R0367

Shell Oil Products US

October 27, 2004

Roseanna Garcia-La Grille
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Shell-branded Service Station
1784 150th Avenue
San Leandro, California

Dear Ms. Garcia-La Grille:

Attached for your review and comment is a copy of the *Interim Remediation Work Plan* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, please feel free to contact me directly at (559) 645-9306 with any questions or concerns.

Sincerely,

Shell Oil Products US

Karen Petryna

Karen Petryna
Sr. Environmental Engineer

20945 S. Wilmington Ave., Carson, CA 90810 Phone (559) 645-9306 Facsimile (559) 645-5643

CAMBRIA

October 27, 2004

Roseanna Garcia-La Grille
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Interim Remediation Work Plan**
Shell-branded Service Station
1784 150th Avenue
San Leandro, California
Incident #: 98996068
Project #: 246-0612-009

Dear Ms. Garcia-La Grille:

Cambria Environmental Technology, Inc. (Cambria) prepared this work plan for interim remediation on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell). Hydrocarbon concentrations in groundwater near the west corner of the site remain elevated. The purpose of the proposed activity is to perform interim remediation in these areas in an effort to reduce these hydrocarbon concentrations in groundwater and progress the site towards closure. All activities proposed will be performed in accordance with Alameda County Health Care Services Agency guidelines.

SITE BACKGROUND

Site Location: The site is an operating Shell service station located at the southern corner of 150th Street and Freedom Avenue in San Leandro, California (Figures 1 and 2).

Local Topography: The base of the San Leandro hills is approximately 0.25 miles to the northeast. The site is about 50 feet above mean sea level, and the local topography slopes westward toward the San Francisco Bay, approximately 6 miles to the west.

Surroundings: The site is surrounded by mixed commercial and residential development.

Local Geology: Sediments beneath the site are Quaternary alluvial deposits derived from sedimentary and igneous rocks of the Diablo Range. The site is intersected by the Hayward Fault Zone. The site is underlain by low estimated permeability sediments (clay) with interspersed moderate estimated permeability sediments. During recent investigations at the site, soil

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consisted of silty clay, clayey silts and clayey sandy silt interlayed with sands and gravels to the total explored depth of 40 feet below grade (fbg). Available boring logs are presented as Attachment A.

Groundwater: Local drinking water is supplied by a utility, not groundwater. An area well survey in 1992 identified 21 wells within ½ mile of the site (Figure 1). As described below, the well survey was updated in October 2003. Groundwater depths have ranged between 17 and 30 fbg on site and between approximately 4 and 14 fbg in off-site well MW-4. Water level measurements have not shown a consistent or reliable groundwater flow direction, although the predominant groundwater flow direction since 1999 has been to the north-northwest. In June 2003, depth to groundwater measurements ranged from approximately 13 to 24 fbg, and the groundwater flow direction was to the northwest.

Previous Investigations

1986 Waste Oil Tank Removal: According to an October 13, 1989 letter from Weiss Associates (Weiss) to Shell, Petroleum Engineering of Santa Rosa, California removed a 550-gallon waste oil tank from the site in November 1986. Immediately following the tank removal, Blaine Tech Services (Blaine) of San Jose, California collected soil samples beneath the former tank at 8-foot and 11-foot depths. The soil samples contained petroleum oil and grease at 196 and 167 parts per million (ppm), respectively. The tank pit was overexcavated to a total depth of 16 feet, but soil samples were not collected. Groundwater was not encountered in the tank excavation. A new 550-gallon fiberglass waste oil tank was installed in the same location. Weiss' October 13, 1989 report summarizes the results.

1990 Well Installation: In March 1990, Weiss installed soil boring BH-A, which was converted to groundwater monitoring well MW-1 adjacent to the waste oil tank. In a soil sample collected from 29 fbg, 35 ppm total petroleum hydrocarbons as gasoline (TPHg) and 0.23 ppm benzene were detected. Table 1 summarizes historical soil analytical results.

1992 Well Installations: In February 1992, Weiss installed soil borings BH-B and BH-C, which were converted to monitoring wells MW-2 and MW-3. A soil sample collected near the water table from the boring for well MW-2 contained 79 ppm TPHg. Although well MW-3 is located over 100 feet upgradient of the tanks, up to 68 ppm TPHg was detected in soil from this boring. Weiss' April 27, 1992 *Subsurface Investigation* report summarizes the results

1994 Subsurface Investigation: In June 1994, Weiss drilled six soil borings (B-1 through B-6) around the site. No hydrocarbons were detected in soil samples from any borings, except for 0.013 ppm benzene in boring BH-3 at 16 fbg. Also, no hydrocarbons were detected in grab groundwater samples from borings BH-1, BH-4, BH-5 and BH-6. Groundwater from borings BH-2 and BH-3 contained over 5,000 parts per billion (ppb) TPHg. Results were reported by

Weiss in August 1994. Weiss' October 13, 1994 *Subsurface Investigation* report summarizes the results.

1995 Well Installation: In February and March 1995, Weiss drilled four soil borings (BH-7 through BH-10) and converted BH-10 to monitoring well MW-4. No petroleum hydrocarbons were detected in any of the soil samples. Up to 100 ppb TPHg and 1.0 ppb benzene were detected in grab groundwater samples from BH-7 and BH-9. No TPHg or benzene was detected in the grab groundwater sample from MW-4. Groundwater was not encountered in soil boring BH-8. Results are summarized in Weiss' May 16, 1995 *Well Construction Report* and June 13, 1995 *Subsurface Investigation Report and First Quarter 1995 Monitoring Results.*

1996 Soil Vapor Survey and Soil Sampling: In July 1996, Weiss conducted a subsurface investigation to obtain site-specific data for a risk-based corrective action (RBCA) evaluation of the site. Soil vapor and soil samples were collected from the vadose zone at 10 on- and off-site locations (SVS-1 through SVS-10). The highest soil vapor hydrocarbon concentrations were detected near the northwest corner of the underground storage tank (UST) complex (SVS-5 at 3.0 fbg, which contained 7,600 parts per billion by volume [ppmv] benzene). No TPHg, benzene, toluene, ethylbenzene, and xylenes (BTEX), or methyl tertiary butyl ether (MTBE) was detected in any of the soil samples except for 1.1 ppm TPHg detected in sample SVS-5 at 18 to 20 fbg. Weiss concluded that depleted oxygen concentrations and elevated carbon dioxide and methane concentrations in the vadose zone indicated that biodegradation was occurring. Results are summarized in Weiss' February 7, 1997 *Soil Vapor Summary Report.*

1997 RBCA Evaluation: In 1997, Weiss prepared a RBCA evaluation for the site. Results of the RBCA analysis indicated that concentrations of BTEX, MTBE, 1,2-dichloroethane, and tetrachloroethane detected in soil and groundwater beneath the site did not exceed a target risk level of 10^{-5} for residential indoor or outdoor air exposure pathways. However, a risk threshold exceedance was identified associated with ingestion of groundwater from a hypothetical well 25 feet downgradient of the source. Weiss' April 21, 1997 *Tier 1 and 2 RBCA Summary Report.*

1997 Dispenser and Turbine Sump Upgrade: The dispensers and turbine sumps at the station were upgraded in December 1997. Cambria collected soil samples Disp-A through Disp-D from beneath the dispenser islands during upgrade activities. Up to 590 ppm TPHg (Disp-C at 4.5 fbg), 1.8 ppm benzene (Disp-C at 2.0 fbg) and 1.4 ppm MTBE (Disp-C at 2.0 fbg) were detected. Cambria's March 27, 1998 *Dispenser Soil Sampling* report summarizes the results.

1998 Soil Vapor Survey and Soil Sampling: In November 1998, Cambria conducted a subsurface investigation to obtain site-specific data for a RBCA evaluation of the site. Soil samples, soil vapor samples and grab groundwater samples were collected from the vadose zone at three on-site and three off-site locations (SVS-11 through SVS-16). In soil vapor, maximum concentrations of 2.7 ppmv TPHg (C5+ hydrocarbons) and 0.17 ppmv TPHg

(C2-C4 hydrocarbons) were detected in borings SVS-14 and SVS-15, respectively, at 10 fbg. A maximum concentration 0.0099 ppmv benzene was detected in SVS-16 at 5 fbg. In soil, 1.6 ppm TPHg and 0.005 ppm benzene were detected in boring SVS-11 at 19.5 fbg. No TPHg or benzene was detected in any other soil samples. MTBE was reported at 0.029 ppm in boring SVS-14 at 19 fbg using EPA Method 8020; however, MTBE was not detected in this sample using EPA Method 8260. TPHg and benzene were detected using EPA Method 8020 in groundwater from borings SVS-11 and SVS-12. The highest concentrations (130,000 ppb TPHg and 18,000 ppb benzene) were detected in SVS-11. MTBE was reported at a concentration of 1,500 ppb in boring SVS-11 by EPA Method 8020, but not confirmed by EPA Method 8260.

1999 RBCA Evaluation: In September 1999, Cambria prepared a RBCA evaluation for the site. Cambria analyzed the following potential exposure pathways: off-site ingestion of groundwater, on-site ingestion of surficial soil, volatilization of benzene from soil or groundwater into on-site or off-site indoor air, and migration of benzene soil vapor to on-site or off-site outdoor air. Results of Tier 1 and Tier 2 RBCA analysis indicated that contaminants within soil and groundwater did not present significant health risks. Cambria's September 17, 1999 *Risk-Based Corrective Action* summarizes the results.

October 2001 Off-Site Monitoring Well Installation: Two monitoring wells (MW-5, MW-6) were installed off site to the southwest. Soil sample results collected during this investigation indicated only minimal MTBE impact to off-site soil southwest of the site. Results are summarized in Cambria's December 20, 2001 *Offsite Monitoring Well Installation Report.* This finding is in accordance with Cambria's 1998 subsurface investigation, in which no TPHg or benzene and only low MTBE concentrations were detected in soil from three borings (SVS-14 through SVS-16) along the private driveway. In these wells, benzene has been detected only in MW-4, in June and September 2002, at a maximum concentration of 1.4 ppb. MTBE has not been detected in groundwater from either of these wells; however, TPHg, toluene, ethylbenzene and xylene have been detected in groundwater from well MW-5 at concentrations of 650 ppb, 3.0 ppb, 52 ppb, and 28 ppb, respectively.

October 2002 Off-Site Monitoring Well Installation: Two monitoring wells (MW-7, MW-8) and one soil boring (SB-9) were installed off site to the northwest in 150th Avenue. Soil sample results collected during this investigation indicated minimal MTBE, BTEX and TPHg impact to off-site soil northwest of the site. However, grab groundwater samples indicated benzene and TPHg compounds were present at elevated concentrations in groundwater northwest of the site in 150th Avenue. Cambria's November 18, 2002 *Offsite Monitoring Well Installation Report* summarizes the results.

June 2003 Soil and Groundwater Investigation: Seven soil borings (SB-10, SB-11, SB-12, SB-13, SB-14, SB-15, and SB-16) were all installed off site to the northwest in both 150th

Avenue and Portofino Circle, with the exception of SB-15 which was on site (Figure 2). During the investigation, MTBE was detected only in on-site grab groundwater sample SB-15-W at 40 ppb. The highest TPHg concentration was detected in SB-14-W at 67,000 ppb, and the highest benzene concentration was detected in SB-15-W at 530 ppb. TPHg was detected only in soil samples SB-11-30' and SB-15-36' at concentrations of 650 ppm and 1.4 ppm, respectively. Benzene was detected only in soil sample SB-11-35' at 0.10 ppm. Based on typical groundwater depths in nearby well MW-7, it was determined that samples SB-11-30' and SB-15-36' were saturated, and results may be more indicative of chemical concentrations in groundwater. Results are summarized in Cambria's March 10, 2003 *Soil and Water Investigation Work Plan and Well Screen Interval Evaluation* report.

October 2003 Sensitive Receptor Survey (SRS): In October 2003, Cambria completed an SRS at Shell's request. The SRS targeted the following as potential sensitive receptors: basements within 200 feet, surface water and sensitive habitats within 500 feet, hospitals, residential care and childcare facilities within 1,000 feet, and water wells within ½ mile. No basements were observed within 200 feet, nor were any surface water or sensitive habitats observed within 500 feet. No educational or childcare facilities were identified within the search radius. The Fairmont Hospital campus, located at 15400 Foothill Boulevard, is located approximately 1,100 feet from the site, just outside the target radius.

To update the 1992 well survey performed by Weiss, Cambria researched Department of Water Resources records in September 2003, and located no additional well records for locations within ½ mile of the site. The closest identified water well potentially used for drinking water is a well installed in 1952, listed as a "domestic well," located at Fairmont Hospital, approximately 2,445 feet east-southeast of the site as shown on Figure 1. The well is reportedly 138 feet deep, and has screened intervals between 62 and 95 fbg. The well's status and operation frequency are unknown. Due to the well's distant location from the site, and the site's observed groundwater flow directions, it is unlikely that this well could be impacted by groundwater from the site.

November 2003 Monitoring Well Installation: Cambria supervised the installation of one off-site and two on-site monitoring wells. Off-site well MW-9 was installed in Portofino Circle, north to northwest of soil boring SB-14. Two soil borings were proposed on the adjacent parcel, south to southeast of the site. However, the current property owner refused to sign an access agreement allowing Cambria to complete these upgradient soil borings. No benzene was detected in any of the soil samples collected during this investigation. MTBE was detected in two soil samples (MW-11-20' and MW-11-24.5') at concentrations of 0.039 and 1.4 ppm, respectively. TPHg was detected in four soil samples (MW-10-30', MW-10-31.5', MW-11-20', and MW-11-34.5') at concentrations of 14, 230, 1.8, and 330 ppm, respectively. All soil samples with detectable hydrocarbon concentrations were saturated soil samples, so results may be more indicative of chemical concentrations in groundwater rather than sorbed to soil.

September 2004 Off-Site Investigation: Cambria supervised the advancement of two off-site soil borings (SB-17, SB-18) on September 13, 2004. A report summarizing the details and data of this investigation is forthcoming.

Groundwater Monitoring: Groundwater has been sampled quarterly since March 1990 Groundwater samples from MW-2 have contained the highest TPHg and benzene concentrations, up to 160,000 ppb and 36,000 ppb, respectively. Although hydrocarbons have been detected in water from wells MW-1 and MW-3, no hydrocarbons have been detected in water from downgradient well MW-4 except in second quarter of 2003, and laboratory notes indicated that the detected hydrocarbons did not match the laboratory standard. Wells MW-7 and MW-8 have contained up to 49,000 ppb TPHg and 830 ppb benzene, but MTBE has not been detected in these wells. Historical groundwater monitoring data is presented as Attachment B.

Remedial Activities

2002 – 2004 Mobile Groundwater Extraction (GWE): In July 2002, Onyx Industrial Services (Onyx) of Benicia, California began conducting semi-monthly GWE using monitoring well MW-2 for three events and continuing on a monthly basis until March 2004. In March 2004, Onyx commenced monthly GWE using well MW-2 once per month and well MW-11 once per month, so that GWE is conducted twice per month at the site. However, due to an error during March 2004, Onyx conducted GWE twice from well MW-2 and once from MW-11. The GWE frequency was increased to weekly (from both MW-2 and MW-11) beginning in May 2004. As of August 24, 2004, approximately 18.5 pounds of TPHg and approximately 4.8 pounds of MTBE had been removed from the subsurface. Mobile GWE was stopped on September 15, 2004 following startup of a temporary GWE system. Table 2 presents the historical mobile GWE data.

September 2004 Temporary GWE System: On September 13, 2004, Cambria completed installation and started operation of a temporary GWE system. The temporary GWE system was installed as an interim remedial measure to address the elevated petroleum hydrocarbon and MTBE concentrations in groundwater near the west corner of the site. Groundwater is extracted from monitoring well MW-2 using a pneumatic submersible pump. An air compressor supplies air to drive the pump. Extracted groundwater is pumped from the well into a 6,500-gallon storage tank located in the south corner of the site. To prevent overflow of the storage tank, a float switch in the storage tank will shut off the system when the tank is full. The extracted water will be periodically transported to Shell's Martinez Refinery located in Martinez, California for reclamation. Since the temporary GWE system was recently started, operational data is limited. The groundwater extraction rate is estimated at approximately 0.5 gallons per minute. Cambria will report operational and mass removal data with the quarterly monitoring reports.

TECHNICAL RATIONALE FOR PROPOSED SCOPE OF WORK

The primary area of groundwater and soils impacted by petroleum hydrocarbons is immediately west of the USTs. Historical soil analytical results (Table 1) suggest that soil impact is limited to the capillary fringe (~20 to 25 fbg). Well MW-2 (screened 25 to 45 fbg) has had elevated hydrocarbon concentrations in groundwater samples since 1995 and MTBE concentrations in groundwater since 1996. Well MW-11 was recently installed adjacent to well MW-2. Well MW-11 (screened 15 to 25 fbg) has had hydrocarbon and MTBE concentrations in groundwater samples comparable to concentrations in well MW-2. The extent of MTBE in groundwater appears to be limited to this area. However, lower concentrations of hydrocarbons have been detected in wells MW-7 and MW-9 located across 150th Avenue.

A secondary area of groundwater and soils impacts by petroleum hydrocarbons is immediately to the southwest of the waste oil UST. Well MW-1 soil analytical results suggest that soil impact is again limited to the capillary fringe. Well MW-1 has had elevated hydrocarbon concentrations in groundwater since 1993.

The available data suggests that the primary hydrocarbon and MTBE plumes are localized near the west corner of the site. A secondary hydrocarbon plume is localized around the waste oil UST. The hydrocarbon and MTBE plumes do not appear to be migrating significantly. Cambria proposes conducting interim dual-phase extraction (DPE) to remediate the residual hydrocarbons and MTBE within the center of the plumes. DPE should be effective since the capillary fringe will be dewatered and exposed to SVE. Further migration of these plumes should be mitigated by reducing the mass within the center of the plumes.

Cambria will utilize wells MW-1, MW-2, and MW-11 for DPE. The location and construction details of these wells are deemed sufficient for the proposed work. Installation of new wells for DPE is not considered necessary. With this effort, Cambria hopes to expedite the reduction of petroleum hydrocarbon and MTBE concentrations in groundwater and progress towards closure.

WORK TASKS FOR INTERIM REMEDIATION

DPE involves applying a vacuum to a well to dewater the formation to a target elevation and extract hydrocarbon-bearing vapors from the dewatered zone. A dedicated extraction "stinger" installed through an airtight well seal allows DPE at target elevations. Cambria plans to continuously extract from well MW-11 for a minimum of 48 hours prior to moving DPE operations to well MW-2. Since the temporary GWE system is currently extracting groundwater from well MW-2, a stinger will not be necessary. After a minimum of 48 hours of DPE from

well MW-2, DPE operations will move to well MW-1. Cambria plans to conduct a minimum of 24 hours of DPE from well MW-1. However, Cambria may alter the duration of DPE on a specific well depending on the data produced. Cambria is planning for a maximum of 5 days of DPE.

Initially, a vacuum will be applied to dewater the target well. Once the well has been dewatered to the target elevation, Cambria will incrementally increase the applied vacuum to determine the optimal extraction rate (maximum airflow rate). Once determined, Cambria will set DPE operation at the optimal extraction rate.

The following sections detail the tasks and information for the proposed interim remediation:

Site Health and Safety Plan: Cambria will prepare a comprehensive site safety plan to protect site workers. The plan will be reviewed and signed by each site worker and kept on site during field activities.

Permitting Notification: Cambria will provide the required notification to the Bay Area Air Quality Control Management District (BAAQMD). BAAQMD regulations allow 5 days of abated emissions without a permit for pilot testing.

Equipment: Critical components for DPE include an extraction device, water storage, and a vapor treatment device. A Solleco catalytic oxidizer (ECat) will be used to apply a vacuum to the extraction well and to abate extracted vapors. The ECat is an electric device, requiring the use of a generator for power. The ECat is equipped with a liquid-separator to remove entrained groundwater from the vapor stream. Groundwater will be pumped from the separator to the temporary GWE system storage tank through aboveground hose.

The ECat is equipped with controls to manage well flow, dilution airflow, pump vacuum, and well vacuum data. A Thomas Industries model 907CDC18F vacuum pump will be used to collect the vapor samples. A Horiba organic vapor analyzer will be used to field measure hydrocarbon concentrations in the extracted vapor stream. Magnehelic differential pressure gauges will be used to measure induced vacuum in adjacent wells. A water level meter will be used to measure groundwater drawdown in adjacent wells. A Kent C700 flow totalizing meter will continuously measure extracted groundwater.

The ECat will abate the extracted soil vapors to comply with BAAQMD requirements. The extracted groundwater will be stored in the temporary GWE system storage tank and subsequently transported to Shell's Martinez Refinery located in Martinez, California for reclamation.

Data Collection: Cambria will periodically measure and record the following DPE operational and monitoring information: applied vacuum, induced vacuum, well flow, dilution airflow, vapor concentrations, extracted groundwater volume, and groundwater drawdown. This information will be initially collected every 15 to 30 minutes, then in longer intervals after operational data has stabilized. Vapor samples will be collected periodically in 1-liter Tedlar bags to confirm field-measured concentrations through laboratory analysis. A State-approved analytical laboratory (Severn Trent Laboratories Inc. of Pleasanton, California) will analyze all samples for TPHg, BTEX, and MTBE using EPA Method 8260.

Report Preparation: Following completion of the DPE activities, Cambria will prepare and submit a written report which will describe the field activities, tabulate the field data, calculate the mass of contaminants removed through DPE, and summarize the results and findings.

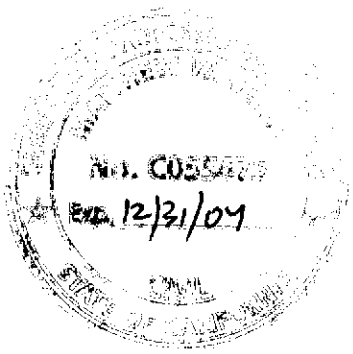
Schedule: Cambria has scheduled this work for November 2004. Mobilization will occur on November 8, 2004. Cambria anticipates completion of DPE on November 12, 2004.

CLOSING

Please call Dan Lescure at (510) 420-3306, if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.

Dan Lescure
Senior Project Engineer



Matthew W. Derby, P.E.
Senior Project Engineer

Figures: 1 - Vicinity/Sensitive Receptor Survey Map
2 - Groundwater Elevation Contour Map

Tables: 1 - Current and Historical Soil Analytical Results
2 - Groundwater Extraction – Mass Removal Data

Attachments: A - Boring Logs
B - Historical Groundwater Monitoring Data

cc: Karen Petryna, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810
City of San Leandro, Environmental Division, 835 East 14th Street, San Leandro, CA. 94577

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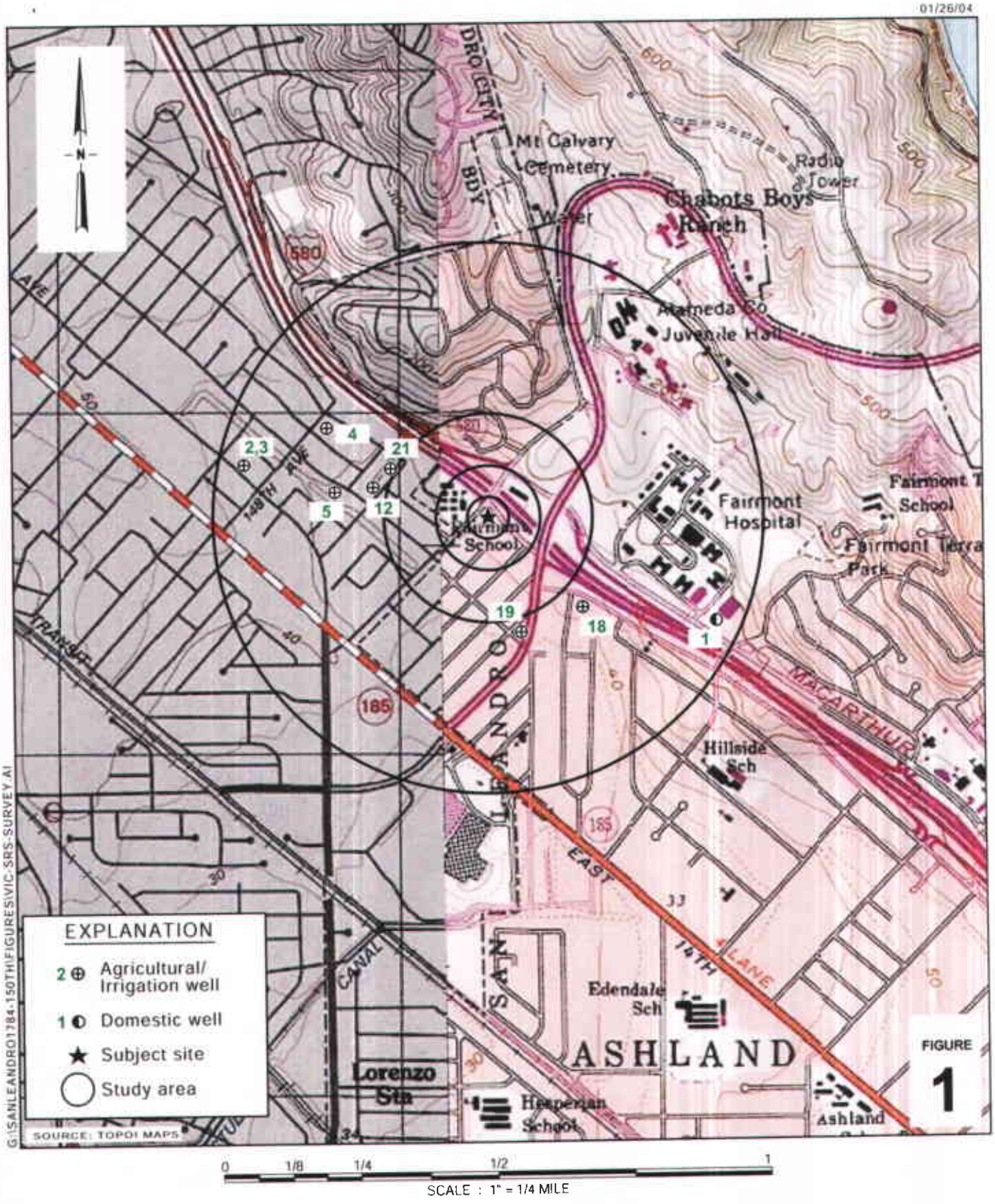


FIGURE 1

Shell-branded Service Station
1784 150th Avenue
San Leandro, California
Incident #98996068

CAMBRIA

Vicinity/Sensitive Receptor Survey Map
(1/2-Mile Radius)

07/22/04

Groundwater Elevation Contour Map

May 27, 2004

EXPLANATION

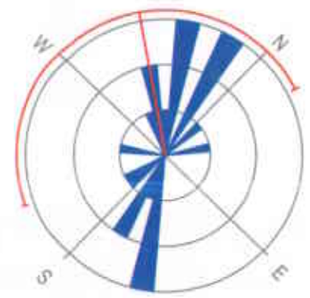
- SB-17 — Proposed soil boring location
- MW-1 — Monitoring well location
- BH-1 — Soil boring location (Weiss, 6/94)
- BH-7 — Soil boring location (Weiss, 3/95)
- A — Dispenser soil sample location (Weiss, 3/95)
- SVS-1 — Soil boring location (Cambria, 7/96)
- SVS-11 — Soil boring location (Cambria, 11/98)
- SB-9 — Soil boring location (Cambria, 10/02)
- SB-10 — Soil boring location (Cambria, 6/03)
- Groundwater flow direction
- xx.xx — Groundwater elevation contour, in feet above mean sea level (msl), approximately located, dashed where inferred

Well / ELEV / Benzene / MTBE

- Well designation
- Groundwater elevation, in feet above msl
- Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8260.

MW-9 27.10 <0.50 <0.50
MW-4 27.03 <0.50 <0.50
MW-8 26.86 230 <13
MW-7 26.95 76 <5.0
MW-5 26.97 <0.50 <0.50
MW-11 26.98 8,500 25,000
MW-2 26.94 6,000 19,000
MW-10 27.01 <1.0 <1.0
MW-6 27.82 0.50 <0.50
MW-1 26.95 8,700 81
MW-3 26.98 <0.50 1.1

PORTOFINO DRIVE
PORTOFINO CIRCLE
150TH AVENUE
FREEDOM AVENUE
I-580
I-580 OFF-RAMP
Residential
Residential (townhouses)
brick sound wall
Shell Station
1784 150th Ave.
USTs
canopy
station building
Denny's Restaurant
15015 Freedom
parking lot
BH-1 located 215' SE
BH-6 located 360' SE



Groundwater Flow Direction
(06/14/99 to 05/27/04)

0 25 50 100
Scale (ft)

FIGURE
2

Shell-branded Service Station
1784 150th Avenue
San Leandro, California
Incident #89996068

CAMBRIA

G:\SAN LEANDRO 1784-150TH\FIGURES\GM04.DWG

Table 1. Current and Historical Soil Analytical Results - Shell-branded Service Station, 1784 150th St., San Leandro, California - Incident #98996068

Sample ID	Date	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE EPA Method 8020	MTBE EPA Method 8260
		(fbg)	← (Concentrations in mg/kg) →						
BH-A[a,b]	3/5/1990	5.0	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---
BH-A[a,b]	3/5/1990	15.7	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---
BH-A[a,b,c]	3/5/1990	24.7	<1	**0.020**	<0.0025	<0.0025	<0.0025	---	---
BH-A[a,d]	3/5/1990	29.2	**35**	**0.23**	**0.20**	<0.0025	**0.64**	---	---
BH-A[a,b]	3/5/1990	41.2	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---
BH-B[b]	2/4/1992	11.5	<1	**0.0026**	<0.0025	<0.0025	<0.0025	---	---
BH-B	2/4/1992	16.5	<1	**0.0058**	<0.0025	<0.0025	<0.0025	---	---
BH-B[b,e]	2/4/1992	21.5	**79**	**0.20**	**0.60**	**1.0**	**4.1**	---	---
BH-B	2/4/1992	26.5	**74**	**0.59**	**0.91**	**1.5**	**3.9**	---	---
BH-C[b]	2/5/1992	11.5	<1	**0.0042**	**0.0029**	**0.0039**	<0.0025	---	---
BH-C[b]	2/5/1992	21.5	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---
BH-C[b,f]	2/5/1992	26.5	**3.9**	<0.0025	<0.0025	<0.0025	**0.0054**	---	---
BH-C	2/5/1992	31.5	**68**	<0.05	<0.05	<0.05	**0.17**	---	---
BH-1-21	6/6/1994	21	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---
BH-2-20	6/6/1994	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---
BH-3-16[g]	6/6/1994	16	<1.0	**0.013**	<0.0050	<0.0050	<0.0050	---	---
BH-4-20.6	6/7/1994	20.6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---
BH-5-15.6	6/7/1994	15.6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---
BH-6-20.5	6/7/1994	20.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---
BH-7-15.8	2/14/1995	15.8	<1.0	<0.0025	<0.0025	<0.0025	<0.0025	---	---
BH-8-16.0	2/14/1995	16.0	<1.0	<0.0025	<0.0025	<0.0025	<0.0025	---	---
BH-9-19.5	2/14/1995	19.5	<1.0	<0.0025	<0.0025	<0.0025	<0.0025	---	---
BH-10-15.2	3/3/1995	15.2	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---
SVS-3	7/18-19/96	16-18	<1.0	<0.005	<0.005	<0.005	<0.005	<0.025	---
SVS-5	7/18-19/96	4-6	<1.0	<0.005	<0.005	<0.005	<0.005	<0.025	---
SVS-5	7/18-19/96	8-10	<1.0	<0.005	<0.005	<0.005	<0.005	<0.025	---
SVS-5	7/18-19/96	18-20	**1.1**	<0.005	<0.005	<0.005	<0.005	<0.025	---
SVS-9	7/18-19/96	3-5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.025	---
SVS-9	7/18-19/96	8-10	<1.0	<0.005	<0.005	<0.005	<0.005	<0.025	---
SVS-9	7/18-19/96	16-18	<1.0	<0.005	<0.005	<0.005	<0.005	<0.025	---

Table 1. Current and Historical Soil Analytical Results - Shell-branded Service Station, 1784 150th St., San Leandro, California - Incident #98996068

Sample ID	Date	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE EPA Method 8020	MTBE EPA Method 8260
		(fbg)	(Concentrations in mg/kg)						
Disp-A	12/4/1997	2.0	**3.1**	<0.005	**0.037**	**0.022**	<0.01	**0.019**	---
Disp-A, 4.5	12/4/1997	4.5	**6.3**	**0.096**	**0.012**	**0.46**	**0.037**	**0.056**	---
Disp-B	12/4/1997	2.0	**130**	<1	<1	<1	<2	<1	---
Disp-B, 4.5	12/4/1997	4.5	**1.0**	**0.045**	<0.005	**0.064**	**0.32**	<0.03	---
Disp-C	12/4/1997	2.0	**190**	**1.8**	**2.1**	**3.6**	**20**	**1.4**	---
Disp-C, 4.5[h]	12/4/1997	4.5	**590**	<0.5	**0.98**	**2.3**	**3.1**	<0.5	---
Disp-D	12/4/1997	2.0	**3.8**	**0.11**	<0.005	**0.15**	**0.17**	**0.11**	---
Disp-D, 4.5	12/4/1997	4.5	**1.4**	**0.027**	<0.005	**0.036**	**0.178**	**0.005**	---
SVS-11-5.5	11/10/1998	5.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-11-6	11/10/1998	6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-11-9.5	11/10/1998	9.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-11-10	11/10/1998	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-11-15	11/10/1998	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-11-15.5	11/10/1998	15.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-11-19	11/10/1998	19	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-11-19.5	11/10/1998	19.5	**1.6**	**0.0050**	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-14-5	11/11/1998	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-14-5.5	11/11/1998	5.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-14-10	11/11/1998	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-14-10.5	11/11/1998	10.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-14-15	11/11/1998	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-14-15.5	11/11/1998	15.5	<1.0	<0.0050	**0.006**	<0.0050	<0.0050	<0.025	---
SVS-14-19	11/11/1998	19	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.029**	<25
SVS-14-19.5	11/11/1998	19.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-15-4.5	11/11/1998	4.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-15-5	11/11/1998	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-15-10	11/11/1998	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-15-10.5	11/11/1998	10.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-15-15	11/11/1998	15	<1.0	<0.0050	<0.0050	<0.0050	**0.013**	<0.025	---
SVS-15-15.5	11/11/1998	15.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---

Table 1. Current and Historical Soil Analytical Results - Shell-branded Service Station, 1784 150th St., San Leandro, California - Incident #98996068

Sample ID	Date	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE EPA Method 8020	MTBE EPA Method 8260
		(fbg)	← (Concentrations in mg/kg) →						
SVS-15-19.5	11/11/1998	19.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-15-20	11/11/1998	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-16-5	11/11/1998	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-16-5.5	11/11/1998	5.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-16-10	11/11/1998	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-16-10.5	11/11/1998	10.5	<1.0	<0.0050	<0.0050	<0.0050	**0.0093**	**0.026**	---
SVS-16-15	11/11/1998	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-16-15.5	11/11/1998	15.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
MW-5-515.5	10/24/01	15.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
MW-6-5.5	10/24/01	5.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.012**
MW7@5'	10/03/02	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5
MW7@10'	10/03/02	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5
MW7@15'	10/03/02	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5
MW7@20'	10/03/02	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5
MW7@25'	10/03/02	25	**11**	<0.0050	**0.0060**	**0.086**	**0.13**	---	<0.5
MW7@30'	10/03/02	30	**68**	<0.025	**0.19**	**0.89**	**3.7**	---	<0.5
MW7@32'	10/03/02	32	**1.2**	<0.0050	**0.0069**	**0.025**	**0.11**	---	<0.5
MW8@5'	10/04/02	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5
MW8@10'	10/04/02	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5
MW8@15'	10/04/02	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5
MW8@20'	10/04/02	20	**1.2**	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5
MW8@25'	10/04/02	25	**140**	**0.072**	**0.15**	**1.5**	**5.8**	---	<0.5
SB9@22	10/04/02	22	1.1	<0.0050	<0.0050	**0.016**	**0.088**	---	<0.5
SB-10-10'	6/23/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-10-20'	6/23/03	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-10-22'	6/23/03	22	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-10-25'	6/23/03	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-10-30	6/23/03	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-10-37'	6/23/03	37	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-10-39.5'	6/23/03	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-11-10'	6/24/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050

Table 1. Current and Historical Soil Analytical Results - Shell-branded Service Station, 1784 150th St., San Leandro, California - Incident #98996068

Sample ID	Date	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE EPA Method 8020	MTBE EPA Method 8260
		(fbg)	(Concentrations in mg/kg)						
SB-11-15'	6/24/03	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-11-20'	6/24/03	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-11-24'	6/24/03	24	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-11-28'	6/24/03	28	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-11-30'	6/24/03	30	**650**	<0.50	<0.50	**3.5**	**9.9**	---	<0.50
SB-12-10'	6/24/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-12-20'	6/24/03	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-12-25'	6/24/03	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-12-30'	6/24/03	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-12-35'	6/24/03	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-12-39.5'	6/24/03	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-13-10'	6/23/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-13-20'	6/23/03	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-13-24'	6/23/03	24	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-13-30'	6/23/03	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-13-35'	6/23/03	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-13-39.5'	6/23/03	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-14-10'	6/24/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-14-20'	6/24/03	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-14-24'	6/24/03	24	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-14-30'	6/24/03	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-14-35'	6/24/03	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-14-39.5'	6/24/03	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-15-10'	6/26/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-15-15'	6/26/03	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-15-20'	6/26/03	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-15-22.5'	6/26/03	22.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-15-35'	6/26/03	35	**1.4**	**0.10**	<0.0050	**0.030**	**0.0055**	---	<0.0050
SB-16-10'	6/23/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-16-20'	6/23/03	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-16-24'	6/23/03	24	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050

Table 1. Current and Historical Soil Analytical Results - Shell-branded Service Station, 1784 150th St., San Leandro, California - Incident #98996068

Sample ID	Date	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE EPA Method 8020	MTBE EPA Method 8260
		(fbg)	← (Concentrations in mg/kg) →						
SB-16-28'	6/23/03	28	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-16-35'	6/23/03	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-16-39.5'	6/23/03	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
MW-9-5'	11/19/03	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
MW-9-10'	11/19/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
MW-9-15'	11/19/03	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
MW-9-20'	11/19/03	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
MW-9-25'	11/19/03	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
MW-9-30'	11/19/03	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
MW-9-35'	11/19/03	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
MW-10-5'	11/20/03	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
MW-10-10'	11/20/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
MW-10-15'	11/20/03	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
MW-10-20'	11/20/03	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
MW-10-25'	11/20/03	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
MW-10-30'	11/20/03	30	**14**	<0.023	<0.023	<0.023	<0.023	---	<0.023
MW-10-31.5'	11/20/03	31.5	**230**	<0.50	<0.50	**2.2**	**1.5**	---	<0.50
MW-11-5'	11/20/03	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
MW-11-10'	11/20/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
MW-11-15'	11/20/03	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
MW-11-20'	11/20/03	20	**1.8**	<0.0050	<0.0050	**0.0084**	**0.013**	---	**0.039**
MW-11-24.5'	11/20/03	24.5	**330**	<0.50	**1.6**	**4.8**	**29**	---	**1.4**

Table 1. Current and Historical Soil Analytical Results - Shell-branded Service Station, 1784 150th St., San Leandro, California - Incident #98996068

Sample ID	Date	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE EPA Method 8020	MTBE EPA Method 8260
		(fbg)	← (Concentrations in mg/kg) →						

Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline. From 1990 through 1998, analyzed by modified EPA Method 8015; from 2001 through 2003, analyzed by EPA Method 8260B.

Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8020 from 1990 through 1998; from 2001 through 2003, analyzed by EPA Method 8260B.

MTBE = Methyl tert-butyl ether

fbg = Feet below grade

mg/kg = milligrams per kilogram

<n = Below detection limit of n mg/kg

--- = Not analyzed

Notes:

a = Petroleum oil and grease analyzed by American Public Health Association Standard Method 503E; no detections above 100 ppm detection limit. Total oil and grease analyzed by American Public Health Association Standard Method 503E; no detections above 50 ppm detection limit.

b = Analyzed for halogenated volatile organic compounds by EPA Method 8010; none detected.

c = Total petroleum hydrocarbons as diesel (TPHd) and total petroleum hydrocarbons as motor oil (TPHmo) analyzed by modified EPA Method 8015; no TPHd detected at 1 ppm limit; no TPHmo detected at 10 ppm limit.

d = 1,2-dicholorethane detected at 0.0064 ppm by EPA Method 8010.

e = TPHd detected at 23 ppm by modified EPA Method 8015; lab characterized detected compounds as hydrocarbons lighter than diesel.

f = TPHd detected at 4.9 ppm by modified EPA Method 8015; lab characterized detected compounds as hydrocarbons lighter than diesel.

g = Analyzed for volatile organic compounds by EPA Method 8010; none detected above detection limits ranging from 0.005 to 0.050 ppm.

h = Sample saturated with perched water from beneath dispenser.

G:\San Leandro 1784 150th\[Soil Summary 1784 150th.xls]Soil Summary

Table 2: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98996068, 1784 150th Avenue, San Leandro, California

					TPPH			Benzene			MTBE		
Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
07/03/02	MW-2	482	482	06/18/02	72,000	0.28958	0.28958	9,500	0.03821	0.03821	29,000	0.11664	0.11664
07/17/02	MW-2	834	1,316	06/18/02	72,000	0.50106	0.79064	9,500	0.06611	0.10432	29,000	0.20182	0.31845
07/31/02	MW-2	213	1,529	06/18/02	72,000	0.12797	0.91861	9,500	0.01688	0.12121	29,000	0.05154	0.37000
08/14/02	MW-2	664	2,193	06/18/02	72,000	0.39893	1.31754	9,500	0.05264	0.17384	29,000	0.16068	0.53068
09/16/02	MW-2	662	2,855	06/18/02	72,000	0.39773	1.71527	9,500	0.05248	0.22632	29,000	0.16019	0.69087
10/14/02	MW-2	501	3,356	09/18/02	48,000	0.20067	1.91593	7,600	0.03177	0.25809	8,700	0.03637	0.72724
11/11/02	MW-2	547	3,903	09/18/02	48,000	0.21909	2.13502	7,600	0.03469	0.29278	8,700	0.03971	0.76695
12/09/02	MW-2	106	4,009	09/18/02	48,000	0.04246	2.17748	7,600	0.00672	0.29950	8,700	0.00770	0.77465
01/08/03	MW-2	652	4,661	12/27/02	40,000	0.21762	2.39510	5,900	0.03210	0.33160	19,000	0.10337	0.87802
02/04/03	MW-2	326	4,987	12/27/02	40,000	0.10881	2.50391	5,900	0.01605	0.34765	19,000	0.05168	0.92970
03/05/03	MW-2	647	5,634	03/05/03	62,000	0.33473	2.83863	13,000	0.07018	0.41784	21,000	0.11337	1.04308
04/08/03	MW-2	434	6,068	03/05/03	62,000	0.22453	3.06316	13,000	0.04708	0.46491	21,000	0.07605	1.11913
05/06/03	MW-2	736	6,804	03/05/03	62,000	0.38077	3.44393	13,000	0.07984	0.54475	21,000	0.12897	1.24810
06/06/03	MW-2	348	7,152	03/05/03	62,000	0.18004	3.62397	13,000	0.03775	0.58250	21,000	0.06098	1.30908
07/14/03	MW-2	391	7,543	06/24/03	19,000	0.06199	3.68596	9,500	0.03100	0.61350	14,000	0.04568	1.35475
08/12/03	MW-2	591	8,134	06/24/03	19,000	0.09370	3.77966	9,500	0.04685	0.66035	14,000	0.06904	1.42380
09/12/03	MW-2	399	8,533	06/24/03	19,000	0.06326	3.84292	9,500	0.03163	0.69198	14,000	0.04661	1.47041
10/10/03	MW-2	837	9,370	09/25/03	65,000	0.45397	4.29689	24,000	0.16762	0.85960	19,000	0.13270	1.60311
11/12/03	MW-2	259	9,629	09/25/03	65,000	0.14048	4.43737	24,000	0.05187	0.91147	19,000	0.04106	1.64417
12/05/03	MW-2	727	10,356	09/25/03	65,000	0.39431	4.83168	24,000	0.14559	1.05706	19,000	0.11526	1.75943
01/02/04	MW-2	1,168	11,524	12/15/03	67,000	0.65300	5.48468	18,000	0.17543	1.23249	11,000	0.10721	1.86664
02/03/04	MW-2	962	12,486	12/15/03	67,000	0.53783	6.02251	18,000	0.14449	1.37698	11,000	0.08830	1.95494
03/02/04	MW-2	343	12,829	12/15/03	67,000	0.19176	6.21427	18,000	0.05152	1.42850	11,000	0.03148	1.98642
03/16/04	MW-2	856	13,685	03/04/04	72,000	0.51428	6.72855	27,000	0.19285	1.62136	13,000	0.09286	2.07928
04/06/04	MW-2	652	14,337	03/04/04	72,000	0.39172	7.12026	27,000	0.14689	1.76825	13,000	0.07073	2.15001
04/28/04	MW-2	400	14,737	03/04/04	72,000	0.24032	7.36058	27,000	0.09012	1.85837	13,000	0.04339	2.19340

Table 2: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98996068, 1784 150th Avenue, San Leandro, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
					TPPH			Benzene			MTBE		
05/04/04	MW-2	700	15,437	03/04/04	72,000	0.42056	7.78114	27,000	0.15771	2.01608	13,000	0.07593	2.26933
05/11/04	MW-2	600	16,037	03/04/04	72,000	0.36048	8.14161	27,000	0.13518	2.15126	13,000	0.06509	2.33442
05/18/04	MW-2	1,169	17,206	03/04/04	72,000	0.70233	8.84394	27,000	0.26337	2.41463	13,000	0.12681	2.46122
05/25/04	MW-2	867	18,073	03/04/04	72,000	0.52089	9.36483	27,000	0.19533	2.60996	13,000	0.09405	2.55527
06/02/04	MW-2	1,533	19,606	05/27/04	74,000	0.94660	10.31143	6,000	0.07675	2.68671	19,000	0.24305	2.79832
06/08/04	MW-2	809	20,415	05/27/04	74,000	0.49954	10.81097	6,000	0.04050	2.72722	19,000	0.12826	2.92658
06/15/04	MW-2	1,462	21,877	05/27/04	74,000	0.90276	11.71373	6,000	0.07320	2.80041	19,000	0.23179	3.15837
06/22/04	MW-2	1,720	23,597	05/27/04	74,000	1.06207	12.77580	6,000	0.08611	2.88653	19,000	0.27269	3.43106
06/29/04	MW-2	1,100	24,697	05/27/04	74,000	0.67923	13.45503	6,000	0.05507	2.94160	19,000	0.17440	3.60546
07/06/04	MW-2	1,595	26,292	05/27/04	74,000	0.98488	14.43992	6,000	0.07986	3.02145	19,000	0.25288	3.85834
07/16/04	MW-2	1,643	27,935	05/27/04	74,000	1.01452	15.45444	6,000	0.08226	3.10371	19,000	0.26049	4.11882
07/20/04	MW-2	1,578	29,513	05/27/04	74,000	0.97439	16.42883	6,000	0.07900	3.18272	19,000	0.25018	4.36900
08/10/04	MW-2	28	29,541	05/27/04	74,000	0.01729	16.44612	6,000	0.00140	3.18412	19,000	0.00444	4.37344
08/24/04	MW-2	1,273	30,814	05/27/04	74,000	0.78606	17.23217	6,000	0.06373	3.24785	19,000	0.20182	4.57527
03/23/04	MW-11	142	142	03/04/04	68,000	0.08057	0.08057	5,300	0.00628	0.00628	8,300	0.00983	0.00983
04/20/04	MW-11	122	264	03/04/04	68,000	0.06922	0.14980	5,300	0.00540	0.01168	8,300	0.00845	0.01828
04/28/04	MW-11	101	365	03/04/04	68,000	0.05731	0.20711	5,300	0.00447	0.01614	8,300	0.00700	0.02528
05/04/04	MW-11	216	581	03/04/04	68,000	0.12256	0.32967	5,300	0.00955	0.02569	8,300	0.01496	0.04024
05/11/04	MW-11	268	849	03/04/04	68,000	0.15207	0.48174	5,300	0.01185	0.03755	8,300	0.01856	0.05880
05/18/04	MW-11	200	1,049	03/04/04	68,000	0.11348	0.59522	5,300	0.00885	0.04639	8,300	0.01385	0.07265
05/25/04	MW-11	60	1,109	03/04/04	68,000	0.03404	0.62926	5,300	0.00265	0.04905	8,300	0.00416	0.07681
06/02/04	MW-11	100	1,209	05/27/04	86,000	0.07176	0.70103	8,500	0.00709	0.05614	25,000	0.02086	0.09767
06/08/04	MW-11	250	1,459	05/27/04	86,000	0.17940	0.88043	8,500	0.01773	0.07387	25,000	0.05215	0.14982
06/15/04	MW-11	150	1,609	05/27/04	86,000	0.10764	0.98807	8,500	0.01064	0.08451	25,000	0.03129	0.18111
06/22/04	MW-11	50	1,659	05/27/04	86,000	0.03588	1.02395	8,500	0.00355	0.08806	25,000	0.01043	0.19154

Table 2: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98996068, 1784 150th Avenue, San Leandro, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
					TPPH			**Benzene**			**MTBE**		
06/29/04	MW-11	100	1,759	05/27/04	86,000	0.07176	1.09571	8,500	0.00709	0.09515	25,000	0.02086	0.21240
07/06/04	MW-11	52	1,811	05/27/04	86,000	0.03732	1.13303	8,500	0.00369	0.09884	25,000	0.01085	0.22325
07/16/04	MW-11	100	1,911	05/27/04	86,000	0.07176	1.20479	8,500	0.00709	0.10593	25,000	0.02086	0.24411
07/20/04	MW-11	50	1,961	05/27/04	86,000	0.03588	1.24067	8,500	0.00355	0.10948	25,000	0.01043	0.25454
08/10/04	MW-11	15	1,976	05/27/04	86,000	0.01076	1.25144	8,500	0.00106	0.11054	25,000	0.00313	0.25767
08/24/04	MW-11	80	2,056	05/27/04	86,000	0.05741	1.30885	8,500	0.00567	0.11621	25,000	0.01669	0.27436
Total Gallons Extracted:			**32,870**		**Total Pounds Removed:**		**18.54102**			**3.36407**			**4.84963**
					Total Gallons Removed:		**3.03951**			**0.46083**			**0.78220**

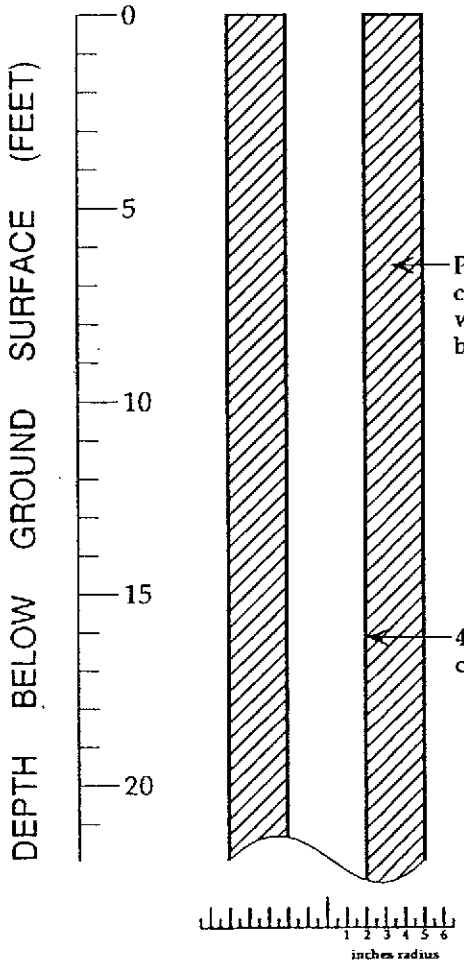
Abbreviations & Notes:

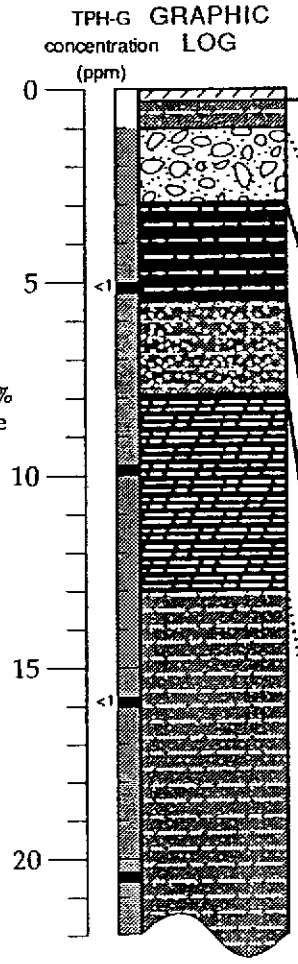
TPPH = Total purgeable hydrocarbons as gasoline
MTBE = Methyl tert-butyl ether
ppb = Parts per billion
gal = Gallon
Mass removed based on the formula: volume extracted (gal) x Concentration (µg/L) x (g/10^6µg) x (pound/453.6g) x (3.785 L/gal)
Volume removal data based on the formula: density (in gms/cc) x 9.339 (ccxlbs/gmsxgals)
TPPH, benzene, and MTBE analyzed by EPA Method 8260
If concentration is less than the laboratory detection limit, one half of the detection limit concentration is used in the mass removal calculation.
Groundwater extracted by vacuum trucks provided by Onyx. Water disposed of at a Martinez Refinery.

ATTACHMENT A

Boring Logs

WELL MW-1 (BH-A)





DESCRIPTION

Asphaltic concrete

Sandy SILT (ML); dark brown; soft; damp; <5% clay; 75% silt; 25% fine to medium sand; low plasticity; low to moderate K

Gravelly SAND (SW); brown; medium dense; dry; 15% silt; 60% sand; 25% weathered gravel to 2" diameter; moderate to high K

Silty CLAY (CL); dark brown mottled orange and green; stiff; damp; 45% clay; 30% silt; 25% sand; medium to high plasticity; very low K

Gravelly sand lens at 5.3'

Silty SAND (SM); dark brown; loose; moist; <5% clay; 35% silt; 45% fine to coarse sand; 20% gravel to 1" diameter; moderate to high K

Clayey SILT/Silty CLAY (OH); black; medium stiff; 40% clay; 40% silt; 20% very fine sand; roots and grasses; high plasticity; very low K

Tile shard at 9.7'

Sandy SILT/Clayey SILT (ML); green-gray; very stiff; damp; 20% clay; 60% silt; 20% fine to coarse sand; medium to high plasticity; low K

3" sandy GRAVEL lens at 18.0'

Rootlets at 18.7'

Light brown-gray from 19.5'

6" sand lens at 22'

EXPLANATION

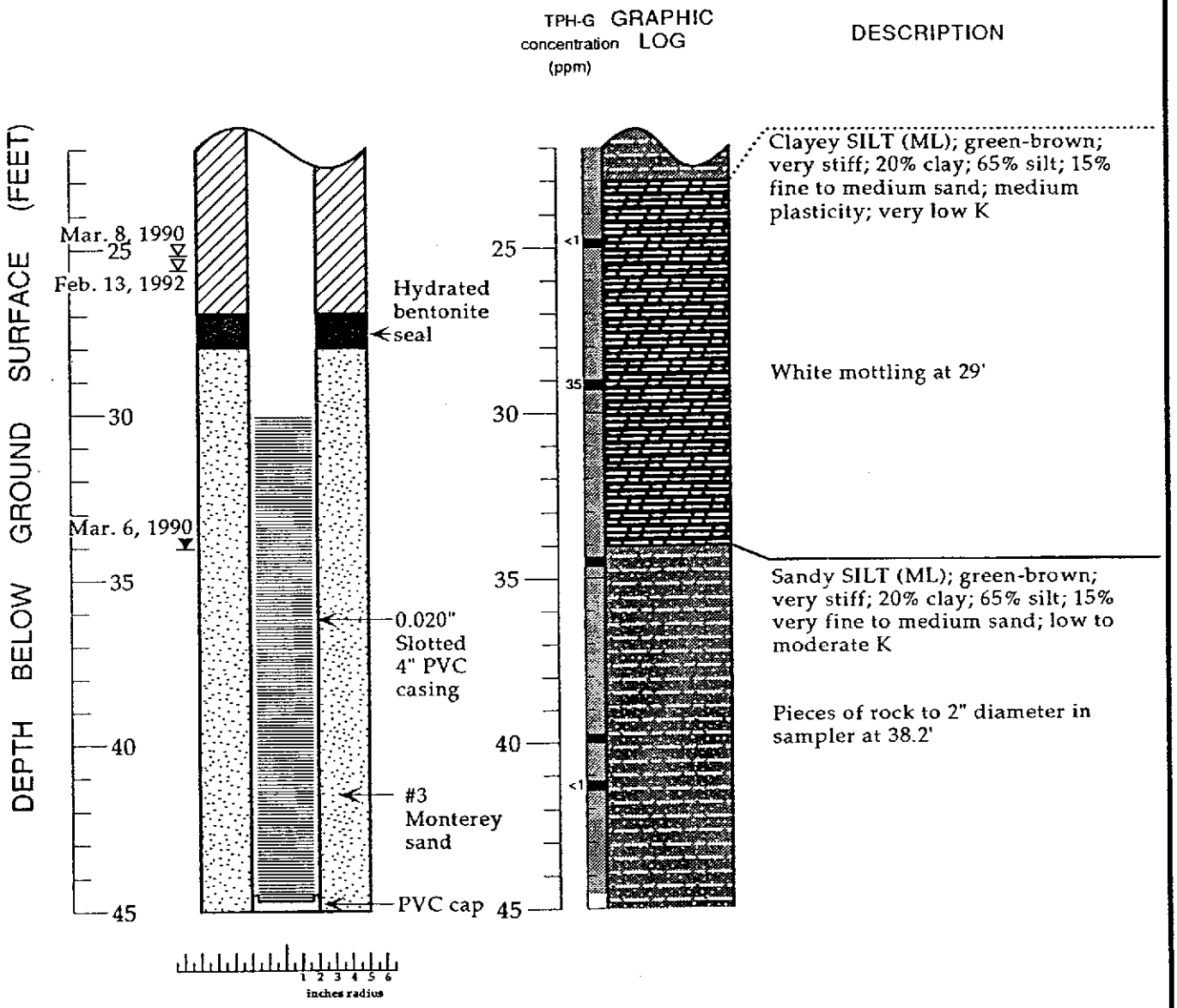
- ▼ Water level during drilling (date)
- ▽ Water level (date)
- ——····· Contact (dotted where approximate)
- —?—?— Uncertain contact
- ////////// Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Karen Sixt
Supervisor: Richard Weiss; CEG 1112
Drilling Company: HEW Drilling, East Palo Alto, CA
License Number: Lic. #C57-61384167
Driller: Casto Pineda
Drilling Method: Hollow-stem auger
Date Drilled: March 6, 1990
Well Head Completion: 4" locking well-plug, traffic-rated vault
Type of Sampler: Split barrel (2" ID)
Ground Surface Elevation: 49.48 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - Well MW-1 (BH-A) - Shell Service Station WIC #204-6852-1404, 1784 150th Avenue, San Leandro, California

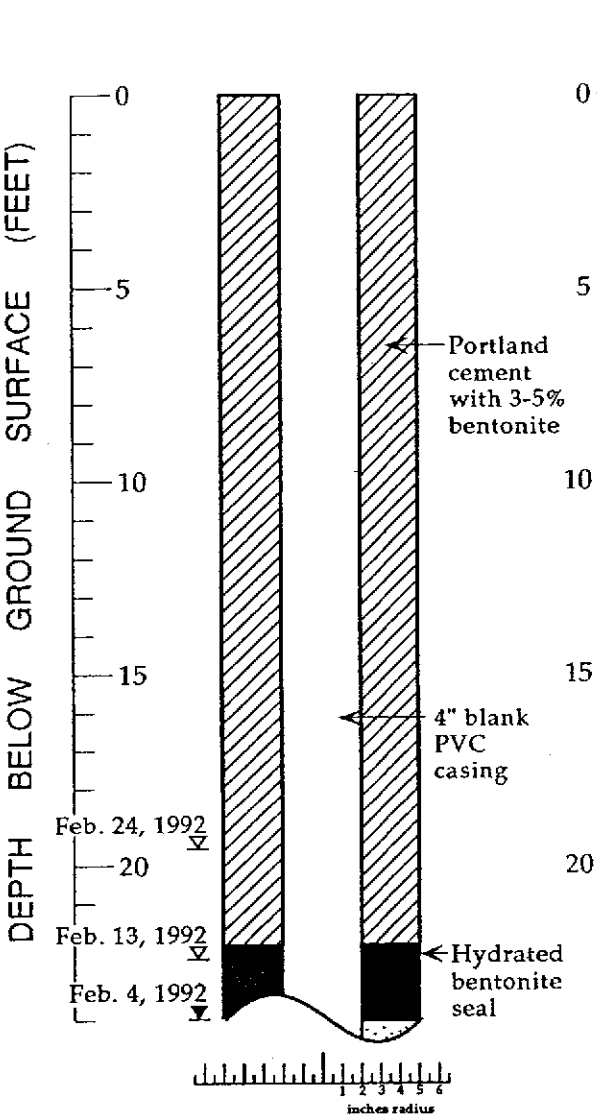
2/26/92

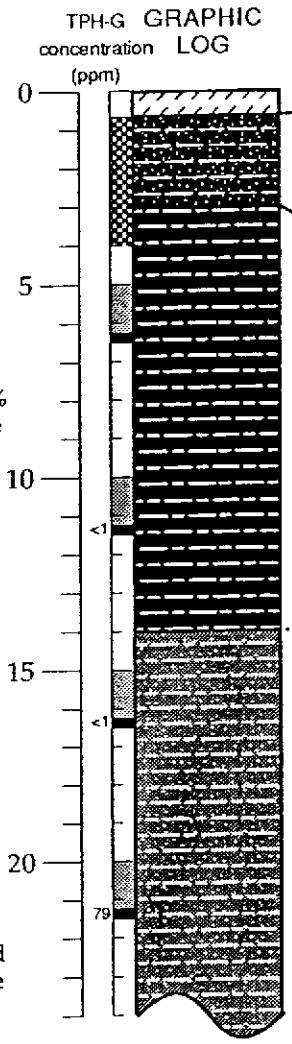
WELL MW-1 (BH-A) (cont.)



Boring Log and Well Construction Details - Well MW-1 (BH-A) - Shell Service Station WIC #204-6852-1404, 1784 150th Avenue, San Leandro, California

WELL MW-2 (BH-B)





DESCRIPTION

Asphaltic concrete

Sandy CLAY (CL); dark brown; soft; damp; 45% clay; 20% silt; 30% sand; 5% gravel to 0.25" diameter; low plasticity; low K

Silty CLAY (CH); black; soft; damp; 60% clay; 35% silt; 5% fine sand; high plasticity; very low K

1.5" diameter gravel at 6'

gray from 10'

Sandy SILT (ML); green-gray; very stiff; damp; 10% clay; 70% silt; 20% sand; low plasticity; low K

10% clay; 60% silt; 30% fine to coarse sand from 20.0'

EXPLANATION

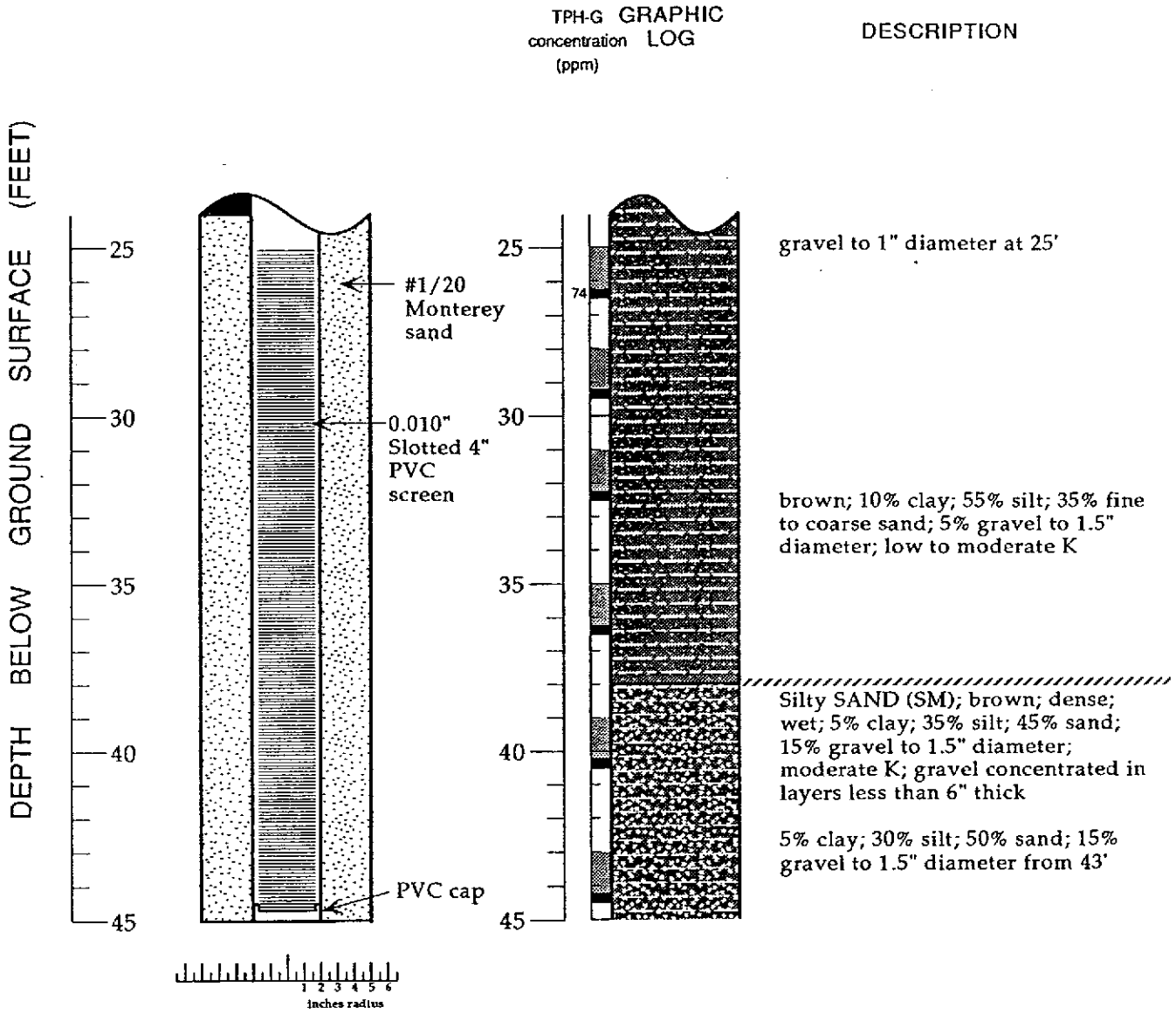
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Tom Fojut
Supervisor: Joseph P. Theisen; CEG 1645
Drilling Company: Soils Exploration Services, Benicia, CA
License Number: Lic. #C57-582696
Driller: Courtney Mossman
Drilling Method: Hollow-stem auger
Date Drilled: February 4 , 1992
Well Head Completion: 4" locking well-plug, traffic-rated vault
Type of Sampler: Split barrel (2" ID)
Ground Surface Elevation: 46.18 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - Well MW-2 (BH-B) - Shell Service Station WIC #204-6852-1404 - 1784 150th Avenue, San Leandro, California

2/26/92

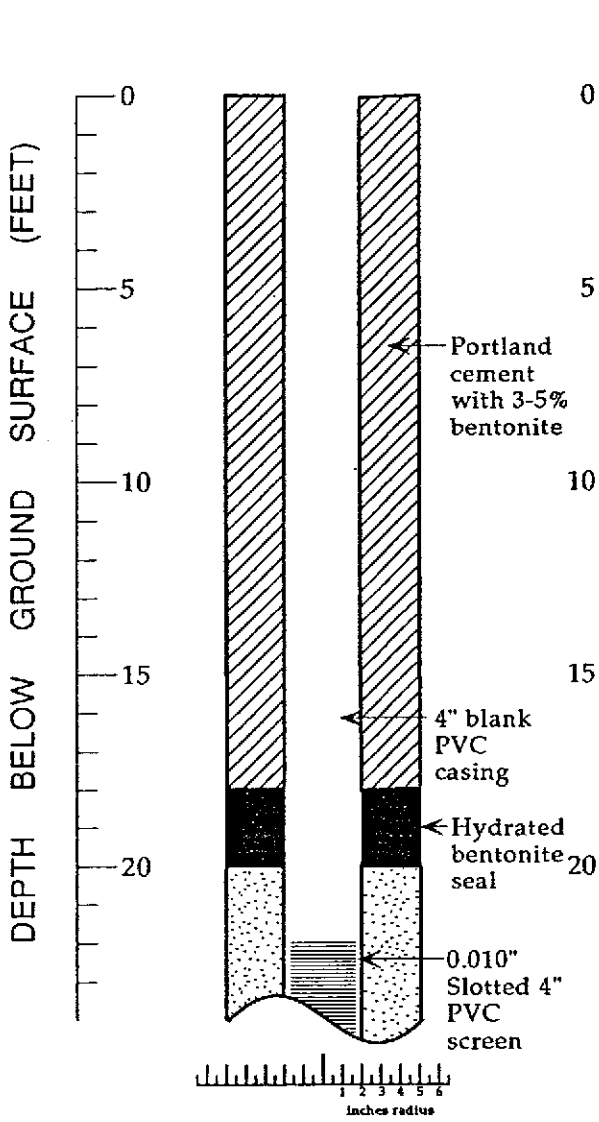
WELL MW-2 (BH-B) (cont.)

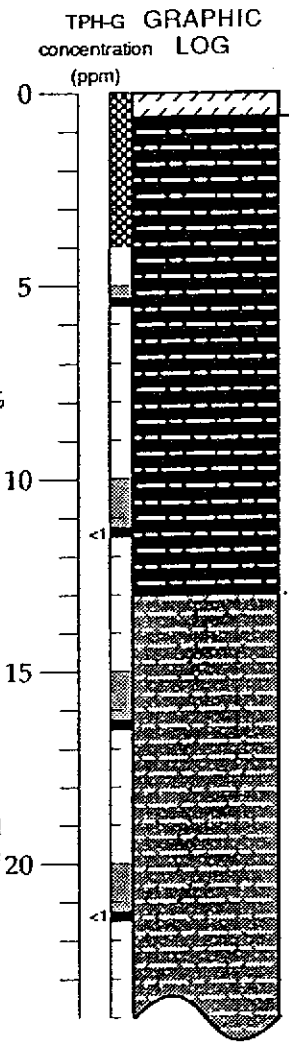


Boring Log and Well Construction Details - Well MW-2 (BH-B) - Shell Servie Station WIC #204-6852-1404 - 1784 150th Avenue, San Leandro, California

2/26/92

WELL MW-3 (BH-C)





DESCRIPTION

Asphaltic concrete

Silty CLAY (CH); black; soft; damp; 60% clay; 35% silt; 5% fine sand; high plasticity; very low K

stiff; 65% clay; 35% silt; trace fine sand from 10'

Sandy SILT (ML); tan; medium stiff; damp; 10% clay; 65% silt; 25% fine sand; low plasticity; low to moderate K

10% clay; 65% silt; 25% fine to medium sand from 20'

driller: harder sediment at 24'

EXPLANATION

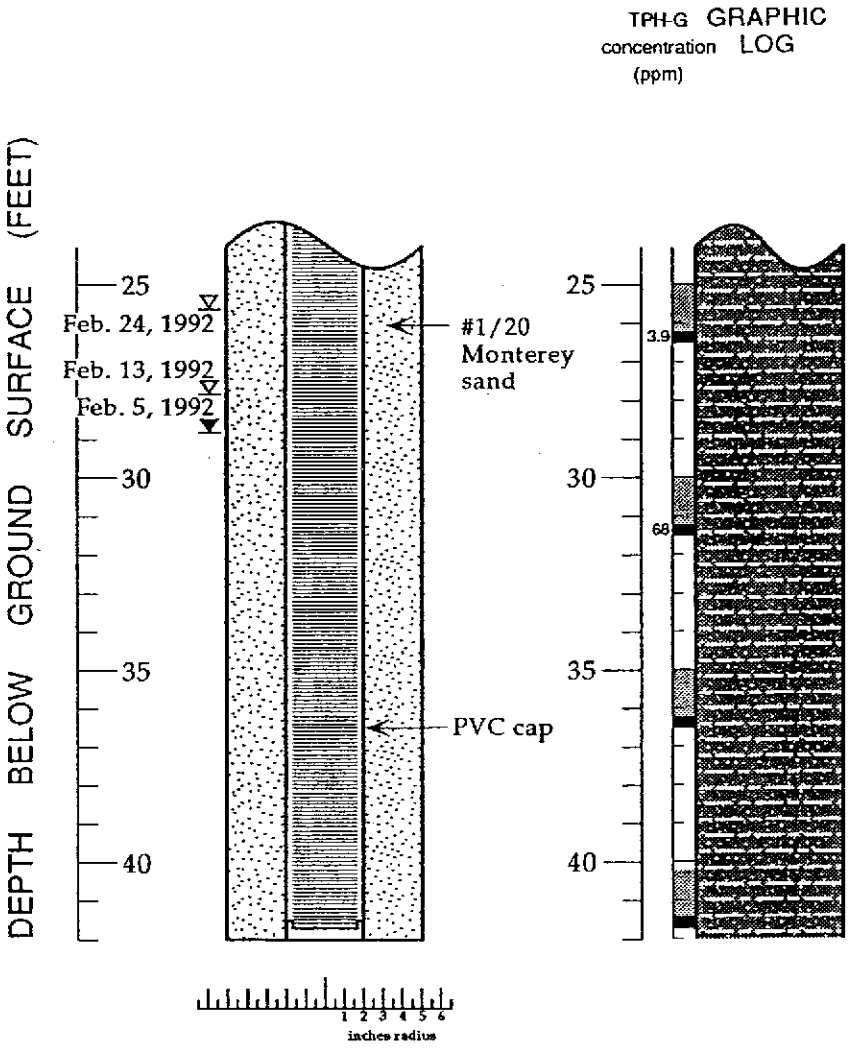
- ▼ Water level during drilling (date)
- ▽ Water level (date)
- ——····—— Contact (dotted where approximate)
- —?—?— Uncertain contact
- ////////// Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Tom Fojut
Supervisor: Joseph P. Theisen; CEG 1645
Drilling Company: Soils Exploration Services, Benicia, CA
License Number: Lic. #C57-582696
Driller: Courtney Mossman
Drilling Method: Hollow-stem auger
Date Drilled: February 5, 1992
Well Head Completion: 4" locking well-plug, traffic-rated vault
Type of Sampler: Split barrel (2" ID)
Ground Surface Elevation: 52.35 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - Well MW-3 (BH-C) - Shell Service Station WIC #204-6852-1404 - 1784 150th Avenue, San Leandro, California

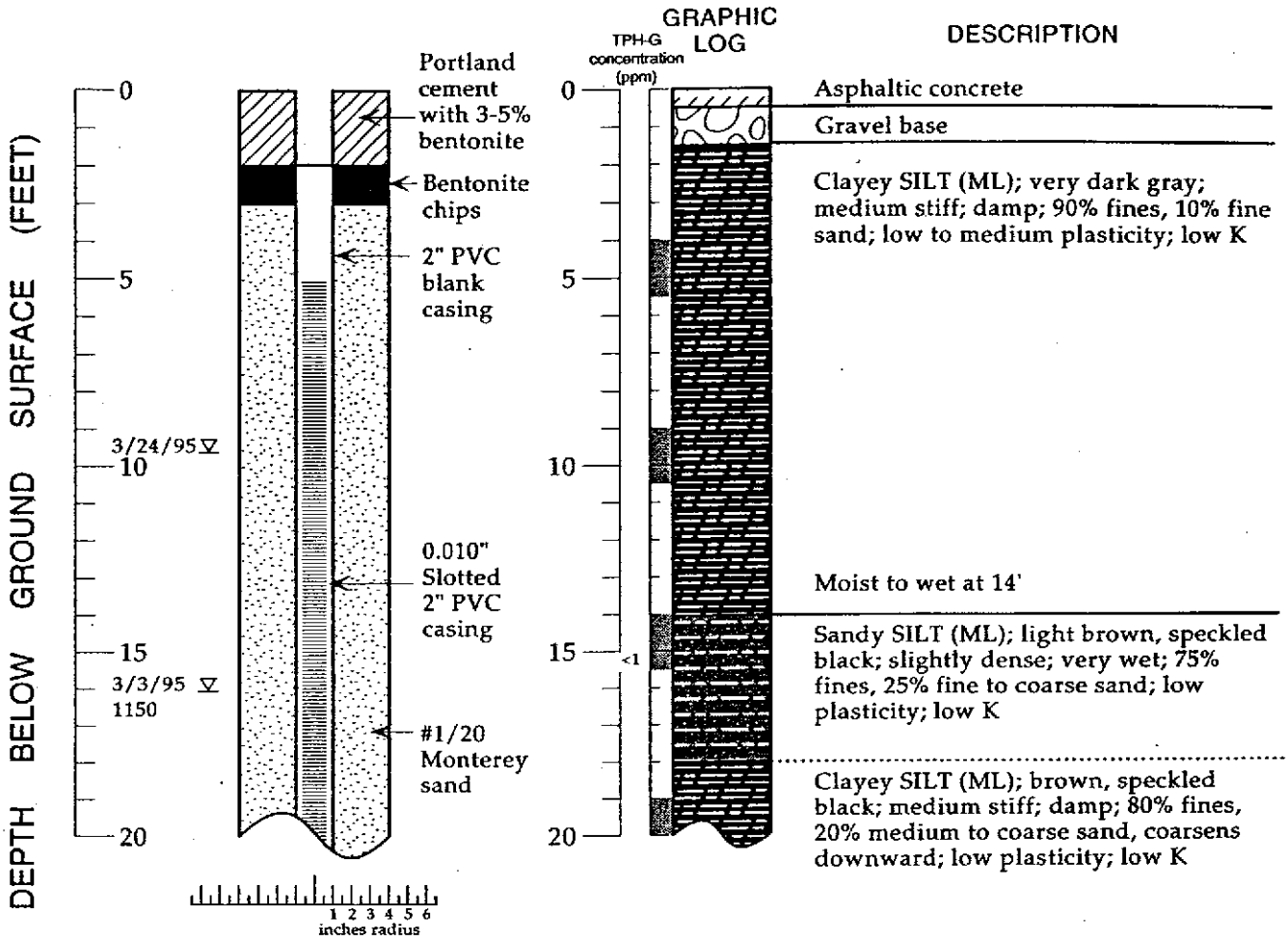
4/1/92

WELL MW-3 (BH-C) (cont.)



Boring Log and Well Construction Details - Well MW-3 (BH-C) - Shell Servie Station WIC #204-6852-1404 - 1784 150th Avenue, San Leandro, California

WELL MW-4 (BH-10)



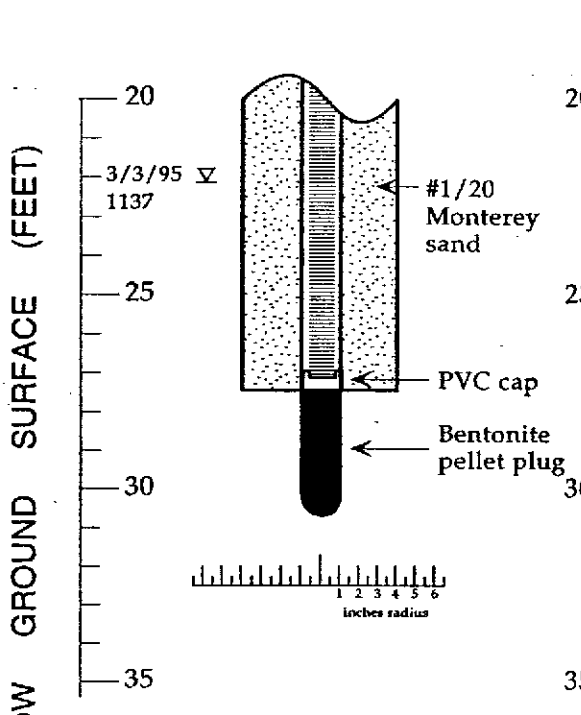
EXPLANATION

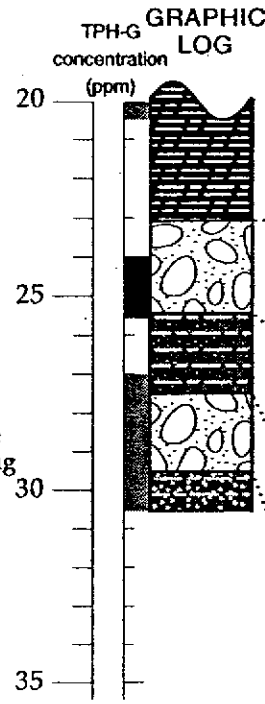
- ▼ Water level during drilling (date)
- ▽ Water level (date)
- ——— Contact (dotted where approximate)
- —?—?— Uncertain contact
- ////////// Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Faith Daverin
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Gregg Drilling, Martinez, CA
License Number: C57-485165
Driller: Marvin Hoover
Drilling Method: Hollow stem auger
Date Drilled: March 3, 1995
Well Head Completion: 2" locking well-plug, traffic-rated vault
Type of Sampler: Split barrel (2" ID)
Ground Surface Elevation: 40.08 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - MW-4 (BH-10) - Shell Service Station WIC #204-6852-1404, 150th Avenue, San Leandro, California

WELL MW-4 (BH-10)(cont.)





DESCRIPTION

Clayey SILT (ML); brown, speckled black; medium stiff; damp; 80% fines, 20% medium to coarse sand, coarsens downward; low plasticity; low K

Sandy GRAVEL (GM); brown; medium dense; very moist; 25% fines, 25% medium to coarse sand, 50% gravel to 0.25" diameter; moderate to high K

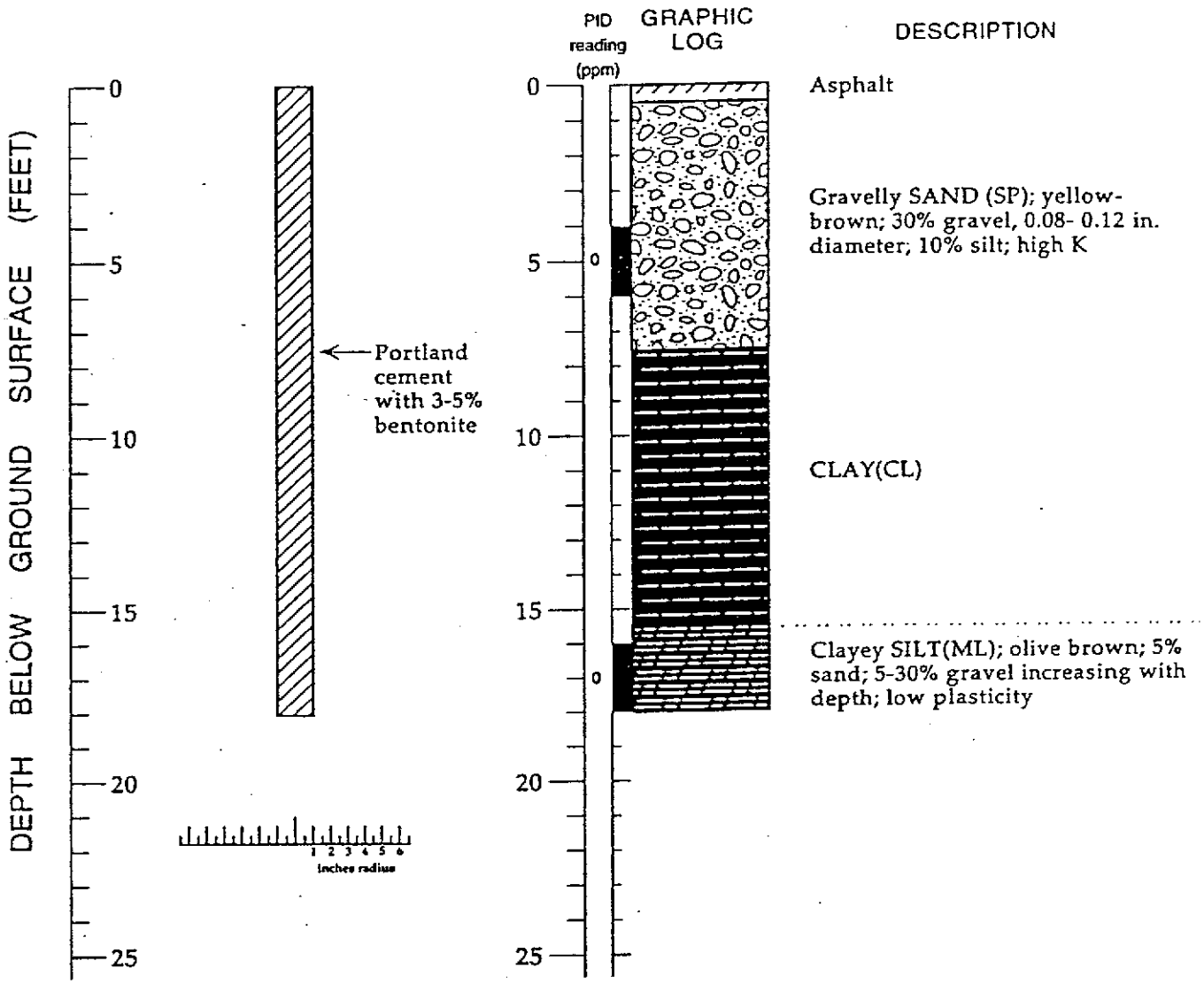
Sandy SILT (ML); light brown, speckled black; slightly dense; damp to moist; 70% fines, 30% fine to medium sand; low plasticity; low K

Sandy GRAVEL (GM); brown; medium dense; very moist; 10% fines; 90% fine to very coarse sand; high K

Silty SAND (SM); light brown; loose; very wet; 30% silt, 70% very fine to fine sand; low plasticity; moderate K

Boring Log and Well Construction Details - MW-4 (BH-10) - Shell Service Station WIC #204-6852-1404, 150th Avenue, San Leandro, California

LITHOLOGIC LOG SVS-3



EXPLANATION

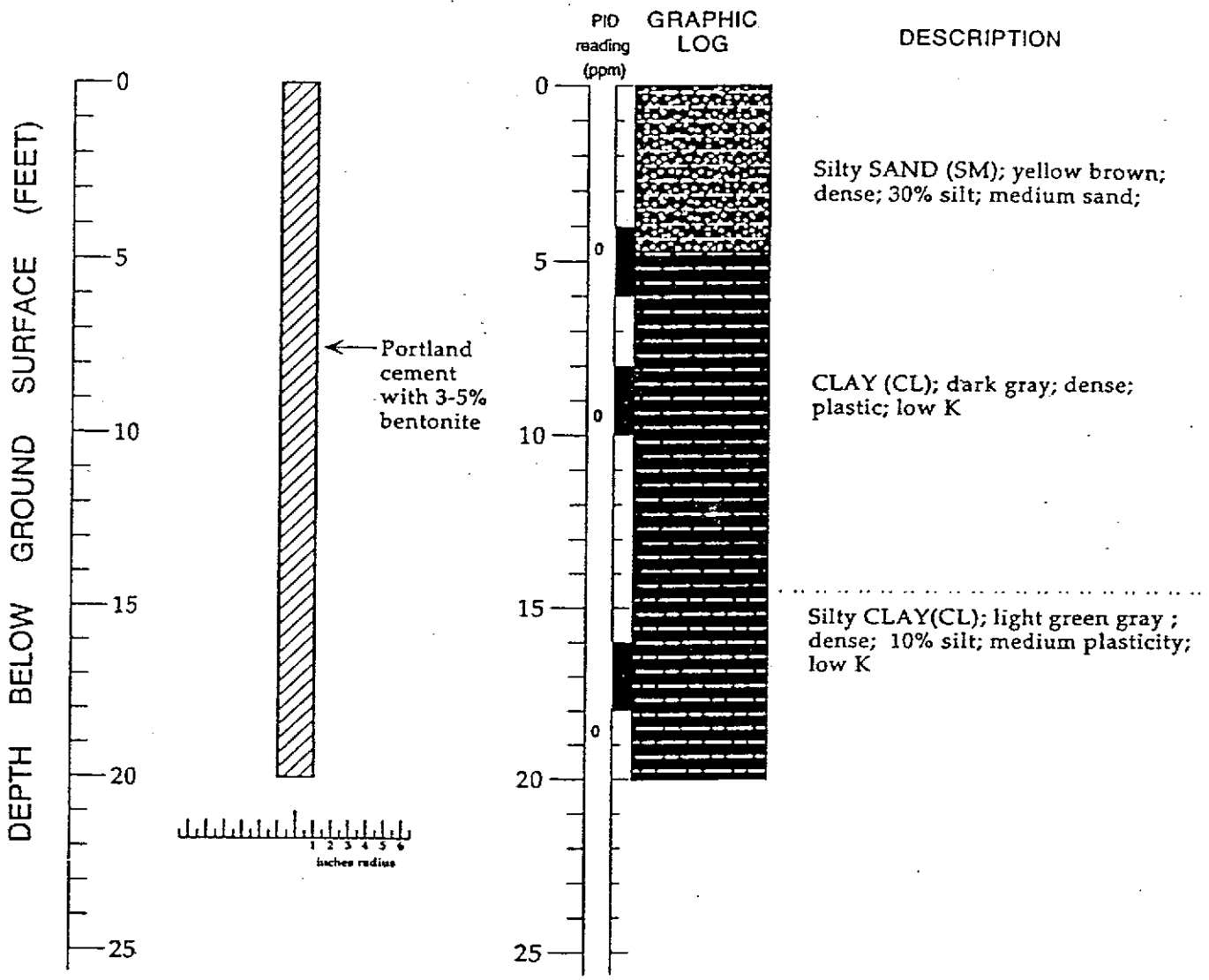
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- —?—?— Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Chuck Headlee
Supervisor: Jim Carmody; CEG 1576
Drilling Company: Interphase Inc.
License Number: C57-485165
Driller: Rick Nessinger
Drilling Method: Geoprobe
Date Drilled: August 18, 1996
Type of Sampler: Geoprobe Sampler
PID: Photoionization detector

Lithographic Log Details - Lithographic Log SVS-3, Shell Service Station WIC# 204-6852-1404, 1784 150th Avenue, San Leandro, California

11/15/96

LITHOLOGIC LOG SVS-5



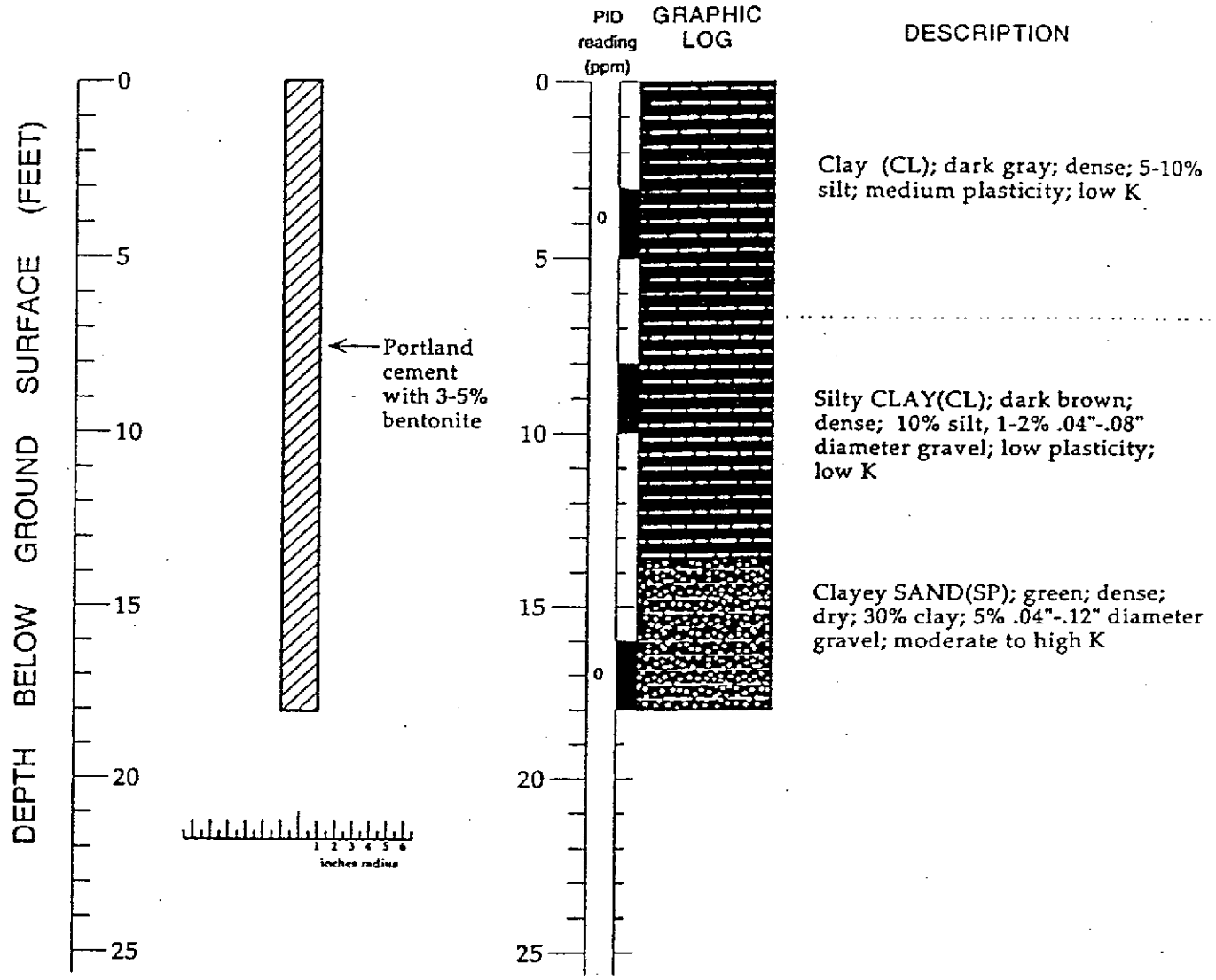
EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- —?—?— Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Chuck Headlee
Supervisor: Jim Carmody, CEG 1576
Drilling Company: Interphase Inc.
License Number: C57-606481
Driller: Rick Nessinger
Drilling Method: Geoprobe
Date Drilled: August 18, 1996
Type of Sampler: Geoprobe Sampler
PID: Photoionization detector

Lithographic Log Details - Lithographic Log SVS-5, Shell Service Station, WIC#204-6852-1404, 1784 150th Avenue, San Leandro, California

LITHOLOGIC LOG SVS-9



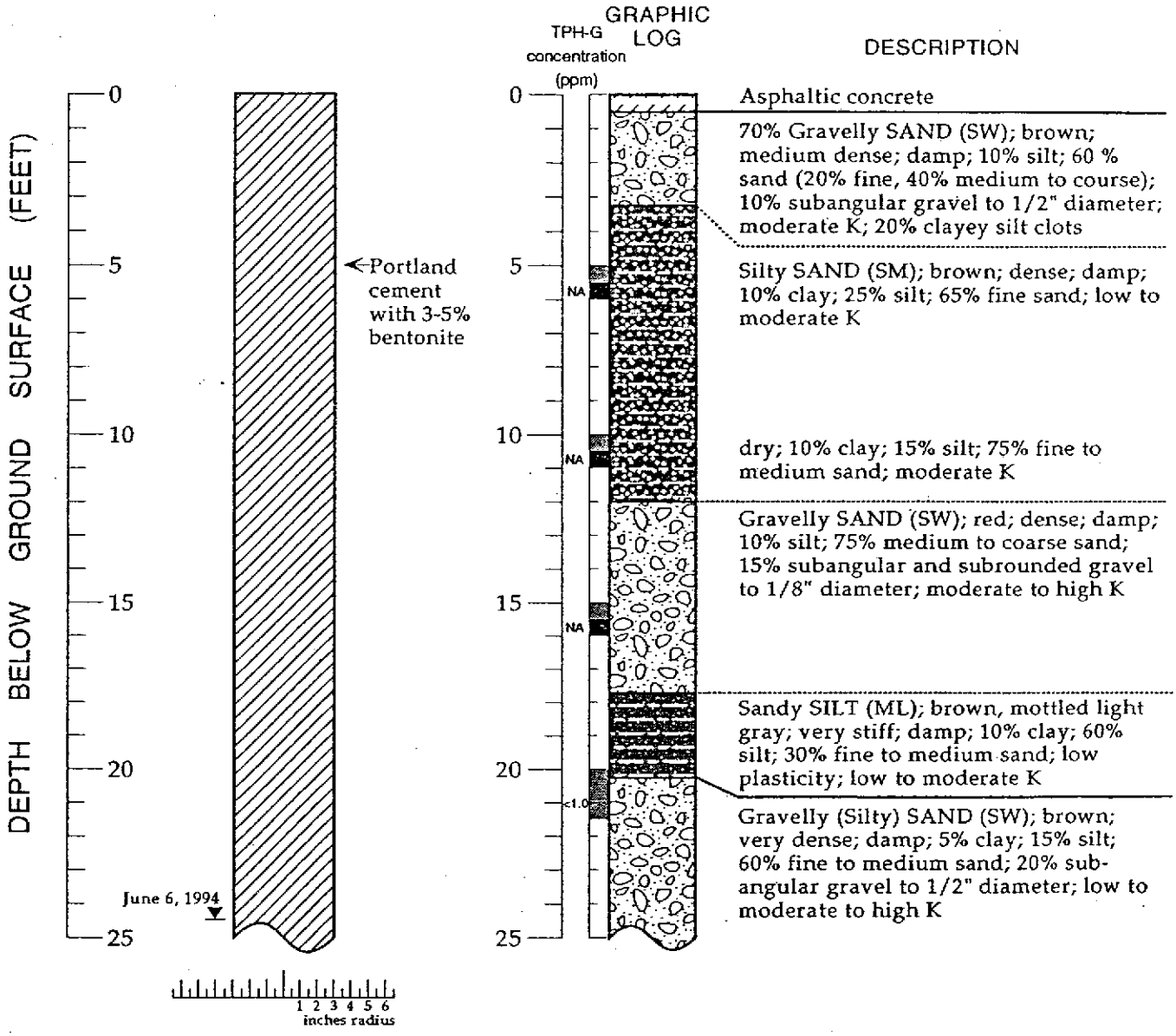
EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Chuck Headlee
Supervisor: Jim Carmody, CEG 1576
Drilling Company: Interphase Inc.
License Number: C57-606481
Driller: Rick Nessinger
Drilling Method: Geoprobe
Date Drilled: July 19, 1996
Type of Sampler: Geoprobe Sampler
PID: Photionization detector

Lithographic Log Details - Lithographic Log SVS-9, Shell Service Station, WIC#204-6852-1404, 1784 150th Avenue San Leandro, California

SOIL BORING BH-1



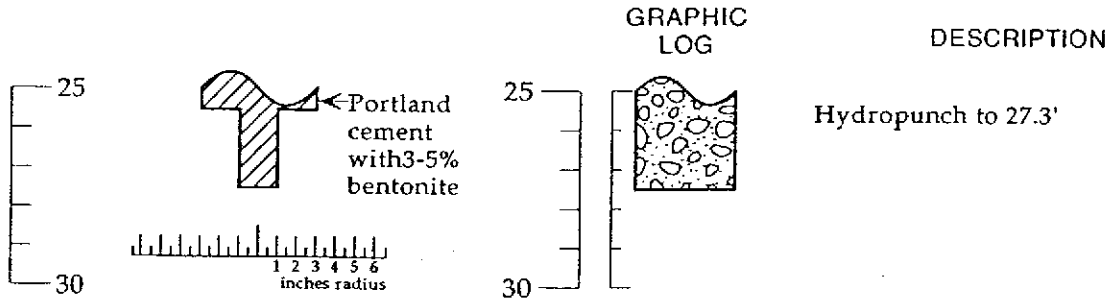
EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- —?—?— Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity
- NA = Not analyzed

Logged By: Jonathan Weingast
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Gregg Drilling, Pacheco, CA
License Number: C57-485165
Driller: Mike Braman
Drilling Method: Hollow-stem auger 6"
Date Drilled: June 6, 1994
Well Head Completion: N/A
Type of Sampler: Split spoon (2" ID)
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

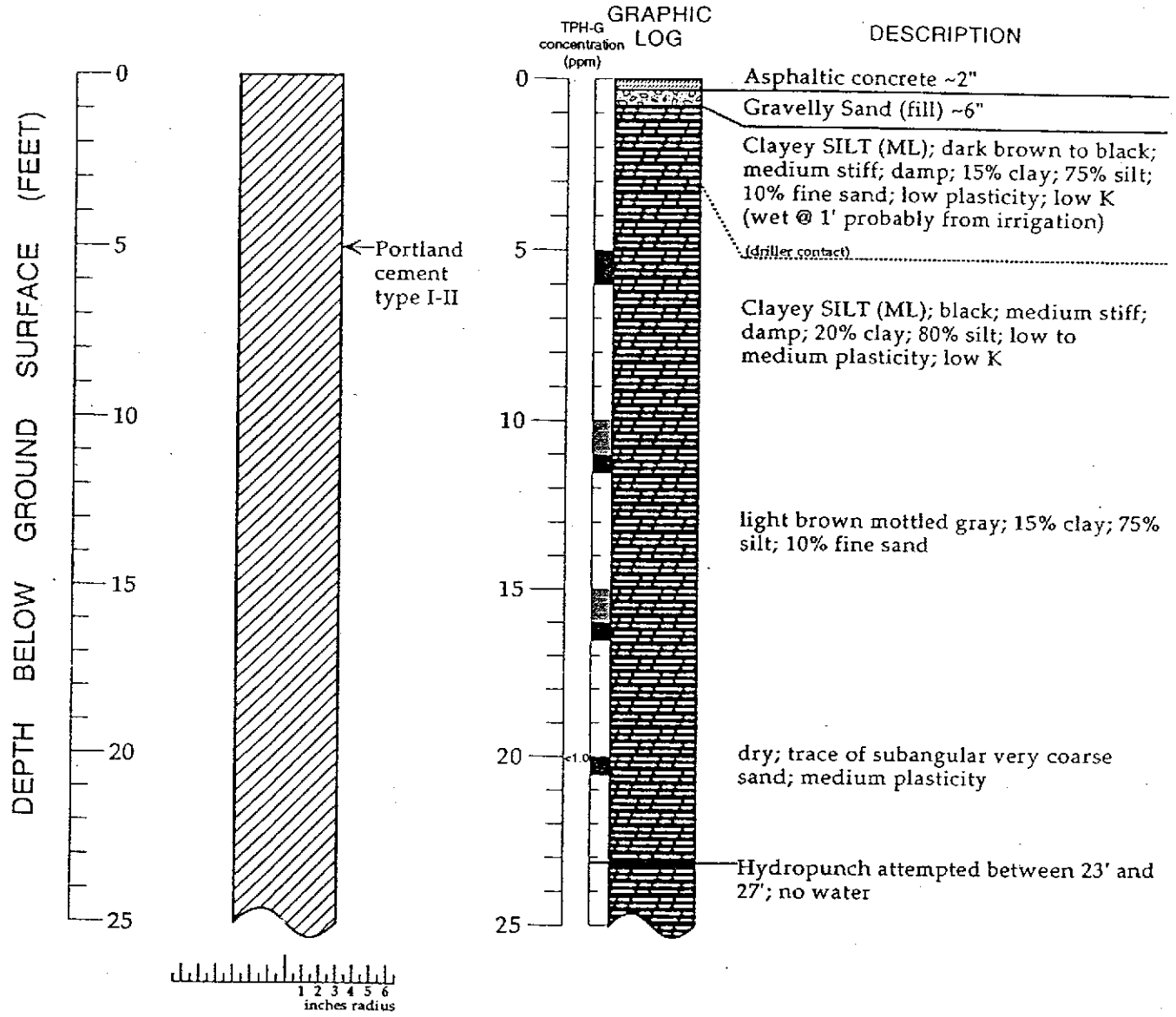
Boring Log Construction Details - BH-1 - Shell Service Station WIC# 204-6852-1404, 1784 150th Avenue, San Leandro, California

SOIL BORING BH-1 (cont.)



Boring Log Construction Details - BH-1 - Shell Service Station WIC# 204-6852-1404, 1784 150th Avenue, San Leandro, California

SOIL BORING BH-2



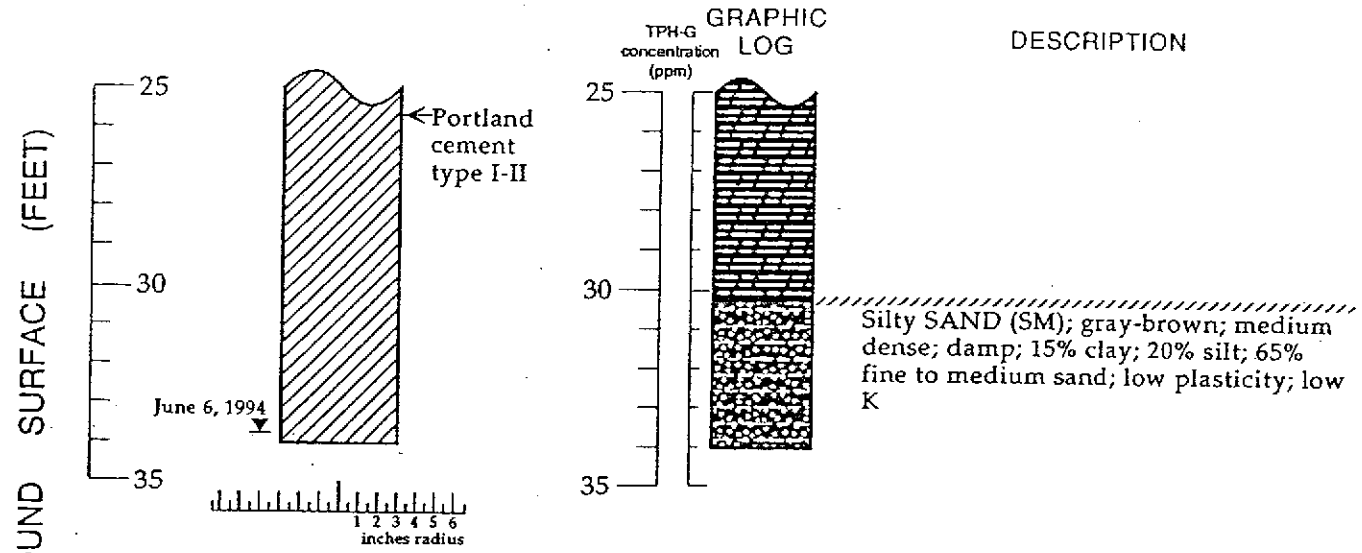
EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Jonathan Weingast
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Gregg Drilling, Pacheco, CA
License Number: C57-485165
Driller: Mike Braman, Rich Nessinger
Drilling Method: Hollow-stem auger 6"
Date Drilled: June 6, 1994
Well Head Completion: N/A
Type of Sampler: Split spoon (2" ID)
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

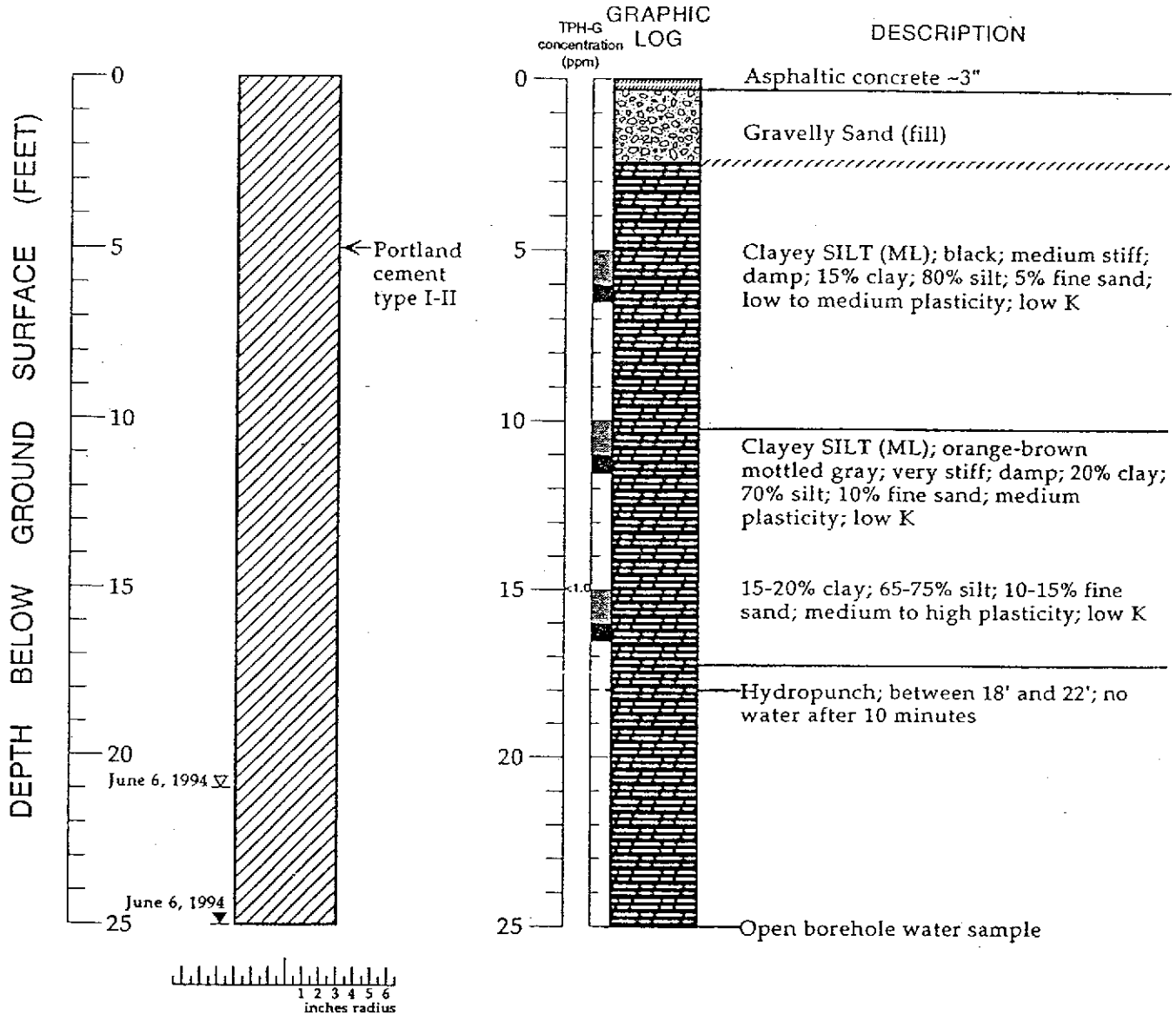
Boring Log Construction Details - BH-2 - Shell Service Station WIC# 204-6852-1404, 1784 150th Avenue, San Leandro, California

SOIL BORING BH-2 (cont.)



Boring Log Construction Details - BH-2 - Shell Service Station WIC# 204-6852-1404, 1784 150th Avenue, San Leandro, California

SOIL BORING BH-3



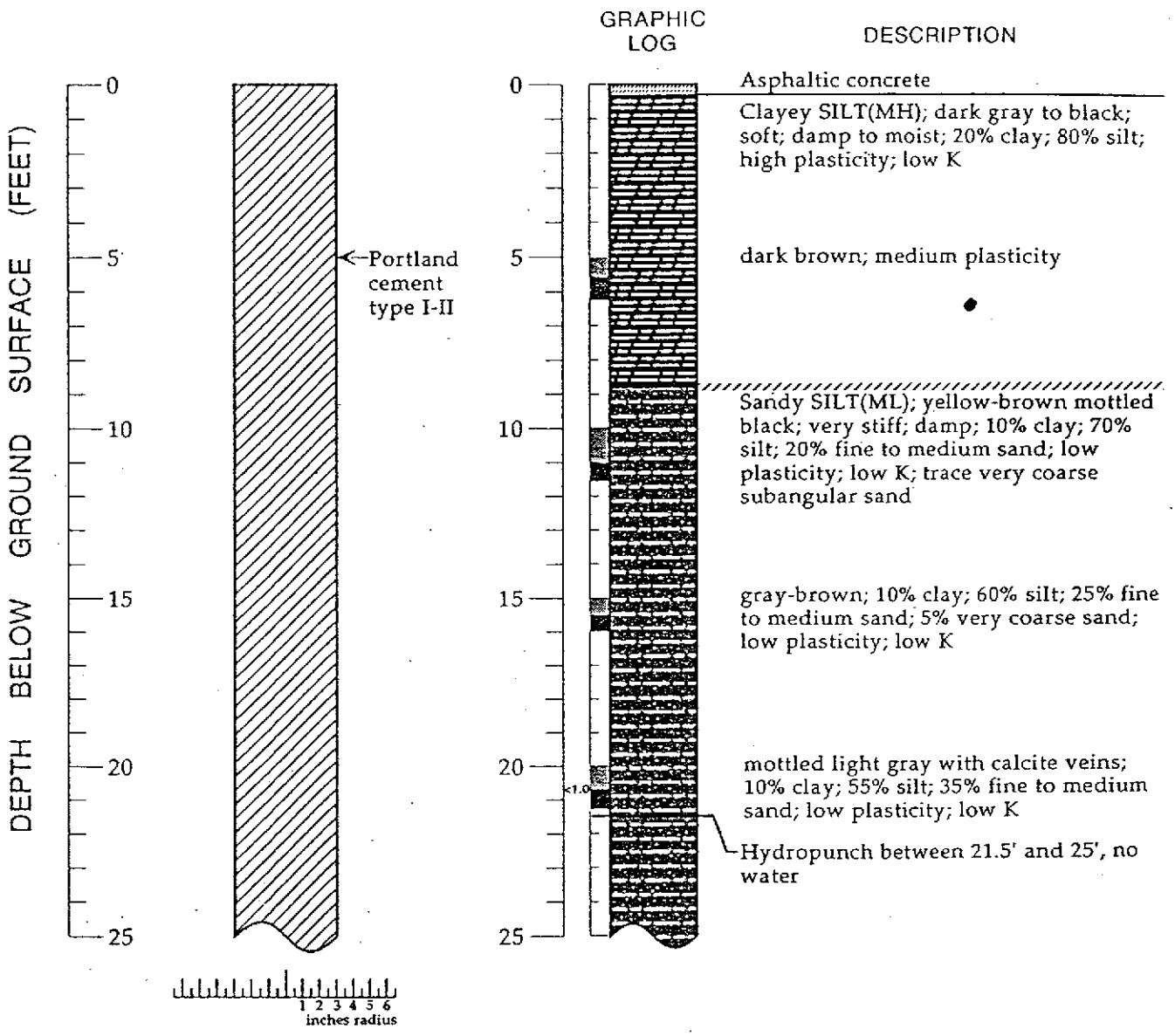
EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Jonathan Weingast
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Gregg Drilling, Pacheco, CA
License Number: C57-485165
Driller: Mike Braman, Rich Nessinger
Drilling Method: Hollow-stem auger 6"
Date Drilled: June 6, 1994
Well Head Completion: N/A
Type of Sampler: Split spoon (2" ID)
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log Construction Details - BH-3 - Shell Service Station WIC# 204-6852-1404, 1784 150th Avenue, San Leandro, California

SOIL BORING BH-4



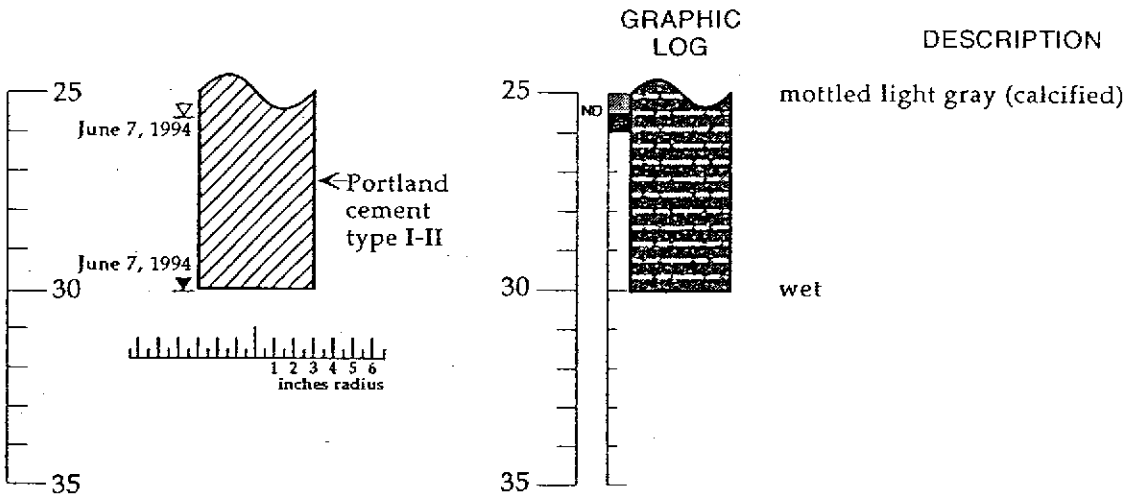
EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Jonathan Weingast
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Gregg Drilling, Pacheco, CA
License Number: C57-485165
Driller: Mike Braman, Rich Nessinger
Drilling Method: Hollow-stem auger
Date Drilled: June 7, 1994
Well Head Completion: N/A
Type of Sampler: Split spoon (2" ID)
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

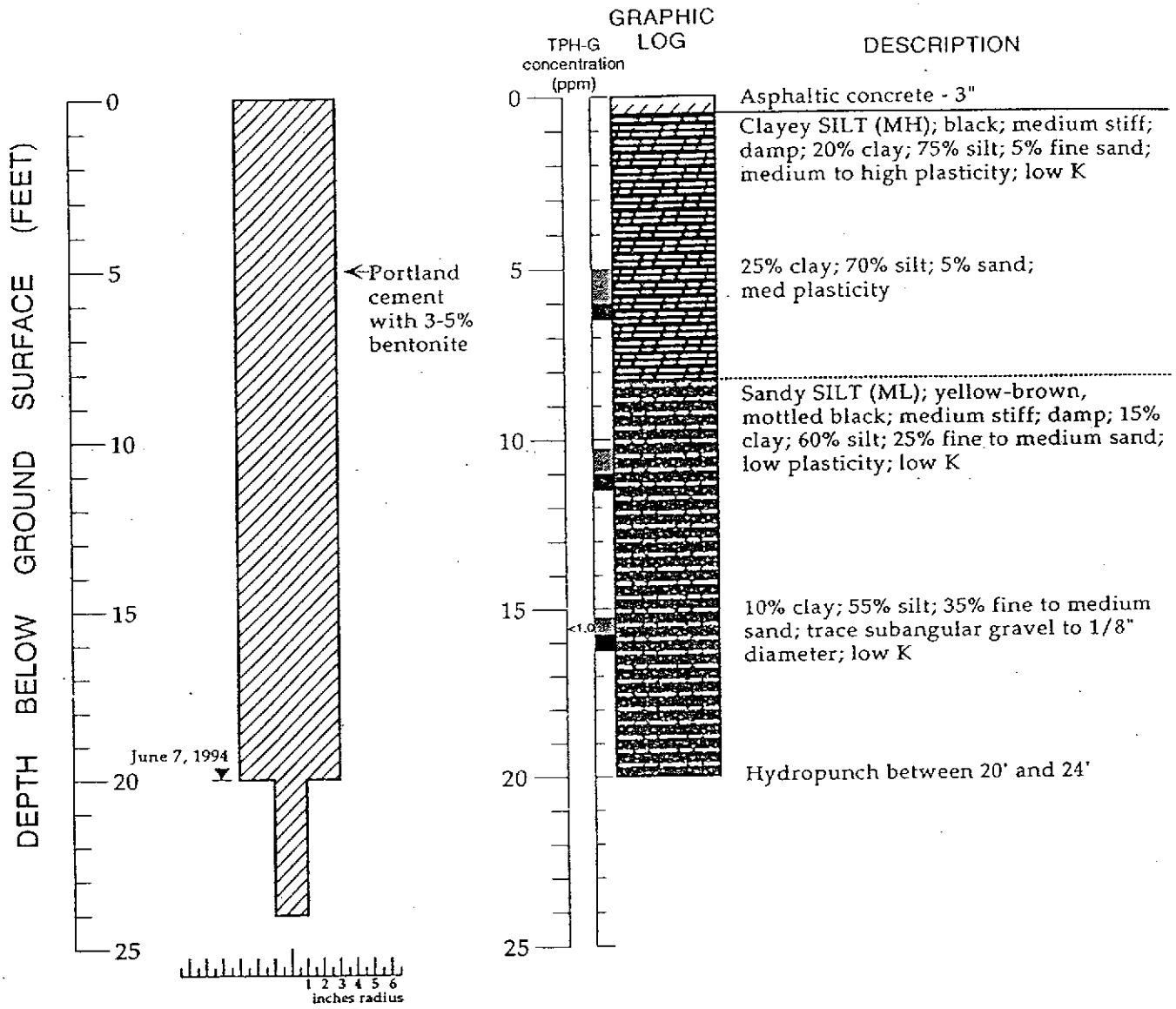
Boring Log Construction Details - BH-4 - Shell Service Station WIC# 204-6852-1404, 1784 150th Avenue, San Leandro, California

SOIL BORING BH-4 (cont.)



Boring Log Construction Details - BH-4 - Shell Service Station WIC# 204-6852-1404, 1784 150th Avenue, San Leandro, California

SOIL BORING BH-5



EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- —?—?— Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Jonathan Weingast
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Gregg Drilling, Pacheco, CA
License Number: C57-485165
Driller: Mike Braman
Drilling Method: Hollow-stem auger 6"
Date Drilled: June 7, 1994
Well Head Completion: N/A
Type of Sampler: Split spoon (2" ID)
TPH-G: Total Petroleum Hydrocarbons as gasoline in soil by modified EPA Method 8015

Boring Log Construction Details - BH-5 - Shell Service Station WIC# 204-6852-1404, 1784 150th Avenue, San Leandro, California

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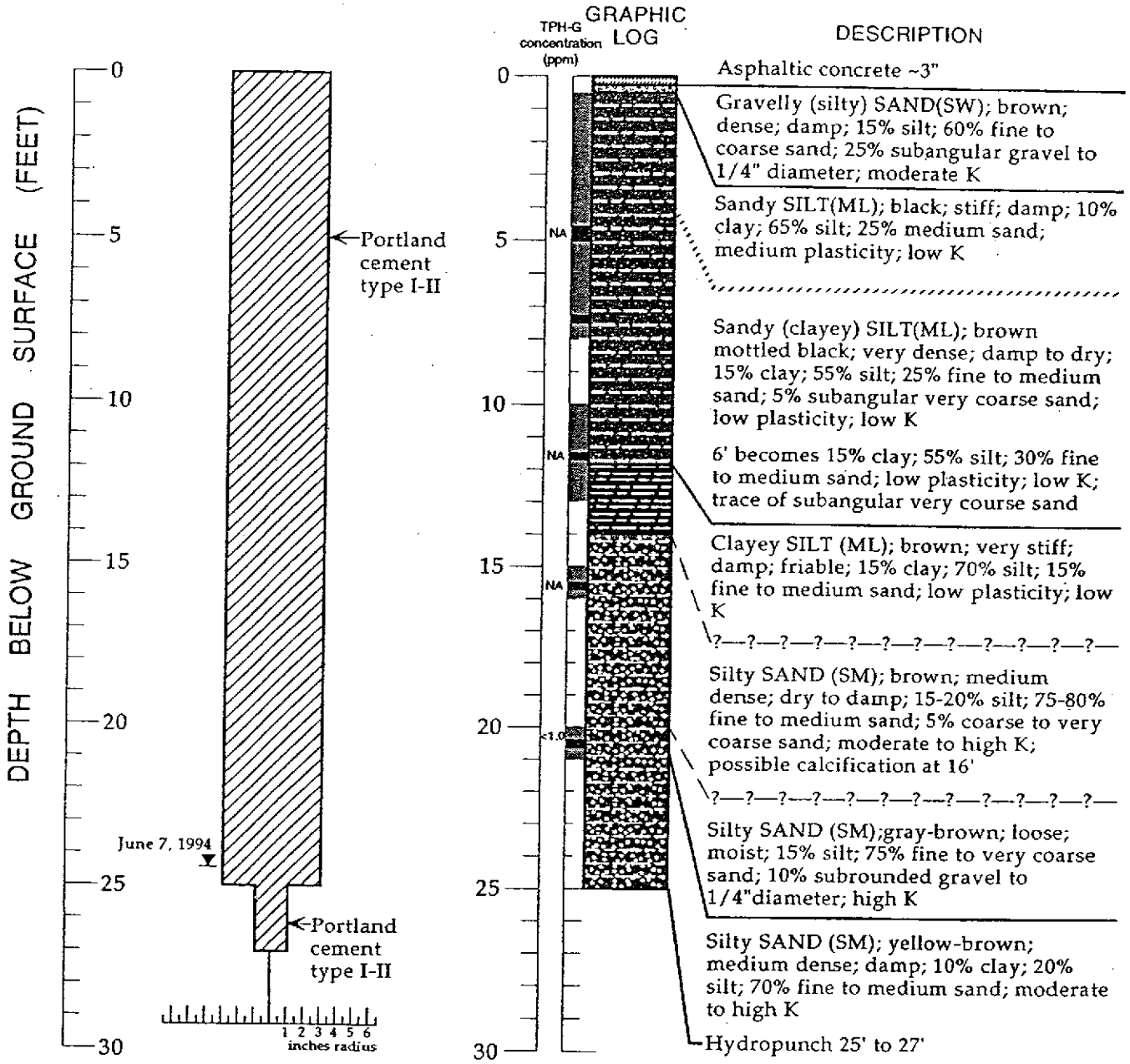
SOIL BORING BH-6



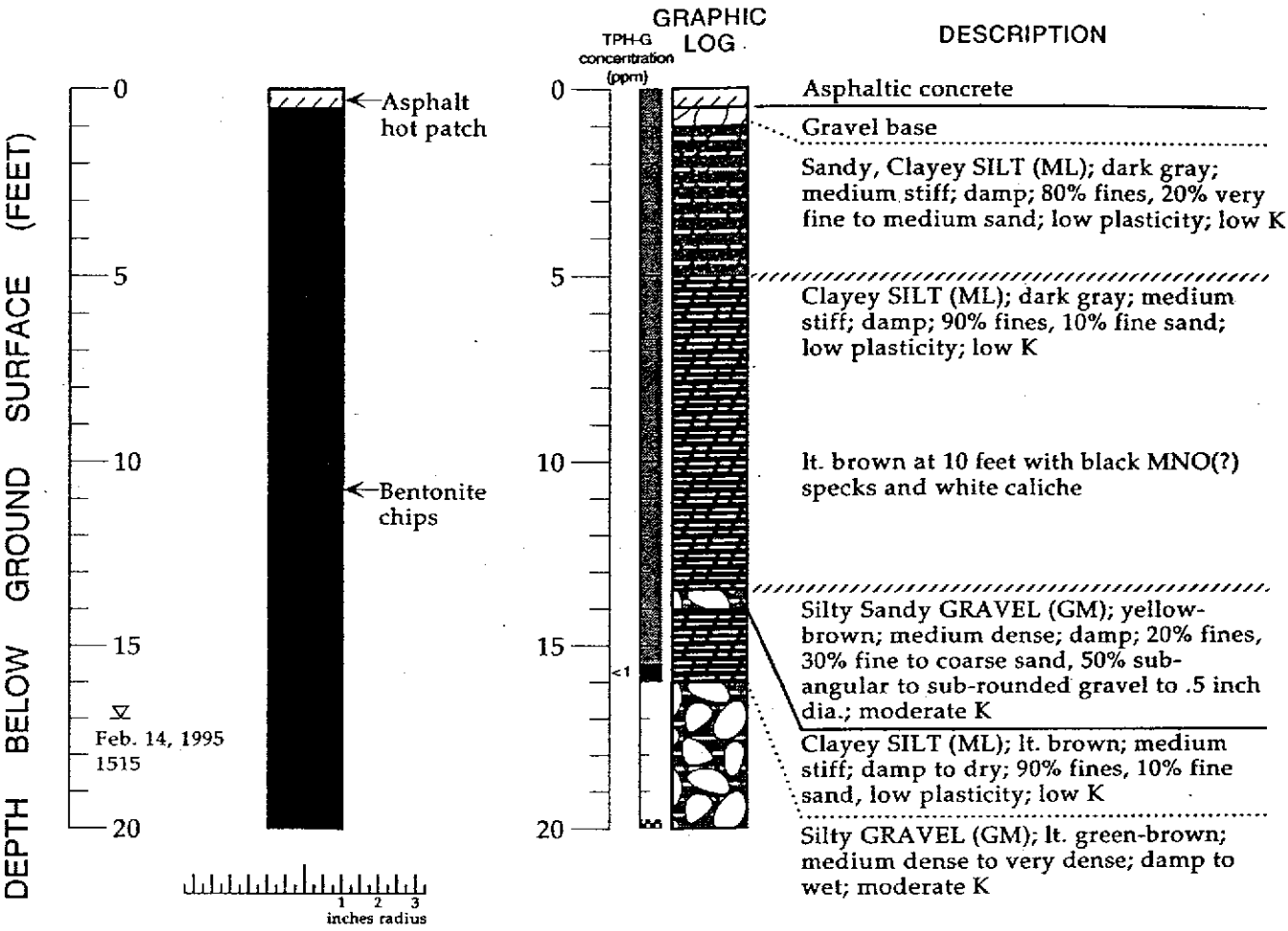
EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- —?—?— Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity
- NA = Not analyzed

Logged By: Jonathan Weingast
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Gregg Drilling, Pacheco, CA
License Number: C57-485165
Driller: Mike Braman, Rich Nessinger
Drilling Method: Hollow-stem auger 6"
Date Drilled: June 7, 1994
Well Head Completion: N/A
Type of Sampler: Continuous core
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log Construction Details - BH-6 - Shell Service Station WIC# 204-6852-1404, 1784 150th Avenue, San Leandro, California

BH-7



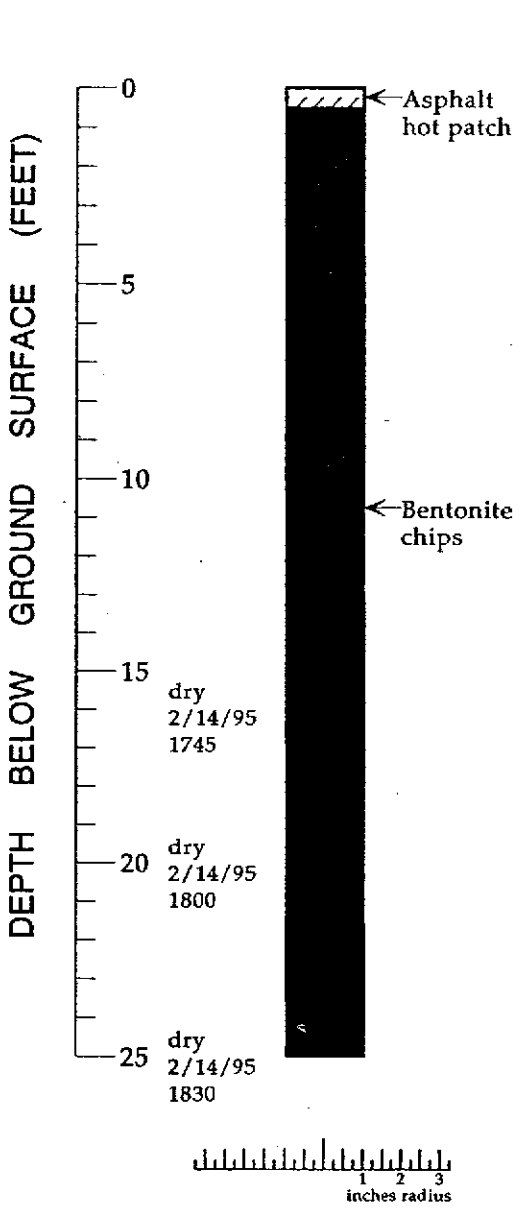
EXPLANATION

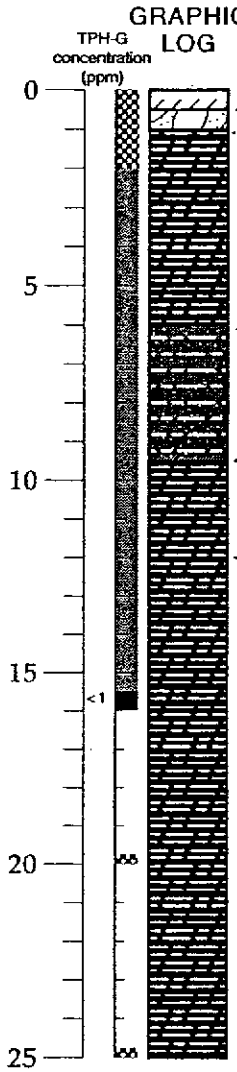
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Thomas Howard
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Vironix, Foster City, CA
License Number: C57-606481
Driller: Tom VanHuizen
Drilling Method: GeoProbe
Date Drilled: February 14, 1995
Well Head Completion: N/A
Type of Sampler: Californnia continous soil and ground water sampler
Ground Surface Elevation: ~40 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - BH-7 - Shell Service Station WIC #204-6852-1404, 150th Avenue, San Leandro, California

BH-8





DESCRIPTION

Asphaltic concrete

Gravel base

Clayey SILT (ML); gray; soft; moist; 75% fines, 25% gravel to 0.75 inch diameter; low plasticity; low K

Sandy SILT (ML); brown; soft; damp; 90% fines, 10% gravel to 0.5 inch diameter; low K

Light brown at 9 feet with white caliche

Clayey SILT (ML); brown with black MNO specks; soft; damp; low plasticity; low K

Clayey SILT (ML); olive-brown; medium stiff; damp; low plasticity; low K

Attempted hydropunch 16 to 20 feet

Attempted hydropunch 20 to 25 feet

No water

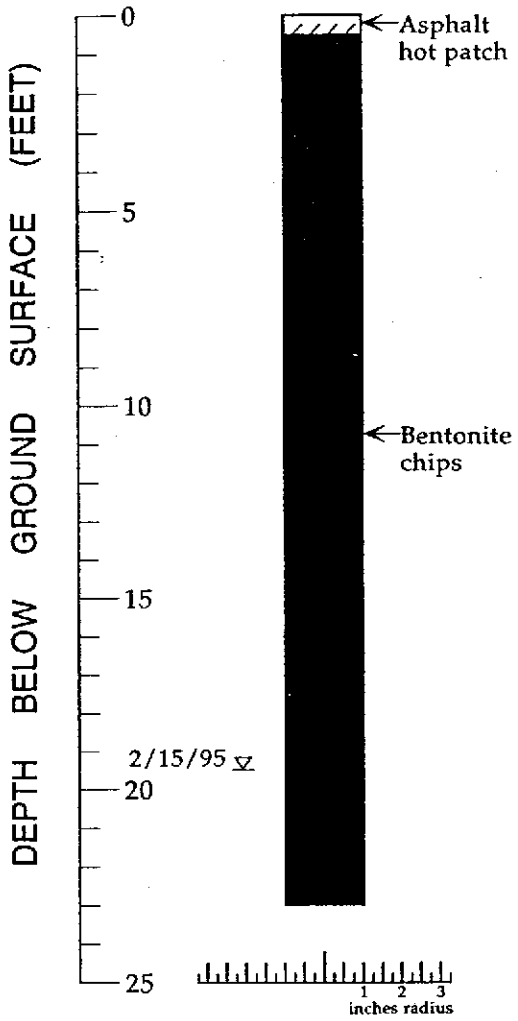
EXPLANATION

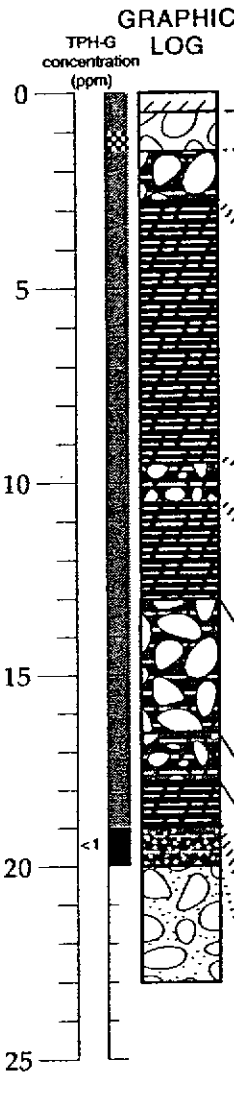
- ▼ Water level during drilling (date)
- ▽ Water level (date)
- ——····—— Contact (dotted where approximate)
- —?—?— Uncertain contact
- //////// Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Faith M. Daverin
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Vironix, Foster City, CA
License Number: C57-606481
Driller: Tom VanHuizen
Drilling Method: GeoProbe
Date Drilled: February 14, 1995
Well Head Completion: N/A
Type of Sampler: California continous soil and ground water sampler
Ground Surface Elevation: ~40 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - BH-8 - Shell Service Station WIC #204-6852-1404, 150th Avenue, San Leandro, California

BH-9





DESCRIPTION

Asphaltic concrete

Gravel base

Silty GRAVEL (GM); very dark gray; medium dense; damp; 40% fines, 60% fine gravel to .60 inch dia.; medium plasticity; low K

Clayey SILT (ML); very dark gray; medium stiff; damp; 90% fines, 10% fine sand; medium plasticity; low K

medium stiff to soft from 4.5 ft. to 8 ft.

5% fine gravel to .30 inch dia. from 5 ft. to 8 ft.

Gravelly SILT (ML); olive-gray; medium stiff; damp; 80% fines, 20% fine gravel to .5 inch dia.; medium plasticity; low K

Clayey SILT (ML); olive-brown; medium stiff; damp; 90% fines, 10% fine sand; medium plasticity; low K

—?— —?— —?— —?— —?— —?— —?—

Sandy SILT (ML); olive-brown, speckled black; medium stiff; damp; 80% fines, 20% fine to coarse sand; medium plasticity; low K

—?— —?— —?— —?— —?— —?—

Gravelly SILT (ML)

—?— —?— —?— —?— —?— —?—

Clayey SILT (ML); olive-brown, speckled black; medium stiff; damp; 90% fines, 10% fine sand; medium plasticity; low K

Silty SAND (SM); olive-brown; medium dense; moist; 20% fines, 80% fine to coarse sand; low plasticity; moderate to high K

Sandy GRAVEL (GM); medium dense; wet; high K

Attempt Hydropunch 20.0 to 23.0 ft. collect water sample

EXPLANATION

- ▼ Water level during drilling (date)
- ▽ Water level (date)
- ..... Contact (dotted where approximate)
- —?—?— Uncertain contact
- ////////// Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Thomas Howard
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Vironix, Foster City, CA
License Number: C57-606481
Driller: Tom VanHuizen
Drilling Method: GeoProbe
Date Drilled: February 15, 1995
Well Head Completion: N/A
Type of Sampler: California continous soil and water sampler
Ground Surface Elevation: ~40 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - BH-9 - Shell Service Station WIC #204-6852-1404, 150th Avenue, San Leandro, California

05/13/95

Cambria Environmental Technology, Inc.
1144 - 65th St.
Oakland, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	SVS-11
JOB/SITE NAME	snl1784	**DRILLING STARTED**	10-Nov-98
LOCATION	1784 150th Avenue, San Leandro, California	**DRILLING COMPLETED**	10-Nov-98
PROJECT NUMBER	240-0612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	T. Buggle	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	D. Ataide	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand augered to 5' bgs.		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
					ASPHALT	0.4	
					FILL; Road base.		
						3.0	
				CL	**Silty CLAY**: (CL); Dark brown; dry; 75% clay, 25% silt; low plasiticity; low estimated permeability.		
			5			5.0	
				SP	**SAND**: (SAND); Light-brown; dry; 10% silt, 80% sand, 10% gravel; high permeability.	5.5	
<1.0		SVS-11 @5.5			**CLAY**: (CL); black; dry; 90% clay, 5% silt, 5% sand; medium plasiticity; low permeability.		
				CL			
<1.0		SVS-11 @9.5	10				Portland Type I/II
						11.0	
					Silty CLAY: (CL); grey-green; dry; 60% clay, 30% silty , 10% sand; low plasiticity; low permeability.		
				CL			
			15			15.0	
<1.0		SVS-11 @15.0		CL	**Silty Sandy CLAY**: (CL); grey-green; dry; 60% clay, 20% silty, 20% sand; low plasiticity; low permeability.		
						17.0	
				CL	**Silty CLAY**: (CL); black; dry; 60% clay, 30% silty, 10% sand; low plasiticity; low permeability.	17.5	
				CL	**Silty Sandy CLAY**: (CL); grey-green; dry; 60% clay, 20% silty, 20% sand; low plasiticity; low permeability.	19.5	
1.6		SVS-11 @19.5					Bottom of Boring @ 19.5 ft

WELL LOG (TPH-G) G:\SNL1784\GINT\SNL1784.GPJ DEFAULT.GDT 9/16/99

Cambria Environmental Technology, Inc.
1144 - 65th St.
Oakland, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	SVS-14
JOB/SITE NAME	snl1784	**DRILLING STARTED**	11-Nov-98
LOCATION	1784 150th Avenue, San Leandro, California	**DRILLING COMPLETED**	11-Nov-98
PROJECT NUMBER	240-0612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	T. Buggle	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	D. Ataide	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand augered to 5' bgs.		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.5	
							FILL; sand, gravel.	3.0	
							CLAY; (CL); black; soft; dry; 90% clay, 10% silt; high plasiticity; low estimated permeability. @ 4' - medium-high plasiticity.		
<1.0		SVS-14 @5.0		5	CL		@ 8' - black-brown; medium-hard; 80 % clay, 20% silt, medium plasiticity; low estimated permeability		
<1.0		SVS-14 @10.0		10			@ 10' - brown; medium-hard; dry; 70% clay, 20% silt, 5% sand, 5% gravel; low plasiticity; low estimated permeability.	12.0	◄ Portland Type I/II
					CL		**Silty Sandy CLAY**; (CL); brown-grey; medium-hard; dry; 60% clay, 20% silt, 15% sand, 5% gravel; low plasiticity; low estimated permeability.	15.0	
<1.0		SVS-14 @15.0		15	CL		**Silty CLAY**; (CL); brown; medium-hard; moist; 70% clay, 25% silt, 5% sand; low plasiticity; low estimated permeability. @ 16' 70% clay, 30% silt; low plasiticity; low estimated permeability.		
<1.0		SVS-14 @19.0		20				20.0	Bottom of Boring @ 20 ft

WELL LOG (TPH-G) G:\SNL1784\GINT\SNL1784.GPJ DEFAULT.GDT 9/15/99

Cambria Environmental Technology, Inc.
1144 - 65th St.
Oakland, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	SVS-15
JOB/SITE NAME	snl1784	**DRILLING STARTED**	11-Nov-98
LOCATION	1784 150th Avenue, San Leandro, California	**DRILLING COMPLETED**	11-Nov-98
PROJECT NUMBER	240-0612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	T. Buggle	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	D. Ataide	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5' bgs.		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	1.0	
							Silty CLAY;(CL); black @ 5' black- brown; soft; dry; 80% clay, 20% silt; medium plasiticty; low estimated permeability.		
<1.0		svs-15 @4.5		5	CL				
							@ 9' - grey-green; medium-hard; low plasiticity; 70% clay, 30% silt.		
<1.0		svs-15 @10		10				11.0	Portland Type I/II
					CL		**Silty Sandy CLAY**; (CL); grey-brown; medium-hard; dry; 60% clay, 20% silt, 20% sand; low plasiticity; low estimated permeability.		
							@ 13' - grey-brown; 60% clay, 20% silt, 15% sand, 5% gravel; medium plasiticity.	15.0	
<1.0		svs-15 @15		15			**Silty CLAY**; (CL); grey-brown; medium; dry; 60% clay, 20% silt, 10% sand, 10% gravel; low plasiticity; low estimated permeability.		
					CL		@ 17' - medium-hard; 70% clay, 20% silt, 10% sand.		
<1.0		svs-15 @19.5		20				20.5	Bottom of Boring @ 20 ft

Cambria Environmental Technology, Inc.
1144 - 65th St.
Oakland, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	SVS-16
JOB/SITE NAME	snl1784	**DRILLING STARTED**	11-Nov-98
LOCATION	1784 150th Avenue, San Leandro, California	**DRILLING COMPLETED**	11-Nov-98
PROJECT NUMBER	240-0612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	T. Buggle	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	D. Ataide	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5' bgs.		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT.	0.5	
							FILL; road base.	1.5	
							Silty CLAY; (CL); black; soft; dry; 80% clay, 20% silt; medium plasticity; low estimated permeability.		
<1.0		SVS-16 @5.0		5					
							@ 7' - grey-brown; medium; 70 % clay, 20% silt, 10% gravel; medium-low plasticity.		
							@ 8' - black; medium; 80% clay, 20% silt; medium plasticity.		
<1.0		SVS-16 @10.0		10	CL		@ 9' - green-brown; hard; 60 % clay, 25% silt, 10%, 5% gravel; low plasticity; low estimated permiability.		Portland Type I/II
							@ 12' - brown @ 15' Brown-black; very hard; 70 % clay, 20% silt, 10% sand; low plasticity; low estimated permiability.		
<1.0		SVS-16 @15.0		15					
								19.0	Bottom of Boring @ 19 ft
							Refusal @ 19'.		

WELL LOG (TPH-G) G:\SNL1784\GINT\SNL1784.GPJ DEFAULT GDT 9/15/09

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BORING/WELL

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-5
JOB/SITE NAME	1784 150th Avenue, San Leandro, California	**DRILLING STARTED**	24-Oct-01
LOCATION	1784 150th Avenue, San Leandro, California	**DRILLING COMPLETED**	24-Oct-01
PROJECT NUMBER	243-0612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	8"	**SCREENED INTERVAL**	10 to 25 ft bgs
LOGGED BY	S. Landsittel	**DEPTH TO WATER (First Encountered)**	20.0 ft (24-Oct-01) ▽
REVIEWED BY	S. Bork, RG# 5620	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Hand augered to 5' bgs. Located at corner of private driveway and 150th Ave. 100' SW of site.

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
							ASPHALT	0.5
							FILL; yellowish brown; mottled; 10% clay, 10% silt, 60% sand, 20% gravel; no plasticity; dry.	3.0
				5	CL		**Silty CLAY** (CL); black; 80% clay, 20% silt, rare gravel; stiff; high plasticity; damp. @ 5 ft bgs - 85% clay, 15% silt.	6.5
					GM		**Silty Sandy GRAVEL** (GM); brown; 10% clay, 25% silt, 25% sand, 40% gravel; no plasticity; damp.	9.5
				10	ML		**Clayey Sandy SILT** (ML); grayish brown; 15% clay, 60% silt, 20% sand, 5% gravel; low plasticity; damp.	
				15	SM		**Silty SAND with Gravel** (SM); light brown; 10% clay, 20% silt, 50% sand, 20% gravel; low plasticity; damp.	16.0
				20	ML		**Clayey Sandy SILT** (ML); brown; 15% clay, 58% silt, 25% sand, 2% gravel; medium plasticity; damp. ▽	19.0
				25			@ 24.5 ft bgs - 20% clay, 58% silt, 20% sand, 2% gravel.	25.0

WELL DIAGRAM

- Portland Type I/II Cement
- Bentonite Seal
- Monterey Sand #2/12
- 2"-diameter, 0.010" Slotted Schedule 40 PVC
- Bottom of Boring @ 25 ft

WELL LOG (PID) G:\SANLEA~3\GINT\SNL1784.GPJ DEFAULT.GDT 12/5/01

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-6
JOB/SITE NAME	1784 150th Avenue, San Leandro, California	**DRILLING STARTED**	24-Oct-01
LOCATION	1784 150th Avenue, San Leandro, California	**DRILLING COMPLETED**	24-Oct-01
PROJECT NUMBER	243-0612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	8"	**SCREENED INTERVAL**	5 to 20 ft bgs
LOGGED BY	S. Landsittel	**DEPTH TO WATER (First Encountered)**	8.0 ft (24-Oct-01) ▽
REVIEWED BY	S. Bork, RG# 5620	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Hand augered to 5' bgs. Located in north side of private driveway approximately 70' SW of site and 120' SE of 150th Ave.

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.4	Portland Type I/II Cement
							FILL; reddish brown; 5% clay, 5% silt, 55% sand, 35% subangular gravel; no plasticity; damp.	3.0	Bentonite Seal
		MW-6-5.5		5	CL		**Silty CLAY** (CL); black; 75% clay, 20% silt, 5% sand; stiff; high plasticity; moist. @ 4 ft bgs - wet. ▽		Monterey Sand #2/12
				10	GM		**Silty Sandy GRAVEL** (GM); brown; 5% clay, 25% silt, 20% fine sand, 50% subangular gravel; no plasticity; wet.	10.0	
				15	ML		**Clayey SILT** (ML); light brown; 25% clay, 60% silt, 10% sand, 5% gravel; stiff; low to medium plasticity; damp.	13.0	2"-diameter, 0.010" Slotted Schedule 40 PVC
							@ 18.5 ft bgs - 25% clay, 65% silt, 8% sand, 2% gravel.		
				20				20.0	Bottom of Boring @ 20 ft

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-7
JOB/SITE NAME	1784 150th Avenue, San Leandro, California	**DRILLING STARTED**	03-Oct-02
LOCATION	1784 150th Avenue, San Leandro, California	**DRILLING COMPLETED**	03-Oct-02
PROJECT NUMBER	244-0612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	44.86 ft above msl
DRILLING METHOD	Hollow Stem Auger	**TOP OF CASING ELEVATION**	44.45 ft above msl
BORING DIAMETER	8"	**SCREENED INTERVAL**	22 to 27 ft bgs
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	24.5 ft (03-Oct-02) ▽
REVIEWED BY	M. Derby, PE# 55475	**DEPTH TO WATER (Static)**	18.88 ft (04-Oct-02) ▼
REMARKS	Hand augered to 5' bgs.		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	BORING BACKFILL
							Asphalt	0.8	
					GM		**Silty GRAVEL with Sand**; (GM); 10YR 5/3, brown; loose; dry; 30% Silt, 10% Sand, 60% Clay; no plasticity; no odor; road base.	2.8	
		SB7@5'		5	CL		**Silty CLAY**; (CL); 10YR 2/1, Black; hard; dry; 65% Clay, 35% Silt; very low plasticity; no odor.		
		SB7@10'		10			10YR 4/2, very dark greyish brown; very hard. Clay; Very stiff to hard; dry; 60% Clay, 40% Silt. 10YR 3/2, very gark greyish brown.	13.0	Portland Type I/II Cement
		SB7@15'		15	ML		**SILT with some Clay**; (ML); 2.5Y 5/2, greyish brown; hard; dry; 2% Clay, 98% Silt; no plasticity; no odor. 10YR 5/2, greyish brown.		
		SB7@20'		20			Very stiff, brittle; dry; 100% Silt.	22.3	Bentonite Seal
					GW		**Well Graded GRAVEL with Silt and Sand**; (GW); 5Y 3/2; dark olive grey; loose; moist; 20% Silt, 25% Sand, 55% Gravel; no plasticity; no odor.	23.0	Monterey Sand #2/12
		SB7@25'		25	ML		**Clayey SILT with some fine Gravels and Sand**; (ML); 5Y 3/2, olive grey; medium stiff; moist to wet; 25% Clay, 60% Silt, 5% Sand, 10% Gravel; no plasticity; slight hydrocarbon odor.	25.8	2"-diameter, 0.010" Slotted Schedule 40 PVC
					GM		**Silty GRAVEL with Sand**; (GM); 5Y 4/2, olive grey; loose; wet to saturated; 30% Silt, 5% Sand, 65% Gravel; no plasticity; "old" hydrocarbon or petroleum odor.		
		SB7@32'		30				32.0	Bottom of Boring @ 32 ft

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	BORING/WELL NAME	MW-8
JOB/SITE NAME	1784 150th Avenue, San Leandro, California	DRILLING STARTED	04-Oct-02
LOCATION	1784 150th Avenue, San Leandro, California	DRILLING COMPLETED	04-Oct-02
PROJECT NUMBER	244-0612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	43.60 ft above msl
DRILLING METHOD	Direct Push/Hollow Stem Auger	TOP OF CASING ELEVATION	43.27 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	19 to 24 ft bgs
LOGGED BY	S. Dalie	DEPTH TO WATER (First Encountered)	21.0 ft (04-Oct-02) ▽
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	17.76 ft (04-Oct-02) ▼
REMARKS	Hand augered to 5' bgs.		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	BORING BACKFILL
							Asphalt	0.8	
					GW		**Well graded GRAVEL with Sand**; (GW); 10YR 4/2, dark greyish brown; loose; dry; 20% Sand, 80% Gravel; no plasticity; no odor; road base.	2.3	
		MW8@5'		5	CL		**Silty CLAY**; (CL); 10YR 2/1, black; medium hard; dry; 80% Clay; 20% Silt; very low plasticity; no odor.		Portland Type I/II Cement
		MW8@10'		10			10YR 3/1, very dark grey; very hard; dry; 75% Clay, 25% Silt; low plasticity.	11.5	
		MW8@15'		15	ML		**Clayey SILT**; (ML); GLEY, 5GY 5/1; stiff; hard; 10% Clay, 90% Silt; no plasticity.		Bentonite Seal
							Slighlty more Clay; stiff; dry; 20% Clay, 80% Silt; slight staining. ▼		
		MW8@20'		20			GLEY, 5GY 5/1, stained; stiff; dry; 25% Clay, 75% Silt; hydrocarbon odor.	20.8 ▽	Monterey Sand #2/12
					GM		**Silty GRAVEL with Sand and some Clay**; (GM); GLEY, 5GY 5/1, stained; soft; moist to wet; 5% Clay, 20% Silt, 15% Sand, 60% Gravel; no plasticity; strong hydrocarbon odor.		2"-diameter, 0.010" Slotted Schedule 40 PVC
		MW8@25'		25			No Clay; loose; wet to saturated; 15% Silt, 15% Sand, 70% Gravel; no plasticity; strong hydrocarbon odor.	26.0	
					CL		**Silty CLAY**; (CL); 5Y 3/2, olive grey; very hard; dry; 75% Clay, 25% Silt; low plasticity; slight hydrocarbon odor.	27.5	Bottom of Boring @ 27.5 ft

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-10
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	23-Jun-03
LOCATION	San Leandro, California	**DRILLING COMPLETED**	23-Jun-03
PROJECT NUMBER	245-0612-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	40.88
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	25.0 ft (23-Jun-03)
REVIEWED BY	M. Derby, PE# 55475	**DEPTH TO WATER (Static)**	13.3 ft
REMARKS	Hand augered to 5' bgs.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
				0	CL	**Asphalt** **Silty CLAY** (CL); black; stiff; dry; 80% clay, 20% silt; low plasticity.	0.5
				5	ML	**Clayey SILT** (ML); black; soft; dry; % clay, % silt; low plasticity.	5.0
1			SB-10 -10	10	CL	**CLAY** (CL); black; stiff; dry; 100% clay; low plasticity.	10.5
0			SB-10 -15.5	15			
				20	CL	**Silty CLAY with Gravel** (CL); light olive brown; very stiff; dry; 65% clay, 10% silt, 5% sand, 15% gravel; low plasticity.	19.0
0			SB-10 -20.5				21.5
1			SB-10 -22		GP GC	**Clayey GRAVEL** (GP-GC); olive brown; medium dense; damp; 30% clay, 10% sand, 60% gravel; no plasticity.	23.5
					SC	**Clayey SAND with Gravel** (SC); olive brown; medium dense; damp; 20% clay, 70% sand, 10% gravel; no plasticity.	25.0
1			SB-10 -25	25	SW	**SAND** (SW); olive brown; medium dense; wet; % clay, % sand, % gravel; no plasticity.	28.0
						Silty CLAY with Gravel (CL); olive brown; very stiff; dry; 60% clay, 30% silt, 10% gravel; low plasticity.	
1			SB-10 -30	30	CL		
				35			

WELL DIAGRAM: Portland Type I/II Cement

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1784 150TH\GINT\SNL1784.GPJ DEFAULT.GDT 8/25/03

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-10
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	23-Jun-03
LOCATION	San Leandro, California	**DRILLING COMPLETED**	23-Jun-03

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PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
1			SB-10 -35						36.0	
0			SB-10 -37			GW		**GRAVEL** (GW); olive brown; loose; wet; 5% sand, 95% gravel; no plasticity.	38.0	
0			SB-10 -39.5		40	ML		**Sandy SILT with Clay** (ML); dark olive brown; soft; moist; 5% clay, 75% silt, 20% sand; medium plasticity.	40.0	Bottom of Boring @ 40 ft

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-11
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	24-Jun-03
LOCATION	San Leandro, California	DRILLING COMPLETED	24-Jun-03
PROJECT NUMBER	245-0612-007	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	45.38
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	S. Dalie	DEPTH TO WATER (First Encountered)	28.0 ft (24-Jun-03)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	19.9 ft
REMARKS	Hand augered to 5' bgs.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								Asphalt	0.8	
								Baserock gravel	1.0	
								CLAY (CL); black; stiff; dry; 95% clay, 5% silt; high plasticity.		
					5					
						CL		@ 8 fbg - Silty CLAY; light gray; medium stiff; dry; 80% clay, 20% silt.		
0			SB-11 -10		10					
								@ 13 fbg - olive gray; stiff; dry; 75% clay, 15% silt, 10% gravel.		
0			SB-11 -15		15					Portland Type I/II Cement
								Clayey SILT with gravel (ML); olive gray with some greenish gray mottling; stiff; dry; 20% clay, 60% silt, 20% gravel; low plasticity.	17.0	
0			SB-11 -20		20	ML				
									23.0	
						GP GC		Clayey GRAVEL (GP-GC); olive gray; loose; dry; 20% clay, 80% gravel; no plasticity.		
2			SB-11 -24		25				25.0	
24			SB-11 -25			SM		Silty SAND with Gravel (SM); greenish gray; loose; damp; 10% clay, 80% sand, 10% gravel; no plasticity.		
									28.0	
105			SB-11 -28			SW		@ 27.9 fbg - wet. SAND (SW); greenish gray; loose; wet; 100% sand; no plasticity.	30.0	
385			SB-11 -30		30	GC		Clayey GRAVEL (GC); greenish gray; medium dense; wet; 20% clay, 80% gravel; no plasticity.	32.0	Bottom of Boring @ 32 ft

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-12
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	24-Jun-03
LOCATION	San Leandro, California	**DRILLING COMPLETED**	24-Jun-03
PROJECT NUMBER	245-0612-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	41.28
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	25.0 ft (24-Jun-03)
REVIEWED BY	M. Derby, PE# 55475	**DEPTH TO WATER (Static)**	10.8 ft
REMARKS	Hand augered to 5' bgs.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								Asphalt	0.5	
					5	ML		**Clayey SILT** (ML); black; medium stiff; dry; 45% clay, 55% silt; low plasticity.	6.5	
1			SB-12 -10		10	CL		**CLAY** (CL); dark olive brown; very stiff; dry; 95% clay, 5% gravel; high plasticity. ▼ @ 11 fbg - light olive gray; 75% clay, 25% silt.		
1			SB-12 -15		15	GP GC		**Clayey GRAVEL** (GP-GC); light olive gray; medium dense; damp; 20% clay, 10% silt, 15% sand, 50% gravel; no plasticity.	16.0	
0			SB-12 -20		20	ML		**Clayey SILT with sand** (ML); light olive gray; medium dense; damp; 30% clay, 60% silt, 10% sand; low plasticity.	21.0 23.0	Portland Type I/II Cement
						CL		**Silty CLAY with Sand** (CL); light olive brown; medium stiff; damp to moist; 60% clay, 30% silt, 10% sand; low plasticity. ▽	25.0	
0			SB-12 -25		25	SC		**Clayey SAND** (SC); light olive gray; loose; wet; 40% clay, 60% sand, 10% gravel; no plasticity.	27.0	
0			SB-12 -30		30	GW		**GRAVEL with sand** (GW); light olive gray; loose; wet; 30% sand, 70% gravel; no plasticity.		
					35					

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1784 150TH\GINTS\SL1784.GPJ DEFAULT.GDT 8/25/03

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-12
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	24-Jun-03
LOCATION	San Leandro, California	**DRILLING COMPLETED**	24-Jun-03

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PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0			SB-12 -35							
									38.0	
						SW		**SAND** (SW); light olive gray; loose; wet; 100% sand; no plasticity.		
0			SB-12 -39.5		40				40.0	Bottom of Boring @ 40 ft

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-13
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	25-Jun-03
LOCATION	San Leandro, California	DRILLING COMPLETED	25-Jun-03
PROJECT NUMBER	245-0612-007	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	41.18
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	S. Dalie	DEPTH TO WATER (First Encountered)	24.0 ft (25-Jun-03)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5' bgs.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								Asphalt	0.5	
						CL		Silty CLAY (CL); black; very stiff; dry; 90% clay, 10% silt; high plasticity.		
					5					
								@ 6.5 fbg - 70% clay, 30% silt.		
1			SB-13 -10		10					
						ML		Clayey SILT with gravel (ML); olive gray; very stiff; dry; 20% clay, 70% silt, 10 % sand; medium plasticity.	13.5	
1			SB-13 -15		15				16.5	
						CL		Silty CLAY (CL); light olive gray; very stiff; dry; 80% clay, 20% silt; high plasticity.		
1			SB-13 -20		20					Portland Type I/II Cement
						GP GC		Clayey GRAVEL (GP-GC); olive gray; dense; damp; 30% clay, 70% gravel; no plasticity.	22.0	
								▽	24.0	
1			SB-13 -24		25	SW		SAND (SW); olive brown; dense; wet; 20% sand, 80% gravel; no plasticity.	25.0	
1			SB-13 -25			SC		Clayey SAND (SC); olive gray; dense; wet; 40% clay, 60% sand, medium plasticity.	26.0	
						ML		Clayey SILT with gravel; (ML); olive gray; dense; wet; 20% clay, 75% silt, 5% gravel; medium plasticity.		
0			SB-13 -30		30				30.0	
						GP GC		Clayey GRAVEL with sand (GP-GC); dark olive gray; loose; wet; 15% clay, 20% sand, 65% gravel; no plasticity. @ 31 fbg - very dense; 25% clay, 20% sand, 55% gravel.		
					35			@ 34 fbg - medium dense; 25% clay, 10% sand, 65%		

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1784 150TH\GINT\SNL1784.GPJ DEFAULT.GDT 6/25/03

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-13
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	25-Jun-03
LOCATION	San Leandro, California	**DRILLING COMPLETED**	25-Jun-03

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0			SB-13 -35					gravel.	37.0	
						CL		**Silty CLAY with gravel** (CL); dark olive gray; very stiff; damp to dry; 80% clay, 15% silt, 5% gravel; high plasticity.		
1			SB-13 -39.5		40				40.0	Bottom of Boring @ 40 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1784 150TH\GINT\SNL1784.GPJ DEFAULT.GDT 9/25/03

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-14
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	24-Jun-03
LOCATION	San Leandro, California	**DRILLING COMPLETED**	24-Jun-03
PROJECT NUMBER	245-0612-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	40.98
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	24.0 ft (24-Jun-03)
REVIEWED BY	M. Derby, PE# 55475	**DEPTH TO WATER (Static)**	7.9 ft
REMARKS	Hand augered to 5' bgs.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								Asphalt	0.5	
					5	CL		**Silty CLAY** (CL); black; medium stiff; dry; 65% clay, 35% silt; high plasticity.		
0			SB-14 -10		10					
									13.0	
0			SB-14 -15		15	ML		**Gravelly SILT** (ML); light olive brown; stiff; dry; 75% silt, 25% gravel; medium plasticity. @ 17 fbg - 90% silt, 10% gravel.		
1			SB-14 -20		20	GP GC		**Clayey GRAVEL with sand** (GP-GC); light olive gray; dense; damp; 30% clay, 10% sand, 60% gravel; no plasticity.	20.0	Portland Type I/II Cement
						SC		**Clayey SAND** (SW); light olive gray; medium dense; wet; 30% clay, 70% sand; no plasticity.	22.0	
0			SB-14 -24		25	GW		**GRAVEL** (GW); light olive; very dense; wet; 20% sand, 80% gravel; no plasticity.	24.0	
0			SB-14 -25			ML		**Gravelly SILT with sand** (ML); light olive gray; medium dense; wet; 75% silt, 25% gravel; no plasticity.	26.0	
1			SB-14 -30		30	GW		**GRAVEL with sand** (GW); light olive gray; loose; wet; 25% sand, 75% gravel; no plasticity.	30.0	
					35			**Clayey GRAVEL** (GC); light olive gray; very stiff; wet;	34.0	

Continued Next Page

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-14
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	24-Jun-03
LOCATION	San Leandro, California	**DRILLING COMPLETED**	24-Jun-03

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
1			SB-14 -35			GC		50% clay, 50% gravel; medium plasticity.	36.5	
						GW		**GRAVEL with sand** (GW); light olive gray; loose; wet; 20% sand, 80% gravel; no plasticity.		
0			SB-14 -39.5		40				40.0	Bottom of Boring @ 40 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1784 150TH\GINT\SNL1784.GPJ DEFAULT.GDT 8/25/03

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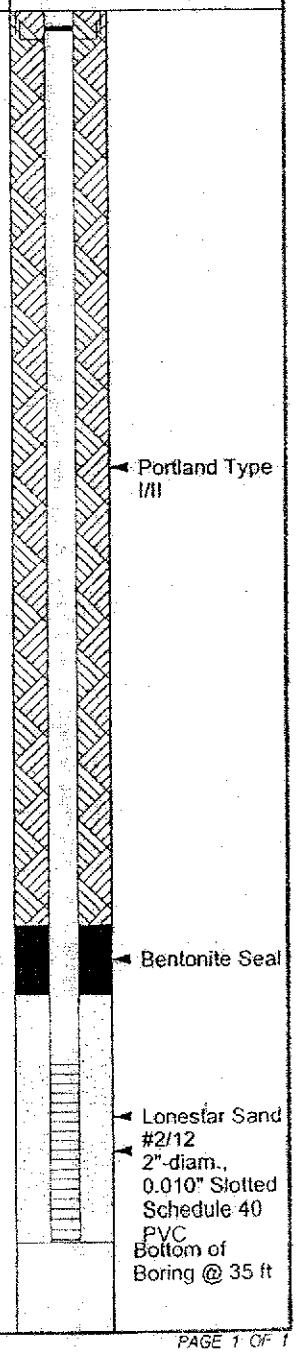
BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	MW-9
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	19-Nov-03
LOCATION	San Leandro, California	DRILLING COMPLETED	19-Nov-03
PROJECT NUMBER	245-0612-010	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	41.84
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	41.65 ft
BORING DIAMETER	8"	SCREENED INTERVAL	30 to 35 ft bgs
LOGGED BY	S. Dalie	DEPTH TO WATER (First Encountered)	20.0 ft (19-Nov-03)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	14.8 ft (20-Nov-03)
REMARKS	Hand augered to 5 fbg, located in Portofino Circle.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
				0		**Asphalt.**	0.6
					CL	**CLAY**; (CL); Black; very stiff; dry; 85% clay, 15% silt; low plasticity. CLAY with some small sub angular gravel.	
0.1			MW-9 5'	5			
				10			
0			MW-9 10'			Brownish gray; very stiff to hard; dry; 90% clay, 5% silt; no plasticity.	
				15			15.0
0.1			MW-9 15'		OL	**Silty CLAY**; (OL); Brownish gray; very stiff to hard; dry; 70% clay, 30% silt.	17.5
					SC	**Clayey SAND**; (SC); Brownish gray; medium dense; damp; 45% clay, 55% sand; low plasticity.	20.0
3			MW-9 20'	20	GC	**Clayey GRAVEL**; (GC); Brownish gray; medium dense; moist to wet; 25% clay, 5% sand, 70% Gravel.	22.5
					CL	**CLAY**; (CL); Light brown; very stiff to hard; damp; 95% clay, 5% small gravel.	
1.8			MW-9 25'	25			
							27.5
					GC	**Clayey GRAVEL**; (GC); Light brown; very dense; saturated; 45% clay, 55% gravel.	
0			MW-9 30'	30			32.5
					GW	**Well Graded GRAVEL**; (GW); Light brown; loose; saturated; 25% coarse sand, 75% gravel.	
0.1			MW-9 34.5'	35			35.0

WELL DIAGRAM



WELL LOG (PID/TPHG) G:\SAN LEANDRO 1784 150TH\GINT\SNL1784.GPJ DEFAULT.GDT 1/9/04

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-10
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	20-Nov-03
LOCATION	San Leandro, California	**DRILLING COMPLETED**	20-Nov-03
PROJECT NUMBER	245-0612-010	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	50.98
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	50.64 ft
BORING DIAMETER	10"	**SCREENED INTERVAL**	28 to 32 ft bgs
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	23.5 ft (20-Nov-03)
REVIEWED BY	M. Derby, PE# 55475	**DEPTH TO WATER (Static)**	20.0 ft (20-Nov-03)
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								Asphalt.	0.6	
						GW		Well Graded GRAVEL; (GW); Brown; loose; dry; 20% coarse sand, 80% angular gravel.	3.0	
								CLAY; (CL); Black; very stiff; dry; 100% clay, no fines.		
0			MW-10 -5'		5					
0.1			MW-10 -10'		10	CL				Portland Type I/II
3.5			MW-10 -15'		15			Silty CLAY; gray; very stiff; dry; 30% silt, 70% clay.	17.5	
8			MW-10 -20'		20	ML		Clayey SILT; (ML); Light olive gray; very dense; dry; 30% clay, 70% silt.	22.5	
						GC		Clayey GRAVEL; (GC); Light olive gray; medium dense; moist to wet 30: clay, 70% gravel.	25.0	Bentonite Seal
24			MW-10 -25'		25	GM		Silty GRAVEL; (GM); Light olive gray; medium dense; wet; 10% clay, 25% silt, 10% sand, 55% gravel.	27.5	
								Clayey SILT; (ML);Grayish brown; medium dense; wet; 20% clay, 80% silt.		Lonestar Sand #2/12
111			MW-10 -30'		30	ML				4"-diam., 0.010" Slotted Schedule 40 PVC
104			MW-10 -31.5'						32.0	Bottom of Boring @ 32 ft

WELL LOG (PID/TPH(G)) G:\SAN LEANDRO 1784 150TH\GINT\SNL1784.GPJ DEFAULT.GDT 1/2/04

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-11
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	20-Nov-03
LOCATION	San Leandro, California	**DRILLING COMPLETED**	20-Nov-03
PROJECT NUMBER	245-0612-010	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	45.94
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	45.58 ft
BORING DIAMETER	10"	**SCREENED INTERVAL**	15 to 25 ft bgs
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	23.5 ft (20-Nov-03) ▽
REVIEWED BY	M. Derby, PE# 55475	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
								Asphalt.	0.8
						GW		**Well Graded GRAVEL with sand**; (GW); Brown; loose; dry; 30% sand, 70% gravel.	3.0
						GC		**Clayey GRAVEL**; (GC); gray to black; stiff; dry; 40% clay, 60% gravel.	4.0
2.0			MW-11 -5'		5	CL		**Silty CLAY**; (CL); Black; very stiff to hard; dry; 65% clay, 35% silt.	
2.8			MW-11 -10'		10				12.5
18			MW-11 -15'		15	ML		**Clayey SILT**; (ML); Olive gray; dense; dry; 45% clay, 55% silt.	
51			MW-11 -20'		20				22.5
11			MW-11 -25'		25	GC		**Clayey GRAVEL**; (GC); Olive gray; medium dense; wet; 25% clay, 5% sand, 70% gravel. ▽	25.0

WELL DIAGRAM

- Portland Type I/II
- Bentonite Seal
- Lonestar Sand #2/12
- 4"-diam., 0.010" Slotted Schedule 40 PVC
- Bottom of Boring @ 25 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1784 150TH\GINT\SNL1784.GPJ DEFAULT.GDT 1/2/04

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-17
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	13-Sep-04
LOCATION	San Leandro, California	**DRILLING COMPLETED**	13-Sep-04
PROJECT NUMBER	246-0612-008	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	34.0 ft (13-Sep-04) ▽
REVIEWED BY	M. Derby, PE# 55475	**DEPTH TO WATER (Static)**	28.50 ft (13-Sep-04) ▼
REMARKS	Hand augered to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							Asphalt	0.6	
					GM		**Silty GRAVEL with clay**; (GM); Black; very stiff; dry; 15% clay, 25% silt, 60% gravel; no plasticity.	2.5	
		SB-17-5'		5	CL		**Silty CLAY**; (CL); Black; very stiff; dry; 85% clay, 15% silt; low to medium plasticity.		
		SB-17-10		10					
					ML		**Sandy SILT**; (ML); Olive brown; dense; dry; 5% clay, 70% silt, 25% sand; no plasticity.	13.5	
		SB-17-15		15	SM		**Silty SAND**; (SM); Olive brown; very dense; dry; 25% silt, 60% sand; 15% gravel; no plasticity.	15.5	
		SB-17-20		20	CL		**Silty CLAY with gravel**; (CL); Dark olive brown; very stiff; dry; 70% clay, 20% silt, 10% gravel; no plasticity.	18.0	Portland Type I/II Cement
		SB-17-25		25	ML		**Clayey SILT**; (ML); Brownish gray; very stiff; dry; 60% clay, 30% silt; 10% gravel; low platicity.	24.0	
				30			No recovery. ▼	28.0	
					GC		**Clayey Gravel with sand**; (GC); brownish gray; medium dense; wet; 25% clay, 15% sand, 70% gravel; no plasticity. ▽	32.0	
		SB-17-35.5		35				36.0	Bottom of Boring @ 36 ft

WELL LOG (SHELL) G:\SAN LEANDRO 1784 150TH\GINT\SNL1784.GPJ DEFAULT.GDT 10/13/04

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-18
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	13-Sep-04
LOCATION	San Leandro, California	**DRILLING COMPLETED**	13-Sep-04
PROJECT NUMBER	246-0612-008	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	32.0 ft (13-Sep-04) ▽
REVIEWED BY	M. Derby, PE# 55475	**DEPTH TO WATER (Static)**	27.60 ft (13-Sep-04) ▼
REMARKS	Hand augered to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							Asphalt	0.6	
					GM		**Silty GRAVEL**; (GM); Yellowish brown; medium dense; dry; 25% silt, 75% gravel.	3.0	
		SB-18-5'		5	CL		**Silty CLAY**; (CL); Black very stiff; dry; 85% clay, 15% silt; low plasticity.		
		SB-18-10		10					
		SB-18-15		15	SM		**Silty SAND**; (SM); Olive brown; very dense; dry; 25% silt, 60% sand; 15% gravel; no plasticity.	15.0	Portland Type I/II Cement
		SB-18-20		20					
					SW		**Well graded SAND**; (SW); Olive; medium dense; damp; 5% clay, 90% sand; no platicity.	22.7 24.0	
		SB-18-25		25			No Recovery.		
					CL		**Silty CLAY**; (CL); Olive brown; very stiff; dry; 60% clay, 40% silt; low platicity.	28.0 30.3	
		SB-18-30'		30			**Clayey Gravel with sand**; (GC); brownish gray; medium dense; wet; 35% clay, 15% sand, 50% gravel; no plasticity.	32.0	Bottom of Boring @ 32 ft

WELL LOG (SHELL) G:\SAN LEANDRO 1784 150TH\GINT\SNL1784.GPJ DEFAULT.GDT 10/13/04

ATTACHMENT B

Historical Groundwater Monitoring Data

WELL CONCENTRATIONS
Shell-branded Service Station
1784 150th Avenue
San Leandro, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-1	03/08/1990	510	120	1.5	0.8	<0.5	5.4	NA	NA	NA	NA	NA	NA	NA	NA	49.13	25.29	23.84	NA	NA
MW-1	06/12/1990	390	100	86	1.3	0.7	6.2	NA	NA	NA	NA	NA	NA	NA	NA	49.13	25.85	23.28	NA	NA
MW-1	09/13/1990	100	130	56	0.75	2.4	2.8	NA	NA	NA	NA	NA	NA	NA	NA	49.13	27.49	21.64	NA	NA
MW-1	12/18/1990	480	<50	54	1.7	3.3	3.7	NA	NA	NA	NA	NA	NA	NA	NA	49.13	27.41	21.72	NA	NA
MW-1	03/07/1991	80	<50	266	<0.5	1.2	<1.5	NA	NA	NA	NA	NA	NA	NA	NA	49.13	25.79	23.34	NA	NA
MW-1	06/07/1991	510	<50	130	3.8	6.1	11	NA	NA	NA	NA	NA	NA	NA	NA	49.13	25.64	23.49	NA	NA
MW-1	09/17/1991	330	120a	67	<0.5	3.0	2.2	NA	NA	NA	NA	NA	NA	NA	NA	49.13	27.54	21.59	NA	NA
MW-1	12/09/1991	140a	80	<0.5	<0.5	1.7	4.7	NA	NA	NA	NA	NA	NA	NA	NA	49.13	27.81	21.32	NA	NA
MW-1	02/13/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.13	25.57	23.56	NA	NA
MW-1	02/24/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.13	22.83	26.30	NA	NA
MW-1	02/27/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.13	23.09	26.04	NA	NA
MW-1	03/01/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	49.13	23.26	25.87	NA	NA
MW-1	06/03/1992	1,500	NA	520	180	72	230	NA	NA	NA	NA	NA	NA	NA	NA	49.13	24.64	24.49	NA	NA
MW-1	09/01/1992	130	NA	16	1.4	1.8	3.4	NA	NA	NA	NA	NA	NA	NA	NA	49.13	26.74	22.39	NA	NA
MW-1	10/06/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.13	27.18	21.95	NA	NA
MW-1	11/11/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.13	27.99	21.14	NA	NA
MW-1	12/04/1992	150	NA	360	0.7	1.8	2.1	NA	NA	NA	NA	NA	NA	NA	NA	49.13	27.14	21.99	NA	NA
MW-1	01/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.13	20.09	29.04	NA	NA
MW-1	02/10/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.13	24.26	24.87	NA	NA
MW-1	03/03/1993	<50	NA	1.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	49.13	20.50	28.63	NA	NA
MW-1	05/11/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.13	21.70	27.43	NA	NA
MW-1	06/17/1993	1,600	NA	340	120	120	440	NA	NA	NA	NA	NA	NA	NA	NA	49.13	22.42	26.71	NA	NA
MW-1	09/10/1993	2,600	NA	670	340	310	730	NA	NA	NA	NA	NA	NA	NA	NA	49.13	24.11	25.02	NA	NA
MW-1	12/13/1993	11,000	NA	470	320	380	2,300	NA	NA	NA	NA	NA	NA	NA	NA	49.13	23.73	25.40	NA	NA
MW-1	03/03/1994	16,000	NA	700	690	480	3,200	NA	NA	NA	NA	NA	NA	NA	NA	49.13	22.08	27.05	NA	NA
MW-1	06/06/1994	7,500	NA	420	280	200	1,000	NA	NA	NA	NA	NA	NA	NA	NA	49.13	23.10	26.03	NA	NA
MW-1	09/12/1994	1,200	NA	110	21	3.3	420	NA	NA	NA	NA	NA	NA	NA	NA	49.13	25.19	23.94	NA	NA
MW-1	12/19/1994	4,600	NA	470	330	230	1,300	NA	NA	NA	NA	NA	NA	NA	NA	49.13	23.06	26.07	NA	NA
MW-1	02/28/1995	500	NA	59	32	6.8	68	NA	NA	NA	NA	NA	NA	NA	NA	49.13	20.90	28.23	NA	NA
MW-1	03/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.13	18.28	30.85	NA	NA
MW-1	06/26/1995	5,500	NA	740	420	300	1,800	NA	NA	NA	NA	NA	NA	NA	NA	49.13	20.40	28.73	NA	NA
MW-1	09/13/1995	84,000	NA	1,900	2,600	3,000	14,000	NA	NA	NA	NA	NA	NA	NA	NA	49.13	22.62	26.51	NA	NA
MW-1	12/19/1995	80,000	NA	660	350	170	18,000	NA	NA	NA	NA	NA	NA	NA	NA	49.13	22.10	27.03	NA	NA
MW-1	03/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.13	18.83	30.34	0.05	NA

WELL CONCENTRATIONS
Shell-branded Service Station
1784 150th Avenue
San Leandro, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-1	06/28/1996	270,000	NA	2,800	820	1,000	16,000	<0.5	NA	NA	NA	NA	NA	NA	NA	49.13	21.46	27.67	NA	NA
MW-1 (D)	06/28/1996	790,000	NA	2,200	780	1,000	13,000	15,000	NA	NA	NA	NA	NA	NA	NA	49.13	21.46	27.67	NA	NA
MW-1	09/26/1996	29,000	NA	1,100	260	270	1,900	<1,000	NA	NA	NA	NA	NA	NA	NA	49.13	23.57	25.57	0.01	NA
MW-1	09/26/1996	25,000	NA	1,200	320	240	1,900	<1,000	NA	NA	NA	NA	NA	NA	NA	49.13	NA	NA	NA	NA
MW-1	12/10/1996	13,000	NA	510	240	230	1,200	100	NA	NA	NA	NA	NA	NA	NA	49.13	21.43	27.70	NA	1.0
MW-1 (D)	12/10/1996	8,400	NA	420	130	140	680	81	NA	NA	NA	NA	NA	NA	NA	49.13	21.43	27.70	NA	1.0
MW-1	03/10/1997	4,200	NA	13	8.8	16	74	<12	NA	NA	NA	NA	NA	NA	NA	49.13	20.08	29.05	NA	2.0
MW-1 (D)	03/10/1997	5,100	NA	12	8.9	17	79	<25	NA	NA	NA	NA	NA	NA	NA	49.13	20.08	29.05	NA	2.0
MW-1	06/30/1997	5,700	NA	320	120	140	700	47	NA	NA	NA	NA	NA	NA	NA	49.13	21.68	27.45	NA	1.6
MW-1 (D)	06/30/1997	5,300	NA	300	95	120	580	45	NA	NA	NA	NA	NA	NA	NA	49.13	21.68	27.45	NA	1.6
MW-1	09/12/1997	6,300	NA	120	26	82	260	30	NA	NA	NA	NA	NA	NA	NA	49.13	21.78	27.35	NA	2.1
MW-1 b	12/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.13	20.78	28.35	NA	1.3
MW-1	02/02/1998	84	NA	5.1	<0.50	<0.50	2.1	2.5	NA	NA	NA	NA	NA	NA	NA	49.13	19.65	29.48	NA	2.0
MW-1	06/24/1998	13,000	NA	3,000	260	410	1,400	<250	NA	NA	NA	NA	NA	NA	NA	49.13	19.65	29.48	NA	2.5
MW-1 (D)	06/24/1998	12,000	NA	3,800	250	47	1,400	710	NA	NA	NA	NA	NA	NA	NA	49.13	19.65	29.48	NA	2.5
MW-1	08/26/1998	3,100	NA	1,200	27	170	50	88	NA	NA	NA	NA	NA	NA	NA	49.13	20.49	28.64	NA	2.1
MW-1	12/23/1998	45,000	NA	5,300	220	1,000	3,600	970	NA	NA	NA	NA	NA	NA	NA	49.13	21.22	27.91	NA	3.8
MW-1	03/01/1999	22,300	NA	2,540	436	753	3,370	<400	NA	NA	NA	NA	NA	NA	NA	49.13	19.27	29.86	NA	1.8
MW-1	06/14/1999	18,800	NA	6,820	210	436	958	1,360	NA	NA	NA	NA	NA	NA	NA	49.13	20.80	28.33	NA	2.2
MW-1	09/28/1999	21,500	NA	7,470	281	467	927	1,800	NA	NA	NA	NA	NA	NA	NA	49.13	22.55	26.58	NA	2.0
MW-1	12/08/1999	22,300	NA	6,140	135	256	367	232	NA	NA	NA	NA	NA	NA	NA	49.13	23.12	26.01	NA	2.1
MW-1	03/14/2000	6,690	NA	1,880	63.5	134	307	460	NA	NA	NA	NA	NA	NA	NA	49.13	18.87	30.26	NA	2.3
MW-1	06/28/2000	8,080	NA	2,690	85.1	149	514	701	NA	NA	NA	NA	NA	NA	NA	49.13	21.12	28.01	NA	2.4
MW-1	09/06/2000	17,800	NA	7,390	212	329	1,270	<1,000	NA	NA	NA	NA	NA	NA	NA	49.13	21.90	27.23	NA	3.0
MW-1	12/14/2000	8,900	NA	4,870	79.2	106	370	1,840	673*	NA	NA	NA	NA	NA	NA	49.13	22.60	26.53	NA	2.0
MW-1	03/05/2001	7,520	NA	2,120	66.0	107	129	668	NA	NA	NA	NA	NA	NA	NA	49.13	20.06	29.07	NA	0.4
MW-1	06/11/2001	30,000	NA	7,400	390	600	2,300	NA	170	NA	NA	NA	NA	NA	NA	49.13	22.39	26.74	NA	1.6
MW-1	09/12/2001	23,000	NA	7,500	120	280	910	NA	320	NA	NA	NA	NA	NA	NA	49.13	23.37	25.76	NA	2.2
MW-1	12/27/2001	16,000	NA	2,400	190	330	1,500	NA	350	NA	NA	NA	NA	NA	NA	49.13	20.97	28.16	NA	1.3
MW-1	02/27/2002	26,000	NA	6,100	330	510	2,000	NA	210	NA	NA	NA	NA	NA	NA	49.10	20.47	28.63	NA	1.3
MW-1	06/18/2002	29,000	NA	8,100	280	510	1,800	NA	140	NA	NA	NA	NA	NA	NA	49.10	21.99	27.11	NA	2.2
MW-1	09/18/2002	34,000	NA	5,900	350	700	3,000	NA	<250	NA	NA	NA	NA	NA	NA	49.10	23.21	25.89	NA	0.8
MW-1	12/27/2002	7,500	NA	1,200	30	120	410	NA	230	<5.0	<5.0	<5.0	310	31	<5.0	49.10	20.10	29.00	NA	0.6
MW-1	03/05/2003	17,000	NA	1,600	88	400	1,400	NA	230	NA	NA	<10	290	<10	NA	49.10	21.05	28.05	NA	1.7
MW-1	06/24/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.10	NA	NA	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
1784 150th Avenue
San Leandro, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-1	06/25/2003	14,000	NA	5,300	250	440	2,100	NA	100	NA	NA	<200	<500	<50	NA	49.10	21.93	27.17	NA	0.9
MW-1	09/25/2003	33,000	NA	7,700	250	860	3,400	NA	130	NA	NA	<200	<500	<50	NA	49.10	23.21	25.89	NA	1.7
MW-1	12/15/2003	63,000	NA	14,000	360	1,300	3,900	NA	150	NA	NA	<400	<1000	<100	NA	49.10	22.08	27.02	NA	1.5
MW-1	03/04/2004	28,000	NA	8,000	180	640	2,100	NA	79	NA	NA	<200	<500	<50	NA	49.10	19.85	29.25	NA	0.2
MW-1	**05/27/2004**	**33,000**	**NA**	**8,700**	**260**	**840**	**2,700**	**NA**	**81**	**NA**	**NA**	**<200**	**<500**	**<50**	**NA**	**49.10**	**22.15**	**26.95**	**NA**	**0.2**
MW-2	02/13/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45.83	22.22	23.61	NA	NA
MW-2	02/24/1992	17,000	2,700a	6,200	1,600	550	1,900	NA	NA	NA	NA	NA	NA	NA	NA	45.83	19.61	26.22	NA	NA
MW-2	02/27/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45.83	19.92	25.91	NA	NA
MW-2	03/01/1992	86,000	1,000a	30,000	34,000	2,300	16,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	21.11	24.72	NA	NA
MW-2	06/03/1992	87,000	NA	28,000	18,000	2,000	10,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	21.58	24.25	NA	NA
MW-2	09/01/1992	110,000	NA	21,000	13,000	1,900	7,800	NA	NA	NA	NA	NA	NA	NA	NA	45.83	23.46	22.37	NA	NA
MW-2	10/06/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45.83	23.99	21.84	NA	NA
MW-2	11/11/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45.83	24.25	21.58	NA	NA
MW-2	12/04/1992	42,000	NA	15,000	2,400	960	2,900	NA	NA	NA	NA	NA	NA	NA	NA	45.83	23.89	21.94	NA	NA
MW-2	01/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45.83	17.03	28.80	NA	NA
MW-2	02/10/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45.83	18.08	27.75	NA	NA
MW-2	03/03/1993	160,000	NA	36,000	3,800	32,000	21,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	17.28	28.55	NA	NA
MW-2 (D)	03/03/1993	150,000	NA	31,000	3,100	20,000	14,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	17.28	28.55	NA	NA
MW-2	05/11/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45.83	18.41	27.42	NA	NA
MW-2	06/17/1993	65,000	NA	34,000	15,000	3,200	11,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	19.06	26.77	NA	NA
MW-2 (D)	06/17/1993	62,000	NA	28,000	14,000	2,700	10,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	19.06	26.77	NA	NA
MW-2	09/10/1993	72,000	NA	24,000	16,000	2,300	11,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	20.88	24.95	NA	NA
MW-2 (D)	09/10/1993	71,000	NA	23,000	15,000	2,300	10,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	20.88	24.95	NA	NA
MW-2	12/13/1993	19,000	NA	5,400	4,900	680	3,100	NA	NA	NA	NA	NA	NA	NA	NA	45.83	20.42	25.41	NA	NA
MW-2 (D)	12/13/1993	17,000	NA	6,200	5,500	720	3,500	NA	NA	NA	NA	NA	NA	NA	NA	45.83	20.42	25.41	NA	NA
MW-2	03/03/1994	110,000	NA	21,000	24,000	2,000	13,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	18.48	27.35	NA	NA
MW-2 (D)	03/03/1994	93,000	NA	19,000	22,000	1,800	12,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	18.48	27.35	NA	NA
MW-2	06/06/1994	10,000	NA	1,900	3,300	2,500	13,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	20.26	25.57	NA	NA
MW-2 (D)	06/06/1994	99,000	NA	9,900	12,000	2,400	12,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	20.26	25.57	NA	NA
MW-2	09/12/1994	160,000	NA	22,000	33,000	3,400	23,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	21.80	24.03	NA	NA
MW-2 (D)	09/12/1994	150,000	NA	23,000	34,000	3,500	23,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	21.80	24.03	NA	NA
MW-2	12/19/1994	80,000	NA	17,000	16,000	2,300	14,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	19.66	26.17	NA	NA
MW-2 (D)	12/19/1994	100,000	NA	28,000	26,000	3,400	20,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	19.66	26.17	NA	NA
MW-2	02/28/1995	100,000	NA	24,000	18,000	2,300	17,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	17.51	28.32	NA	NA

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-2 (D)	02/28/1995	100,000	NA	31,000	21,000	3,200	18,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	17.51	28.32	NA	NA
MW-2	03/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45.83	14.88	30.95	NA	NA
MW-2	06/26/1995	45,000	NA	14,000	12,000	1,500	7,500	NA	NA	NA	NA	NA	NA	NA	NA	45.83	17.58	28.25	NA	NA
MW-2 (D)	06/26/1995	68,000	NA	13,000	11,000	1,800	7,700	NA	NA	NA	NA	NA	NA	NA	NA	45.83	17.58	28.25	NA	NA
MW-2	09/13/1995	110,000	NA	19,000	19,000	2,800	15,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	19.28	26.55	NA	NA
MW-2 (D)	09/13/1995	120,000	NA	20,000	20,000	2,900	15,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	19.28	26.55	NA	NA
MW-2	12/19/1995	180,000	NA	18,000	29,000	4,100	24,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	18.61	27.22	NA	NA
MW-2 (D)	12/19/1995	160,000	NA	18,000	28,000	3,800	24,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	18.61	27.22	NA	NA
MW-2	03/06/1996	120,000	NA	28,000	15,000	3,900	17,000	NA	NA	NA	NA	NA	NA	NA	NA	45.83	15.41	30.42	NA	NA
MW-2	06/28/1996	96,000	NA	20,000	20,000	4,100	22,000	2,400	NA	NA	NA	NA	NA	NA	NA	45.83	17.84	27.99	NA	NA
MW-2	09/26/1996	87,000	NA	7,600	11,000	2,500	15,000	990	840	NA	NA	NA	NA	NA	NA	45.83	19.60	26.23	NA	NA
MW-2	12/10/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45.83	18.15	27.88	0.25	NA
MW-2	03/10/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45.83	17.02	28.97	0.20	NA
MW-2	06/30/1997	57,000	NA	3,600	4,600	1,300	9,700	2,300	NA	NA	NA	NA	NA	NA	NA	45.83	19.42	26.41	NA	2.4
MW-2	09/12/1997	88,000	NA	7,800	8,800	2,600	16,000	3,200	NA	NA	NA	NA	NA	NA	NA	45.83	19.40	26.43	NA	1.7
MW-2 (D)	09/12/1997	90,000	NA	8,300	9,400	2,700	17,000	3,400	NA	NA	NA	NA	NA	NA	NA	45.83	19.40	26.43	NA	1.7
MW-2 b	12/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45.83	17.56	28.27	NA	1.3
MW-2	02/02/1998	<50	NA	0.6	1.9	0.93	6.0	9.3	NA	NA	NA	NA	NA	NA	NA	45.83	18.14	27.69	NA	2
MW-2 (D)	02/02/1998	56	NA	1.0	2.8	1.4	9.3	13	NA	NA	NA	NA	NA	NA	NA	45.83	18.14	27.69	NA	2
MW-2	06/24/1998	20,000	NA	<200	620	560	4,500	<1,000	NA	NA	NA	NA	NA	NA	NA	45.83	16.08	29.75	NA	2.4
MW-2	08/26/1998	22,000	NA	380	1,100	560	4,400	330	NA	NA	NA	NA	NA	NA	NA	45.83	19.25	26.58	NA	NA
MW-2 (D)	08/26/1998	11,000	NA	180	130	290	500	1,400	NA	NA	NA	NA	NA	NA	NA	45.83	19.25	26.58	NA	NA
MW-2	12/23/1998	100,000	NA	4,100	6,500	2,400	16,000	<500	NA	NA	NA	NA	NA	NA	NA	45.83	18.29	27.54	NA	3.8
MW-2	03/01/1999	50,800	NA	3,910	7,480	1,890	13,100	9,620	NA	NA	NA	NA	NA	NA	NA	45.83	22.81	23.02	NA	2.0
MW-2	06/14/1999	4,930	NA	128	270	139	1,040	2,200	2,540*	NA	NA	NA	NA	NA	NA	45.83	18.86	26.97	NA	1.6
MW-2	09/28/1999	16,200	NA	647	1,070	542	4,130	5,320	4,790	NA	NA	NA	NA	NA	NA	45.83	21.41	24.42	NA	1.8
MW-2	12/08/1999	25,700	NA	1,670	2,110	977	6,600	6,190	5,970	NA	NA	NA	NA	NA	NA	45.83	21.89	23.94	NA	1.8
MW-2	03/14/2000	45,100	NA	2,070	4,710	1,920	12,800	16,700	18,300*	NA	NA	NA	NA	NA	NA	45.83	15.57	30.26	NA	2.0
MW-2	06/28/2000	52,100	NA	5,150	4,200	1,880	13,300	15,500	13,500*	NA	NA	NA	NA	NA	NA	45.83	17.79	28.04	NA	1.9
MW-2	09/06/2000	39,500	NA	4,490	3,290	2,100	14,000	18,500	9,060*	NA	NA	NA	NA	NA	NA	45.83	18.65	27.18	NA	3.5
MW-2	12/14/2000	209	NA	3.51	1.11	1.00	64.4	79.4	NA	NA	NA	NA	NA	NA	NA	45.83	19.00	26.83	NA	1.5
MW-2	03/05/2001	38,200	NA	2,010	927	1,250	8,300	13,100	15,400	NA	NA	NA	NA	NA	NA	45.83	16.66	29.17	NA	1.0
MW-2	06/11/2001	50,000	NA	4,400	2,200	1,800	11,000	NA	26,000	NA	NA	NA	NA	NA	NA	45.83	18.93	26.90	NA	1.7
MW-2	09/12/2001	59,000	NA	6,100	2,800	2,300	14,000	NA	21,000	NA	NA	NA	NA	NA	NA	45.83	19.85	25.98	NA	1.6
MW-2	12/27/2001	74,000	NA	8,600	2,500	2,500	17,000	NA	25,000	NA	NA	NA	NA	NA	NA	45.83	17.85	27.98	NA	2.6

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MW-2	02/27/2002	70,000	NA	8,100	2,600	2,100	13,000	NA	32,000	NA	NA	NA	NA	NA	NA	45.79	17.15	28.64	NA	2.0
MW-2	06/18/2002	72,000	NA	9,500	3,000	2,200	13,000	NA	29,000	NA	NA	NA	NA	NA	NA	45.79	18.49	27.30	NA	0.6
MW-2	09/18/2002	48,000	NA	7,600	850	1,300	6,300	NA	8,700	NA	NA	NA	NA	NA	NA	45.79	19.95	25.84	NA	1.0
MW-2	12/27/2002	40,000	NA	5,900	1,200	1,400	7,800	NA	19,000	<50	<50	55	10,000	<50	<50	45.79	16.71	29.08	NA	1.0
MW-2	03/05/2003	62,000	NA	13,000	1,400	2,000	7,900	NA	21,000	NA	NA	<50	10,000	<50	NA	45.79	17.72	28.07	NA	1.4
MW-2	06/24/2003	19,000	NA	9,500	530	700	2,900	NA	14,000	NA	NA	<400	6,000	<100	NA	45.79	18.30	27.49	NA	1.4
MW-2	09/25/2003	65,000	NA	24,000	1,500	2,400	9,700	NA	19,000	NA	NA	<1,000	6,400	<250	NA	45.79	20.05	25.74	NA	1.3
MW-2	12/15/2003	67,000	NA	18,000	1,800	1,900	7,200	NA	11,000	NA	NA	<400	3,700	<100	NA	45.79	18.80	26.99	NA	0.1
MW-2	03/04/2004	72,000	NA	27,000	1,200	2,100	7,600	NA	13,000	NA	NA	<400	6,800	<100	NA	45.79	16.75	29.04	NA	0.2
MW-2	**05/27/2004**	**74,000**	**NA**	**6,000**	**2,000**	**2,500**	**15,000**	**NA**	**19,000**	**NA**	**NA**	**<400**	**8,500**	**<100**	**NA**	**45.79**	**18.85**	**26.94**	**NA**	**0.8**
MW-3	02/13/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.97	27.97	24.00	NA	NA
MW-3	02/24/1992	4,500	1,300a	97	<5	78	18	NA	NA	NA	NA	NA	NA	NA	NA	51.97	25.60	26.37	NA	NA
MW-3	02/27/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.97	25.88	26.09	NA	NA
MW-3	03/01/1992	2,200	440	69	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	51.97	26.00	25.97	NA	NA
MW-3	06/03/1992	4,100	NA	13	72	44	65	NA	NA	NA	NA	NA	NA	NA	NA	51.97	27.70	24.27	NA	NA
MW-3	09/01/1992	1,900	NA	20	6.8	5.5	<5	NA	NA	NA	NA	NA	NA	NA	NA	51.97	29.46	22.51	NA	NA
MW-3 (D)	09/01/1992	1,900	NA	21	6.6	3.4	<5	NA	NA	NA	NA	NA	NA	NA	NA	51.97	29.46	22.51	NA	NA
MW-3	10/06/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.97	30.01	21.96	NA	NA
MW-3	11/11/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.97	30.26	21.71	NA	NA
MW-3	12/04/1992	2,400	NA	8.2	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	51.97	29.93	22.04	NA	NA
MW-3 (D)	12/04/1992	2,100	NA	11	<0.5	5.7	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	51.97	29.93	22.04	NA	NA
MW-3	01/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.97	22.76	29.21	NA	NA
MW-3	02/10/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.97	21.40	30.57	NA	NA
MW-3	03/03/1993	5,100	NA	63	61	75	150	NA	NA	NA	NA	NA	NA	NA	NA	51.97	23.08	28.89	NA	NA
MW-3	05/11/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.97	24.51	27.46	NA	NA
MW-3	06/17/1993	4,000	NA	94	140	82	150	NA	NA	NA	NA	NA	NA	NA	NA	51.97	25.21	26.76	NA	NA
MW-3	09/10/1993	3,200	NA	140	12.5	12.5	12.5	NA	NA	NA	NA	NA	NA	NA	NA	51.97	26.95	25.02	NA	NA
MW-3	12/13/1993	6,200	NA	<12.5	<12.5	<12.5	<12.5	NA	NA	NA	NA	NA	NA	NA	NA	51.97	26.52	25.45	NA	NA
MW-3	03/03/1994	4,500	NA	73	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	51.97	24.50	27.47	NA	NA
MW-3	06/06/1994	3,200	NA	<0.5	<0.5	3.1	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	51.97	26.33	25.64	NA	NA
MW-3	09/12/1994	3,900	NA	<0.5	<0.5	9.6	4.1	NA	NA	NA	NA	NA	NA	NA	NA	51.97	27.98	23.99	NA	NA
MW-3	12/19/1994	2,400	NA	21	22	4.2	2.6	NA	NA	NA	NA	NA	NA	NA	NA	51.97	25.63	26.34	NA	NA
MW-3	02/28/1995	4,000	NA	58	<0.5	7.1	3.5	NA	NA	NA	NA	NA	NA	NA	NA	51.97	23.45	28.52	NA	NA
MW-3	03/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.97	21.07	30.90	NA	NA

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-3	06/26/1995	3,900	NA	8.1	<0.5	12	2.4	NA	NA	NA	NA	NA	NA	NA	NA	51.97	23.64	28.33	NA	NA
MW-3	09/13/1995	4,100	NA	58	5.5	5.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	51.97	25.40	26.57	NA	NA
MW-3	12/19/1995	3,600	NA	<0.5	4.3	2.1	1.1	NA	NA	NA	NA	NA	NA	NA	NA	51.97	24.53	27.44	NA	NA
MW-3	03/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.97	21.59	30.41	0.04	NA
MW-3	06/28/1996	2,400	NA	55	<0.5	<0.5	11	120	NA	NA	NA	NA	NA	NA	NA	51.97	23.95	28.02	NA	NA
MW-3	09/26/1996	2,500	NA	<5.0	<5.0	<5.0	<5.0	160	NA	NA	NA	NA	NA	NA	NA	51.97	25.89	26.08	NA	NA
MW-3	12/10/1996	1,600	NA	28	4.2	<2.0	3.9	110	NA	NA	NA	NA	NA	NA	NA	51.97	24.22	27.75	NA	0.8
MW-3	03/10/1997	130	NA	<0.50	<0.50	<0.50	1.4	4.2	NA	NA	NA	NA	NA	NA	NA	51.97	23.05	28.92	NA	2.8
MW-3	06/30/1997	1,200	NA	21	2.3	<2.0	<2.0	69	NA	NA	NA	NA	NA	NA	NA	51.97	24.34	27.63	NA	2.3
MW-3	09/12/1997	440	NA	8.3	0.82	<0.50	1.9	3.4	NA	NA	NA	NA	NA	NA	NA	51.97	24.47	27.50	NA	1.9
MW-3 b	12/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.97	23.54	28.43	NA	0.8
MW-3	02/02/1998	400	NA	9.3	0.68	<0.50	<0.50	9	NA	NA	NA	NA	NA	NA	NA	51.97	21.92	30.05	NA	1.5
MW-3	06/24/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	51.97	22.35	29.62	NA	1.9
MW-3	08/26/1998	140	NA	7.4	<0.50	<0.50	2.5	13	NA	NA	NA	NA	NA	NA	NA	51.97	23.45	28.52	NA	1.3
MW-3	12/23/1998	1,200	NA	50	<2.0	<2.0	<2.0	69	NA	NA	NA	NA	NA	NA	NA	51.97	24.01	27.96	NA	4.2
MW-3	03/01/1999	2,550	NA	<0.500	<0.500	<0.500	0.658	32.4	NA	NA	NA	NA	NA	NA	NA	51.97	22.08	29.89	NA	2.0
MW-3	06/14/1999	514	NA	18.1	0.728	<0.500	<0.500	15.9	NA	NA	NA	NA	NA	NA	NA	51.97	23.15	28.82	NA	1.7
MW-3	09/28/1999	1,180	NA	<1.00	<1.00	<1.00	<1.00	<10.0	NA	NA	NA	NA	NA	NA	NA	51.97	25.36	26.61	NA	1.2
MW-3	12/08/1999	1,740	NA	71.5	23.0	24.2	61.3	103	NA	NA	NA	NA	NA	NA	NA	51.97	25.75	26.22	NA	2.0
MW-3	03/14/2000	1,410	NA	5.63	35.6	<5.00	8.41	38.7	NA	NA	NA	NA	NA	NA	NA	51.97	21.64	30.33	NA	2.1
MW-3	06/28/2000	2,460	NA	<5.00	9.48	<5.00	28.4	64.0	NA	NA	NA	NA	NA	NA	NA	51.97	23.84	28.13	NA	2.87
MW-3	09/06/2000	887	NA	<1.00	<1.00	<1.00	<1.00	<10.0	NA	NA	NA	NA	NA	NA	NA	51.97	24.73	27.24	NA	2.0
MW-3	12/14/2000	955	NA	25.4	1.96	<0.500	1.13	10.2	NA	NA	NA	NA	NA	NA	NA	51.97	25.45	26.52	NA	2.1
MW-3	03/05/2001	2,100	NA	4.90	56.5	<2.00	3.62	261	NA	NA	NA	NA	NA	NA	NA	51.97	22.83	29.14	NA	0.8
MW-3	06/11/2001	2,000	NA	1.0	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	NA	NA	51.97	25.20	26.77	NA	0.7
MW-3	09/12/2001	1,500	NA	0.50	0.54	<0.50	1.8	NA	<5.0	NA	NA	NA	NA	NA	NA	51.97	26.15	25.82	NA	1.5
MW-3	12/27/2001	2,100	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	51.97	23.67	28.30	NA	1.9
MW-3	02/27/2002	2,300	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	51.92	23.23	28.69	NA	1.5
MW-3	06/18/2002	2,000	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	NA	NA	51.92	24.74	27.18	NA	2.0
MW-3	09/18/2002	2,600	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	51.92	26.05	25.87	NA	1.4
MW-3	12/27/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.92	NA	NA	NA	NA
MW-3	03/05/2003	2,300	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	<2.0	<50	13	NA	51.92	23.84	28.08	NA	1.3
MW-3	06/24/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.92	NA	NA	NA	NA
MW-3	06/25/2003	1,800 c	NA	0.71	<0.50	<0.50	<1.0	NA	0.54	NA	NA	<2.0	<5.0	1.1	NA	51.92	24.48	27.44	NA	1.3
MW-3	09/25/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.92	25.99	25.93	NA	NA

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-3	12/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.92	24.94	26.98	NA	NA
MW-3	03/04/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.92	22.50	29.42	NA	NA
MW-3	**05/27/2004**	**2,500**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**1.1**	**NA**	**NA**	**<2.0**	**<5.0**	**0.82**	**NA**	**51.92**	**24.94**	**26.98**	**NA**	**0.5**
MW-4	03/24/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	40.51	9.16	31.35	NA	NA
MW-4	06/26/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	40.51	12.06	28.45	NA	NA
MW-4	09/13/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	40.51	13.90	26.61	NA	NA
MW-4	12/19/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	40.51	12.90	27.61	NA	NA
MW-4	03/06/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	40.51	9.63	30.88	NA	NA
MW-4	06/28/1996	40	NA	<0.5	0.59	0.97	3.8	26	NA	NA	NA	NA	NA	NA	NA	40.51	12.30	28.21	NA	NA
MW-4	09/26/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	40.51	14.12	26.39	NA	NA
MW-4	12/10/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	40.51	12.31	28.20	NA	1.2
MW-4	03/10/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	40.51	11.34	29.17	NA	NA
MW-4	06/30/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	40.51	13.80	26.71	NA	1.9
MW-4	09/12/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	40.51	13.99	26.52	NA	1.7
MW-4 b	12/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.51	12.02	28.49	NA	1.8
MW-4	02/02/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	40.51	11.23	29.28	NA	1
MW-4	06/24/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	40.51	10.58	29.93	NA	1.9
MW-4	08/26/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	40.51	11.75	28.76	NA	1.2
MW-4	12/23/1998	<50	NA	0.60	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	40.51	12.41	28.10	NA	4.2
MW-4	03/01/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	40.51	10.38	30.13	NA	2.1
MW-4	06/14/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	40.51	11.91	28.60	NA	2.4
MW-4	09/28/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	40.51	10.19	30.32	NA	2.2
MW-4	12/08/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	40.51	10.67	29.84	NA	1.8
MW-4	03/14/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	40.51	9.95	30.56	NA	2.5
MW-4	06/28/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	40.51	12.22	28.29	NA	0.9
MW-4	09/06/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.51	13.17	27.34	NA	3.0
MW-4	12/14/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.51	8.65	31.86	NA	NA
MW-4	03/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.51	11.07	29.44	NA	NA
MW-4	06/11/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	NA	NA	40.51	13.62	26.89	NA	1.3
MW-4	09/12/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.51	14.61	25.90	NA	NA
MW-4	12/27/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.51	12.19	28.32	NA	NA
MW-4	02/27/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.45	11.64	28.81	NA	NA
MW-4	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	NA	NA	40.45	13.22	27.23	NA	0.6
MW-4	09/18/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.45	14.46	25.99	NA	NA

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-4	12/27/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.45	11.23	29.22	NA	NA
MW-4	03/05/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.45	12.22	28.23	NA	NA
MW-4	06/24/2003	57 c	NA	<0.50	<0.50	<0.50	<1.0	NA	12	NA	NA	NA	NA	NA	NA	40.45	12.79	27.66	NA	1.6
MW-4	09/25/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.45	14.45	26.00	NA	NA
MW-4	12/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.45	13.24	27.21	NA	NA
MW-4	03/04/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.45	10.93	29.52	NA	NA
MW-4	**05/27/2004**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**40.45**	**13.42**	**27.03**	**NA**	**0.5**
MW-5	01/29/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	12.82	28.64	NA	NA
MW-5	02/27/2002	190	NA	<0.50	<0.50	0.85	1.5	NA	<5.0	NA	NA	NA	NA	NA	NA	41.46	12.85	28.61	NA	1.9
MW-5	06/18/2002	650	NA	1.4	3.0	52	28	NA	<0.50	NA	NA	NA	NA	NA	NA	41.46	13.65	27.81	NA	0.8
MW-5	09/18/2002	390	NA	0.72	0.51	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	41.46	15.57	25.89	NA	1.1
MW-5	12/27/2002	380	NA	<0.50	<0.50	0.56	<0.50	NA	<0.50	<2.0	<2.0	<2.0	<50	<2.0	<2.0	41.46	12.51	28.95	NA	1.9
MW-5	03/05/2003	290	NA	<0.50	1.7	9.4	22	NA	<5.0	NA	NA	NA	NA	NA	NA	41.46	13.39	28.07	NA	2.6
MW-5	06/24/2003	220	NA	<0.50	1.0	19	1.3	NA	<0.50	NA	NA	NA	NA	NA	NA	41.46	13.91	27.55	NA	1.7
MW-5	09/25/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	41.46	15.58	25.88	NA	2.1
MW-5	12/15/2003	200 c	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	41.46	14.45	27.01	NA	0.21
MW-5	03/04/2004	170 c	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	41.46	12.52	28.94	NA	0.1
MW-5	**05/27/2004**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**41.46**	**14.49**	**26.97**	**NA**	**0.5**
MW-6	01/29/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.50	3.88	37.62	NA	NA
MW-6	01/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.50	12.43	29.07	NA	NA
MW-6	02/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	41.50	12.82	28.68	NA	4.1
MW-6	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	NA	NA	41.50	4.26	37.24	NA	3.9
MW-6	09/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	41.50	5.26	36.24	NA	4.2
MW-6	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<2.0	<2.0	<2.0	<50	<2.0	<2.0	41.50	12.11	29.39	NA	3.0
MW-6	03/05/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	41.50	13.47	28.03	NA	4.9
MW-6	06/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	41.50	13.71	27.79	NA	5.8
MW-6	09/25/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.50	NA	NA	NA	NA
MW-6	12/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	41.50	13.17	28.33	NA	5.7
MW-6	03/04/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	41.50	11.15	30.35	NA	1.0
MW-6	**05/27/2004**	**<50**	**NA**	**0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**41.50**	**13.68**	**27.82**	**NA**	**1.0**
MW-7	10/21/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44.45	18.90	25.55	NA	NA
MW-7	12/27/2002	49,000	NA	830	980	2,000	5,200	NA	<10	<10	<10	<10	<100	<10	<10	44.45	15.43	29.02	NA	2.1

WELL CONCENTRATIONS
Shell-branded Service Station
1784 150th Avenue
San Leandro, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-7	03/05/2003	32,000	NA	370	490	1,600	2,900	NA	<100	NA	NA	NA	NA	NA	NA	44.45	16.34	28.11	NA	2.6
MW-7	06/24/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44.45	NA	NA	NA	NA
MW-7	09/25/2003	8,700	NA	57	34	450	290	NA	<5.0	NA	NA	NA	NA	NA	NA	44.45	18.36	26.09	NA	1.2
MW-7	12/15/2003	27,000	NA	170	260	1,200	1,500	NA	<10	NA	NA	NA	NA	NA	NA	44.45	17.44	27.01	NA	1.3
MW-7	03/04/2004	13,000	NA	200	190	1,200	1,200	NA	<5.0	NA	NA	NA	NA	NA	NA	44.45	15.45	29.00	NA	0.1
MW-7	**05/27/2004**	**16,000**	**NA**	**76**	**56**	**860**	**420**	**NA**	**<5.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**44.45**	**17.50**	**26.95**	**NA**	**0.5**
MW-8	10/21/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	43.27	17.70	25.57	NA	NA
MW-8	12/27/2002	30,000	NA	280	220	2,000	5,300	NA	<10	<10	<10	<10	<100	<10	<10	43.27	14.25	29.02	NA	1.2
MW-8	03/05/2003	30,000	NA	220	150	2,100	4,200	NA	<100	NA	NA	NA	NA	NA	NA	43.27	15.36	27.91	NA	1.3
MW-8	06/24/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	43.27	NA	NA	NA	NA
MW-8	09/25/2003	26,000	NA	240	53	1,600	2,600	NA	<50	NA	NA	NA	NA	NA	NA	43.27	17.43	25.84	NA	1.0
MW-8	12/15/2003	38,000	NA	290	140	2,200	5,200	NA	<13	NA	NA	NA	NA	NA	NA	43.27	16.24	27.03	NA	0.4
MW-8	03/04/2004	19,000	NA	180	95	1,400	3,900	NA	<13	NA	NA	NA	NA	NA	NA	43.27	14.63	28.64	NA	0.1
MW-8	**05/27/2004**	**19,000**	**NA**	**230**	**41**	**1,100**	**2,200**	**NA**	**<13**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**43.27**	**16.41**	**26.86**	**NA**	**0.5**
MW-9	12/10/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.65	15.15	26.50	NA	NA
MW-9	12/15/2003	<50	NA	<0.50	<0.50	<0.50	1.3	NA	2.5	NA	NA	NA	NA	NA	NA	41.65	14.48	27.17	NA	0.9
MW-9	03/04/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	41.65	12.15	29.50	NA	0.2
MW-9	**05/27/2004**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**41.65**	**14.55**	**27.10**	**NA**	**0.5**
MW-10	12/10/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50.64	24.33	26.31	NA	NA
MW-10	12/15/2003	6,400	NA	3.1	<1.0	33	20	NA	<1.0	NA	NA	<4.0	<10	<1.0	NA	50.64	23.58	27.06	NA	0.3
MW-10	03/04/2004	1,400	NA	1.2	<1.0	16	3.4	NA	<1.0	NA	NA	<4.0	<10	<1.0	NA	50.64	21.20	29.44	NA	0.1
MW-10	**05/27/2004**	**810**	**NA**	**<1.0**	**<1.0**	**8.3**	**<2.0**	**NA**	**<1.0**	**NA**	**NA**	**<4.0**	**NA**	**<1.0**	**NA**	**50.64**	**23.63**	**27.01**	**NA**	**0.5**
MW-11	12/10/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45.58	19.10	26.48	NA	NA
MW-11	12/15/2003	110,000	NA	9,900	3,300	3,900	23,000	NA	20,000	NA	NA	<800	18,000	<200	NA	45.58	18.50	27.08	NA	0.3
MW-11	03/04/2004	68,000	NA	5,300	3,000	3,600	23,000	NA	8,300	NA	NA	<200	12,000	<50	NA	45.58	16.67	28.91	NA	0.1
MW-11	**05/27/2004**	**86,000**	**NA**	**8,500**	**3,200**	**13,000**	**22,000**	**NA**	**25,000**	**NA**	**NA**	**<400**	**18,000**	**<100**	**NA**	**45.58**	**18.60**	**26.98**	**NA**	**1.6**

WELL CONCENTRATIONS
Shell-branded Service Station
1784 150th Avenue
San Leandro, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to June 11, 2001, analyzed by EPA Method 8015.
TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to June 11, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260
TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260
1,2-DCA = 1,2-dichloroethane, analyzed by EPA Method 8260
EDB = 1,2-dibromomethane or ethlyene dibromide, analyzed by EPA Method 8260
TOC = Top of Casing Elevation
SPH = Separate-Phase Hydrocarbons
GW = Groundwater
DO = Dissolved Oxygen
ug/L = Parts per billion
ppm = Parts per million
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
D = Duplicate sample
NA = Not applicable

Notes:
a = Chromatogram pattern indicates an unidentified hydrocarbon.
b = Samples not analyzed due to laboratory oversight.
c = Hydrocarbon does not match pattern of laboratory's standard.
* = Sample analyzed out of EPA recommended hold time.
Site surveyed January 23, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.
Survey data for wells MW-7 and MW-8 provided by Cambria Environmental Technology.
Wells MW-9, MW-10, and MW-11 surveyed December 11, 2003 by Virgil Chavez Land Surveying of Vallejo, CA.