--MSL*
DATE STARTED: *08/18/00*	WL (ft. bgs): *15.0* DATE: *08/18/00* TIME: *10:55*
DATE FINISHED: *08/18/00*	WL (ft. bgs): *11.8* DATE: *08/18/00* TIME: *14:00*
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *28.50 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Barbara Sieminski*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SOIL CLASS	GEOLOGIC DESCRIPTION
					FILL: Gravel with sand and silt.
				CL	CLAY (CL) - dark brown (10YR 4/3), moist, medium plasticity, stiff; 90% clay, 5% silt, 5% fine to medium sand.
5	0	14	MW12-6	CL	CLAY WITH SAND (CL) - yellowish brown (10YR 4/4), damp, low plasticity, stiff; 60% clay, 20% silt, 20% fine to medium sand.
10	1.2	10	MW12-11	CL	SANDY CLAY (CL) - yellowish brown (10YR 4/4), moist, low plasticity, stiff; 50% clay, 30% fine to coarse sand, 20% silt, trace subangular fine gravel.
15	0	5	MW12-16	CL/SC	SANDY CLAY WITH CLAYEY SAND LENSES (CL/SC) - yellowish brown (10YR 5/4), saturated, low plasticity, medium stiff; 40% clay, 30% fine to coarse sand, 5-10% subangular fine gravel, 20-25% silt.
20	0	8	MW12-21		Gravel decreases to trace, clay increases to 50%.
25	0	7	MW12-24.5	SM	SILTY SAND WITH GRAVEL (SM) - yellowish brown (10YR 5/4), saturated, loose; 80% fine to coarse sand, 5-10% subangular fine gravel, 30% silt, 5-10% clay.
	0	4	MW12-27.5	CL	CLAY (CL) - dark yellowish brown (10YR 3/4), saturated, medium plasticity, soft; 80% clay, 10-15% silt, 5-10% fine to coarse sand.
30					Bottom of boring at 28.5 feet bgs.
35					(* = Converted to equivalent standard penetration blows/foot.)

WELL DIAGRAM



JOB NUMBER: *346461.06*

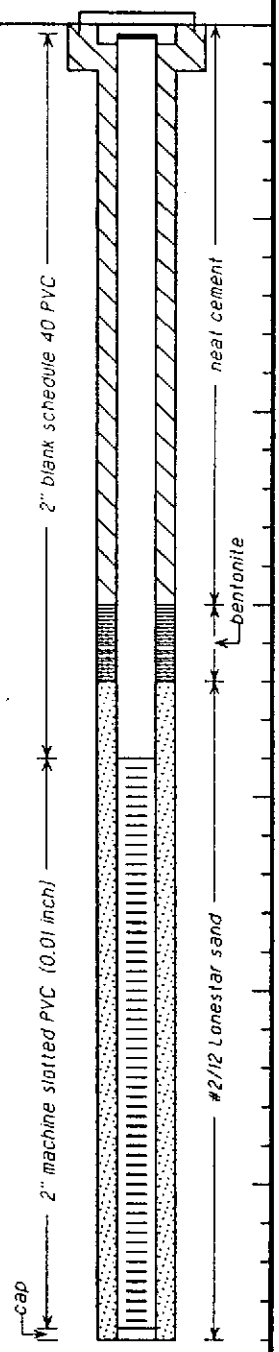
Gettler-Ryan, Inc.

Log of Boring MW-13

PROJECT: *Chevron Service Station #9-8139*	LOCATION: *16304 Foothill Boulevard, San Leandro, CA*
GR PROJECT NO. : *346461.06*	CASING ELEVATION: *--MSL*
DATE STARTED: *08/09/00*	WL (ft. bgs): *25.0* DATE: *08/09/00* TIME: *12:00*
DATE FINISHED: *08/09/00*	WL (ft. bgs): *12.1* DATE: *08/09/00* TIME: *17:50*
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *34 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Barbara Sieminski*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
							FILL: Gravel with sand and silt.
5	0	9	MW13-6			CL	CLAY (CL) – dark brown (10YR 4/3), moist, medium plasticity, stiff; 90% clay, 5% silt, 5% fine to medium sand.
10	0	13	MW13-11				Becomes damp, color changes to yellowish brown (10YR 5/6), silt increases to 30%, 10% fine to coarse sand, 60% clay at 10 feet.
15	0	12	MW13-16			CL	CLAY WITH SAND (CL) – yellowish brown (10YR 5/6), damp, low plasticity, stiff; 50% clay, 25% silt, 20% fine to coarse sand, 5% subangular fine gravel No water in hole at 15 feet after pulling augers up 1.5 feet and waiting 15 minutes.
20	0	11	MW13-21			CL	SANDY CLAY (CL) – yellowish brown (10YR 5/4), moist, low plasticity, stiff, 40% clay, 30% fine to coarse sand, 30% silt, trace subangular fine gravel.
25	0	6	MW13-26				Clay decreases to 35%, gravel increases to 5%,, becomes medium stiff and saturated at 25 feet.
30	0	6	MW13-31			SW-SM	SAND WITH GRAVEL (SW-SM) – yellowish brown (10YR 5/4), saturated, loose; 70% fine to coarse sand, 20% subangular fine gravel, 10% silt.
						CL	CLAY (CL) – yellowish brown (10YR 5/6), saturated, medium plasticity, medium stiff; 100% clay.
35							Bottom of boring at 34 feet bgs. (* = Converted to equivalent standard penetration blows/foot.)

WELL DIAGRAM



JOB NUMBER: *346461.06*

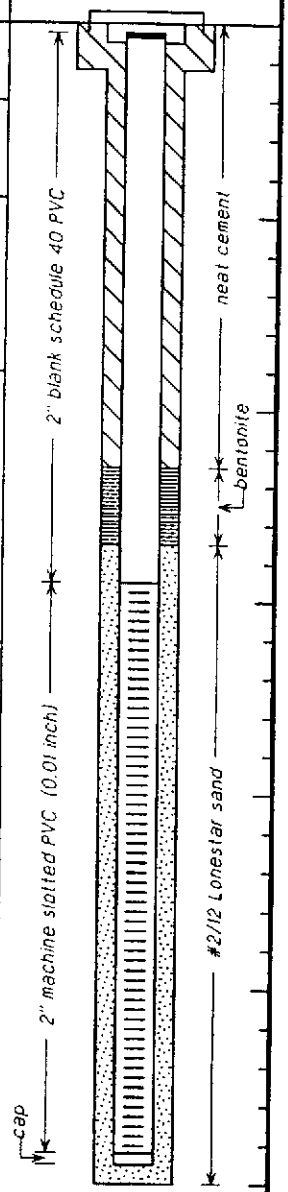
Gettler-Ryan, Inc.

Log of Boring MW-14

PROJECT: *Chevron Service Station #9-8139*	LOCATION: *16304 Foothill Boulevard, San Leandro, CA*
GR PROJECT NO.: *346461.06*	CASING ELEVATION: *--MSL*
DATE STARTED: *08/09/00*	WL (ft. bgs): *21.0* DATE: *08/09/00* TIME: *16:35*
DATE FINISHED: *08/09/00*	WL (ft. bgs): *14.5* DATE: *08/09/00* TIME: *20:00*
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *30 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Barbara Sieminski*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SOIL CLASS	GEOLOGIC DESCRIPTION
					FILL: Gravel with sand and silt.
				CL	CLAY (CL) – dark brown (10YR 4/3), moist, medium plasticity, stiff; 90% clay, 5% silt, 5% fine to medium sand.
5	0	16	MW14-6	CL	CLAY WITH SAND (CL) – dark yellowish brown (10YR 5/8), damp, low plasticity, stiff; 60% clay, 20% silt, 20% fine to coarse sand, trace subangular fine gravel.
10	0	15	MW14-11	CL	SANDY CLAY (CL) – yellowish brown (10YR 5/4), damp, low plasticity, stiff, 40% clay, 30% fine to coarse sand, 20% silt, 10% subangular fine gravel.
15	4	8	MW14-16		Becomes moist at 16 feet. No water in hole.
20	3.5	8	MW14-21		
	0	5	MW14-24.5	SM	SILTY SAND (SM) – yellowish brown (10YR 5/4), saturated, loose; 80% fine to coarse sand, 5-10% subangular fine gravel, 30% silt, 0-5% clay.
25				CL	CLAY (CL) – dark yellowish brown (10YR 3/4), moist to saturated, medium plasticity, stiff; 80% clay, 15-20% silt, 0-5% fine sand.
30	0	6	MW14-29.5		Bottom of boring at 30 feet bgs. (* = Converted to equivalent standard penetration blows/foot.)
35					

WELL DIAGRAM



JOB NUMBER: *346461.06*

CAMBRIA

ATTACHMENT C

Fourth Quarter 2003 Monitoring and Sampling Report

GETTLER-RYAN INC.

TRANSMITTAL

December 11, 2003
G-R #386461

TO: Ms. Karen Streich
Chevron Products Company
P.O. Box 6004
San Ramon, California 94583

CC: Mr. Robert Foss
Cambria Environmental, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Chevron Service Station
#9-8139
16304 Foothill Boulevard
San Leandro, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	December 10, 2003	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of November 10, 2003

COMMENTS:

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to ***December 30, 2003,*** at which time the final report will be distributed to the following:

cc: Mr. Chuck Headlee, RWQCB-S.F. Bay Region, 1515 Clay Street, Suite 1400, Oakland. CA 94612
Mr. Harv Dhaliwal, P.E., G&S Associates, Inc., 4430 Deerfield Way, Danville, CA 94506
Mr. Scott Seery, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577

Enclosures

trans/9-8139-ks

GETTLER-RYAN INC.

December 10, 2003
G-R Job #386461

Ms. Karen Streich
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583

RE: Fourth Quarter Event of November 10, 2003
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

Dear Ms. Streich:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are also attached.

Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,

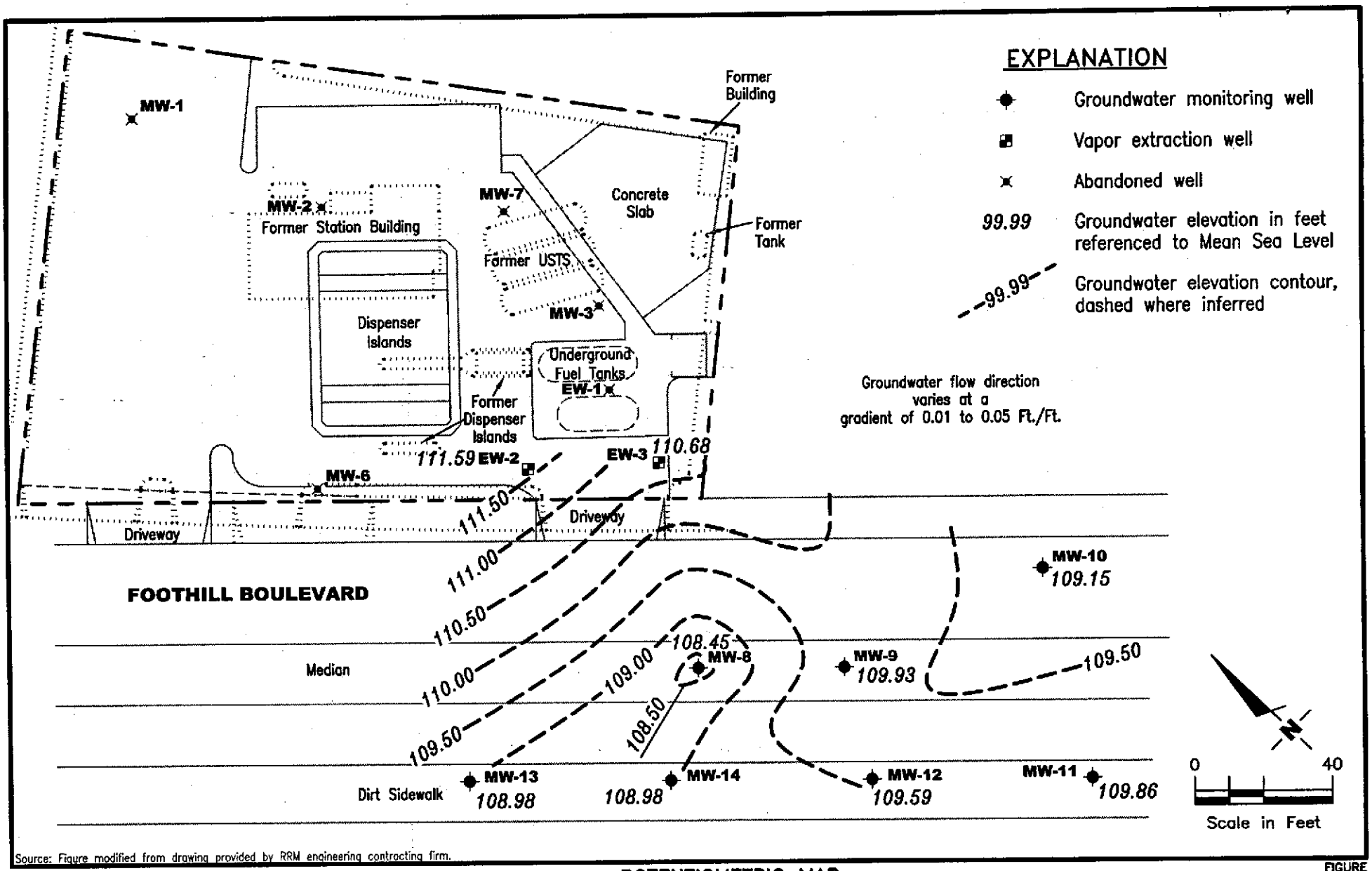
Deanna L. Harding
Project Coordinator

Hagop Kevork
P.E. No. C55734

REGISTERED PROFESSIONAL ENGINEER
HAGOP KEVORK
No. C 55734
Exp. 12/31/04
CIVIL
STATE OF CALIFORNIA

Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

6747 Sierra Court, Suite J • **Dublin**, CA 94568 • (925) 551-7555 • Fax (925) 551-7888
3140 Gold Camp Drive, Suite 170 • **Rancho Cordova**, CA 95670 • (916) 631-1300 • Fax (916) 631-1317
1364 N. McDowell Blvd., Suite B2 • **Petaluma**, CA 94954 • (707) 789-3255 • Fax (707) 789-3218



Source: Figure modified from drawing provided by RRM engineering contracting firm.

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

POTENTIOMETRIC MAP
Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

FIGURE
1

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
386461		November 10, 2003	

FILE NAME: P:\ENVIRO\CHEVRON\9-8139\Q03-9-8139.DWG | Layout Tab: Pot4

Table 1

Groundwater Monitoring and Analytical Results

Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	SPHT (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1											
127.09	12/05/89[1,3]	--	--	--	--	<500	<0.5	<0.5	<0.5	<0.5	<0.5
	03/23/90	12.92		114.17	--	--	--	--	--	--	--
	05/24/90	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	09/06/90[3]	14.68		112.41	--	<50	<0.5	0.8	<0.5	<0.5	<0.5
	09/25/90	15.01		112.08	--	--	--	--	--	--	--
	11/29/90	14.82		112.27	--	<50	0.7	0.9	<0.5	1.0	--
	02/20/91	14.29		112.80	--	<50	<0.5	<0.5	<0.5	<0.5	--
	04/19/91	12.16		114.93	--	--	--	--	--	--	--
	05/22/91	13.69		113.40	--	<50	<0.5	<0.5	<0.5	<0.5	--
	08/22/91	15.38		111.71	--	<50	<0.5	<0.5	<0.5	<0.5	--
	11/13/91	15.80		111.29	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/30/92	14.71		112.38	--	<50	0.5	<0.5	<0.5	0.5	--
	04/23/92	12.22		114.87	--	<50	<0.5	<0.5	<0.5	<0.5	--
	07/27/92	14.30		112.79	--	<50	<0.5	<0.5	<0.5	<0.5	--
	10/26/92	15.90		111.19	--	<50	0.6	<0.5	<0.5	<0.5	--
	01/29/93	10.51		116.58	--	<50	3.0	3.0	0.7	3.0	--
	04/30/93	9.90		117.19	--	<50	<0.5	0.7	<0.5	1.0	--
	07/14/93	12.28		114.81	--	<50	0.7	1.0	<0.5	3.0	--
	10/27/93	15.53		111.56	--	<50	0.9	2.0	<0.5	2.0	--
	01/13/94	12.24		114.85	--	<50	<0.5	0.9	<0.5	<0.5	--
	04/22/94	12.91		114.18	--	<50	1.1	2.6	1.0	5.5	--
	07/29/94	12.75		114.34	--	<50	<0.5	0.9	<0.5	<0.5	--
	10/25/94	13.63		113.46	--	100	0.6	1.6	<0.5	4.1	--
	01/19/95	9.93		117.16	--	<50	<0.5	<0.5	<0.5	<0.5	--
	ABANDONED										
MW-2	12/05/89[1,3]	--	--	--	--	<500	<0.5	<0.5	<0.5	0.9	<0.5
125.98	03/23/90	12.40		113.58	--	--	--	--	--	--	--
	05/24/90	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	09/06/90[3]	14.85		111.13	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	09/25/90	14.80		111.18	--	--	--	--	--	--	--
	11/29/90	14.40		111.58	--	<50	<0.5	<0.5	<0.5	<0.5	--

Table 1

Groundwater Monitoring and Analytical Results

Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

WELL ID/ TOC* (ft.)		DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	SPHT (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2		02/20/91	14.09	--	111.89	--	<50	<0.5	<0.5	<0.5	<0.5	--
(cont)		04/19/91	12.62		113.36	--	--	--	--	--	--	--
		05/22/91	12.98		113.00	--	<50	<0.5	<0.5	<0.5	<0.5	--
		08/22/91	14.93		111.05	--	<50	<0.5	<0.5	<0.5	<0.5	--
		11/13/91	15.42		110.56	--	58	<0.5	0.5	0.7	2.3	--
		01/30/92	14.70		111.28	--	<50	<0.5	<0.5	<0.5	<0.5	--
		04/23/92	13.83		112.15	--	<50	<0.5	<0.5	<0.5	<0.5	--
		07/27/92	15.30		110.68	--	<50	<0.5	<0.5	<0.5	1.1	--
		10/26/92	15.62		110.36	--	<50	<0.5	<0.5	<0.5	<0.5	--
		01/29/93	9.26		116.72	--	<50	3.0	8.0	1.0	5.0	--
		04/30/93	9.66		116.32	--	<1,300	<13	<13	<13	<13	--
		07/14/93	11.90		114.08	--	<50	0.8	2.0	0.8	4.0	--
		10/27/93	13.49		112.49	--	<50	1.0	2.0	1.0	2.0	--
		01/13/94	11.99		113.99	--	<50	<0.5	0.6	<0.5	<0.5	--
		04/22/94	12.73		113.25	--	<50	0.6	<0.5	<0.5	1.7	--
		07/29/94	12.30		113.68	--	<50	<0.5	0.9	<0.5	<0.5	--
		10/25/94	13.39		112.59	--	<50	<0.5	0.8	<0.5	2.1	--
		01/19/95	8.71		117.27	--	<50	<0.5	2.3	<0.5	<0.5	--
		ABANDONED										
MW-3		12/05/89[2,3]	--	--	--	--	24,000	2,400	1,800	360	2,600	<0.5
127.84	(D)	12/05/89[3]	--		--	--	24,000	2,500	1,900	390	2,600	<0.5
		03/23/90	17.50		110.34	--	--	--	--	--	--	--
		05/24/90	--		--	--	9,000	2,600	1,700	250	1,500	--
	(D)	05/24/90	--		--	--	10,000	2,600	1,800	260	1,600	--
126.77		09/06/90[3]	18.72		108.05	--	3,500	900	550	110	460	<0.5
		09/25/90	18.40		108.37	--	--	--	--	--	--	--
		11/29/90	18.97		107.80	--	9,200	1,100	1,100	210	1,100	--
		02/20/91	19.20		107.57	--	8,800	960	780	200	920	--
		04/19/91	17.81		108.96	--	--	--	--	--	--	--
		05/22/91	17.88		108.89	--	28,000	5,800	1,200	460	2,300	--
		08/01/91	19.23		107.54	--	--	--	--	--	--	--
		08/22/91	20.17		106.60	--	21,000	3,100	2,000	480	2,000	--

Table 1

Groundwater Monitoring and Analytical Results

Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

WELL ID/ TOC* (ft.)		DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	SPHT (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3	(D)	08/22/91	--	--	--	--	19,000	2,700	1,800	420	1,700	--
(cont)		11/13/91	19.95		106.82	--	18,000	2,400	1,200	450	2,200	--
		01/30/92	19.14		107.63	--	18,000	3,800	920	700	2,600	--
		04/23/92	17.75		109.02	--	46,000	5,000	1,900	1,000	3,500	--
		07/27/92	19.00		107.77	--	26,000	4,900	1,100	1,200	3,600	--
		10/26/92	19.62		107.15	--	6,600	1,100	41	220	570	--
		01/29/93	15.95		110.82	--	32,000	5,900	2,900	1,300	5,000	--
		04/30/93	15.67		111.10	--	14,000	6,100	98	870	2,400	--
		07/14/93	16.83		109.94	--	12,000	3,100	1,100	720	2,900	--
		10/27/93	17.70		109.07	--	19,000	7,800	400	1,500	3,400	--
		01/13/94	16.54		110.23	--	51,000	3,700	140	720	1,800	--
		04/22/94	17.02		109.75	--	22,000	9,300	89	1,200	2,400	--
		07/29/94	16.95		109.82	--	13,000	4,700	44	580	420	--
		10/25/94	17.66		109.11	--	24,000	8,700	52	1,500	1,400	--
		01/19/95	13.87		112.90	--	17,000	9,300	36	1,600	740	--
		10/12/95	14.23		112.54	--	37,000	12,000	180	1,800	1,500	13,000
		04/11/96	11.04		115.73	--	19,000	2,400	81	1,400	1,500	6,800
		10/03/96	14.62		112.15	--	--	--	--	--	--	--
		ABANDONED										
MW-4		12/05/89[3]	--	--	--	--	19,000	390	1,300	460	1,800	<0.5
125.22		03/23/90	16.02		109.20	--	--	--	--	--	--	--
		05/24/90	--		--	--	4,500	210	440	140	480	--
		09/06/90[3]	17.35		107.87	--	6,000	680	520	170	580	<0.5
		09/25/90	17.48		107.74	--	--	--	--	--	--	--
		11/29/90	17.61		107.61	--	15,000	800	1,000	430	1,700	--
		02/20/91	17.81		107.41	--	15,000	640	390	420	1,600	--
	(D)	02/20/91	--		--	--	15,000	680	410	430	1,600	--
		04/19/91	15.80		109.42	--	--	--	--	--	--	--
		05/22/91	16.68		108.54	--	9,800	580	140	310	740	--
	(D)	05/22/91	--		--	--	7,200	520	130	270	670	--
		REDESIGNATED EW-3										

Table 1

Groundwater Monitoring and Analytical Results

Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

WELL ID/ TOC* (ft.)		DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	SPHT (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5												
125.85		03/23/90	16.89	--	108.96	--	--	--	--	--	--	--
		05/25/90[4]	--		--	--	28,000	920	1,100	460	1,300	2.4
		09/07/90	18.46		107.42**	0.04	--	--	--	--	--	--
		09/25/90	18.87		108.02**	1.30	--	--	--	--	--	--
		11/29/90	18.91		107.51**	0.71	--	--	--	--	--	--
		02/20/91	16.99		109.24**	0.47	--	--	--	--	--	--
		04/19/91	19.30		106.93**	0.48	--	--	--	--	--	--
		05/22/91	17.69		108.42**	0.33	--	--	--	--	--	--
		REDESIGNATED EW-2										
MW-6												
124.18		03/23/90	18.51	--	105.67	--	--	--	--	--	--	--
		05/25/90[5]	--		--	--	<50	<2.0	<3.0	<3.0	<3.0	<0.02
		09/07/90[3]	16.18		108.00	--	<50	<2.0	<3.0	<3.0	<3.0	<0.05
		09/25/90	16.42		107.76	--	--	--	--	--	--	--
		11/29/90[3]	16.11		108.07	--	<50	<0.5	<0.5	<0.5	<0.5	<0.05
		02/20/91	16.09		108.09	--	<50	<0.5	<0.5	<0.5	<0.5	--
		04/19/91	15.15		109.03	--	--	--	--	--	--	--
		05/22/91	15.41		108.77	--	<50	0.5	0.7	<0.5	1.1	--
		08/23/91	17.80		106.38	--	<50	<0.5	<0.5	<0.5	<0.5	--
		11/14/91[5]	16.52		107.66	--	<50	<0.5	<0.5	<0.5	<0.5	<0.02
	(D)	11/14/91[3]	--		--	--	<50	<0.5	0.6	<0.5	1.1	<0.05
		01/31/92	16.48		107.70	--	<50	<0.5	<0.5	<0.5	<0.5	--
	(D)	01/31/92	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
		04/23/92	16.20		107.98	--	<50	<0.5	<0.5	<0.5	<0.5	--
	(D)	04/23/92	--		--	--	--	--	--	--	--	--
		07/27/92	16.52		107.66	--	<50	1.2	0.6	<0.5	1.9	--
		10/26/92	17.12		107.06	--	<50	<0.5	<0.5	<0.5	<0.5	--
		01/29/93	13.13		111.05	--	<50	<0.5	<0.5	<0.5	<0.5	--
		04/30/93	14.86		109.32	--	<50	<0.5	<0.5	<0.5	0.6	--
		07/14/93	14.61		109.57	--	<50	<0.5	<0.5	<0.5	<0.5	--
		10/27/93	15.38		108.80	--	<50	0.9	1.0	0.6	1.0	--

Table 1

Groundwater Monitoring and Analytical Results

Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

WELL ID/ TOC* (ft.)		DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	SPHT (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6		01/13/94	15.34	--	108.84	--	<50	<0.5	<0.5	<0.5	<0.5	--
(cont)		04/22/94	15.07		109.11	--	<50	<0.5	<0.5	<0.5	2.5	--
		07/29/94	15.30		108.88	--	<50	7.5	1.2	1.0	1.1	--
		10/25/94	15.69		108.49	--	<50	<0.5	<0.5	<0.5	1.2	--
		01/19/95	11.49		112.69	--	<50	<0.5	3.1	<0.5	0.6	--
		10/11/95	14.16		110.02	--	--	--	--	--	--	--
		11/07/95	14.30		109.88	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
		04/11/96	10.63		113.55	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
		10/03/96	13.34		110.84	--	--	--	--	--	--	--
		ABANDONED										
MW-7												
126.86		03/23/90	21.40	--	105.46	--	--	--	--	--	--	--
		05/25/90[5]	--		--	--	<50	<2.0	<3.0	<3.0	<3.0	<0.02
		09/07/90	18.38		108.48	--	--	--	--	--	--	--
		09/25/90	19.25		107.61	--	--	--	--	--	--	--
		09/27/90[3]	--		--	--	<50	<2.0	<3.0	<3.0	<3.0	<0.05
	(D)	09/27/90[3]	--		--	--	<50	<2.0	<3.0	<3.0	<3.0	<0.05
		11/29/90	18.55		108.31	--	<50	<0.5	<0.5	<0.5	<0.5	--
		02/20/91	18.55		108.31	--	<50	<0.5	<0.5	<0.5	<0.5	--
		04/19/91	17.33		109.53	--	--	--	--	--	--	--
		05/22/91	17.42		109.44	--	<50	<0.5	<0.5	<0.5	<0.5	--
		08/22/91	19.05		107.81	--	<50	<0.5	<0.5	<0.5	<0.5	--
		11/13/91	21.84		105.02	--	<50	<0.5	<0.5	<0.5	<0.5	--
		01/30/92	22.42		104.44	--	<50	<0.5	<0.5	<0.5	<0.5	--
		04/23/92	22.04		104.82	--	<50	<0.5	<0.5	<0.5	<0.5	--
		07/27/92	22.24		104.62	--	<50	<0.5	<0.5	<0.5	<0.5	--
		10/26/92	22.11		104.75	--	<50	<0.5	<0.5	<0.5	<0.5	--
		01/29/93	17.07		109.79	--	<50	4.0	13	2.0	8.0	--
		04/30/93	14.86		112.00	--	<50	<0.5	<0.5	<0.5	0.6	--
		07/14/93	16.10		110.76	--	<50	<0.5	1.0	<0.5	2.0	--
		10/27/93	18.71		108.15	--	<50	<0.5	<0.5	<0.5	<0.5	--
		01/13/94	17.89		108.97	--	<50	<0.5	0.9	<0.5	1.0	--

Table 1

Groundwater Monitoring and Analytical Results

Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

WELL ID/ TOC* (ft.)		DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	SPHT (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-7		04/22/94	16.94	--	109.92	--	<50	<0.5	<0.5	<0.5	1.3	--
(cont)		07/29/94	16.70		110.16	--	74	19	8.2	7.8	11	--
		10/25/94	17.42		109.44	--	<50	<0.5	0.6	<0.5	1.6	--
		01/19/95	13.66		113.20	--	<50	<0.5	1.4	<0.5	<0.5	--
		ABANDONED										
MW-8												
123.61		09/07/90[3]	16.07	--	107.54	--	<50	<0.5	<0.5	<0.5	<0.5	<0.05
		09/25/90	16.20		107.41	--	--	--	--	--	--	--
		11/29/90	16.30		107.31	--	<50	<0.5	<0.5	<0.5	<0.5	--
	(D)	11/29/90	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
		02/20/91	16.32		107.29	--	<50	<0.5	<0.5	<0.5	<0.5	--
		04/19/91	14.71		108.90	--	--	--	--	--	--	--
		05/22/91	15.42		108.19	--	<50	0.6	<0.5	<0.5	1.0	--
		08/22/91	17.15		106.46	--	<50	<0.5	<0.5	<0.5	<0.5	--
		11/14/91	16.99		106.62	--	<50	<0.5	<0.5	<0.5	<0.5	--
		01/30/92	16.30		107.31	--	<50	1.0	0.7	<0.5	1.1	--
		04/23/92	15.05		108.56	--	<50	<0.5	<0.5	<0.5	<0.5	--
		07/27/92	16.08		107.53	--	<50	<0.5	<0.5	<0.5	<0.5	--
		10/26/92	16.72		106.89	--	<50	<0.5	<0.5	<0.5	<0.5	--
		01/29/93	12.82		110.79	--	1,400	470	470	37	160	--
		04/30/93	13.54		110.07	--	1,600	<13	15	18	29	--
		07/14/93	14.65		108.96	--	<50	<0.5	0.7	<0.5	2.0	--
		10/27/93	15.04		108.57	--	<50	3.0	4.0	2.0	4.0	--
		01/13/94	15.14		108.47	--	<50	<0.5	4.0	<0.5	<0.5	--
		04/22/94	15.01		108.60	--	<50	<0.5	<0.5	<0.5	<0.5	--
		07/28/94	14.70		108.91	--	69	7.3	18	3.3	12	--
		10/25/94	15.20		108.41	--	<50	<0.5	0.8	<0.5	1.6	--
		01/19/95	12.00		111.61	--	<50	<0.5	3.1	<0.5	0.7	--
		05/01/95	11.40		112.21	--	<50	<0.5	<0.5	<0.5	<0.5	--
		04/03/97	11.72		111.89	--	<200	<2.0	<2.0	<2.0	<2.0	610
		10/07/97	13.60		110.01	--	<50	<0.5	<0.5	<0.5	<0.5	500
		04/14/98	8.75		114.86	--	<50	<0.5	<0.5	<0.5	<0.5	120

Table 1

Groundwater Monitoring and Analytical Results

Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	SPHT (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-8 (cont)	10/13/98	12.72	--	110.89	--	270	<0.5	<0.5	<0.5	<0.5	2,600
	04/16/99	11.55		112.06	--	480	<2.0	<2.0	<2.0	<2.0	5,000
	07/29/99[6]	12.35		111.26	--	--	--	--	--	--	--
	10/26/99	12.68		110.93	--	1,890	<5.0	12.1	<5.0	<5.0	39,000
	04/07/00[9]	11.24		112.37	0.00	<500	<5.0	<5.0	<5.0	<5.0	2,500
	10/10/00[9]	12.76		110.85	0.00	295[11]	<0.500	<0.500	<0.500	<0.500	19,500
	04/03/01[9]	12.09		111.52	0.00	3,340	2.84	3.05	<0.500	2.58	21,500
	08/14/01[13]	13.06		110.55	0.00	2,800[14]	<20	<20	<20	<20	25,000
	11/16/01	13.07		110.54	0.00	3,000	<1.0	1.1	<1.0	<3.0	16,000/19,000[15]
	02/15/02	12.71		110.90	0.00	2,000	<0.50	<0.50	<0.50	<1.5	15,000/19,000[15]
	05/09/02	12.95		110.66	0.00	3,900	<1.0	<1.0	<1.0	<3.0	16,000/15,000[15]
	08/05/02	13.51		110.10	0.00	4,000	<1.0	<1.0	<1.0	<3.0	16,000/15,000[15]
	11/04/02	13.85		109.76	0.00	2,800	<0.50	0.77	<0.50	<1.5	15,000/17,000[15]
	02/05/03	12.60		111.01	0.00	3,600	<20	<2.5	<2.5	<7.5	16,000/18,000[15]
	05/07/03	12.00		111.61	0.00	2,800	<2.5	<2.5	<2.5	<7.5	14,000/13,000[15]
	08/11/03[16]	13.12		110.49	0.00	2,400	<10	<10	<10	<10	13,000
	11/10/03[16]	**15.16**		**108.45**	**0.00**	**2,600**	**<10**	**<10**	**<10**	**<10**	**13,000**
MW-9 124.20	08/22/91[3]	17.60	--	106.60	--	9,600	46	170	98	1,200	<0.05
	11/14/91[3]	17.48		106.72	--	11,000	130	58	86	1,500	<0.05
	01/30/92	16.71		107.49	--	11,000	210	29	110	1,900	--
	04/23/92	15.23		108.97	--	17,000	180	25	100	1,900	--
	07/27/92	16.72		107.48	--	2,800	59	1.6	18	280	--
	10/26/92	17.22		106.98	--	3,200	38	<0.5	19	200	--
	01/29/93	13.39		110.81	--	1,300	23	6.0	8.0	100	--
	04/30/93	14.00		110.20	--	<1,300	<13	<13	<13	58	--
	07/14/93	15.08		109.12	--	1,300	25	4.0	15	120	--
	10/27/93	15.62		108.58	--	1,100	21	10	19	73	--
	01/13/94	15.59		108.61	--	80	0.7	3.0	0.6	3.0	--
	04/22/94	15.43		108.77	--	<50	<0.5	<0.5	<0.5	<0.5	--
	07/29/94	15.20		109.00	--	1,400	19	11	11	69	--
	10/25/94	15.70		108.50	--	1,200	11	2.0	7.6	28	--

Table 1

Groundwater Monitoring and Analytical Results

Chevron Service Station #9-8139

16304 Foothill Boulevard

San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	SPHT (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-9	01/19/95	12.58	--	111.62	--	380	1.6	4.3	1.5	11	--
(cont)	05/01/95	11.96		112.24	--	350	1.1	<0.5	1.8	2.3	--
	10/12/95	13.85		110.35	--	1,700	3.8	<2.5	5.3	7.8	18
	04/11/96	11.87		112.33	--	140	<0.5	<0.5	<0.5	<0.5	2.8
	10/03/96	14.07		110.13	--	53	<0.5	<0.5	<0.5	<0.5	<2.5
	04/03/97	12.38		111.82	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/07/97	14.14		110.06	--	66	1.3	<0.5	<0.5	<0.5	<2.5
	04/14/98	9.55		114.65	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/13/98	12.61		111.59	--	190	<0.5	<0.5	<0.5	<0.5	1,900
	04/16/99	11.01		113.19	--	3,800	<12	<12	<12	<12	4,400
	07/29/99[6]	12.85		111.35	--	--	--	--	--	--	--
	10/26/99	13.24		110.96	--	88.6	<0.5	<0.5	<0.5	<0.5	530
	04/07/00[9]	11.68		112.52	0.00	<5,000	<50	<50	<50	<50	27,000
	10/10/00[9]	13.30		110.90	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	322
	04/03/01[9]	12.69		111.51	0.00	258	<0.500	<0.500	<0.500	0.743	1,300
	08/14/01[13]	13.60		110.60	0.00	170[14]	<0.50	<0.50	<0.50	<0.50	1,300
	11/16/01	13.81		110.39	0.00	100	<0.50	0.99	<0.50	<1.5	330/330[15]
	02/15/02	13.32		110.88	0.00	<50	<0.50	<0.50	<0.50	<1.5	220/240[15]
	05/09/02	13.50		110.70	0.00	300	<0.50	<0.50	<0.50	<1.5	970/940[15]
	08/05/02	14.10		110.10	0.00	110	<0.50	<0.50	<0.50	<1.5	470/420[15]
	11/04/02	14.41		109.79	0.00	110	<0.50	0.67	<0.50	<1.5	530/520[15]
	02/05/03	13.17		111.03	0.00	70	<0.50	<0.50	<0.50	<1.5	320/340[15]
	05/07/03	12.65		111.55	0.00	87	<0.5	0.7	<0.5	<1.5	440/390[15]
	08/11/03[16]	13.71		110.49	0.00	74	<0.5	<0.5	<0.5	<0.5	370
	11/10/03[16]	**14.27**		**109.93**	**0.00**	**53**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**190**
MW-10											
125.03	07/27/92	17.52	--	107.51	--	<50	<0.5	<0.5	<0.5	<0.5	--
	10/27/92	18.06		106.97	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/29/93	14.15		110.88	--	<50	<0.5	<0.5	<0.5	0.7	--
	04/30/93	14.68		110.35	--	<50	<0.5	<0.5	<0.5	<0.5	--
	07/14/93	15.80		109.23	--	<50	<0.5	<0.5	<0.5	<0.5	--
	10/27/93	16.33		108.70	--	<50	<0.5	<0.5	<0.5	<0.5	--

Table 1

Groundwater Monitoring and Analytical Results

Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	SPHT (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-10 (cont)	01/13/94	16.29	--	108.74	--	<50	<0.5	0.5	<0.5	<0.5	--
	04/22/94	16.15		108.88	--	<50	<0.5	<0.5	<0.5	1.1	--
	07/29/94	15.85		109.18	--	<50	0.8	2.1	0.5	1.3	--
	10/25/94	16.41		108.62	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/19/95	13.29		111.74	--	<50	<0.5	<0.5	<0.5	<0.5	--
	05/01/95	12.60		112.43	--	<50	<0.5	<0.5	<0.5	<0.5	--
	10/11/95	14.54		110.49	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/11/96	12.47		112.56	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/03/96	14.74		110.29	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/03/97	12.99		112.04	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/07/97	14.86		110.17	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/14/98	10.24		114.79	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/13/98[7]	13.06		111.63	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
124.69	04/16/99	11.80		112.89	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/26/99	13.43		111.26	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/07/00	12.00		112.69	0.00	--	--	--	--	--	--
	10/10/00	13.59		111.10	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	04/03/01	13.00		111.69	0.00	<50.0	<0.500	<0.500	<0.500	0.580	<0.500
	08/14/01	13.91		110.78	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	11/16/01	13.94		110.75	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[15]
	02/15/02	13.65		111.04	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	05/09/02	13.87		110.82	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	08/05/02	14.45		110.24	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	11/04/02	14.77		109.92	0.00	<50	<0.50	1.2	<0.50	<1.5	<2.5/<2[15]
	02/05/03	13.49		111.20	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	05/07/03	12.99		111.70	0.00	<50	<0.5	<0.5	<0.5	<1.5	<2.5
	08/11/03[16]	14.04		110.65	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	11/10/03[16]	**15.54**		**109.15**	**0.00**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
MW-11											
122.92	07/27/92	15.38	--	107.54	--	<50	<0.5	<0.5	<0.5	<0.5	--
	10/26/92	15.97		106.95	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/29/93	12.24		110.68	--	<50	8.0	16	2.0	10	--

As of 11/10/03

Table 1

Groundwater Monitoring and Analytical Results

Chevron Service Station #9-8139

16304 Foothill Boulevard

San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	SPHT (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-11	04/30/93	12.77	--	110.15	--	<50	<0.5	<0.5	<0.5	<0.5	--
(cont)	07/14/93	13.84		109.08	--	<50	<0.5	0.7	<0.5	1.0	--
	10/27/93	14.23		108.69	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/13/94	14.24		108.68	--	<50	<0.5	1.0	<0.5	<0.5	--
	04/22/94	14.08		108.84	--	<50	<0.5	0.5	<0.5	1.4	--
	07/29/94	13.90		109.02	--	<50	<0.5	<0.5	<0.5	<0.5	--
	10/25/94	14.38		108.54	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/19/95	11.45		111.47	--	<50	<0.5	1.8	<0.5	<0.5	--
	05/01/95	11.10		111.82	--	<50	<0.5	<0.5	<0.5	<0.5	--
	10/11/95	12.57		110.35	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/11/96	11.05		111.87	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/03/96	12.92		110.00	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/03/97	11.22		111.70	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/07/97	13.05		109.87	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/14/98	9.05		113.87	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/13/98	12.34		110.58	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/16/99	10.73		112.19	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/26/99	11.97		110.95	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/07/00	10.90		112.02	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	10/10/00	12.09		110.83	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	04/03/01	11.59		111.33	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500
	08/14/01	12.40		110.52	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	11/16/01	13.45		109.47	0.00	<50	<0.50	0.73	<0.50	<1.5	<2.5/<2[15]
	02/15/02	12.24		110.68	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	05/09/02	12.44		110.48	0.00	<50	<0.50	1.0	<0.50	<1.5	<2.5
	08/05/02	12.97		109.95	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	11/04/02	13.28		109.64	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[15]
	02/05/03	12.07		110.85	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	05/07/03	11.58		111.34	0.00	<50	<0.5	<0.5	<0.5	<1.5	<2.5
	08/11/03[16]	12.61		110.31	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	11/10/03[16]	**13.06**		**109.86**	**0.00**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

Table 1

Groundwater Monitoring and Analytical Results

Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	SPHT (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-12	09/01/00[10]	11.69	10-28.5	--	--	--	--	--	--	--	--
	10/10/00	12.13		--	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	04/03/01	11.35		--	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500
122.36	08/14/01	12.21		110.15	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	11/16/01	12.72		109.64	0.00	<50	<0.50	0.59	<0.50	<1.5	<2.5/<2[15]
	02/15/02	11.98		110.38	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	05/09/02	12.17		110.19	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	08/05/02	12.69		109.67	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	11/04/02	12.98		109.38	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[15]
	02/05/03	11.81		110.55	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	05/07/03	11.28		111.08	0.00	<50	<0.5	<0.5	<0.5	<1.5	<2.5
	08/11/03[16]	12.33		110.03	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	11/10/03[16]	**12.77**		**109.59**	**0.00**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
MW-13	09/01/00[10]	11.57	19-34	--	--	--	--	--	--	--	--
	10/10/00	11.83		--	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	28.0
	04/03/01	11.46		--	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500
121.49	08/14/01	12.36		109.13	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	11/16/01	12.08		109.41	0.00	<50	<0.50	0.64	<0.50	<1.5	<2.5/<2[15]
	02/15/02	11.81		109.68	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	05/09/02	12.00		109.49	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	08/05/02	12.48		109.01	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[15]
	11/04/02	12.71		108.78	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[15]
	02/05/03	11.51		109.98	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	05/07/03	10.81		110.68	0.00	<50	<0.5	0.6	<0.5	<1.5	<2.5
	08/11/03[16]	12.15		109.34	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	11/10/03[16]	**12.51**		**108.98**	**0.00**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
MW-14	09/01/00[10]	11.96	15-30	--	--	--	--	--	--	--	--
	10/10/00	12.33		--	0.00	79.9[11]	<0.500	<0.500	<0.500	<0.500	854
	04/03/01	11.62		--	0.00	494	<0.500	<0.500	<0.500	<0.500	3,150
122.04	08/14/01	12.55		109.49	0.00	<1,000	<10	<10	<10	<10	2,600

As of 11/10/03

Table 1

Groundwater Monitoring and Analytical Results

Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	SPHT (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-14	11/16/01	12.55	15-30	109.49	0.00	1,500	<0.50	0.84	<0.50	<1.5	7,800/8,200[15]
(cont)	02/15/02	12.31		109.73	0.00	1,100	<0.50	<0.50	<0.50	<1.5	6,300/6,000[15]
	05/09/02	12.52		109.52	0.00	1,500	<0.50	<0.50	<0.50	<1.5	6,900/6,300[15]
	08/05/02	12.94		109.10	0.00	870	<0.50	<0.50	<0.50	<1.5	3,700/3,600[15]
	11/04/02	13.17		108.87	0.00	890	<0.50	<0.50	<0.50	<1.5	4,400/4,700[15]
	02/05/03	12.41		109.63	0.00	880	<0.50	<0.50	<0.50	<1.5	4,500/4,500[15]
	05/07/03	11.50		110.54	0.00	530	<0.5	0.6	<0.5	<1.5	2,400/1,800[15]
	08/11/03[16]	12.63		109.41	0.00	290	<1	<1	<1	<1	1,500
	11/10/03[16]	**13.06**		**108.98**	**0.00**	**360**	**<1**	**<1**	**<1**	**<1**	**1,700**
EW-1	05/25/90	--	--	--	--	3,900	260	430	64	340	0.03
124.95	08/01/91	17.54		107.41	--	--	--	--	--	--	--
	10/27/93	--		--	--	350	<0.5	<0.5	<0.5	<0.5	--
	01/13/94	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	04/22/94	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	07/29/94	--		--	--	97	0.6	0.5	0.6	5.1	--
	01/19/95	12.63		112.32	--	3,000	1,600	100	350	760	--
	ABANDONED										
EW-2											
125.79	08/01/91	18.07	--	107.72	--	--	--	--	--	--	--
	04/22/94	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	10/25/94	16.69		109.10	--	--	--	--	--	--	--
	01/19/95	12.20		113.59	--	1,700	540	69	56	400	--
	05/01/95	12.16		113.63	--	<50	13	<0.5	<0.5	2.1	--
	04/16/99	10.04		115.75	--	3,500	350	160	130	550	3,800
	07/29/99	INACCESSIBLE		--	--	--	--	--	--	--	--
	10/26/99	13.82		111.97	--	2,760	20.6	17.8	40.2	196	13,300
	04/07/00	10.94		114.85	0.00	4,100[8]	480	21	310	560	6,800
	10/10/00	13.32		112.47	0.00	3,010[12]	14.4	<5.00	61.0	28.2	15,700
	04/03/01	12.57		113.22	0.00	2,870	11.2	5.63	50.2	35.3	5,140
125.52	08/14/01	14.31		111.21	0.00	<5,000	<50	<50	<50	<50	16,000

Table 1

Groundwater Monitoring and Analytical Results

Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	SPHT (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
EW-2 (cont)	11/16/01	14.21	--	111.31	0.00	2,300	3.2	0.58	13	6.3	4,100/5,300[15]
	02/15/02	13.74		111.78	0.00	3,500	26	<0.50	74	33	6,900/8,200[15]
	05/09/02	13.98		111.54	0.00	3,900	11	<0.50	14	2.5	24,000/22,000[15]
	08/05/02	14.11		111.41	0.00	3,600	<20	<1.0	20	6.5	15,000/14,000[15]
	11/04/02	14.97		110.55	0.00	3,100	7.1	<1.0	1.4	2.1	5,400/5,600[15]
	02/05/03	13.41		112.11	0.00	1,300	4.7	<2.0	0.65	<1.5	1,600/1,700[15]
	05/07/03	12.61		112.91	0.00	1,200	3.6	<2.0	6.5	2.5	1,900/2,400[15]
	08/11/03[16]	13.95		111.57	0.00	980	<0.5	<0.5	0.5	<0.5	350
	11/10/03[16]	**13.93**		**111.59**	**0.00**	**1,700**	**<0.5**	**<0.5**	**3**	**<0.5**	**1,500**
EW-3											
125.22	08/01/91	17.49	--	107.73	--	--	--	--	--	--	--
	10/27/93	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/13/94	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	04/22/94	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	07/29/94	--		--	--	<50	1.3	1.3	0.6	5.3	--
	10/25/94	16.20		109.02	--	--	--	--	--	--	--
	01/19/95	12.71		112.51	--	240	45	0.8	22	48	--
	04/03/97	12.33		112.89	--	450	140	<1.2	4.3	3.9	17
	10/07/97	14.58		110.64	--	1,900	510	<5.0	26	8.7	12
	04/14/98	INACCESSIBLE		--	--	--	--	--	--	--	--
	10/13/98	12.48		112.74	--	1,500	130	<2.5	9.0	4.7	3,600
	04/16/99	11.55		113.67	--	3,800	280	37	270	300	2,800
	07/29/99	INACCESSIBLE		--	--	--	--	--	--	--	--
	10/26/99	13.49		111.73	--	710	204	2.87	7.31	11.8	3,760
	04/07/00	11.41		113.81	0.00	1,100[8]	30	<5.0	20	48	2,800
	10/10/00	13.55		111.67	0.00	119[12]	2.77	<0.500	4.65	2.77	172
	04/03/01	12.73		112.49	0.00	1,910	22.3	7.23	136	116	16.1
	08/14/01	13.98		111.23	0.00	1,900[8]	130	<5.0	39	84	710
125.21	11/16/01	14.03		111.18	0.00	8,800	110	20	530	840	99/99[15]
	02/15/02	13.51		111.70	0.00	1,300	18	1.1	33	27	600/600[15]
	05/09/02	13.75		111.46	0.00	740	22	<0.50	15	10	390/360[15]
	08/05/02	14.28		110.93	0.00	8,200	77	21	480	710	<20

Table 1

Groundwater Monitoring and Analytical Results

Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	SPHT (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
EW-3	11/04/02	14.92	–	110.29	0.00	4,300	45	2.9	110	83	<2.5/<2[15]
(cont)	02/05/03	13.34		111.87	0.00	1,800	45	1.7	32	16	<20
	05/07/03	12.87		112.34	0.00	860	14	<2.0	5.3	1.6	180/170[15]
	08/11/03[16]	13.86		111.35	0.00	2,500	7	5	190	130	0.7
	11/10/03[16]	**14.53**		**110.68**	**0.00**	**1,600**	**14**	**1**	**43**	**10**	**0.8**
TRIP BLANK											
TB-LB	02/20/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	05/22/91	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	05/22/91	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	11/13/91	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/30/92	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	04/23/92	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	07/27/92	--		--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/26/92	--		--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/29/93	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	04/30/93	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	07/14/93	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	10/27/93	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/13/94	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	04/22/94	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	07/29/94	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	10/25/94	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/19/95	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	05/01/95	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	10/12/95	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/11/96	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/03/96	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	04/03/97	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/07/97	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/14/98	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/13/98	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/16/99	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5

Table 1

Groundwater Monitoring and Analytical Results

Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	SPHT (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
Trip Blank	04/07/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
(cont)	10/10/00	--		--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	04/03/01	--		--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500
	08/14/01	--		--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA	11/16/01	--		--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	02/15/02	--		--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	05/09/02	--		--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	08/05/02	--		--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	11/04/02	--		--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	02/05/03	--		--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	05/07/03	--		--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
	08/11/03[16]	--		--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	11/10/03[16]	**--**		**--**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

Table 1

Groundwater Monitoring and Analytical Results

Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to April 7, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing
(ft.) = Feet
DTW = Depth to Water
S.I. = Screen Interval
(ft.bgs) = Feet Below Ground Surface
GWE = Groundwater Elevation
(msl) = Mean sea level

SPHT = Separate Phase Hydrocarbon Thickness
TPH-G = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion
-- = Not Measured/Not Analyzed
(D) = Duplicate
ND = Not Detected
QA = Quality Assurance/Trip Blank

* TOC elevations were surveyed on September 16, 2000, by Virgil Chavez Land Surveying. The benchmark used for the survey was a copper disc set in the top of headwall on the east side of Foothill, approximately 158 feet south of Miramar Avenue, stamped EBMUD 17B, (Benchmark Elev. = 127.162 feet, NAVD 29).

1 Total Petroleum Hydrocarbons as Diesel (TPH-D) was ND with a detection limit of 1,000 ppb and Total Oil and Grease (TOG) was ND with a detection limit of 5,000 ppb.
2 TOG was ND with a detection limit of 5,000 ppb.
3 Ethylene dibromide (EDB) was <0.05 ppb.
4 EDB was detected at 2.4 ppb.
5 EDB was <0.02 ppb.
6 ORC installed.
7 TOC altered due to wellhead maintenance.
8 Laboratory report indicates gasoline C6-C12.
9 ORC in well.
10 Well development performed.
11 Laboratory report indicates unidentified hydrocarbons C6-C8.
12 Laboratory report indicates weathered gasoline C6-C12.
13 ORC removed from well.
14 Laboratory report indicates unidentified hydrocarbons C6-C12.
15 MTBE by EPA Method 8260.
16 BTEX and MTBE by EPA Method 8260.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-8	11/04/02	--	250	17,000	<3.0	<3.0	2,600	<3.0	<3.0
	02/05/03	--	--	18,000	--	--	--	--	--
	05/07/03	--	--	13,000	--	--	--	--	--
	08/11/03	<1,000	<100	13,000	<10	<10	2,200	<10	<10
	11/10/03[1]	--	--	**13,000**	--	--	--	--	--
MW-9	11/04/02	--	<100	520	<2	<2	88	<2	<2
	02/05/03	--	--	340	--	--	--	--	--
	05/07/03	--	--	390	--	--	--	--	--
	08/11/03	<50	<5	370	<0.5	<0.5	69	<0.5	<0.5
	11/10/03[1]	--	--	**190**	--	--	--	--	--
MW-10	11/04/02	--	<100	<2	<2	<2	<2	<2	<2
	08/11/03	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/10/03[1]	--	--	**<0.5**	--	--	--	--	--
MW-11	11/04/02	--	<100	<2	<2	<2	<2	<2	<2
	08/11/03	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/10/03[1]	--	--	**<0.5**	--	--	--	--	--
MW-12	11/04/02	--	<100	<2	<2	<2	<2	<2	<2
	08/11/03	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/10/03[1]	--	--	**<0.5**	--	--	--	--	--
MW-13	11/04/02	--	<100	<2	<2	<2	<2	<2	<2
	08/11/03	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/10/03[1]	--	--	**<0.5**	--	--	--	--	--

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-14	11/04/02	--	<100	4,700	<2	<2	680	<2	<2
	02/05/03	--	--	4,500	--	--	--	--	--
	05/07/03	--	--	1,800	--	--	--	--	--
	08/11/03	<100	<10	1,500	<1	<1	270	<1	<1
	11/10/03[1]	**--**	**--**	**1,700**	**--**	**--**	**--**	**--**	**--**
EW-2	11/04/02	--	550	5,600	<2.0	<2.0	850	<2.0	<2.0
	02/05/03	--	--	1,700	--	--	--	--	--
	05/07/03	--	--	2,400	--	--	--	--	--
	08/11/03	<50	47	350	<0.5	<0.5	120	<0.5	<0.5
	11/10/03[1]	**--**	**--**	**1,500**	**--**	**--**	**--**	**--**	**--**
EW-3	11/04/02	--	<100	<2	<2	<2	<2	<2	<2
	05/07/03	--	--	170	--	--	--	--	--
	08/11/03	<50	<5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5
	11/10/03[1]	**--**	**--**	**0.8**	**--**	**--**	**--**	**--**	**--**

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

EXPLANATIONS:

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
(ppb) = Parts per billion
-- = Not Analyzed

[1] Analysis inadvertently omitted.

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Products Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-8139 Job Number: 386461
Site Address: 16304 Foothill Blvd. Event Date: 11/10/03 (inclusive)
City: San Leandro, CA Sampler: Jim Hearer

Well ID MW-8 Date Monitored: 11/10/03 Well Condition: ok
Well Diameter (2) 4 in.
Total Depth 30.95 ft.
Depth to Water 15.16 ft.
15.79 xVF .17 = 2.68 x3 (case volume) = Estimated Purge Volume: 8.05 gal.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
Disposable Bailer: X
Stainless Steel Bailer:
Stack Pump:
Suction Pump:
Grundfos:
Other:

Sampling Equipment:
Disposable Bailer: X
Pressure Bailer:
Discrete Bailer:
Other:

Time Started: (2400 hrs)
Time Bailed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Product Transferred to:

Start Time (purge): 1110 Weather Conditions: Clear
Sample Time/Date: 1135 / 11/10/03 Water Color: Clear Odor: No
Purging Flow Rate: — gpm. Sediment Description: Light
Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
1117	2.5	7.38	833	21.6		
1123	5.0	7.30	851	21.4		
1130	7.5	7.16	888	21.3		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ 8 OXYS(8260)

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-8139 Job Number: 386461
Site Address: 16304 Foothill Blvd. Event Date: 11/16/03 (inclusive)
City: San Leandro, CA Sampler: Jim Hearn

Well ID MW-9 Date Monitored: 11/16/03 Well Condition: GK
Well Diameter (2) 4 in.
Total Depth 26.85 ft.
Depth to Water 14.27 ft.
12.58 xVF .17 = 2.13 x3 (case volume) = Estimated Purge Volume: 6.4 gal.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
Disposable Bailer X
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Other:

Sampling Equipment:
Disposable Bailer X
Pressure Bailer
Discrete Bailer
Other:

Time Started: (2400 hrs)
Time Bailed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Product Transferred to:

Start Time (purge): 1035 Weather Conditions: Clear
Sample Time/Date: 1055 / 11/16/03 Water Color: Clear Odor: No
Purging Flow Rate: — gpm. Sediment Description: Silt
Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
1040	2	7.43	712	20.9		
1045	4	7.31	721	20.4		
1050	6	7.11	738	20.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ 8 OXYS(8260)

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-8139 Job Number: 386461
Site Address: 16304 Foothill Blvd. Event Date: 11/10/03 (inclusive)
City: San Leandro, CA Sampler: Jim Keegan

Well ID MW-10 Date Monitored: 11/10/03 Well Condition: See comments
Well Diameter 2 4 in.
Total Depth 29.30 ft.
Depth to Water 15.54 ft.
13.76 xVF .17 = 2.33 x3 (case volume) = Estimated Purge Volume: 7.0 gal.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
Disposable Bailer X
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Other:

Sampling Equipment:
Disposable Bailer X
Pressure Bailer
Discrete Bailer
Other:

Time Started: (2400 hrs)
Time Bailed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Product Transferred to:

Start Time (purge): 1000 Weather Conditions: Clear
Sample Time/Date: 1025 / 11/10/03 Water Color: Cloudy Odor: No
Purging Flow Rate: — gpm. Sediment Description: 1.3 ft
Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
1005	2	7.36	788	20.1		
1010	4	7.20	795	19.8		
1015	6	7.09	813	19.6		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ 8 OXYS(8260)

COMMENTS: Bottles are stripped

Add/Replaced Lock: X Add/Replaced Plug: X Size: 27

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-8139 Job Number: 386461
Site Address: 16304 Foothill Blvd. Event Date: 11/10/03 (inclusive)
City: San Leandro, CA Sampler: Jim Keamy

Well ID MW-11 Date Monitored: 11/10/03 Well Condition: ok
Well Diameter 2 4 in.
Total Depth 29.58 ft.
Depth to Water 13.06 ft.
16.52 xVF .17 = 2.80 x3 (case volume) = Estimated Purge Volume: 8.5/2 gal.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
Disposable Bailer X
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Other:

Sampling Equipment:
Disposable Bailer X
Pressure Bailer
Discrete Bailer
Other:

Time Started: (2400 hrs)
Time Bailed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Product Transferred to:

Start Time (purge): 1410 Weather Conditions: Clear
Sample Time/Date: 1440 11/10/03 Water Color: Cloudy Odor: no
Purging Flow Rate: — gpm. Sediment Description: 1.5 ft
Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
1417	2.5	7.31	589	19.6		
1423	5.0	7.19	576	19.3		
1430	7.5	7.04	552	19.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-11	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ 8 OXYS(8260)

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-8139 Job Number: 386461
Site Address: 16304 Foothill Blvd. Event Date: 11/10/03 (inclusive)
City: San Leandro, CA Sampler: Jim Keeler

Well ID MW-13 Date Monitored: 11/10/03 Well Condition: ok
Well Diameter Ø 4 in.
Total Depth 33.18 ft.
Depth to Water 12.51 ft.
20.67 xVF .17 = 3.56 x3 (case volume) = Estimated Purge Volume: 10.69 gal.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
Disposable Bailer X
Stainless Steel Bailer
Stack Pump X
Suction Pump
Grundfos
Other:

Sampling Equipment:
Disposable Bailer X
Pressure Bailer
Discrete Bailer
Other:

Time Started: (2400 hrs)
Time Bailed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Product Transferred to:

Start Time (purge): 1210 Weather Conditions: Clear
Sample Time/Date: 1225 / 11/10/03 Water Color: Cloudy Odor: No
Purging Flow Rate: 1 gpm. Sediment Description: Lt. Brn
Did well de-water? No If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
1213	3	7.19	661	20.9		
1216	6	7.30	644	20.6		
1219	9	7.02	613	20.4		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW D	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ 8 OXYS(8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-8139 Job Number: 386461
Site Address: 16304 Foothill Blvd. Event Date: 11/10/03 (inclusive)
City: San Leandro, CA Sampler: Jim Herren

Well ID MW-12 Date Monitored: 11/10/03 Well Condition: ok
Well Diameter (2) 4 in.
Total Depth 28.10 ft.
Depth to Water 12.77 ft.
15.33 xVF .17 = 2.60 x3 (case volume) = Estimated Purge Volume: 7.81 gal.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
Disposable Bailer X
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Other:

Sampling Equipment:
Disposable Bailer X
Pressure Bailer
Discrete Bailer
Other:

Time Started: (2400 hrs)
Time Bailed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Product Transferred to:

Start Time (purge): 1325 Weather Conditions: Clear
Sample Time/Date: 1355 11/10/03 Water Color: Cloudy Odor: no
Purging Flow Rate: — gpm. Sediment Description: Turbid
Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1331	2.5	7.37	919	21.1		
1338	5.6	7.20	877	20.6		
1345	7.5	7.06	842	20.2		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-12	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ 8 OXYS(8260)

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-8139 Job Number: 386461
Site Address: 16304 Foothill Blvd. Event Date: 11/10/07 (inclusive)
City: San Leandro, CA Sampler: Jim Keenan

Well ID MW-14 Date Monitored: 11/10/07 Well Condition: OK
Well Diameter (2) 4 in.
Total Depth 28.70 ft.
Depth to Water 13.06 ft.
15.64 xVF .17 = 2.65 x3 (case volume) = Estimated Purge Volume: 7.97 gal.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
Disposable Bailer X
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Other:

Sampling Equipment:
Disposable Bailer X
Pressure Bailer
Discrete Bailer
Other:

Time Started: (2400 hrs)
Time Bailed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Product Transferred to:

Start Time (purge): 1240 Weather Conditions: Clear
Sample Time/Date: 1310 11/10/07 Water Color: Cloudy Odor: No
Purging Flow Rate: — gpm. Sediment Description: Light
Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
1247	2.5	7.44	749	21.0		
1253	5.0	7.31	740	20.9		
1300	7.5	7.25	718	20.7		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-14	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ 8 OXYS(8260)

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-8139 Job Number: 386461
Site Address: 16304 Foothill Blvd. Event Date: 11/10/07 (inclusive)
City: San Leandro, CA Sampler: Jim Hezzon

Well ID EW-2 Date Monitored: 11/10/07 Well Condition: ok
Well Diameter 2 10 in.
Total Depth 30.30 ft.
Depth to Water 13.93 ft.
16.37 xVF .66 = 10.80 x3 (case volume) = Estimated Purge Volume: 32.41 gal.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump X
Suction Pump
Grundfos
Other:

Sampling Equipment:
Disposable Bailer X
Pressure Bailer
Discrete Bailer
Other:

Time Started: (2400 hrs)
Time Bailed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Product Transferred to:

Start Time (purge): 1500 Weather Conditions: Clear
Sample Time/Date: 1520 11/10/07 Water Color: Clear Odor: Yes
Purging Flow Rate: 3 – gpm. Sediment Description: Light
Did well de-water? If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
1504	10	7.13	807	21.6		
1508	20	7.01	829	21.4		
1512	30	6.86	841	21.3		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
EW-2	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ 8 OXYS(8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-8139 Job Number: 386461
Site Address: 16304 Foothill Blvd. Event Date: 11/10/07 (inclusive)
City: San Leandro, CA Sampler: Jim Hector

Well ID EW-3 Date Monitored: 11/10/07 Well Condition: ok
Well Diameter 2 1 (4) in.
Total Depth 30.00 ft.
Depth to Water 14.53 ft.
15.47 xVF .66 = 10.21 x3 (case volume) = Estimated Purge Volume: 30.0 gal.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump X
Suction Pump
Grundfos
Other:

Sampling Equipment:
Disposable Bailer X
Pressure Bailer
Discrete Bailer
Other:

Time Started: (2400 hrs)
Time Bailed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Product Transferred to:

Start Time (purge): 1535 Weather Conditions: Clear
Sample Time/Date: 1600 11/10/07 Water Color: Clear Odor: Yes
Purging Flow Rate: 3 gpm. Sediment Description: Light
Did well de-water? No If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
1539	10	7.11	693	20.9		
1543	20	7.02	725	20.7		
1547	30	6.89	757	20.3		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
EW-3	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ 8 OXYS(8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size:

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

11203-007

Acct. #: 10904 For Lancaster Laboratories use only Sample #: 416510I-10 SCR#:

Gr. #874971

Facility #: SS#9-8139 G-R#386461 Global ID#T0600100303
Site Address: 16304 FOOTHILL BLVD., SAN LEANDRO, CA
Chevron PM: KS Lead Consultant: CAMBRIA
Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: Jim Heer
Service Order #: ☐ Non SAR:

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☒ Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy s on highest hit
☐ Run ____ oxy s on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water	Oil ☐ Air ☐	Total Number of Containers	Preservation Codes: H	N	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐
QA	11/10/03		X			X		2		X	X	X				
MW-8		1135	X			X		6		X	X	X				
MW-9		1055	X			X		6		X	X	X				
MW-10		1025	X			X		6		X	X	X				
MW-4		1140	X			X		6		X	X	X				
MW-12		1305	X			X		6		X	X	X				
MW-13		1235	X			X		6		X	X	X				
MW-14		1310	X			X		6		X	X	X				
EW-2		1520	X			X		6		X	X	X				
EW-3		1600	X			X		6		X	X	X				

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I — Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by:	11/10/03	1700	Received by:	11/12/03	1457
Relinquished by:	11/12/03		Received by: Bernardo Arroyo	11/13/03	1400
Relinquished by: Bernardo Arroyo	11/13/03	1450	Received by: Airborne	11/13/03	
Relinquished by Commercial Carrier: UPS FedEx Other Airborne			Received by:	11/14/03	0935
Temperature Upon Receipt ____ C°			Custody Seals Intact? Yes No		

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 874971. Samples arrived at the laboratory on Friday, November 14, 2003. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			Lancaster Labs Number
QA-T-031110	NA	Water	4165101
MW-8-W-031110	Grab	Water	4165102
MW-9-W-031110	Grab	Water	4165103
MW-10-W-031110	Grab	Water	4165104
MW-11-W-031110	Grab	Water	4165105
MW-12-W-031110	Grab	Water	4165106
MW-13-W-031110	Grab	Water	4165107
MW-14-W-031110	Grab	Water	4165108
EW-2-W-031110	Grab	Water	4165109
EW-3-W-031110	Grab	Water	4165110

ELECTRONIC COPY TO	Gettler-Ryan	Attn: Cheryl Hansen
1 COPY TO	Cambria C/O Gettler- Ryan	Attn: Deanna L. Harding

Lancaster Laboratories

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Teresa L Cunningham at (717) 656-2300.

Respectfully Submitted,

Robert E. Mellinger
Senior Chemist, Coordinator

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4165101

QA-T-031110 NA Water GRD
Facility# 98139 Job# 386461
16304 Foothill San Leandr T0600100303 QA
Collected:11/10/2003 00:00

Account Number: 10904

Submitted: 11/14/2003 09:35
Reported: 12/03/2003 at 11:06
Discard: 01/03/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FOOTQ

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/17/2003 18:35	Michael F Barrow	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 19:30	Elizabeth M Taylor	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/17/2003 18:35	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/18/2003 19:30	Elizabeth M Taylor	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax:717-656-2681• www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4165102

MW-8-W-031110 Grab Water
Facility# 98139 Job# 386461 GRD
16304 Foothill San Leandr T0600100303 MW-8
Collected:11/10/2003 11:35 by JH

Account Number: 10904

Submitted: 11/14/2003 09:35
Reported: 12/03/2003 at 11:06
Discard: 01/03/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FOOT8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	2,600.	1,000.	ug/l	20
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	13,000.	100.	ug/l	200
05401	Benzene	71-43-2	N.D.	10.	ug/l	20
05407	Toluene	108-88-3	N.D.	10.	ug/l	20
05415	Ethylbenzene	100-41-4	N.D.	10.	ug/l	20
06310	Xylene (Total)	1330-20-7	N.D.	10.	ug/l	20
	Due to the level of methyl t-butyl ether, the reporting limits for all GC/MS volatile compounds were raised.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/17/2003 19:03	Michael F Barrow	20
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 19:57	Elizabeth M Taylor	20
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 20:25	Elizabeth M Taylor	200
01146	GC VOA Water Prep	SW-846 5030B	1	11/17/2003 19:03	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/18/2003 19:57	Elizabeth M Taylor	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4165103

MW-9-W-031110 Grab Water
Facility# 98139 Job# 386461 GRD
16304 Foothill San Leandr T0600100303 MW-9
Collected:11/10/2003 10:55 by JH

Account Number: 10904

Submitted: 11/14/2003 09:35
Reported: 12/03/2003 at 11:06
Discard: 01/03/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FOOT9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	53.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	190.	3.	ug/l	5
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/17/2003 19:32	Michael F Barrow	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 17:15	Elizabeth M Taylor	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 17:42	Elizabeth M Taylor	5
01146	GC VOA Water Prep	SW-846 5030B	1	11/17/2003 19:32	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/18/2003 17:15	Elizabeth M Taylor	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4165104

MW-10-W-031110 Grab Water
Facility# 98139 Job# 386461 GRD
16304 Foothill San Leandr T0600100303 MW-10
Collected:11/10/2003 10:25 by JH

Account Number: 10904

Submitted: 11/14/2003 09:35
Reported: 12/03/2003 at 11:06
Discard: 01/03/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FOO10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/17/2003 20:01	Michael F Barrow	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 09:51	Lauren C Marzario	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/17/2003 20:01	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/18/2003 09:51	Lauren C Marzario	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4165105

MW-11-W-031110 Grab Water
Facility# 98139 Job# 386461 GRD
16304 Foothill San Leandr T0600100303 MW-11
Collected:11/10/2003 14:40 by JH

Account Number: 10904

Submitted: 11/14/2003 09:35
Reported: 12/03/2003 at 11:06
Discard: 01/03/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FOO11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/17/2003 20:30	Michael F Barrow	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 18:09	Elizabeth M Taylor	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/17/2003 20:30	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/18/2003 18:09	Elizabeth M Taylor	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4165106

MW-12-W-031110 Grab Water
Facility# 98139 Job# 386461 GRD
16304 Foothill San Leandr T0600100303 MW-12
Collected:11/10/2003 13:55 by JH

Account Number: 10904

Submitted: 11/14/2003 09:35
Reported: 12/03/2003 at 11:06
Discard: 01/03/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FO012

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/17/2003 20:59	Michael F Barrow	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 18:36	Elizabeth M Taylor	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/17/2003 20:59	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/18/2003 18:36	Elizabeth M Taylor	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4165107

MW-13-W-031110 Grab Water
Facility# 98139 Job# 386461 GRD
16304 Foothill San Leandr T0600100303 MW-13
Collected:11/10/2003 12:25 by JH

Account Number: 10904

Submitted: 11/14/2003 09:35
Reported: 12/03/2003 at 11:06
Discard: 01/03/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FOO13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/17/2003 21:28	Michael F Barrow	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 19:03	Elizabeth M Taylor	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/17/2003 21:28	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/18/2003 19:03	Elizabeth M Taylor	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4165108

MW-14-W-031110 Grab Water
Facility# 98139 Job# 386461 GRD
16304 Foothill San Leandr T0600100303 MW-14
Collected:11/10/2003 13:10 by JH

Account Number: 10904

Submitted: 11/14/2003 09:35
Reported: 12/03/2003 at 11:07
Discard: 01/03/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FO014

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	360.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	1,700.	13.	ug/l	25
05401	Benzene	71-43-2	N.D.	1.	ug/l	2.5
05407	Toluene	108-88-3	N.D.	1.	ug/l	2.5
05415	Ethylbenzene	100-41-4	N.D.	1.	ug/l	2.5
06310	Xylene (Total)	1330-20-7	N.D.	1.	ug/l	2.5
	Due to the level of methyl t-butyl ether, the reporting limit(s) for all GC/MS volatile compounds were raised.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/18/2003 07:50	Todd T Smythe	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 20:52	Elizabeth M Taylor	2.5
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 21:19	Elizabeth M Taylor	25
01146	GC VOA Water Prep	SW-846 5030B	1	11/18/2003 07:50	Todd T Smythe	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/18/2003 20:52	Elizabeth M Taylor	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4165109

EW-2-W-031110 Grab Water
Facility# 98139 Job# 386461 GRD
16304 Foothill San Leandr T0600100303 EW-2
Collected:11/10/2003 15:20 by JH

Account Number: 10904

Submitted: 11/14/2003 09:35
Reported: 12/03/2003 at 11:07
Discard: 01/03/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FOOT2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	1,700.	500.	ug/l	10
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	1,500.	10.	ug/l	20
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	3.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/17/2003 22:25	Michael F Barrow	10
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 21:46	Elizabeth M Taylor	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/19/2003 11:02	Lauren C Marzario	20
01146	GC VOA Water Prep	SW-846 5030B	1	11/17/2003 22:25	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/18/2003 21:46	Elizabeth M Taylor	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	11/19/2003 11:02	Lauren C Marzario	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4165110

EW-3-W-031110 Grab Water
Facility# 98139 Job# 386461 GRD
16304 Foothill San Leandr T0600100303 EW-3
Collected:11/10/2003 16:00 by JH

Account Number: 10904

Submitted: 11/14/2003 09:35
Reported: 12/03/2003 at 11:07
Discard: 01/03/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FOOT3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	1,600.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.8	0.5	ug/l	1
05401	Benzene	71-43-2	14.	0.5	ug/l	1
05407	Toluene	108-88-3	1.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	43.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	10.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/17/2003 22:54	Michael F Barrow	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 22:14	Elizabeth M Taylor	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/17/2003 22:54	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/18/2003 22:14	Elizabeth M Taylor	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/03/03 at 11:07 AM

Group Number: 874971

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 03321A08B	Sample number(s): 4165101-4165107,4165109-4165110							
TPH-GRO - Waters	N.D.	50.	ug/l	117		70-130		
Batch number: 03321A08C	Sample number(s): 4165108							
TPH-GRO - Waters	N.D.	50.	ug/l	117		70-130		
Batch number: P033222AA	Sample number(s): 4165104							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	84		77-127		
Benzene	N.D.	0.5	ug/l	87		85-117		
Toluene	N.D.	0.5	ug/l	86		85-115		
Ethylbenzene	N.D.	0.5	ug/l	87		82-119		
Xylene (Total)	N.D.	0.5	ug/l	88		84-120		
Batch number: P033222AB	Sample number(s): 4165101-4165103,4165105-4165110							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	84		77-127		
Benzene	N.D.	0.5	ug/l	87		85-117		
Toluene	N.D.	0.5	ug/l	86		85-115		
Ethylbenzene	N.D.	0.5	ug/l	87		82-119		
Xylene (Total)	N.D.	0.5	ug/l	88		84-120		
Batch number: P033232AA	Sample number(s): 4165109							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	93		77-127		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 03321A08B	Sample number(s): 4165101-4165107,4165109-4165110								
TPH-GRO - Waters	119	113	63-154	2	30				
Batch number: 03321A08C	Sample number(s): 4165108								
TPH-GRO - Waters	119	113	63-154	2	30				
Batch number: P033222AA	Sample number(s): 4165104								
Methyl Tertiary Butyl Ether	89	90	69-134	1	30				
Benzene	94	95	83-128	1	30				
Toluene	96	94	83-127	2	30				
Ethylbenzene	97	95	82-129	2	30				
Xylene (Total)	97	96	82-130	1	30				
Batch number: P033222AB	Sample number(s): 4165101-4165103,4165105-4165110								
Methyl Tertiary Butyl Ether	89	90	69-134	1	30				
Benzene	94	95	83-128	1	30				
Toluene	96	94	83-127	2	30				
Ethylbenzene	97	95	82-129	2	30				
Xylene (Total)	97	96	82-130	1	30				
Batch number: P033232AA	Sample number(s): 4165109								
Methyl Tertiary Butyl Ether	94	97	69-134	3	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/03/03 at 11:07 AM

Group Number: 874971

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters
Batch number: 03321A08B

	Trifluorotoluene-F
4165101	110
4165102	111
4165103	113
4165104	113
4165105	108
4165106	111
4165107	111
4165109	115
4165110	134
Blank	111
LCS	116
MS	145
MSD	142
Limits:	57-146

Analysis Name: TPH-GRO - Waters
Batch number: 03321A08C

	Trifluorotoluene-F
Blank	108
LCS	116
MS	145
MSD	142
Limits:	57-146

Analysis Name: BTEX+MTBE by 8260B
Batch number: P033222AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4165104	96	93	98	90
Blank	95	92	97	91
LCS	95	92	96	92
MS	95	92	98	91
MSD	95	92	98	92
Limits:	81-120	82-112	85-112	83-113

Analysis Name: BTEX+MTBE by 8260B
Batch number: P033222AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4165101	95	91	98	90
4165102	95	91	98	90
4165103	95	91	99	91
4165105	96	93	97	90
4165106	95	90	96	90
4165107	95	91	98	90
4165108	95	91	98	90
4165109	94	90	98	93
4165110	94	92	97	92
Blank	96	93	99	90

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 874971
Reported: 12/03/03 at 11:07 AM

Surrogate Quality Control

LCS	95	92	96	92
MS	95	92	98	91
MSD	95	92	98	92
Limits:	81-120	82-112	85-112	83-113

Analysis Name: 8260 Master Scan (water)
Batch number: P033232AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	96	93	98	91
LCS	96	91	98	90
MS	96	90	98	90
MSD	97	92	98	91
Limits:	81-120	82-112	85-112	83-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

CAMBRIA

ATTACHMENT D

Historical Performance System Data

Table 1. Performance Summary, Chevron Service Station #9-8139, 16304 Foothill Blvd., San Leandro, CA

DATE SAMPLED		EFFLUENT TOTALIZER READING (gallons)	TOTAL FLOW (gallons)	FLOW BETWEEN READINGS (gallons)	DAYS BETWEEN READINGS	AVERAGE FLOW (gpm)	COMMENTS
08/01/91	a	--	1,450	0	0	0	
08/08/91		--	10,937	9,487	7	0.94	
08/30/91		--	31,773	20,836	22	0.66	
09/30/91		--	39,018	7,245	31	0.16	
10/29/91		--	54,838	15,820	29	0.38	
11/25/91		--	77,017	22,179	27	0.57	
12/27/91		--	103,263	26,246	32	0.57	
01/29/92		--	132,654	29,391	33	0.62	
01/31/92		--	133,529	875	2	0.30	
03/24/92	b	159,671	159,671	26,142	53	0.34	
04/29/92		169,869	169,869	10,198	36	0.20	
05/12/92		172,272	172,272	2,403	13	0.13	
06/09/92		176,660	176,660	4,388	28	0.11	
07/14/92		183,240	183,240	6,580	35	0.13	
08/11/92	c	183,240	186,152	2,912	28	0.07	
09/09/92	c	183,240	188,362	2,210	29	0.05	Effluent totalizer repaired.
10/07/92		184,862	189,984	1,622	28	0.04	
11/10/92		184,864	189,986	2	34	0.00	
12/24/92		184,864	189,986	0	44	0.00	
01/22/93		184,927	190,049	63	29	0.00	EW-3 not pumping.
02/10/93		189,700	194,822	4,773	19	0.17	
02/26/93	d	192,972	198,094	3,272	16	0.14	EW-3 pump replaced, controller repaired.
03/10/93		202,305	210,699	12,605	12	0.73	
04/05/93		244,046	252,440	41,741	26	1.11	System off upon arrival, relay contacts repaired, system restarted.
05/11/93		268,926	277,320	24,880	36	0.48	
06/17/93		307,389	315,783	38,463	37	0.72	
07/20/93		324,955	333,349	17,566	33	0.37	System off upon arrival due to clog in effluent line. Line cleared and system restarted.
08/18/93		353,614	362,008	28,659	29	0.69	System effluent routed to bypass irrigation tank. New totalizers installed in EW-1, EW-2, and EW-3.
08/25/93		361,071	369,465	7,457	7	0.74	Discharge hose in well EW-3 leaking. Hose repaired and system restarted.
09/16/93		382,175	390,569	21,104	22	0.67	
10/19/93		415,142	423,536	32,967	33	0.69	
11/11/93		439,806	448,200	24,664	23	0.74	
12/15/93		474,063	482,457	34,257	34	0.70	
01/26/94		524,975	533,369	50,912	42	0.84	
02/15/94		551,487	559,881	26,512	20	0.92	
03/21/94		598,396	606,790	46,909	34	0.96	
04/13/94		628,723	637,117	30,327	23	0.92	

-- Table 1 Contines on Next Page --

Table 1. Performance Summary, Chevron Service Station #9-8139, 16304 Foothill Blvd., San Leandro, CA

Abbreviations:
a = Values for 8/1/91 thru 1/31/92 based on data collected by Burlington Environmental Inc., Berkeley, CA
b = Weiss Asssociates begins operation and maintenance on 3/24/92
c = Due to effluent flow meter malfunction, flow between readings and total flow is based on influent totalizer readings taken on 7/14/92, 8/11/92, and 9/9/92
d = Geraghty and Miller, Richmond, California, repairs and readings performed.
gpm = gallons per minute
-- = not available

Table 2. Summary of Analytic Results, Chevron Service Station #9-8139, 16304 Foothill Blvd.
San Leandro, California

SAMPLE POINT	DATE SAMPLED		LAB	TPH-G	B	E	T	X
				<-------parts per billion (ppb)-------->				
SYSTEM INFLUENT	08/01/91	a	SPA	120	0.6	NA	NA	NA
	08/09/91		SPA	NA	NA	NA	NA	NA
	08/30/91		SPA	140	0.8	NA	NA	NA
	09/30/91		SPA	490	0.6	NA	NA	NA
	10/29/91		SPA	46,000	<15	NA	NA	NA
	11/25/91		SPA	<50	<0.5	NA	NA	NA
	12/27/91		SPA	<50	<0.5	NA	NA	NA
	03/24/92		SPA	<50	5.6	0.5	2.9	2.6
	04/29/92		SPA	62	<0.5	<0.5	<0.5	2.0
	05/12/92		SPA	66	<0.5	<0.5	<0.5	3.2
	06/09/92		SPA	<50	<0.5	<0.5	<0.5	1.5
	07/14/92		SPA	<50	<0.5	<0.5	<0.5	3.8
	08/11/92		SPA	<50	<0.5	<0.5	<0.5	<0.5
	09/09/92		SPA	<50	<0.5	<0.5	<0.5	<0.5
	10/07/92	b	SPA	<50	<0.5	<0.5	<0.5	<0.5
	11/10/92		SPA	<50	<0.5	<0.5	<0.5	<0.5
	01/22/93		SPA	4,300	420	42	330	460
	02/10/93		SPA	1,500	160	11	74	130
	03/10/93		SPA	<50	0.9	<0.5	0.6	<1.5
	04/05/93		SPA	3,200	340	58	300	320
	05/11/93		SPA	96	4	1	6.2	11
	06/17/93		SPA	<50	<0.5	<0.5	1.6	<1.5
	07/20/93		SPA	<50	10	<0.5	0.8	2.4
	08/18/93		SPA	<50	<0.5	<0.5	<0.5	<0.5
	09/16/93		SPA	<50	<0.5	<0.5	<0.5	<0.5
	10/19/93		SPA	<50	<0.5	<0.5	<0.5	<0.5
	11/11/93		SPA	<50	<0.5	<0.5	<0.5	<0.5
	12/15/93		SPA	<50	<0.5	<0.5	<0.5	<0.5
	01/26/94		SPA	<50	<0.5	<0.5	<0.5	<0.5
	02/15/94		SPA	<50	<0.5	<0.5	<0.5	<0.5
	03/21/94		SPA	<50	<0.5	<0.5	<0.5	<0.5
	04/13/94		SPA	<50	<0.5	<0.5	<0.5	<0.5
OIL/WATER SEPARATOR EFFLUENT	08/01/91		SPA	NA	NA	NA	NA	NA
	08/09/91		SPA	NA	NA	NA	NA	NA
	08/30/91		SPA	NA	NA	NA	NA	NA
	09/30/91		SPA	950	<0.5	NA	NA	NA
	10/29/91		SPA	810	1.8	NA	NA	NA
	11/25/91		SPA	<50	0.7	NA	NA	NA
	12/27/91		SPA	<50	<0.5	NA	NA	NA
	03/24/92		SPA	NA	NA	NA	NA	NA
SYSTEM MIDPOINT/ FIRST CARBON EFFLUENT	08/01/91		SPA	97	<0.5	NA	NA	NA
	08/09/91		SPA	NA	NA	NA	NA	NA
	08/30/91		SPA	300	0.7	NA	NA	NA
	09/30/91		SPA	<50	<0.5	NA	NA	NA
	10/29/91		SPA	<50	<0.5	NA	NA	NA
	11/25/91		SPA	<50	<0.5	NA	NA	NA

Table 2. Summary of Analytic Results, Chevron Service Station #9-8139, 16304 Foothill Blvd.
San Leandro, California
(continued)

SAMPLE POINT	DATE SAMPLED	LAB	TPH-G	B	E	T	X	pH	COD	TSS
			<-------parts per billion (ppb)-------->						mg/l	mg/l
SYSTEM MIDPOINT (continued)	12/27/91	SPA	<50	<0.5	NA	NA	NA			
	03/24/92	SPA	<50	<0.5	<0.5	<0.5	<0.5			
	04/29/92	SPA	<50	<0.5	<0.5	<0.5	<0.5			
	05/12/92	SPA	<50	<0.5	<0.5	<0.5	<0.5			
	06/09/92	SPA	<50	<0.5	<0.5	<0.5	<0.5			
	07/14/92	SPA	<50	<0.5	<0.5	<0.5	<0.5			
	08/11/92	SPA	<50	<0.5	<0.5	<0.5	<0.5			
	09/09/92	SPA	<50	<0.5	<0.5	<0.5	<0.5			
	10/07/92	SPA	<50	<0.5	<0.5	<0.5	<0.5			
	11/10/92	SPA	<50	<0.5	<0.5	<0.5	<0.5			
	01/22/93	SPA	<50	<0.5	<0.5	<0.5	<0.5			
	02/10/93	SPA	<50	<0.5	<0.5	<0.5	<0.5			
	03/10/93	SPA	<50	<0.5	<0.5	<0.5	<1.5			
	04/05/93	SPA	<50	<0.5	<0.5	<0.5	<1.5			
	05/11/93	SPA	<50	<0.5	<0.5	<0.5	<1.5			
	06/17/93	SPA	<50	<0.5	<0.5	<0.5	<1.5			
	07/20/93	SPA	<50	<0.5	<0.5	<0.5	<1.5			
	08/18/93	SPA	<50	<0.5	<0.5	<0.5	<1.5			
	09/16/93	SPA	<50	<0.5	<0.5	<0.5	<1.5			
	10/19/93	SPA	<50	<0.5	<0.5	<0.5	<1.5			
	11/11/93	SPA	<50	<0.5	<0.5	<0.5	<1.5			
	12/15/93	SPA	<50	<0.5	<0.5	<0.5	<1.5			
	01/26/94	SPA	<50	<0.5	<0.5	<0.5	<1.5			
	02/15/94	SPA	<50	<0.5	<0.5	<0.5	<1.5			
	03/21/94	SPA	<50	<0.5	<0.5	<0.5	<1.5			
	04/13/94	SPA	<50	<0.5	<0.5	<0.5	<0.5			
SYSTEM EFFLUENT/ SECOND CARBON EFFLUENT	08/01/91	SPA	NA	NA	NA	NA	NA	5.4	NA	NA
	08/09/91	SPA	<50	<0.5	NA	NA	NA	8.2	NA	NA
	08/30/91	SPA	<50	<0.5	NA	NA	NA	6.5	NA	NA
	09/30/91	SPA	<50	<0.5	NA	NA	NA	6.1	NA	NA
	10/29/91	SPA	<50	<0.5	NA	NA	NA	5.8	11	<4.0
	11/25/91	SPA	<50	<0.5	NA	NA	NA	7.2	16	<10
	12/27/91	SPA	<50	<0.5	NA	NA	NA	7.8	<20	<4.0
	03/24/92	SPA/CEC	<50	<0.5	<0.5	<0.5	<0.5	7.1	<5.0	<4.0
	04/29/92	SPA/CEC	<50	<0.5	<0.5	<0.5	<0.5	7.2	13	<4.0
	05/12/92	SPA/CEC	<50	<0.5	<0.5	<0.5	<0.5	7.5	<5.0	<4.0
	06/09/92	SPA/CEC	<50	<0.5	<0.5	<0.5	<0.5	7.6	10	NA
	07/14/92	SPA/CEC	<50	<0.5	<0.5	<0.5	<0.5	7.4	13	<4.0
	08/11/92	SPA/CEC	<50	<0.5	<0.5	<0.5	<0.5	7.9	280	<4.0
	09/09/92	SPA/CEC	<50	<0.5	<0.5	<0.5	<0.5	8.4	<5.0	<4.0
	10/07/92	SPA/CEC	<50	<0.5	<0.5	<0.5	<0.5	7.8	<5.0	<4.0
	11/10/92	SPA/CEC	<50	<0.5	<0.5	<0.5	<0.5	8.0	9.0	<4.0
	01/22/93	SPA/GTEL	<50	<0.5	<0.5	<0.5	<0.5	8.0	<5.0	<4.0
	02/10/93	SPA/GTEL	<50	<0.5	<0.5	<0.5	<0.5	6.7	<5.0	<4.0
	03/10/93	SPA/GTEL	<50	<0.5	<0.5	<0.5	<1.5	6.7	5.0	<4.0
	04/05/93 c	SPA	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA
	05/11/93	SPA	<50	<0.5	<0.5	<0.5	<1.5	7.4	<20.0	<4.0
	06/17/93	SPA	<50	<0.5	<0.5	<0.5	<1.5	7.2	NA	NA

Table 2. Summary of Analytic Results, Chevron Service Station #9-8139, 16304 Foothill Blvd.
San Leandro, California
(continued)

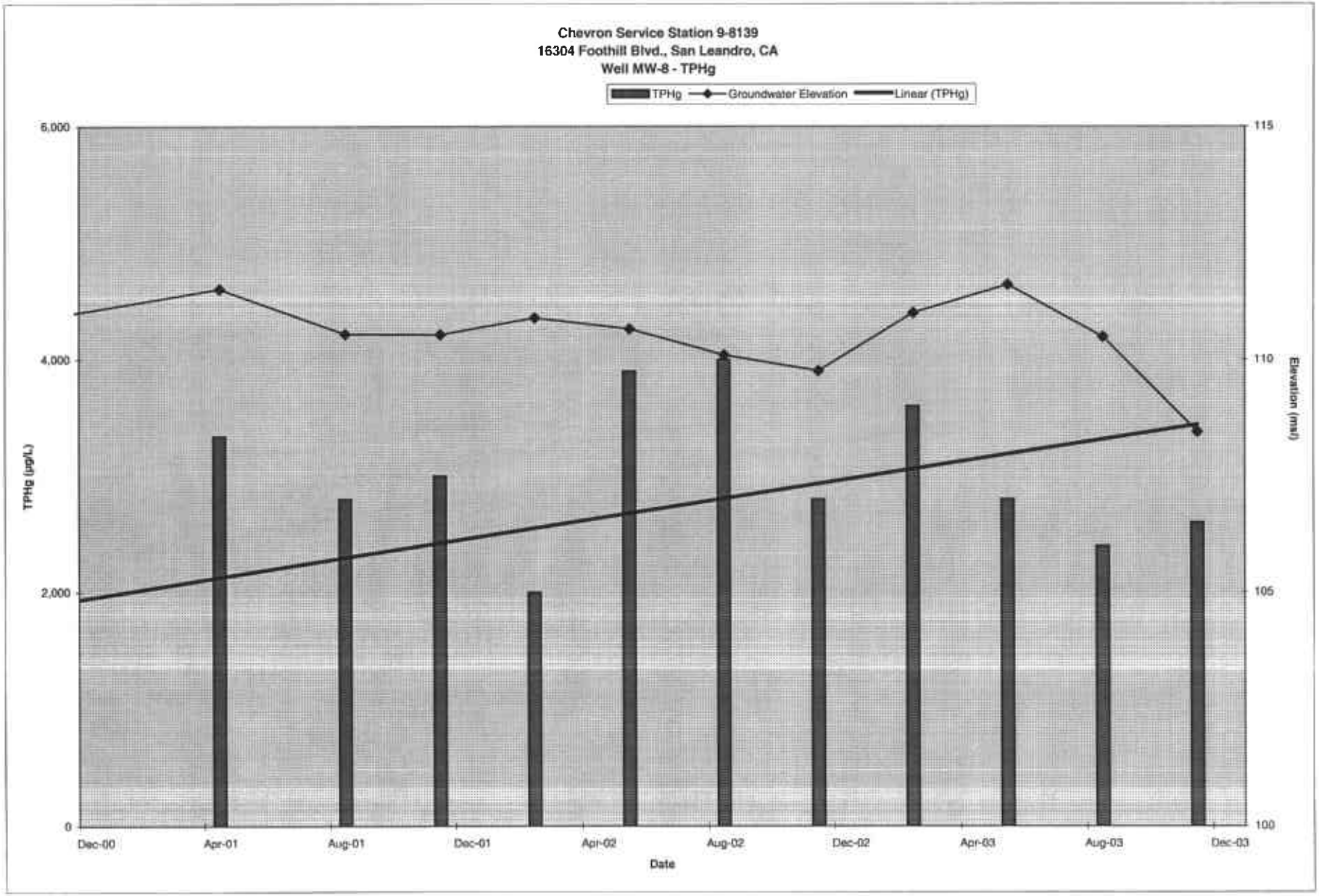
SAMPLE POINT	DATE SAMPLED	LAB	TPH-G	B	E	T	X	pH	COD	TSS
			<-------parts per billion (ppb)-------->						mg/l	mg/l
SYSTEM EFFLUENT/	07/20/93	SPA/SA	<50	<0.5	<0.5	<0.5	<1.5	7.5	<20.0	<4.0
SECOND CARBON	08/18/93	SPA	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA
EFFLUENT	09/16/93	SPA	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA
	10/19/93	SPA	<50	<0.5	<0.5	<0.5	<1.5	7.6	22.0	<4
	11/11/93	SPA	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA
	12/15/93	SPA	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA
	01/26/94	SPA	<50	<0.5	<0.5	<0.5	<1.5	7.9	NA	NA
	02/15/94	SPA	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA
	03/21/94	SPA	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA
	04/13/94	SPA	<50	<0.5	<0.5	<0.5	<0.5	8.24	ND	ND

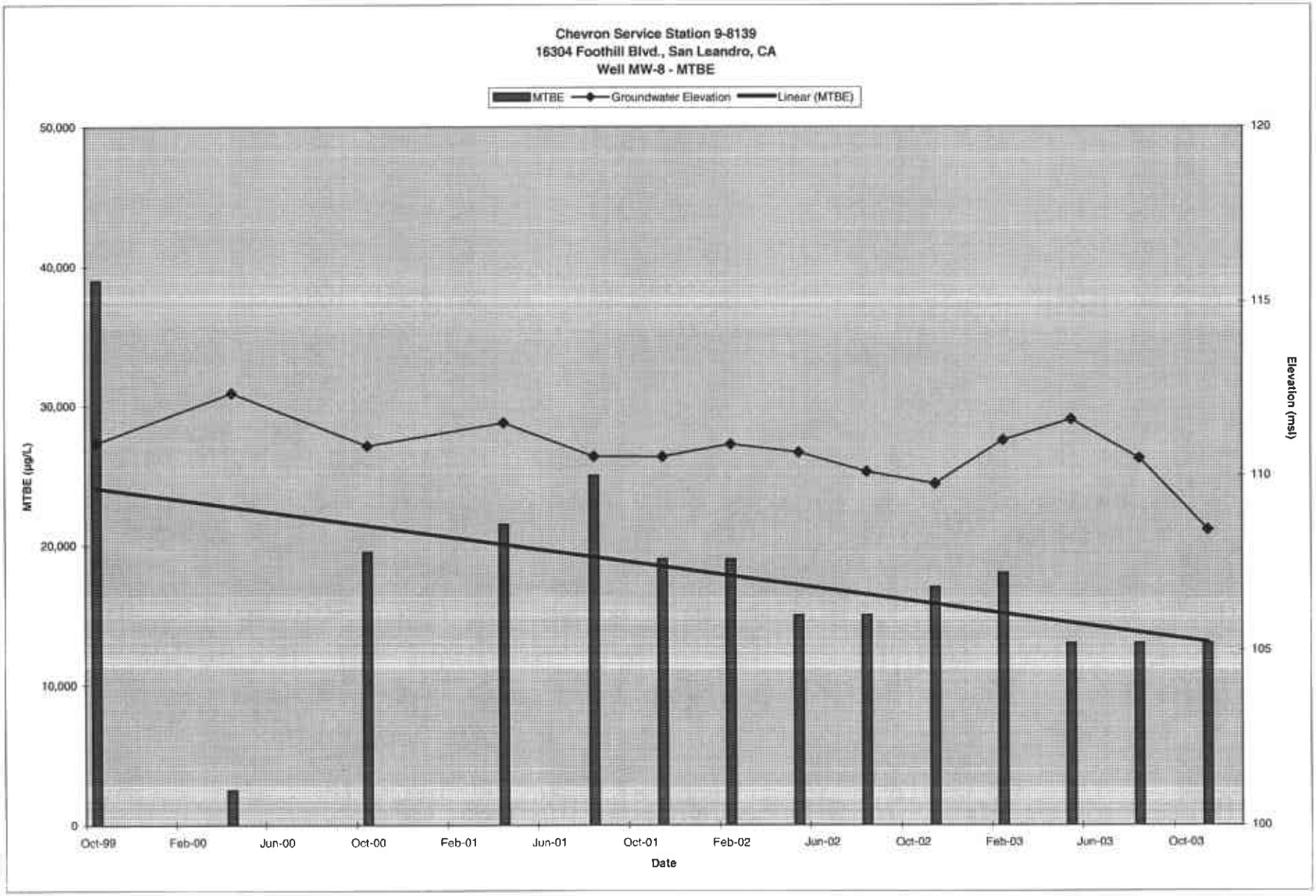
a = Values for 8/1/91 through 12/27/91 based on data collected by Burlington Environmental Inc., Berkeley, California
b = Field pH measurements begin
c = Sampling frequency for pH, COD, and TSS changed to quarterly, as approved on 4/5/93.
TPH-G = Total petroleum hydrocarbons as gasoline by Modified EPA Method 8015
B = Benzene by EPA Method 8020
E = Ethylbenzene by EPA Method 8020
T = Toluene by EPA Method 8020
X = Xylenes by EPA Mehtod 8020
COD = Chemical oxygen demand by EPA Method 410.4
TSS = Total suspended solids by EPA Method 160.1
<n = Not detected at detection limit of n ppb
CEC = Clayton Environmental Consultants, Pleasanton, California
GTEL = GTEL Environmental Laboratories, INC., Concord, California
SPA = Superior Precision Analytical Laboratory, Martinez, California
SA = Sequoia Analytical, Redwood City, California
NA = Not Analyzed
mg/l = milligrams per liter

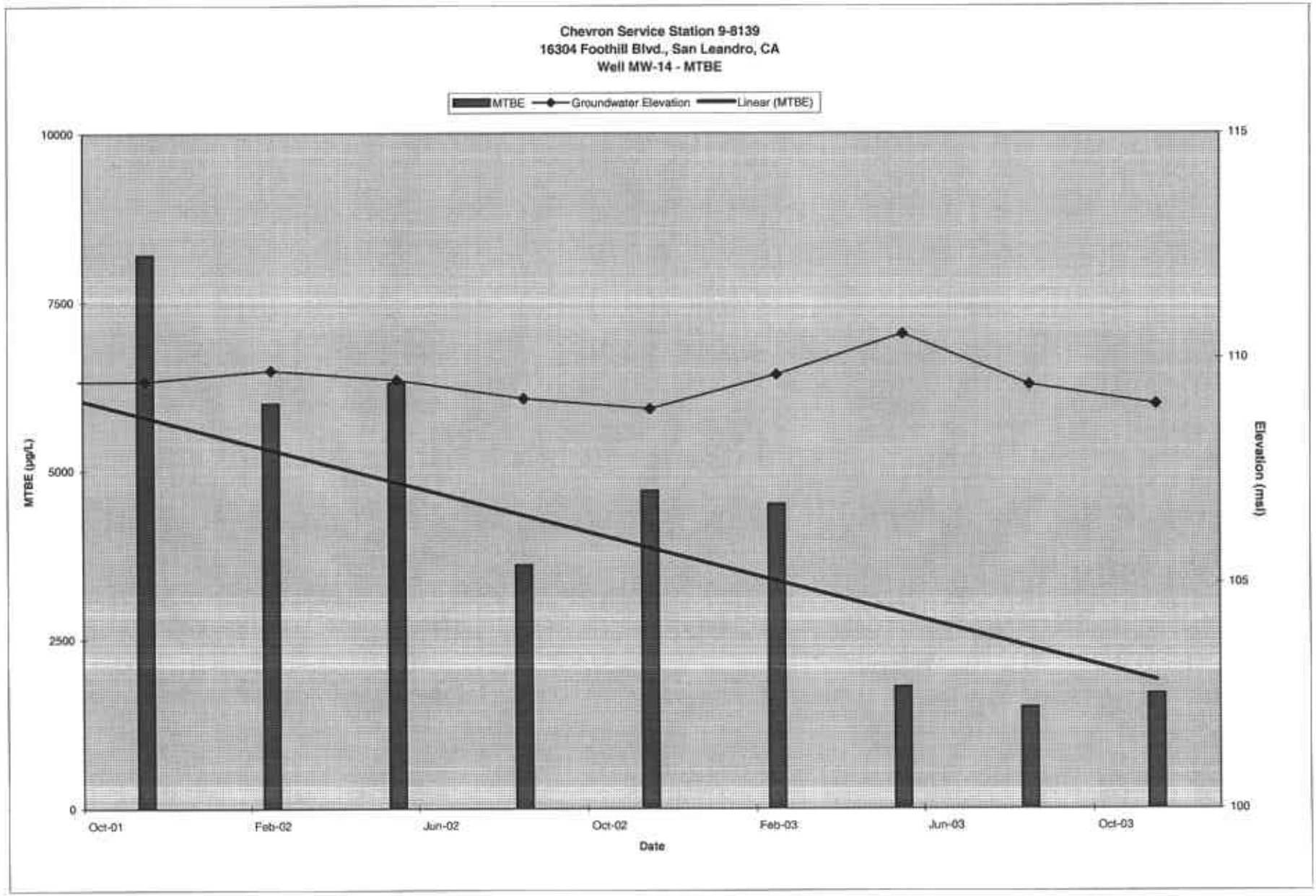
CAMBRIA

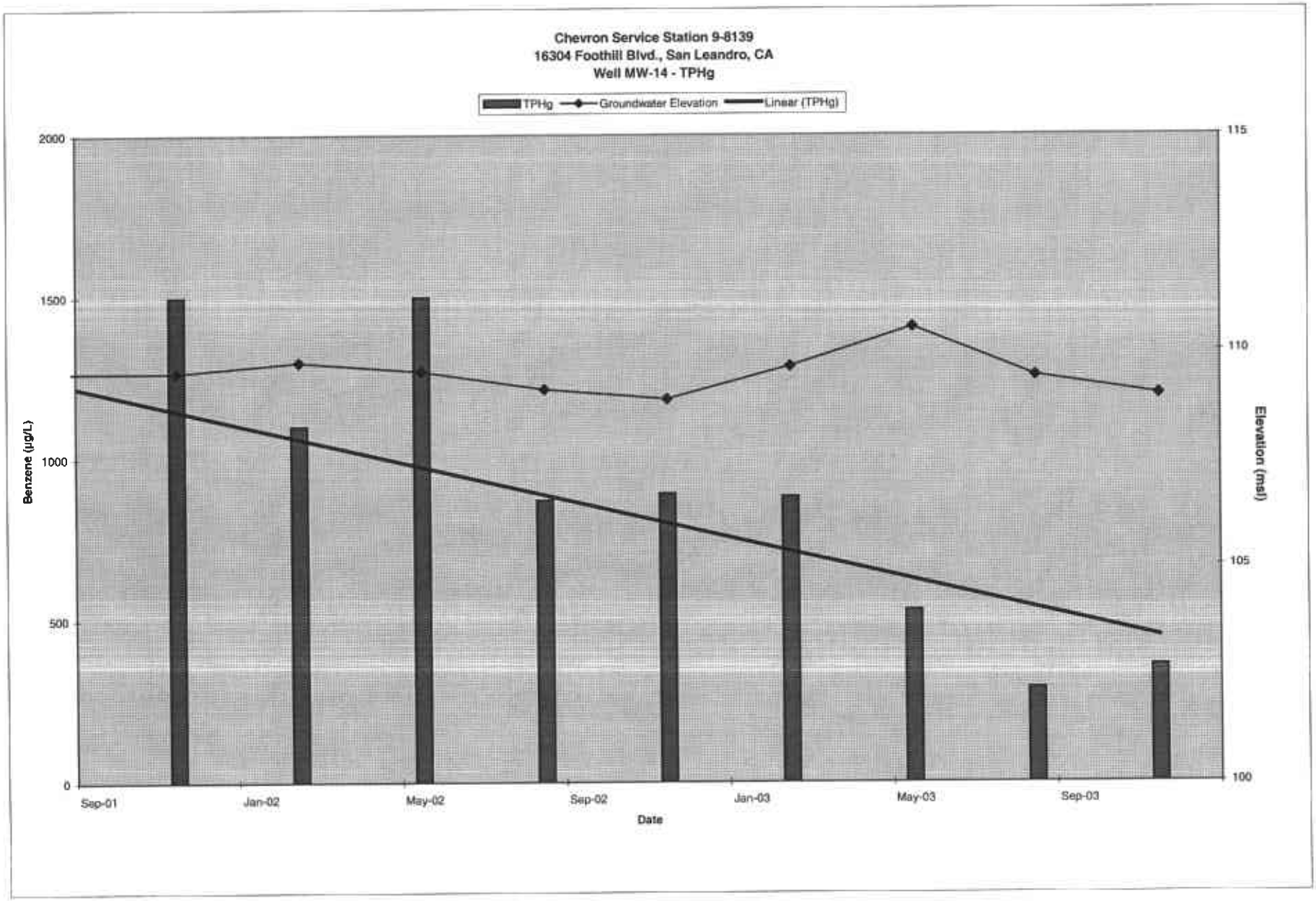
ATTACHEMENT E

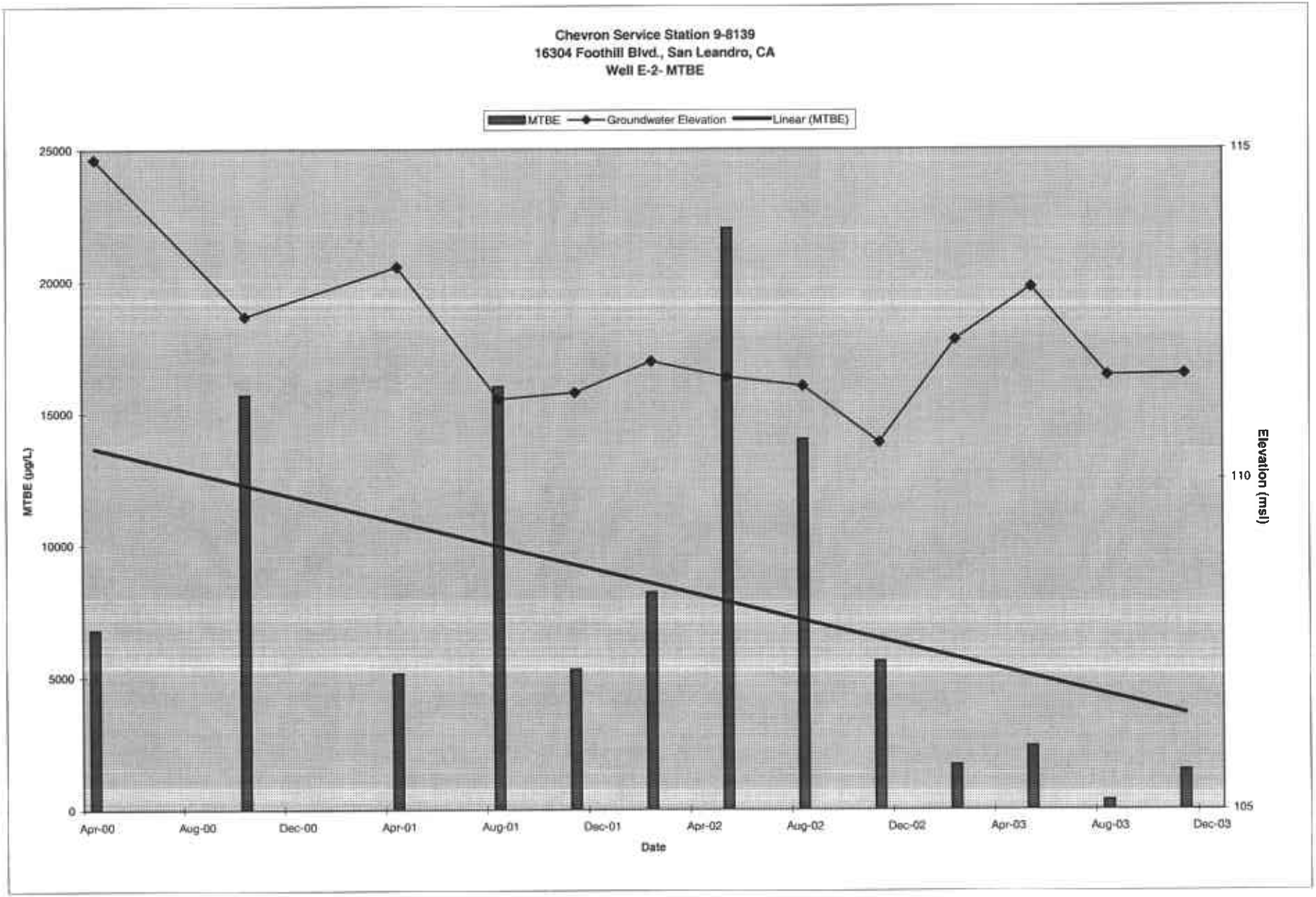
Graphs

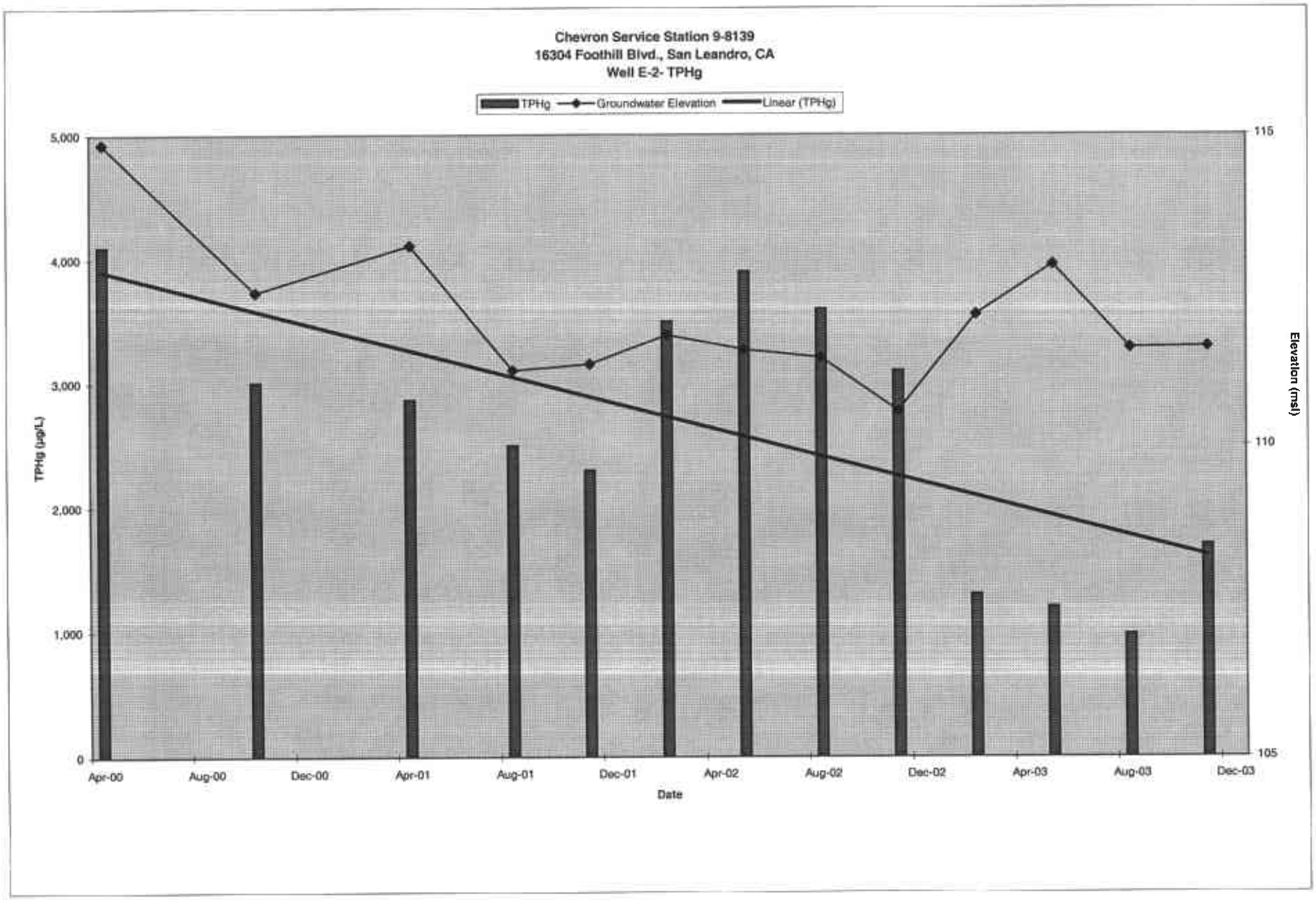

Chevron Service Station 9-8139
16304 Foothill Blvd., San Leandro, CA
Well MW-8 - TPHg
TPHg
Groundwater Elevation
Linear (TPHg)
6,000
4,000
2,000
0
TPHg (µg/L)
115
110
105
100
Elevation (msl)
Dec-00
Apr-01
Aug-01
Dec-01
Apr-02
Aug-02
Dec-02
Apr-03
Aug-03
Dec-03
Date


Chevron Service Station 9-8139
16304 Foothill Blvd., San Leandro, CA
Well MW-8 - MTBE
MTBE
Groundwater Elevation
Linear (MTBE)
MTBE (µg/L)
Elevation (msl)
50,000
40,000
30,000
20,000
10,000
0
120
115
110
105
100
Oct-99
Feb-00
Jun-00
Oct-00
Feb-01
Jun-01
Oct-01
Feb-02
Jun-02
Oct-02
Feb-03
Jun-03
Oct-03
Date


Chevron Service Station 9-8139
16304 Foothill Blvd., San Leandro, CA
Well MW-14 - MTBE
MTBE
Groundwater Elevation
Linear (MTBE)
MTBE (µg/L)
Elevation (msl)
10000
7500
5000
2500
0
115
110
105
100
Oct-01
Feb-02
Jun-02
Oct-02
Feb-03
Jun-03
Oct-03
Date


Chevron Service Station 9-8139
16304 Foothill Blvd., San Leandro, CA
Well MW-14 - TPHg
TPHg
Groundwater Elevation
Linear (TPHg)
Benzene (µg/L)
2000
1500
1000
500
0
Elevation (msl)
115
110
105
100
Sep-01
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
Date


Chevron Service Station 9-8139
16304 Foothill Blvd., San Leandro, CA
Well E-2- MTBE
MTBE
Groundwater Elevation
Linear (MTBE)
MTBE (µg/L)
Elevation (msl)
Date
25000
20000
15000
10000
5000
0
115
110
105
Apr-00
Aug-00
Dec-00
Apr-01
Aug-01
Dec-01
Apr-02
Aug-02
Dec-02
Apr-03
Aug-03
Dec-03


Chevron Service Station 9-8139
16304 Foothill Blvd., San Leandro, CA
Well E-2- TPHg
TPHg
Groundwater Elevation
Linear (TPHg)
TPHg (µg/L)
5,000
4,000
3,000
2,000
1,000
0
Elevation (msl)
115
110
105
Apr-00
Aug-00
Dec-00
Apr-01
Aug-01
Dec-01
Apr-02
Aug-02
Dec-02
Apr-03
Aug-03
Dec-03
Date

CAMBRIA

ATTACHMENT F

Receptor Data

Table 3
WATER SUPPLY WELLS
Chevron Service Station No. 9-8139

	OWNER	WELL LOCATION	WELL DESIGNATION			USE
1)	Hayward Municipal Water System	Julia Street, Castro Valley	3S/2W	5A	14	MUN
2)	UMEKI Nursery	16001 Foothill Blvd,San Leandro	3S/2W	5E	1	IRR
3)	U.S. Nursery	1767 162nd Ave., San Leandro	3S/2W	5E	2	ABN
4)	?	Foothill Blvd., San Leandro	3S/2W	5L	1	ABN
5)	Frank Martinez	1570 164th Ave., San Leandro	3S/2W	5L	2	ABN
6)	A.J. Pitcka	Gravel Rd., San Leandro	3S/2W	5L	3	IRR
7)	Woodward	1595 164th Ave., San Leandro	3S/2W	5L	4	IRR
8)	A. Quilici	1700 163rd Ave., San Leandro	3S/2W	5L	5	IRR
9)	Protez	1480 162nd Ave., San Leandro	3S/2W	5M	2	ABN
10)	Medina	?, San Leandro	3S/2W	5N	1	DOM
11)	Selin	1414 164th Ave., San Leandro	3S/2W	5N	2	IRR
12)	Namura Nursery	1501 163rd Ave., San Leandro	3S/2W	5N	3	IRR
13)	S. Nieda	1537 165th Ave., San Leandro	3S/2W	5P	1	IRR
14)	Nelson Nursery	1601 165th Ave., San Leandro	3S/2W	5P	2	ABN

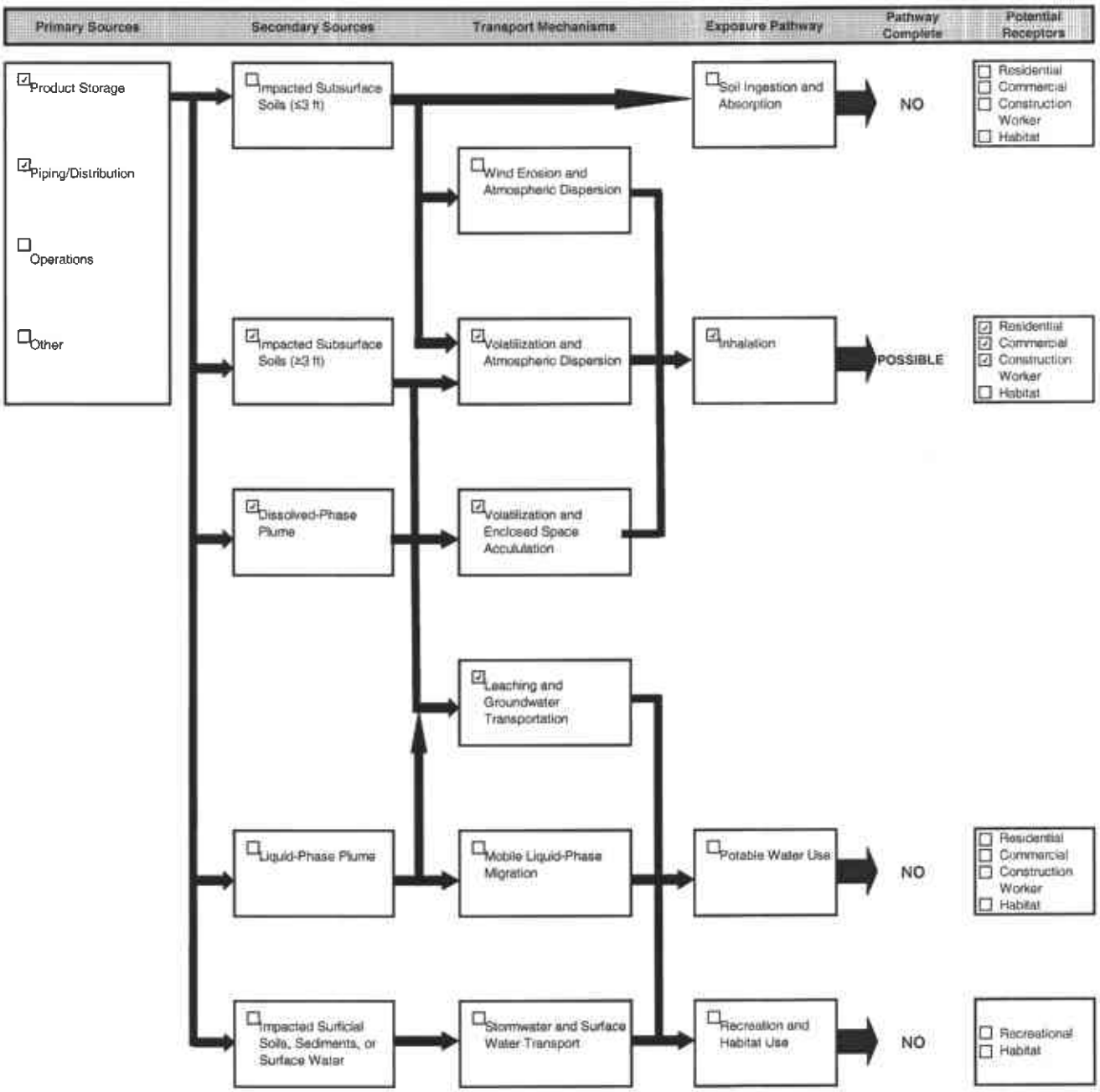
*USE:
ABN - Abandoned Well
DOM - Domestic Well
IRR - Irrigation Well
MUN - Municipal Well

CAMBRIA

ATTACHMENT G

Exposure Evaluation Flowchart

16304 Foothill Boulevard, San Leandro CA



Flowchart based on ASTM E1739