ALAMEDA COUNTY
HEALTH CARE SERVICES AGENCY
ALEX BRISCOE, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

August 27, 2013

Marvin Katz
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

Bhushan K. Bansal
Bansal, Inc.
1784 150th Avenue
San Leandro, CA 94578-1826

Subject: Case Closure for Fuel Leak Case No. RO0000367 and GeoTracker Global ID T0600101230, Shell#13-6017, 1784 150th Avenue, San Leandro, CA 94578

Dear Mr. Katz and Mr. Bansal:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (http://geotracker.swrcb.ca.gov) and the Alameda County Environmental Health website (http://www.acgov.org/aceh/index.htm).

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Total Petroleum Hydrocarbons as gasoline remains in soil at concentrations up to 4,100 ppm.
- Benzene remains in soil at concentrations up to 11 ppm.
- As described in section IV of the attached Case Closure Summary, the case was closed with Site Management Requirements that limit future land use to the current commercial land use as a gasoline service station only.

If you have any questions, please call Jerry Wickham at (510) 567-6791. Thank you.

Sincerely,

Dilan Roe

Dilan Roe, P.E.
Program Manager – Local Oversight Program

Enclosures:
1. Remedial Action Completion Certification
2. Case Closure Summary

cc:

John Camp
City of San Leandro Environmental Services Division
835 E 14th Street
San Leandro, CA 94577
(*Sent via E-mail to: jcamp@sanleandro.org*)

Closure Unit
State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120
(uploaded to GeoTracker)

Peter Schaefer
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608 2032
(*Sent via E-mail to: pschaefer@craworld.com*

Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Jerry Wickham, ACEH (*Sent via E-mail to: jerry.wickham@acgov.org*)

GeoTracker (w/enc)
eFile (w/orig enc)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

ALEX BRISCOE, Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
FAX (510) 337-9135

REMEDIAL ACTION COMPLETION CERTIFICATION

August 27, 2013

Marvin Katz
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

Bhushan K. Bansal
Bansal, Inc.
1784 150th Avenue
San Leandro, CA 94578-1826

Subject: Case Closure for Fuel Leak Case No. RO0000367 and GeoTracker Global ID T0600101230, Shell#13-6017, 1784 150th Avenue, San Leandro, CA 94578

Dear Mr. Katz and Mr. Bansal:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

Ariu Levi
Director

Alameda County Environmental Health

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM

Date: January 30, 2013

I. AGENCY INFORMATION

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6791
Responsible Staff Person: Jerry Wickham	Title: Senior Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Shell #13-6017		
Site Facility Address: 1784 150th Avenue, San Leandro, CA 94578		
RB Case No.: 01-6017	Local Case No.: STID 768	LOP Case No.: RO0000367
URF Filing Date: 11/10/1986	Geotracker ID: T0600101230	APN: 80-22-1-15

Responsible Parties	Addresses	Phone Numbers
Bhushan K. Bansal Bansal, Inc.	1784 150th Avenue San Leandro, CA 94578-1826	---
Marvin Katz	Shell Oil Products, US 20945 S. Wilmington Avenue Carson, CA 90810-1039	(310) 550-5846

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
--	550	Waste Oil	Removed	11/07/1986
---	550	Waste Oil	Removed	05/25/2006
Piping			Replaced	03/2005

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown. Site investigation activities were initiated in 1990 in the area of a waste oil tank. Total petroleum hydrocarbons as gasoline (TPHg) were detected in a soil sample collected from a boring adjacent to the former waste oil tank. .		
Site characterization complete? Yes	Date Approved By Oversight Agency: -----	
Monitoring wells installed? Yes	Number: 26	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 3.88 feet bgs	Lowest Depth: 27.99 feet bgs	Flow Direction: Predominantly a southward gradient with significant variations between, southeast, southwest, and northwest.
Most Sensitive Current Use: Potential drinking water source.		

Summary of Production Wells in Vicinity: The nearest water supply wells appear to be two irrigation wells located approximately 950 feet northwest of the site. Based on the distance from the site, the two irrigation wells are not expected to be receptors for the site. Four additional irrigation wells are located between approximately 1,100 feet and 1,700 feet from the site. Based on the distances from the site, these four irrigation wells are not expected to be receptors for the site. No other water supply wells are located within 2,000 feet of the site.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: Lake Chabot is approximately 6,100 feet northeast of the site.
Off-Site Beneficial Use Impacts (Addresses/Locations): None identified.	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tanks	2-550-gallon	Not Reported	11/1986 and 05/25/2006
Piping	Not Reported	Not Reported	03/22/2005
Free Product	----	----	----
Soil	146 tons	Transported to Forward Landfill in Manteca, CA for disposal	04/25/2005
Groundwater	42,429 gallons	Extracted groundwater was transported to Shell's Martinez refinery for disposal	07/03/2002 through 06/27/2007

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
(Please see Attachments 1 through 6 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	4,100	4,100	130,000(1)	46,000(1)
TPH (Diesel)	Not Analyzed	Not Analyzed	9,700	9,700
Oil and Grease	196	45	Not Analyzed	Not Analyzed
Benzene	11	11	36,000(2)	1,000(2)
Toluene	83	83	34,000(3)	580(3)
Ethylbenzene	48	48	32,000(4)	2,500(4)
Xylenes	280	280	31,000(5)	13,000(5)
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	75(6)	75(6)	Not Analyzed	Not Analyzed
MTBE	1.4(7)	1.1(8)	32,000(9)	92(10)
Other (8240/8270)	Not Detected(11)	Not Detected(11)	Not Analyzed	Not Analyzed

1) The maximum concentration before cleanup is from a groundwater sample collected from well MW-1 on 06/28/1996; the maximum concentration after cleanup is from a groundwater sample collected from well EW-2 during the most recent groundwater monitoring event on 09/20/2012.
(2) The maximum concentration before cleanup is from a groundwater sample collected from well MW-2 on 03/03/1993; the maximum concentration after cleanup is from a groundwater sample collected from well EW-1 during the most recent groundwater monitoring event on 09/20/2012.
(3) The maximum concentration before cleanup is from a groundwater sample collected from well MW-2 on 09/12/1994; the maximum concentration after cleanup is from a groundwater sample collected from well EW-2 during the most recent groundwater monitoring event on 09/20/2012.
(4)) The maximum concentration before cleanup is from a groundwater sample collected from well MW-2 on 03/03/1993; the maximum concentration after cleanup is from a groundwater sample collected from well EW-2 during the most recent groundwater monitoring event on 09/20/2012.
(5) The maximum concentration before cleanup is from a grab groundwater sample collected from boring SVS-11 on 11/10/1998; the maximum concentration after cleanup is from a groundwater sample collected from well EW-2 during the most recent groundwater monitoring event on 09/20/2012.
(6) Total lead = 75 ppm; Cadmium <0.5 ppm; Chromium = 25 ppm; Nickel = 19 ppm; and Zinc = 58 ppm.
(7) MTBE = 1.4 ppm; TBA = 0.32 ppm; EDC = 0.0064 ppm; ETBE, TAME. DIPE, and EDB <0.05 ppm.
(8) MTBE = 1.1 ppm; TBA = 0.32 ppm; ETBE, TAME. DIPE, EDB, and EDC <0.05 ppm.
(9) MTBE = 26,000 ppb; TBA = 10,000 ppb; EDC = 97 ppb; DIPE, ETBE, TAME, and EDB <0.5 ppb.
(10) During the most recent groundwater monitoring event on 09/20/2012, MTBE = 92 ppb; TBA = 460 ppb; DIPE, ETBE, TAME, and EDC <0.5 ppb; and EDB not analyzed.
(11) VOCs, PNAs, pentachlorophenol, creosote, and PCBs not detected above various reporting limits.

Site History and Description of Corrective Actions:

The site is an active gasoline service station located at the intersection of 150th Avenue and Freedom Avenue in an unincorporated area of Alameda County northeast of San Leandro, CA. Surrounding land use is mixed residential and commercial. Interstate 580 is located approximately 90 feet northeast of the site at a lower elevation.

In November 1986, a 550-gallon waste oil tank was removed from the area southwest of the station building. Soil samples from beneath the former tank contained up to 196 ppm total oil and grease. The tank pit was over-excavated to a depth of 16 feet below ground surface (bgs). A new 550-gallon waste oil tank was installed in the same location.

One soil boring (BH-A) advanced adjacent to the waste oil tank was converted to a monitoring well (MW-1) in March 1990. A soil sample collected 29 feet bgs contained 35 ppm total petroleum hydrocarbons as gasoline (TPHg) and 0.23 ppm benzene.

In February 1992, two soil borings (BH-B-and BH-C) were converted to monitoring wells (MW-2 and MW-3). Soil samples from boring BH-C, which was located more than 100 feet crossgradient from the tanks, contained up to 68 ppm TPHg at a depth of 31.5 feet bgs.

In June 1994, six soil borings (BH-1 through BH-6) were advanced on and off-site to collect soil and grab groundwater samples. The grab groundwater sample from BH-3 contained 20,000 ppb of TPHg and 25,000 ppb of benzene. No petroleum hydrocarbons were detected in grab groundwater samples from BH-1, BH-4, BH-5, and BH-6.

In February and March 1995, four soil borings (BH-7 through BH-10) were advanced at the site. Boring BH-10 was converted to monitoring well MW-4.

In July 1996, soil vapor and soil samples were collected from the vadose zone in ten on and off-site borings (SVS-1 through SVS-10). The highest soil vapor concentrations were detected near the northwest corner of the UST complex (sample SVS-5 at 3.0 feet bgs) which contained 7,600 ppm by volume benzene.

In December 1997, the dispensers and turbine sumps were upgraded. Soil samples collected beneath the dispensers contained up to 590 ppm TPHg (Disp-c at 4.5 feet bgs), 1.8 ppm benzene (Disp-C at 2.0 feet bgs), and 1.4 ppm MTBE (Disp-C at 2.0 feet bgs).

In November 1998, three on-site and three off-site soil borings (SVS-11 and SVS-16) were advanced to collect soil, soil vapor, and groundwater samples. Soil vapor samples contained up to 2.7 ppm by volume TPHg (C5+, SVS-14 at 5 feet bgs) and 32 µg/m3 benzene. Grab groundwater samples contained up to 130,000 ppb TPHg and 18,000 ppb benzene.

In October 2001, two monitoring wells (MW-5 and MW-6) were installed in a private driveway off-site to the southwest. No TPHg, BTEX, or MTBE was detected in soil samples from well boring MW-5. Soil samples from well boring MW-6 contained up to 0.012 ppm MTBE; TPHg and BTEX were not detected at concentrations above reporting limits. These results were generally similar to results from previous borings SVS-14 through SVS-16 advanced in the area, which did not detect TPHg or BTEX and detected low concentrations of MTBE.

From July 2002 through March 2004, semi-monthly groundwater extraction (GWE) was conducted using monitoring well MW-2. Beginning in March 2004, semi-monthly GWE was alternated between wells MW-2 and MW-11. Beginning in May 2004, GWE frequency was increased to weekly for both wells MW-2 and MW-11. Mobile GWE was suspended on August 24, 2004. Approximately 19.6 pounds of TPHg, 3.45 pounds of benzene, and 5.12 pounds of MTBE were removed by GWE.

Site History and Description of Corrective Actions (continued):

In October 2002, one soil boring (SB-9) and two monitoring wells (MW-7 and MW-8) were installed northwest of the site in 150th Avenue and Portofino Circle. Grab groundwater samples contained up to 83,000 ppb TPHg (MW-8) and 2,200 ppb benzene (SB-9).

In June 2003, six soil borings (SB-10 through SB-14 and SB-16) were advanced northwest of the site in 150th Avenue and Portofino Circle. One soil boring (SB-15) was installed on site. Grab groundwater samples contained up to 67,000 ppb TPHg (SB-14), 530 ppb benzene (SB-15), and 40 ppb MTBE (SB-15).

In November 2003, two on-site wells (MW-10 and MW-11) and one off-site monitoring well MW-9 were installed. MTBE was detected in two soil samples (MW-11-20' and MW-11-24.5') at concentrations up to 1.4 ppm.

In September 2004, two soil borings (SB-17 and SB-18) were advanced southeast of the site to further delineate the extent of soil and groundwater contamination. No TPHg, BTEX, or fuel oxygenates were detected at concentrations above reporting limits in the borings. Grab groundwater samples contained up to 55 ppb TPHg with no BTEX or fuel oxygenates at concentrations above reporting limits.

From September to November 2004, a temporary GWE system operated using wells MW-1, MW-2, and MW-11 as an interim remedial measure. GWE activities were suspended in November 2004 to conduct dual-phase extraction (DPE) using wells MW-2 and MW-11 to reduce hydrocarbon mass in the western corner of the site. Vapor phase mass removal was approximately 165 pounds of TPHg, 0.291 pounds of benzene, and 0.063 pounds of MTBE. Total liquid phase mass removal was 5.31 pounds of TPHg, 0.143 pounds of benzene, and 0.143 pounds of MTBE.

Between January 10 and April 13, 2005, a temporary GWE system operated using well MW-11. During these activities, approximately 19.04 pounds of TPHg, 1.69 pounds of benzene, and 3.94 pounds of MTBE were removed.

The fuel dispensers, piping and UST sumps were upgraded between March and May 2005. TPHg was detected in 11 soil samples at a maximum concentration of 4,100 ppm, benzene was detected in six soil samples at a maximum concentration of 11 ppm, and MTBE was detected in five soil samples at a maximum concentration of 0.18 ppm.

One 550-gallon waste oil tank was removed on May 25, 2006. Based on results from one soil sample collected beneath the waste oil tank, the soil contained 45 ppm oil & grease and 4.3 ppm TPHd. No further investigation of the waste oil tank was required.

In May 2006, seven soil borings (SB-19 through SB-25) were advanced with monitoring wells (MW-12 and MW-13) installed in two of the borings. Up to 1.060 ppm TPHg and 1.38 ppm benzene were detected in soil samples collected from the capillary fringe in borings SB-19, SB-20, SB-21, SB-23, and SB-24.

In August and September 2007, five cone penetrometer (CPT) borings (CPT-1 through CPT-3) and one hollow-stem auger boring (B-1) were advanced to delineate the vertical extent of contamination. Five soil vapor probes (SVP-1 through SVP-5) were also installed. The concentrations of petroleum hydrocarbons and fuel oxygenates were below Environmental Screening Levels in all grab groundwater samples. Based on these results, the vertical extent of contamination appears to be limited to shallower groundwater. The concentrations of TPHg, BTEX, and MTBE in soil vapor were below ESLs for residential land use with the exception of TPHg in soil vapor samples SVP-1, SVP-4, and SVP-5.

In September and October 2008, two groundwater monitoring wells (Mw-1 and MW-2) were destroyed because their excessive screen length which provided a potential vertical conduit for contaminant migration. Three monitoring wells (MW-1A, MW-1B, and MW-2B) were installed to replace MW-1 and MW-2. In addition, two DPE wells (EW-1 and EW-2) and eight piezometers P-1A through P-4A and P-1B through P-4B) were installed for use in aquifer tests and a DPE pilot test.

Site History and Description of Corrective Actions (continued):

An aquifer pumping test and a multi-phase extraction (MPE) test were conducted in November 2008. Based on these results, Conestoga-Rovers & Associates (CRA) concluded that the smear zone could not be adequately dewatered and therefore, did not consider MPE feasible.

In March 2010, an air sparging well (AS-1) was installed and an air sparging/soil vapor extraction (AS/SVE) pilot test was conducted. During the test, up to 3,500 ppm of VOCs were detected shallow soil vapor in monitoring well SVP-1 near the southwest boundary of the site. Due to the potential for off-site vapor impacts, the test was stopped. In October 2010, one additional SVE well (SVE-1) and two soil vapor probes (SVP-6 and SVP-7) were installed to control and monitor soil vapor movement during a second AS/SVE pilot test. During the second pilot test in November 2010, the minimum feasible sparge flow rate was not achieved and CRA considered AS/SVE not feasible.

Two shallow soil vapor probes (SVP-4A and SVP-5A and one nested soil vapor probe (SVP-8) were installed in May 2012. TPHg was detected in the soil vapor sample from probe SVP-4A at a concentration of 5,300,000 microgram per cubic meter ($\mu g/m^3$). Benzene was not detected above a highly elevated reporting limit of 4,000 $\mu g/m^3$. Based on these results, CRA recommended installing and sampling two near sub-slab vapor probes adjacent to the service station convenience store to assess potential human health risks. However, since the Low-Threat Closure Policy, which became effective in August 2012, does not require evaluations of soil vapor at active service stations, the work plan for soil vapor assessment was retracted.

Groundwater monitoring has been ongoing at the site since March 1990. Separate-phase hydrocarbons (SPH) were observed intermittently in wells MW-1, MW-2, MW-3, and MW-11; however, no SPH have been observed since the July 2008 sampling event. The monitoring data indicate that the plume generally appears to be stable with slowly decreasing trends in concentrations observed in site monitoring well data.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, closure of this site appears to be consistent with the policies established by the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy which became effective on August 17, 2012.		
Site Management Requirements: This fuel leak case has been evaluated for closure consistent with the criteria in the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Benzene concentrations in shallow soil exceed the numerical criteria for direct contact and outdoor air exposure prescribed in the LTCP for residential and commercial land use. Under the current land use as an active retail fueling station, most of the site is paved with minor landscaped areas near the site boundaries resulting in a low potential for direct exposure under the current land use as a retail fueling station. In addition, the potential for vapor intrusion to the on-site building has not been fully evaluated. Therefore, case closure is granted for the current commercial land use as a retail fueling station in order to mitigate the potential for exposure under a different land use scenario. If a change in land use to any residential, commercial other than as a retail fueling station, or conservative land use, or if any re-development occurs, Alameda County Environmental Health (ACEH) must be notified as required by Government Code Section 65850.2.2. Due to the potential for direct exposure and vapor intrusion to indoor air for future buildings, ACEH will re-evaluate the case upon receipt of approved development/construction plans. Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities		
Should corrective action be reviewed if land use changes? Yes		
Was a deed restriction or deed notification filed? No		Date Recorded: ---
Monitoring Wells Decommissioned: No	Number Decommissioned: 0	Number Retained: 26
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: None		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

Because the site is an active commercial fueling station, the LTCP does not require evaluation of the potential for vapor intrusion to indoor air and does not consider the potential for vapor intrusion if land use changes in the future. Therefore, this site has not been fully evaluated for vapor intrusion to indoor air. TPHg was detected at a concentration of 5,300,000 $\mu g/m^3$ in a soil vapor sample collected from a depth of 2.5 feet bgs near the on-site station building. If future on-site land use changes to something other than a retail fueling station, the potential for vapor intrusion to indoor air should be re-evaluated.

Based on the results from soil vapor samples collected off-site and near the property boundaries, there does not appear to be a risk of vapor intrusion to indoor air for off-site buildings. The depth to groundwater is typically more than 10 feet bgs and the concentrations of benzene in off-site groundwater are generally less than 1,000 ppb. Based on these conditions, the off-site areas meet the criteria in Scenario 3 (Low Concentration Groundwater Scenario with Oxygen Data) of the LTCP. Cases that meet these LTCP criteria are assumed to not pose unacceptable health risks for petroleum vapor intrusion.

Benzene concentrations in shallow soil exceed the direct contact and outdoor air exposure criteria prescribed in the LTCP for residential and commercial land use. Under the current land use as an active fueling station, most of the site is paved with minor landscaped areas near the site boundaries resulting in a low potential for direct exposure under the current land use. Future risks from direct contact and outdoor air exposure can be mitigated through the use of land use restrictions. Therefore, case closure is granted for the current commercial land use as an active retail fueling station.

The site does not appear to meet the prescribed numerical groundwater media-specific criteria for closure under the LTCP due to the proximity of a water supply well:

1. The plume that exceeds water quality objectives is less than 250 feet in length.
2. There is no free product.
3. An irrigation well is located approximately 850 feet from the plume boundary.
4. The dissolved concentration of benzene is less than 3,000 ppb but the dissolved concentration of MTBE is greater than 1,000 ppb.

However, a review of site-specific conditions indicates that the plume is stable or decreasing in size and is not likely to affect existing water supply wells. Under current and reasonably anticipated near-term future scenarios, the plume appears to pose a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame. For these reasons, the case meets the site-specific conditions (Class 5a) for closure under the LTCP.

Conclusion:

Alameda County Environmental Health staff believe that the site meets the criteria for case closure under the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy. No further investigation or cleanup for the fuel leak case is necessary at this time. However, as specified in the Site Management Requirements, re-evaluation of this case is required if land uses changes to any residential, commercial other than as a retail fueling station, or conservative land use, or construction or excavation activities take place.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham, P.G.	Title: Senior Hazardous Materials Specialist
Signature: Jerry Wickham	Date: 1/30/13
Approved by: Donna L. Drogos, P.E.	Title: Division Chief
Signature: Donna L. Drogos	Date: 1/30/13

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Notification Date: 01/30/13	

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: 04/17/13	Date of Well Decommissioning Report: 08/23/13	
All Monitoring Wells Decommissioned: Yes	Number Decommissioned: 26	Number Retained:
Reason Wells Retained: NA		
Additional requirements for submittal of groundwater data from retained wells: NA		
ACEH Concurrence - Signature: Jerry Wickham		Date: 08/27/13

Attachments:

1. Site Vicinity Map and Site Plan (3 pp)
2. Groundwater Contour and Chemical Concentration Maps (7 pp)
3. Cross Sections and Location Map (3 pp)
4. Soil Analytical Data (10 pp)
5. Soil Vapor Analytical Data (7 pp)
6. Groundwater Analytical Data (25 pp)
7. Boring Logs (97 pp)

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATION shall be retained by the lead agency as part of the official site file.

11/03/08

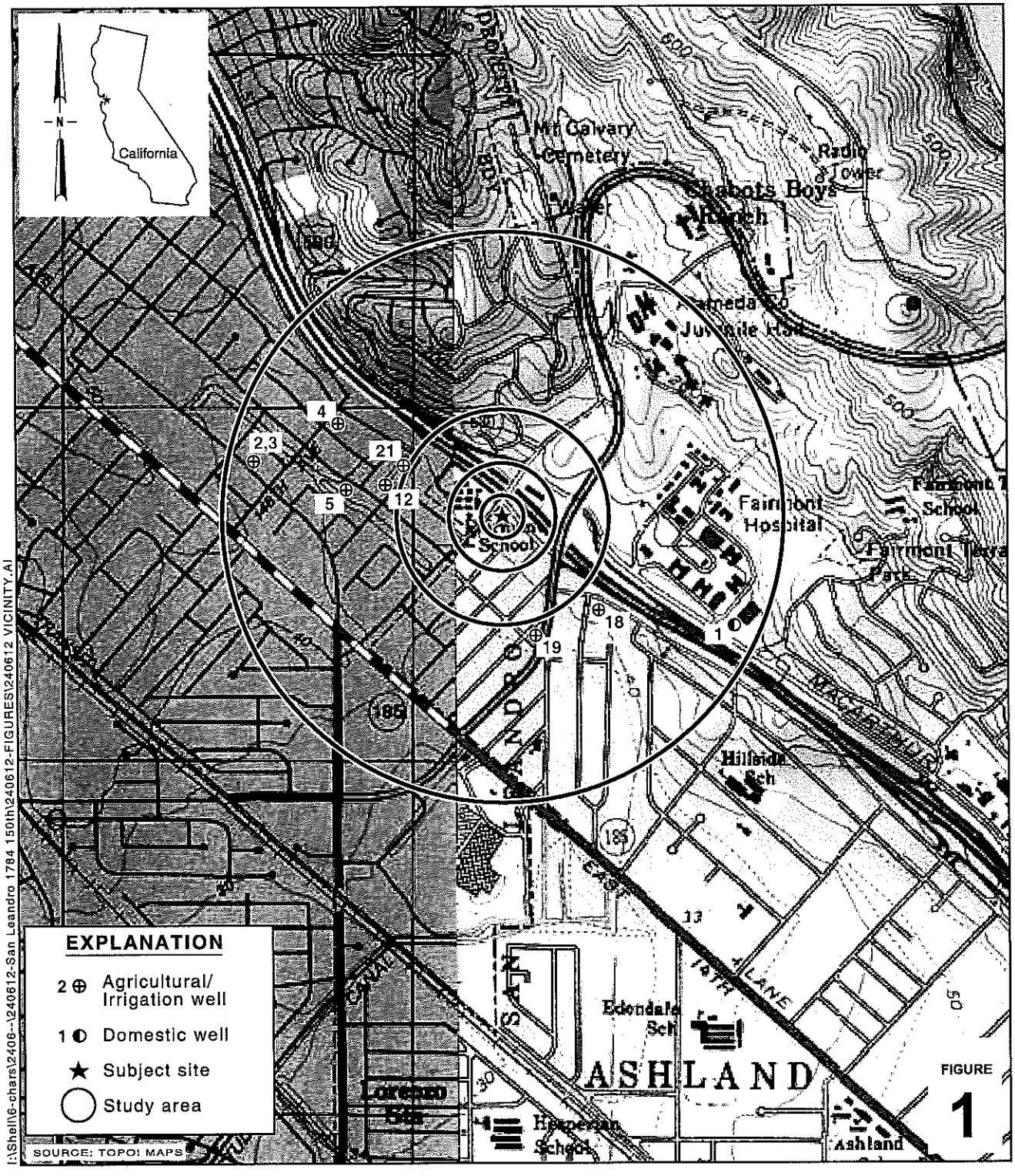

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FIGURE 1

Shell-branded Service Station

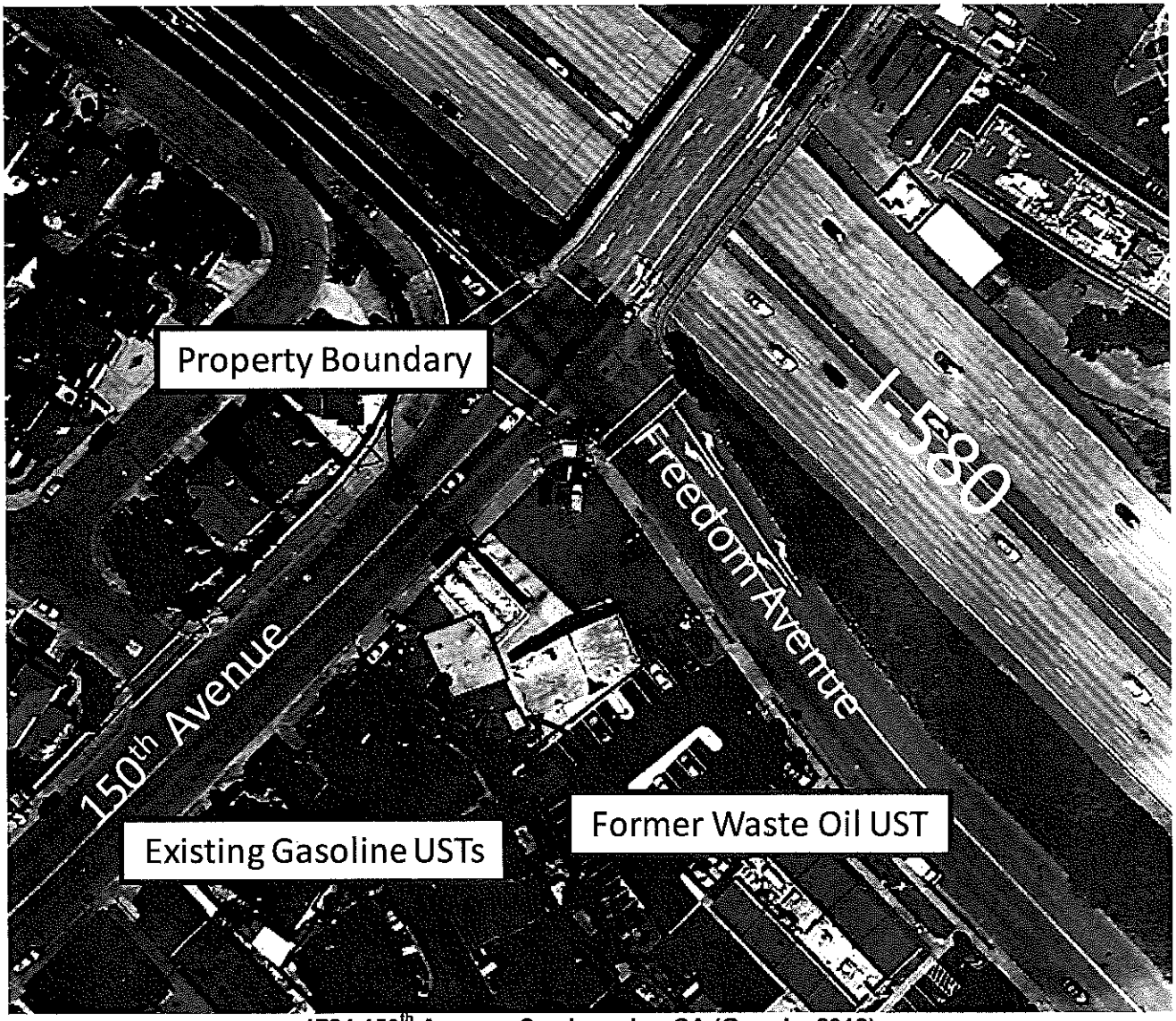
1784 150th Avenue

San Leandro, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

ATTACHMENT 1



1784 150th Avenue, San Leandro, CA (Google, 2012)

06/12/09

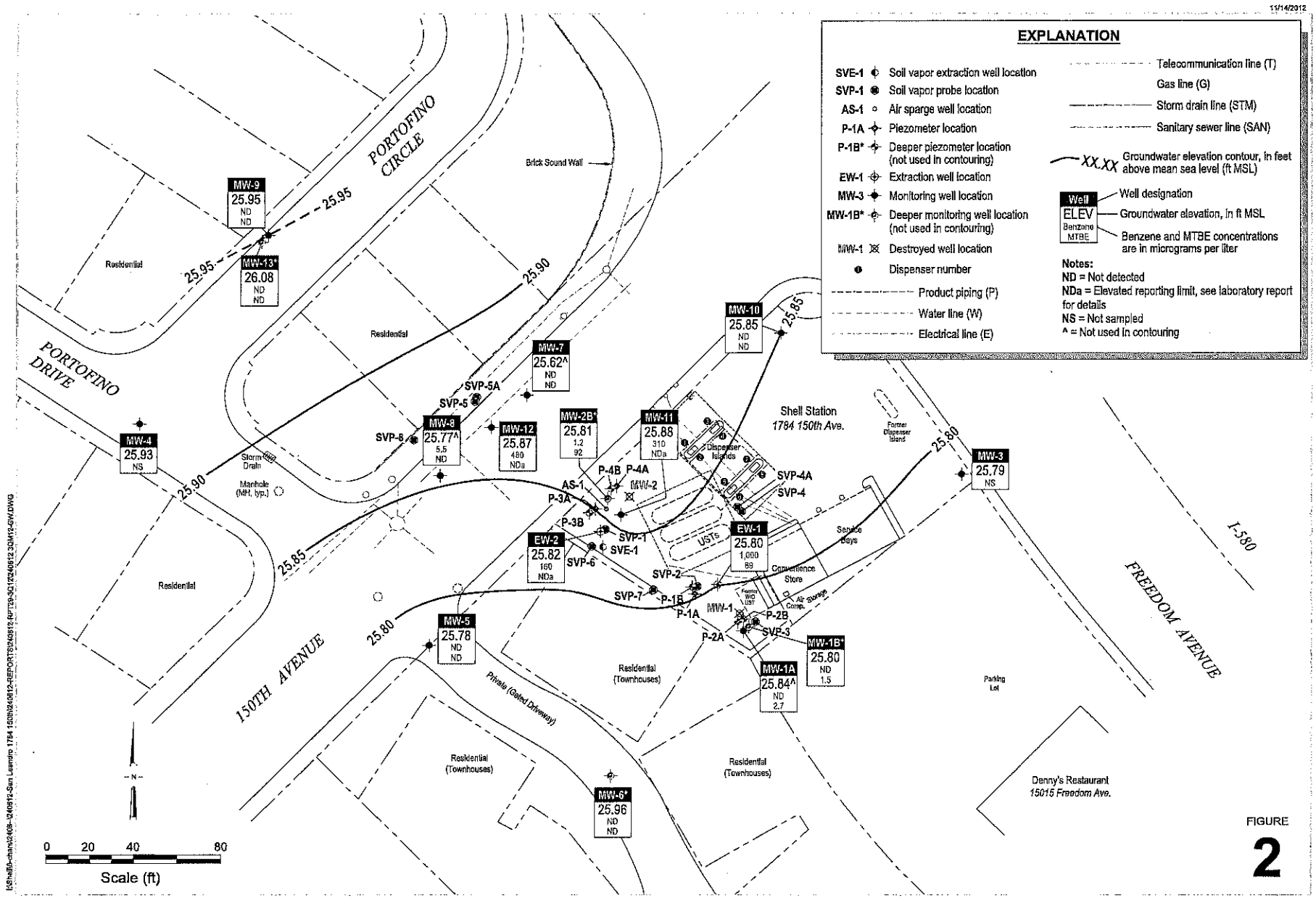
H:\Shell\Graphics\2408-2409\12-San Leandro 1784 150th\20912\FIGURES\20912 SITE PLAN.DWG

Site Plan

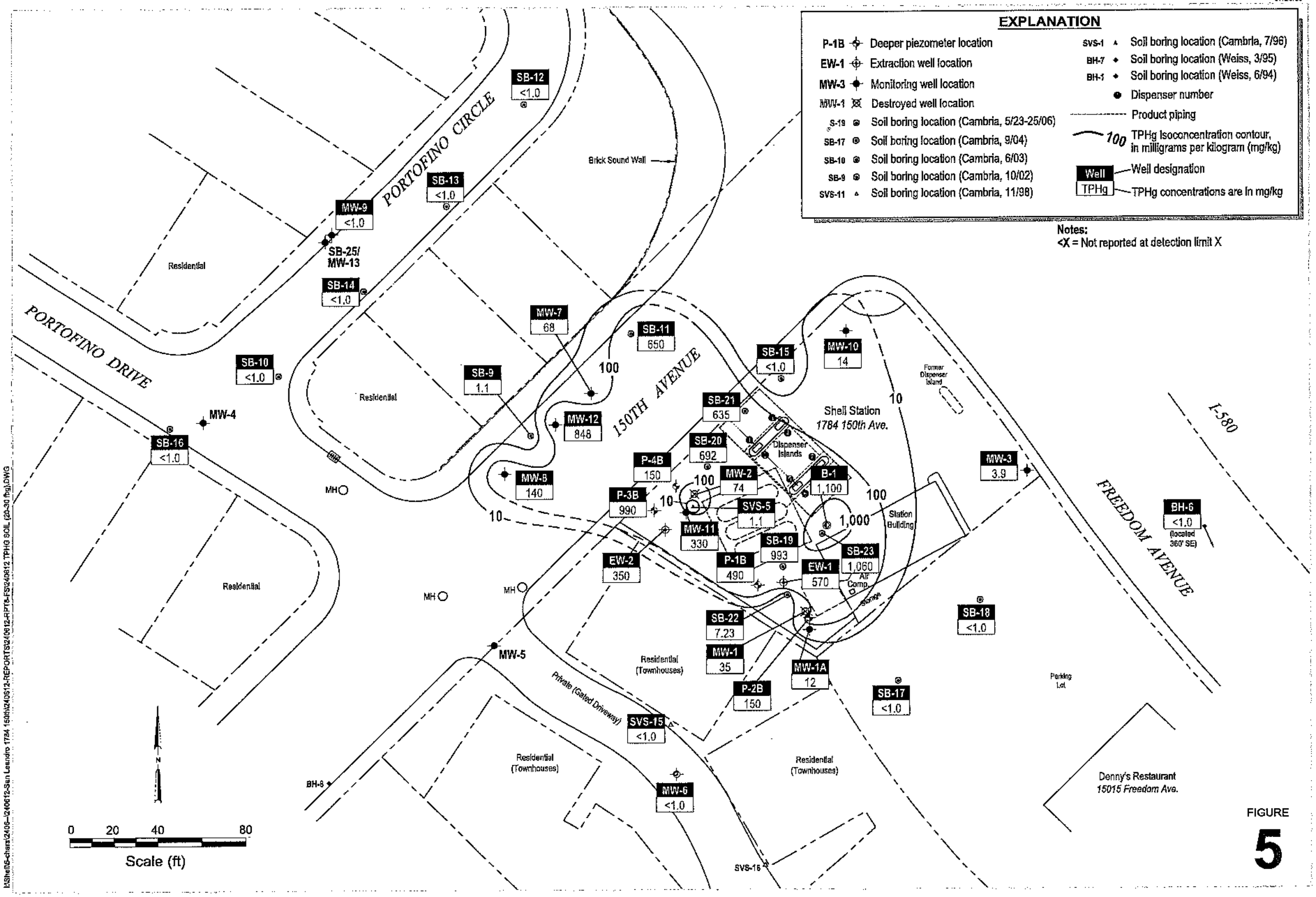
Shell-branded Service Station
1784 150th Avenue
San Leandro, California

CONESTOGA-ROVERS & ASSOCIATES

FIGURE
2



ATTACHMENT 2


07/20/09
EXPLANATION
P-1B Deeper piezometer location
EW-1 Extraction well location
MW-3 Monitoring well location
MW-1 Destroyed well location
S-19 Soil boring location (Cambria, 5/23-25/06)
SB-17 Soil boring location (Cambria, 9/04)
SB-10 Soil boring location (Cambria, 6/03)
SB-9 Soil boring location (Cambria, 10/02)
SVS-11 Soil boring location (Cambria, 11/98)
SVS-1 Soil boring location (Cambria, 7/96)
BH-7 Soil boring location (Weiss, 3/95)
BH-1 Soil boring location (Weiss, 6/94)
Dispenser number
Product piping
100 TPHg Isoconcentration contour, in milligrams per kilogram (mg/kg)
Well — Well designation
TPHg — TPHg concentrations are in mg/kg
Notes:
<X = Not reported at detection limit X
PORTOFINO CIRCLE
PORTOFINO DRIVE
150TH AVENUE
FREEDOM AVENUE
I-580
Brick Sound Wall
Residential
Residential (Townhouses)
Shell Station
1784 150th Ave.
Dispenser Islands
Former Dispenser Island
Station Building
Air Comp.
Storage
Parking Lot
Denny's Restaurant
15015 Freedom Ave.
Private (Gated Driveway)
MH
SB-12 <1.0
SB-13 <1.0
MW-9 <1.0
SB-25/ MW-13
SB-14 <1.0
SB-10 <1.0
MW-4
SB-16 <1.0
MW-7 68
SB-11 650
SB-9 1.1
MW-12 848
MW-8 140
SB-15 <1.0
MW-10 14
SB-21 635
SB-20 692
P-4B 150
MW-2 74
P-3B 990
SVS-5 1.1
MW-11 330
B-1 1,100
SB-19 993
P-1B 490
EW-1 570
SB-23 1,060
EW-2 350
MW-3 3.9
BH-6 <1.0 (located 360' SE)
SB-18 <1.0
SB-22 7.23
MW-1 35
MW-1A 12
P-2B 150
SB-17 <1.0
MW-5
SVS-15 <1.0
MW-6 <1.0
BH-8
SVS-15
10
100
1,000
0 20 40 80
Scale (ft)
N

I:\Shell\5-chars\2405-\240612-San Leandro 1784 150th\240612-REPORTS\240612-RPT8-FS\240612 TPHG SOIL (20-30 ftg).DWG

FIGURE

5

TPHg in Soil Isoconcentration Map

20 - 30 Feet Below Grade

CONESTOGA-ROVERS & ASSOCIATES

Shell-branded Service Station

1784 150th Avenue
San Leandro, California

TPHg in Groundwater Isoconcentration Map

March 10, 2009

CONESTOGA-ROVERS & ASSOCIATES

Shell-branded Service Station

1784 150th Avenue

San Leandro, California

FIGURE

6

Benzene in Groundwater Isoconcentration Map

March 10, 2009

CONESTOGA-ROVERS & ASSOCIATES

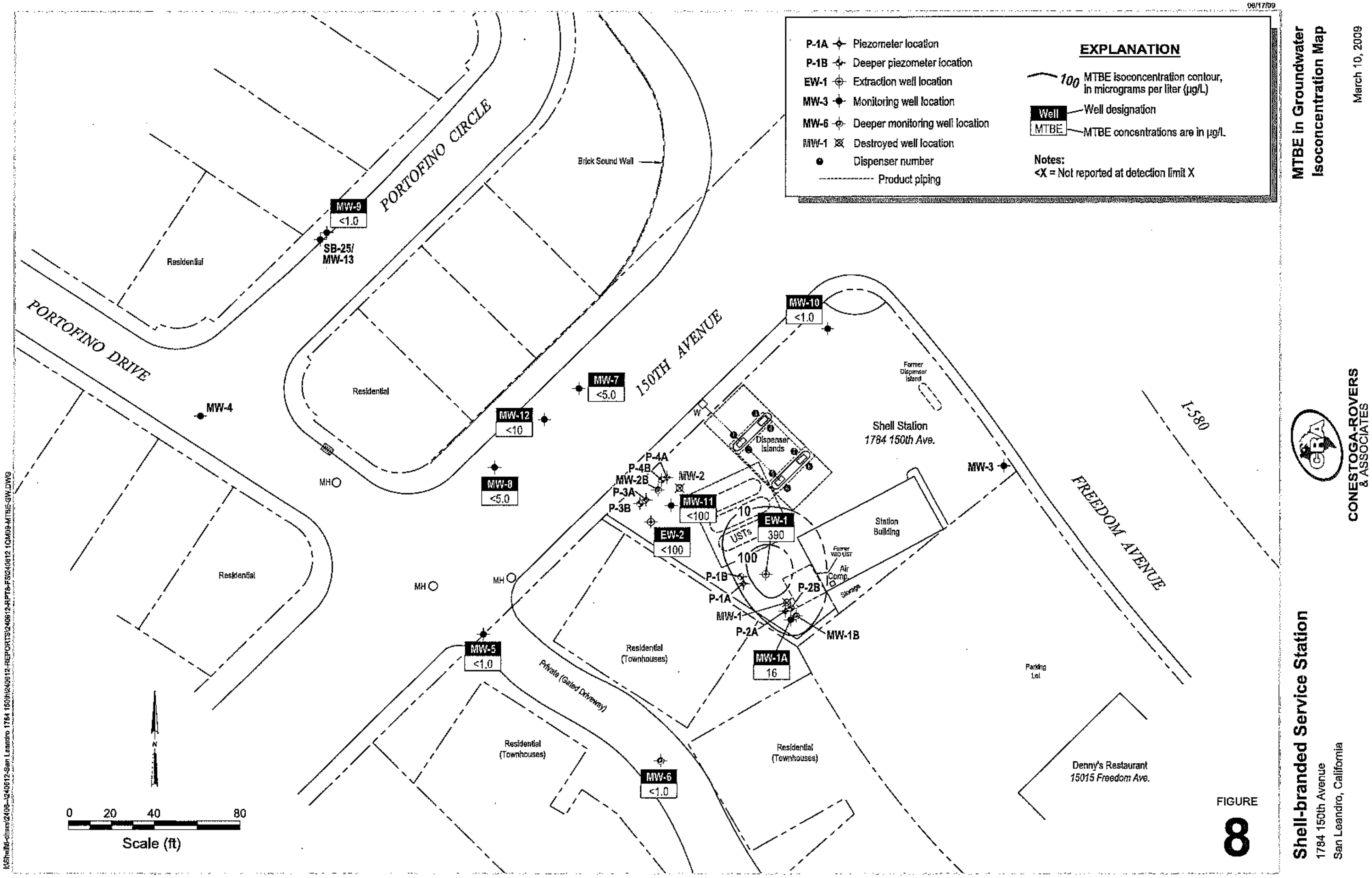
Shell-branded Service Station

1784 150th Avenue

San Leandro, California

FIGURE

7



06/17/09
EXPLANATION
P-1A Piezometer location
P-1B Deeper piezometer location
EW-1 Extraction well location
MW-3 Monitoring well location
MW-6 Deeper monitoring well location
MW-1 Destroyed well location
Dispenser number
Product piping
100 MTBE isoconcentration contour, in micrograms per liter (µg/L)
Well — Well designation
MTBE — MTBE concentrations are in µg/L
Notes:
<X = Not reported at detection limit X
PORTOFINO CIRCLE
PORTOFINO DRIVE
150TH AVENUE
FREEDOM AVENUE
I-580
Brick Sound Wall
Residential
Residential (Townhouses)
Private (Gated Driveway)
Shell Station
1784 150th Ave.
Former Dispenser Island
Dispenser Islands
USTs
Station Building
Former Waste Oil UST
Air Comp.
Storage
Parking Lot
Denny's Restaurant
15015 Freedom Ave.
MH
MW-9 <1.0
SB-25/ MW-13
MW-4
MW-7 <5.0
MW-12 <10
MW-8 <5.0
MW-10 <1.0
MW-3
MW-11 <100
EW-1 390
EW-2 <100
MW-5 <1.0
MW-6 <1.0
MW-1A 16
MW-1B
MW-1
MW-2
MW-2B
P-1A
P-1B
P-2A
P-2B
P-3A
P-3B
P-4A
P-4B
10
100
0 20 40 80
Scale (ft)
N
FIGURE
8
MTBE in Groundwater Isoconcentration Map
March 10, 2009
Shell-branded Service Station
1784 150th Avenue
San Leandro, California
CONESTOGA-ROVERS & ASSOCIATES

07/02/2012

EXPLANATION

ID	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes
SVP-4	5	4,700	110	<19	300	150

Notes:
Soil vapor sample ID, depth in feet below grade, and concentrations in micrograms per cubic meter
TPHg = Total petroleum hydrocarbons as gasoline
<X = Not detected at reporting limit X

ID	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes
SVP-5	5	<3,800	<16	<19	50	<43

ID	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes
SVP-4	5	4,700	110	<19	300	150

ID	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes
SVP-4A	2.3	5,300,000	<4,000	<4,700	<5,400	<11,000

ID	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes
SVP-8	2.3	<3,800	<16	<19	<22	<43

EXPLANATION

- SVP-9 — Proposed near sub-slab soil vapor probe location
- SVE-1 — Soil vapor extraction well location
- SVP-1 — Soil vapor probe location
- AS-1 — Air sparge well location
- P-1A — Piezometer location
- P-1B — Deeper piezometer location
- EW-1 — Extraction well location
- MW-3 — Monitoring well location
- MW-1B — Deeper monitoring well location
- MW-1 — Destroyed well location
- Dispenser number
- Product piping (P)
- Water line (W)
- Electrical line (E)
- Telecommunication line (T)
- Gas line (G)
- Storm drain line (STM)
- Sanitary sewer line (SAN)

PORTOFINO CIRCLE
PORTOFINO DRIVE
150TH AVENUE
FREEDOM AVENUE
I-580
Brick Sound Wall
Residential
Residential (Townhouses)
Private (Gated Driveway)
Shell Station
1784 150th Ave.
Former Dispenser Island
Dispenser Islands
USTs
Service Bays
Convenience Store
Air compr.
Parking Lot
Denny's Restaurant
15015 Freedom Ave.
Storm Drain
Manhole (MH, typ.)
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9
SB-25/ MW-13
SB-24/MW-12
MW-10
MW-11
MW-2
MW-3
MW-1
MW-1A
MW-1B
MW-2B
P-4B
P-4A
AS-1
P-3A
P-3B
EW-2
SVE-1
SVP-1
SVP-2
SVP-3
SVP-4
SVP-4A
SVP-5
SVP-5A
SVP-6
SVP-7
SVP-8
SVP-9
SVP-10
EW-1
P-1B
P-1A
P-2B
P-2A

0 20 40 80
Scale (ft)

FIGURE
2

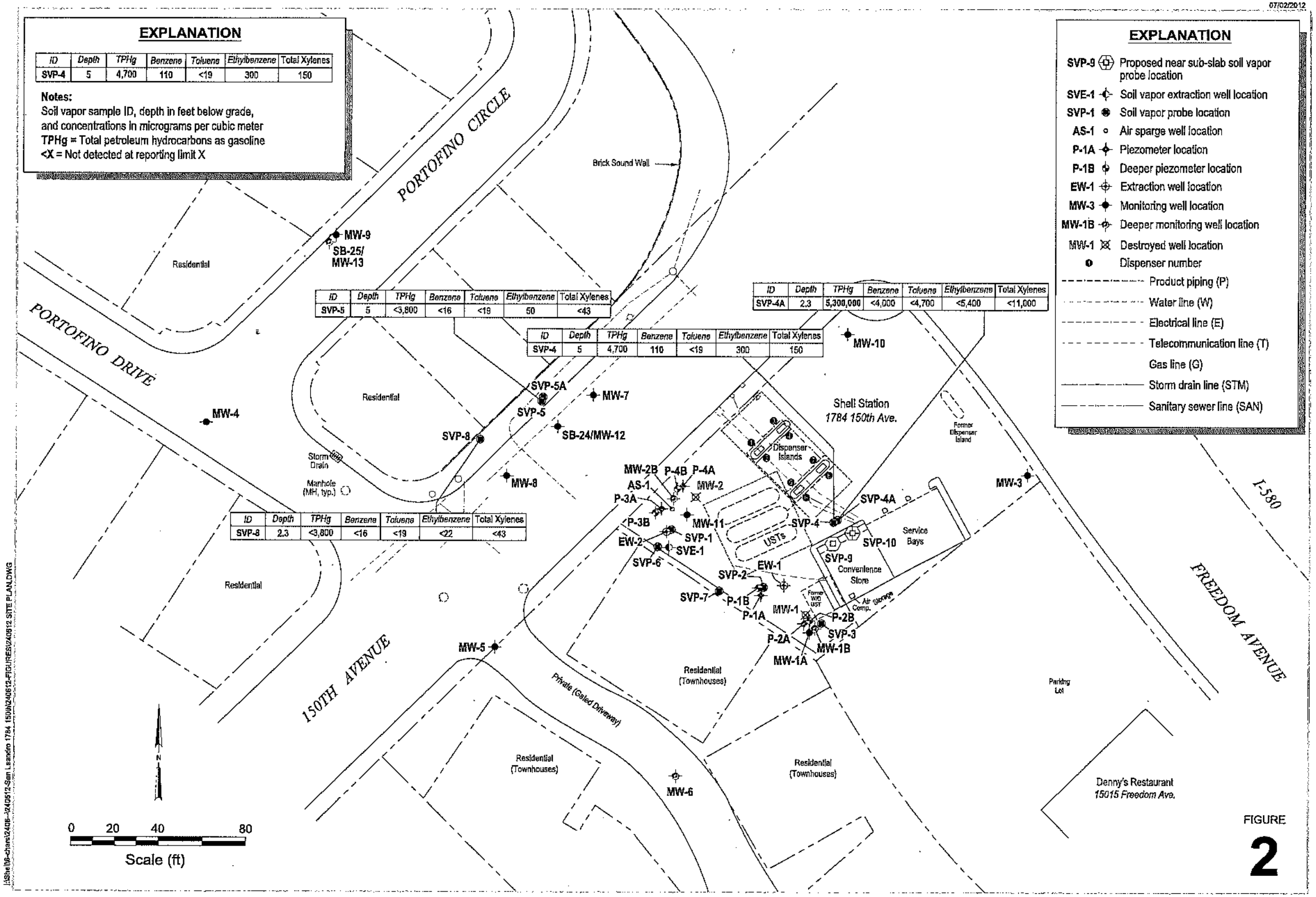
Soil Vapor Concentration Map
May 30, 2012

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

CONESTOGA-ROVERS & ASSOCIATES

J:\Shell\Active\2409--1240612\San Leandro (1784 150th)\240612-FIGURES\240612 SITE PLAN.DWG

07/02/2012


EXPLANATION
Notes:
Soil vapor sample ID, depth in feet below grade, and concentrations in micrograms per cubic meter
TPHg = Total petroleum hydrocarbons as gasoline
<X = Not detected at reporting limit X
EXPLANATION
SVP-9 Proposed near sub-slab soil vapor probe location
SVE-1 Soil vapor extraction well location
SVP-1 Soil vapor probe location
AS-1 Air sparge well location
P-1A Piezometer location
P-1B Deeper piezometer location
EW-1 Extraction well location
MW-3 Monitoring well location
MW-1B Deeper monitoring well location
MW-1 Destroyed well location
Dispenser number
Product piping (P)
Water line (W)
Electrical line (E)
Telecommunication line (T)
Gas line (G)
Storm drain line (STM)
Sanitary sewer line (SAN)
PORTOFINO CIRCLE
PORTOFINO DRIVE
150TH AVENUE
FREEDOM AVENUE
I-580
Brick Sound Wall
Residential
Residential (Townhouses)
Shell Station
1784 150th Ave.
Dispenser Islands
Former Dispenser Island
USTs
Convenience Store
Service Bays
Air Comp.
Storage
Former W/O UST
Storm Drain
Manhole (MH, typ.)
Private (Gated Driveway)
Parking Lot
Denny's Restaurant
15015 Freedom Ave.
MW-1
MW-1A
MW-1B
MW-2
MW-2B
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9
MW-10
MW-11
SB-25/MW-13
SB-24/MW-12
SVP-1
SVP-2
SVP-3
SVP-4
SVP-4A
SVP-5
SVP-5A
SVP-6
SVP-7
SVP-8
SVP-9
SVP-10
SVE-1
AS-1
EW-1
EW-2
P-1A
P-1B
P-2A
P-2B
P-3A
P-3B
P-4A
P-4B
N
0 20 40 80
Scale (ft)

ID	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes
SVP-4	5	4,700	110	<19	300	150

ID	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes
SVP-5	5	<3,800	<16	<19	50	<43

ID	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes
SVP-4A	2.3	5,300,000	<4,000	<4,700	<5,400	<11,000

ID	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes
SVP-4	5	4,700	110	<19	300	150

ID	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes
SVP-8	2.3	<3,800	<16	<19	<22	<43

Soil Vapor Concentration Map

May 30, 2012

CONESTOGA-ROVERS & ASSOCIATES

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

FIGURE
2

I:\Shell\8-chars\2408--\240612-San Leandro 1784 150th\240612-FIGURES\240612 SITE PLAN.DWG

11/08/07

Site Plan

EXPLANATION

- CPT-1 — CPT location (CRA, 8/29-30/07)
- B-1 — Soil boring location (CRA, 9/14/07)
- SVP-1 — Soil vapor probe location (CRA, 8/28/07)
- WO-1-6.5 — Soil sample location (Cambria, 5/25/06)
- S-19 — Soil boring location (Cambria, 5/23-25/06)
- MW-4 — Monitoring well location
- MW-6 — Monitoring well location
- D-1-5.0 — Soil sample location (Cambria, 04/05/05)
- D-1-3.5 — Soil sample location (Cambria, 03/22/05)
- SB-17 — Soil boring location (Cambria, 9/04)
- SB-10 — Soil boring location (Cambria, 6/03)
- SB-9 — Soil boring location (Cambria, 10/02)
- SVS-11 — Soil boring location (Cambria, 11/98)
- SVS-1 — Soil boring location (Cambria, 7/96)
- BH-7 — Soil boring location (Weiss, 3/95)
- A — Dispenser soil sample location (Weiss, 3/95)
- BH-1 — Soil boring location (Weiss, 6/94)
- ❶ — Dispenser number
- Product piping
- A — A' Cross-section line

I-580

I-580 OFF-RAMP

FREEDOM AVENUE

BH-1 located 215' SE

BH-6 located 360' SE

BH-4

BH-2

brick sound wall

PORTOFINO CIRCLE

PORTOFINO DRIVE

150TH AVENUE

Former Dispenser Island

Shell Station
1784 150th Ave.

Station Building

parking lot

Denny's Restaurant
15015 Freedom Ave.

USTs

air comp.

Former W/O UST

Residential

Residential (Townhouses)

Private (Gated Driveway)

MH

BH-3

BH-8

BH-9

SB-9 SB-10 SB-11 SB-12 SB-13 SB-14 SB-15 SB-16 SB-17 SB-18 SB-19 SB-20 SB-21 SB-22 SB-23

SB-25/MW-13

SB-24/MW-12

MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7 MW-8 MW-9 MW-10 MW-11

CPT-1 CPT-2 CPT-3 CPT-5 CPT-6

SVP-1 SVP-2 SVP-3 SVP-4 SVP-5

SVS-1 SVS-2 SVS-3 SVS-4 SVS-5 SVS-6 SVS-7 SVS-8 SVS-9 SVS-10 SVS-11 SVS-12 SVS-13 SVS-14 SVS-15 SVS-16

WO-1-6.5

P-1-2.5, P-1-5.0 P-2-3.5, P-2-5.0 P-3-3.0 P-4-2.5, P-4-5.0

D-1-3.5 D-1-5.0 D-2-3.5 D-2-5.0 D-3-3.5 D-4-3.5 D-4-5.0

A A' B B' C C' D D'

0 20 40 80

Scale (ft)

FIGURE

2

Shell-branded Service Station

1784 150th Avenue

San Leandro, California

CONESTOGA-ROVERS & ASSOCIATES

I:\SONOMA,SHELL\SAN LEANDRO 1784 150TH\FIGURES\SITE PLAN.DWG

ATTACHMENT 3

12/17/07

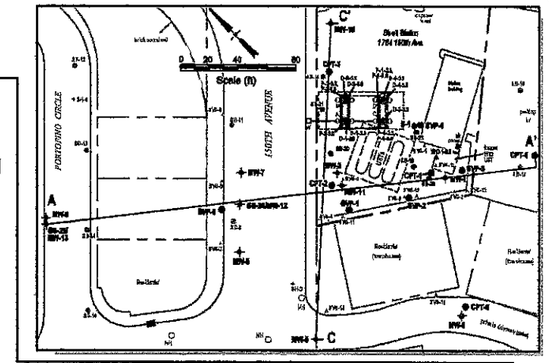
A Northwest — A' Southeast

MW-13 41.59' | MW-9 41.65' (4'SW) | SB-14 NS (7'NE) | MW-12 44.10' (2'NE) | PL | CPT-2 NS (1'SW) | MW-2 45.79' (12'SW) | MW-11 45.58' (3'SW) | Shell Station 1784 150th Ave. | SB-19 NS (10'SW) | SB-22 NS (1'SW) | CPT-1 NS (2'SW) | MW-1 49.10' | PL | parking lot | SB-17 NS (1'SW) | CPT-5 NS (8'SW)

PORTOFINO CIRCLE | Residential | 150th AVENUE | sidewalk | FORMER W/O UST PIT | UST PIT | Groundwater Flow Direction

Elevation, in feet above mean sea level

Approximate depth in feet below grade



EXPLANATION

- Well ID – Well Designation
- Elev. – TOC Elevation, in feet above msl (NS = Not Surveyed)
- (offset) – Offset distance and direction to cross-section line
- Groundwater Monitoring Well or Soil Boring
- Well Screen Interval
- Bottom of boring
- Approximate Soil Sample Location
- Interval of Discrete Soil Sample Results (Grouped for Clarity)
- NA – Not analyzed
- ND – TPHg, benzene, and MTBE all not detected
- TPHg / Benzene / MTBE – Concentrations in Soil, in mg/kg; (MTBE analyzed by EPA Method 8020 in parentheses, all others by EPA Method 8260 or NA)
- TPHg / Benzene / MTBE – Concentrations in Groundwater, in µg/L (09/11/07)
- Depth of Groundwater (09/11/07)
- Inferred Potentiometric Surface
- Grab Groundwater Sample Depth
- (6/28/00) – Depth and Date of First Encountered Groundwater
- CPT Groundwater Sampling Interval and Concentrations, in µg/L (08/29-31/07)
- N/R – No Recovery
- = Fine-Grained Soils
- = Coarse-Grained Soils
- = Fill (Tank Pit)

Scale (ft): 0, 10, 20

FIGURE 3

Geologic Cross Section A-A'

Shell-branded Service Station

1784 150th Avenue
San Leandro, California

CONESTOGA-ROVERS & ASSOCIATES

I:\SONOMA-SHELL\SAN LEANDRO 1784 150th\FIGURES\X-SECT A-A'.DWG

12/17/07

Geologic Cross Section C-C'

C — Southwest — C'

Northeast

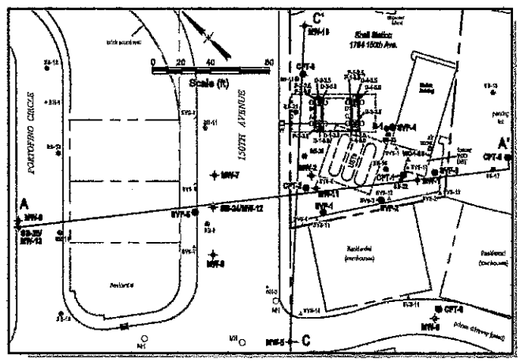
MW-5 41.46' | SVS-14 NS (6'NW) | SVS-11 NS (15'NW) | CPT-2 NS (6'NW) | MW-11 45.58' (13'NW) | MW-2 45.79' (10'NW) | SB-20 NS (4'NW) | SB-21 NS (3'SE) | SB-15 NS (4'SE) | CPT-3 NS | MW-10 50.64'

PRIVATE DRIVEWAY

PL

Elevation, in feet above mean sea level

Approximate depth in feet below grade



EXPLANATION

- = Fine-Grained Soils
- = Coarse-Grained Soils
- Approximate Soil Sample Location
- Interval of Discrete Soil Sample Results (Grouped for Clarity)
- NA — Not analyzed
- ND — TPHg, benzene, and MTBE all not detected
- TPHg / Benzene / MTBE — Concentrations in Soil, in mg/kg; (MTBE analyzed by EPA Method 8020 in parentheses, all others by EPA Method 8260 or NA)

- Well ID — Well Designation
- Elev. — TOC Elevation, in feet above msl (NS = Not Surveyed)
- (offset) — Offset distance and direction to cross-section line
- Groundwater Monitoring Well or Soil Boring
- Well Screen Interval
- Bottom of boring
- TPHg / Benzene / MTBE — Concentrations in Groundwater, in µg/L (09/11/07)
- Depth of Groundwater (09/11/07)
- Inferred Potentiometric Surface
- Grab Groundwater Sample Depth
- (6/26/00) — Depth and Date of First Encountered Groundwater
- <50 / <0.50 / <1.0 — CPT Groundwater Sampling Interval and Concentrations, in µg/L (08/29-31/07)
- N/R — No Recovery

Scale (ft): 0 — 20 — 10

FIGURE 4

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

CONESTOGA-ROVERS & ASSOCIATES

H:\SONOMA\SHELL\SAN LEANDRO 1784 150th\FIGURES\X-SECT C-C'.DWG

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1784 150TH STREET, SAN LEANDRO, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol	TOG	Lead
Waste Oil Tank Removal																		
#1	11/7/1986	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	196	—
#2	11/11/1986	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	167.4	—
) Monitoring Well Installation																		
/-1/BH-A[a,b]	3/5/1990	5	<1	<0.0025	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	<0.002	—	—	<50	—
/-1/BH-A[a,b]	3/5/1990	15.7	<1	<0.0025	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	<0.002	—	—	<50	—
/-1/BH-A[a,b,c]	3/5/1990	24.7	<1	0.020	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	<0.002	—	—	<50	—
/-1/BH-A[a,]	3/5/1990	29.2	35	0.23	0.20	<0.0025	0.64	—	—	—	—	—	—	0.0064	—	—	<50	—
/-1/BH-A[a,b]	3/5/1990	41.2	<1	<0.0025	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	<0.002	—	—	<50	—
2 MonitoringWell Installations																		
V-2/BH-B[b]	2/4/1992	11.5	<1	0.0026	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	<0.002	—	—	—	—
V-2/BH-B	2/4/1992	16.5	<1	0.0058	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	—	—	—	—	—
V-2/BH-B[b,d]	2/4/1992	21.5	79	0.20	0.60	1.0	4.1	—	—	—	—	—	—	<0.002	—	—	—	—
V-2/BH-B	2/4/1992	26.5	74	0.59	0.91	1.5	3.9	—	—	—	—	—	—	—	—	—	—	—
V-3/BH-C[b]	2/5/1992	11.5	<1	0.0042	0.0029	0.0039	<0.0025	—	—	—	—	—	—	<0.002	—	—	—	—
V-3/BH-C[b]	2/5/1992	21.5	<1	<0.0025	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	<0.002	—	—	—	—
V-3/BH-C[b,e]	2/5/1992	26.5	3.9	<0.0025	<0.0025	<0.0025	0.0054	—	—	—	—	—	—	<0.002	—	—	—	—
V-3/BH-C	2/5/1992	31.5	68	<0.05	<0.05	<0.05	0.17	—	—	—	—	—	—	—	—	—	—	—
94 Subsurface Investigation																		
H-1-21	6/6/1994	21	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—	—	—
H-2-20	6/6/1994	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—	—	—
H-3-16[f]	6/6/1994	16	<1.0	0.013	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—	—	—
H-4-20.6	6/7/1994	20.6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—	—	—
H-5-15.6	6/7/1994	15.6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—	—	—
H-6-20.5	6/7/1994	20.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—	—	—
95 Monitoring Well Installation																		
H-7-15.8	2/14/1995	15.8	<1.0	<0.0025	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	—	—	—	—	—
H-8-16.0	2/14/1995	16	<1.0	<0.0025	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	—	—	—	—	—
H-9-19.5	2/14/1995	19.5	<1.0	<0.0025	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	—	—	—	—	—
W-4/BH-10-15.2	3/3/1995	15.2	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—	—	—

ATTACHMENT 4

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1784 150TH STREET, SAN LEANDRO, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol	TOG	Lead
1996 Subsurface Investigation																		
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	—	—	—	—	—	—	—	—	—	—
1997 Dispenser and Turbine Pump Upgrades																		
Disp-A	12/4/1997	2	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	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	190	1.8	2.1	3.6	20	1.4	—	—	—	—	—	—	—	—	—	—
Disp-C, 4.5[8]	12/4/1997	4.5	590	<0.5	0.98	2.3	3.1	<0.5	—	—	—	—	—	—	—	—	—	—
Disp-D	12/4/1997	2	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	—	—	—	—	—	—	—	—	—	—
1998 Subsurface Investigation																		
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	—	—	—	—	—	—	—	—	—	—

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1784 150TH STREET, SAN LEANDRO, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol	TOG	Lead
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	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—
2001 Monitoring Well Installation																		
MW-5-15.5	10/24/2001	15.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
MW-6-5.5	10/24/2001	5.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	0.012	—	—	—	—	—	—	—	—	—
2002 Monitoring Well Installation																		
MW7@5'	10/3/2002	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.5	—	—	—	—	—	—	—	—	—
MW7@10'	10/3/2002	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.5	—	—	—	—	—	—	—	—	—
MW7@15'	10/3/2002	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.5	—	—	—	—	—	—	—	—	—
MW7@20'	10/3/2002	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.5	—	—	—	—	—	—	—	—	—
MW7@25'	10/3/2002	25	11	<0.0050	0.0060	0.086	0.13	—	<0.5	—	—	—	—	—	—	—	—	—
MW7@30'	10/3/2002	30	68	<0.025	0.19	0.89	3.7	—	<0.5	—	—	—	—	—	—	—	—	—
MW7@32'	10/3/2002	32	1.2	<0.0050	0.0069	0.025	0.11	—	<0.5	—	—	—	—	—	—	—	—	—
MW8@5'	10/4/2002	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.5	—	—	—	—	—	—	—	—	—
MW8@10'	10/4/2002	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.5	—	—	—	—	—	—	—	—	—
MW8@15'	10/4/2002	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.5	—	—	—	—	—	—	—	—	—

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1784 150TH STREET, SAN LEANDRO, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol	TOG	Lead
Waste Oil Tank Removal																		
#1	11/7/1986	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	196	—
#2	11/11/1986	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	167.4	—
) Monitoring Well Installation																		
/-1/BH-A[a,b]	3/5/1990	5	<1	<0.0025	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	<0.002	—	—	<50	—
/-1/BH-A[a,b]	3/5/1990	15.7	<1	<0.0025	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	<0.002	—	—	<50	—
/-1/BH-A[a,b,c]	3/5/1990	24.7	<1	0.020	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	<0.002	—	—	<50	—
/-1/BH-A[a,]	3/5/1990	29.2	35	0.23	0.20	<0.0025	0.64	—	—	—	—	—	—	0.0064	—	—	<50	—
/-1/BH-A[a,b]	3/5/1990	41.2	<1	<0.0025	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	<0.002	—	—	<50	—
2 MonitoringWell Installations																		
V-2/BH-B[b]	2/4/1992	11.5	<1	0.0026	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	<0.002	—	—	—	—
V-2/BH-B	2/4/1992	16.5	<1	0.0058	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	—	—	—	—	—
V-2/BH-B[b,d]	2/4/1992	21.5	79	0.20	0.60	1.0	4.1	—	—	—	—	—	—	<0.002	—	—	—	—
V-2/BH-B	2/4/1992	26.5	74	0.59	0.91	1.5	3.9	—	—	—	—	—	—	—	—	—	—	—
V-3/BH-C[b]	2/5/1992	11.5	<1	0.0042	0.0029	0.0039	<0.0025	—	—	—	—	—	—	<0.002	—	—	—	—
V-3/BH-C[b]	2/5/1992	21.5	<1	<0.0025	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	<0.002	—	—	—	—
V-3/BH-C[b,e]	2/5/1992	26.5	3.9	<0.0025	<0.0025	<0.0025	0.0054	—	—	—	—	—	—	<0.002	—	—	—	—
V-3/BH-C	2/5/1992	31.5	68	<0.05	<0.05	<0.05	0.17	—	—	—	—	—	—	—	—	—	—	—
94 Subsurface Investigation																		
H-1-21	6/6/1994	21	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—	—	—
H-2-20	6/6/1994	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—	—	—
H-3-16[f]	6/6/1994	16	<1.0	0.013	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—	—	—
H-4-20.6	6/7/1994	20.6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—	—	—
H-5-15.6	6/7/1994	15.6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—	—	—
H-6-20.5	6/7/1994	20.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—	—	—
95 Monitoring Well Installation																		
H-7-15.8	2/14/1995	15.8	<1.0	<0.0025	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	—	—	—	—	—
H-8-16.0	2/14/1995	16	<1.0	<0.0025	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	—	—	—	—	—
H-9-19.5	2/14/1995	19.5	<1.0	<0.0025	<0.0025	<0.0025	<0.0025	—	—	—	—	—	—	—	—	—	—	—
W-4/BH-10-15.2	3/3/1995	15.2	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—	—	—

ATTACHMENT 4

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1784 150TH STREET, SAN LEANDRO, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol	TOG	Lead
1996 Subsurface Investigation																		
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	—	—	—	—	—	—	—	—	—	—
1997 Dispenser and Turbine Pump Upgrades																		
Disp-A	12/4/1997	2	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	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	190	1.8	2.1	3.6	20	1.4	—	—	—	—	—	—	—	—	—	—
Disp-C, 4.5[8]	12/4/1997	4.5	590	<0.5	0.98	2.3	3.1	<0.5	—	—	—	—	—	—	—	—	—	—
Disp-D	12/4/1997	2	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	—	—	—	—	—	—	—	—	—	—
1998 Subsurface Investigation																		
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	—	—	—	—	—	—	—	—	—	—

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1784 150TH STREET, SAN LEANDRO, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol	TOG	Lead
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	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—
2001 Monitoring Well Installation																		
MW-5-15.5	10/24/2001	15.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
MW-6-5.5	10/24/2001	5.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	0.012	—	—	—	—	—	—	—	—	—
2002 Monitoring Well Installation																		
MW7@5'	10/3/2002	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.5	—	—	—	—	—	—	—	—	—
MW7@10'	10/3/2002	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.5	—	—	—	—	—	—	—	—	—
MW7@15'	10/3/2002	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.5	—	—	—	—	—	—	—	—	—
MW7@20'	10/3/2002	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.5	—	—	—	—	—	—	—	—	—
MW7@25'	10/3/2002	25	11	<0.0050	0.0060	0.086	0.13	—	<0.5	—	—	—	—	—	—	—	—	—
MW7@30'	10/3/2002	30	68	<0.025	0.19	0.89	3.7	—	<0.5	—	—	—	—	—	—	—	—	—
MW7@32'	10/3/2002	32	1.2	<0.0050	0.0069	0.025	0.11	—	<0.5	—	—	—	—	—	—	—	—	—
MW8@5'	10/4/2002	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.5	—	—	—	—	—	—	—	—	—
MW8@10'	10/4/2002	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.5	—	—	—	—	—	—	—	—	—
MW8@15'	10/4/2002	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.5	—	—	—	—	—	—	—	—	—

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1784 150TH STREET, SAN LEANDRO, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol	TOG	Lead
MW8@20'	10/4/2002	20	1.2	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.5	—	—	—	—	—	—	—	—	—
MW8@25'	10/4/2002	25	140	0.072	0.15	1.5	5.8	—	<0.5	—	—	—	—	—	—	—	—	—
SB9@22	10/4/2002	22	1.1	<0.0050	<0.0050	0.016	0.088	—	<0.5	—	—	—	—	—	—	—	—	—
2003 Subsurface Investigation																		
SB-10-10'	6/23/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-10-20'	6/23/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-10-22'	6/23/2003	22	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-10-25'	6/23/2003	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-10-30	6/23/2003	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-10-37'	6/23/2003	37	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-10-39.5'	6/23/2003	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-11-10'	6/24/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-11-15'	6/24/2003	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-11-20'	6/24/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-11-24'	6/24/2003	24	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-11-28'	6/24/2003	28	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-11-30'	6/24/2003	30	650	<0.50	<0.50	3.5	9.9	—	<0.50	—	—	—	—	—	—	—	—	—
SB-12-10'	6/24/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-12-20'	6/24/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-12-25'	6/24/2003	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-12-30'	6/24/2003	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-12-35'	6/24/2003	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-12-39.5'	6/24/2003	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-13-10'	6/23/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-13-20'	6/23/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-13-24'	6/23/2003	24	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-13-30'	6/23/2003	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-13-35'	6/23/2003	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-13-39.5'	6/23/2003	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-14-10'	6/24/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1784 150TH STREET, SAN LEANDRO, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol	TOG	Lead
MW8@20'	10/4/2002	20	1.2	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.5	—	—	—	—	—	—	—	—	—
MW8@25'	10/4/2002	25	140	0.072	0.15	1.5	5.8	—	<0.5	—	—	—	—	—	—	—	—	—
SB9@22	10/4/2002	22	1.1	<0.0050	<0.0050	0.016	0.088	—	<0.5	—	—	—	—	—	—	—	—	—
2003 Subsurface Investigation																		
SB-10-10'	6/23/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-10-20'	6/23/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-10-22'	6/23/2003	22	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-10-25'	6/23/2003	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-10-30	6/23/2003	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-10-37'	6/23/2003	37	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-10-39.5'	6/23/2003	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-11-10'	6/24/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-11-15'	6/24/2003	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-11-20'	6/24/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-11-24'	6/24/2003	24	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-11-28'	6/24/2003	28	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-11-30'	6/24/2003	30	650	<0.50	<0.50	3.5	9.9	—	<0.50	—	—	—	—	—	—	—	—	—
SB-12-10'	6/24/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-12-20'	6/24/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-12-25'	6/24/2003	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-12-30'	6/24/2003	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-12-35'	6/24/2003	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-12-39.5'	6/24/2003	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-13-10'	6/23/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-13-20'	6/23/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-13-24'	6/23/2003	24	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-13-30'	6/23/2003	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-13-35'	6/23/2003	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-13-39.5'	6/23/2003	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
SB-14-10'	6/24/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1784 150TH STREET, SAN LEANDRO, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol	TOG	Lead
;B-14-20'	6/24/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
;B-14-24'	6/24/2003	24	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
;B-14-30'	6/24/2003	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
;B-14-35'	6/24/2003	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
;B-14-39.5'	6/24/2003	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
;B-15-10'	6/26/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
;B-15-15'	6/26/2003	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
;B-15-20'	6/26/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
;B-15-22.5'	6/26/2003	22.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
;B-15-35'	6/26/2003	35	1.4	0.10	<0.0050	0.030	0.0055	—	<0.0050	—	—	—	—	—	—	—	—	—
;B-16-10'	6/23/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
;B-16-20'	6/23/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
;B-16-24'	6/23/2003	24	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
;B-16-28'	6/23/2003	28	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
;B-16-35'	6/23/2003	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
;B-16-39.5'	6/23/2003	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
003 Monitoring Well Installation																		
MW-9-5'	11/19/2003	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
MW-9-10'	11/19/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
MW-9-15'	11/19/2003	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
MW-9-20'	11/19/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
MW-9-25'	11/19/2003	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
MW-9-30'	11/19/2003	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
MW-9-35'	11/19/2003	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
MW-10-5'	11/20/2003	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
MW-10-10'	11/20/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
MW-10-15'	11/20/2003	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
MW-10-20'	11/20/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
MW-10-25'	11/20/2003	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
MW-10-30'	11/20/2003	30	14	<0.023	<0.023	<0.023	<0.023	—	<0.023	—	—	—	—	—	—	—	—	—
MW-10-31.5'	11/20/2003	31.5	230	<0.50	<0.50	2.2	1.5	—	<0.50	—	—	—	—	—	—	—	—	—

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1784 150TH STREET, SAN LEANDRO, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol	TOG	Lead
MW-11-5'	11/20/2003	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
MW-11-10'	11/20/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
MW-11-15'	11/20/2003	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	—	—	—	—	—	—	—	—	—
MW-11-20'	11/20/2003	20	1.8	<0.0050	<0.0050	0.0084	0.013	—	0.039	—	—	—	—	—	—	—	—	—
MW-11-24.5'	11/20/2003	24.5	330	<0.50	1.6	4.8	29	—	1.4	—	—	—	—	—	—	—	—	—
2004 Subsurface Investigation																		
SB-17-5'	9/13/2004	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1	—	—
SB-17-10'	9/13/2004	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1	—	—
SB-17-15'	9/13/2004	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1	—	—
SB-17-20'	9/13/2004	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1	—	—
SB-17-25'	9/13/2004	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1	—	—
SB-17-35.5'	9/13/2004	35.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1	—	—
SB-18-5'	9/13/2004	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1	—	—
SB-18-10'	9/13/2004	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1	—	—
SB-18-15'	9/13/2004	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1	—	—
SB-18-20'	9/13/2004	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1	—	—
SB-18-25'	9/13/2004	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1	—	—
SB-18-30'	9/13/2004	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1	—	—
2005 Dispenser Upgrades																		
D-1-3.5	3/22/2005	3.5	460	0.76	0.17	16	8.1	—	0.18	<0.25	<0.050	<0.050	<0.050	<0.050	<0.050	—	—	75.7
D-1-5.0	4/4/2005	5	330	<0.50	0.75	3.2	0.91	—	<0.50	—	—	—	—	—	—	—	—	—
D-2-3.5	3/22/2005	3.5	1,400	1.6	75	18	170	—	0.066	<0.15	<0.25	<0.25	<0.25	<0.25	<0.25	—	—	2.06
D-2-5.0	4/4/2005	5	<50	<0.50	<0.50	<0.50	0.95	—	<0.50	—	—	—	—	—	—	—	—	—
D-3-3.5	3/22/2005	3.5	30	0.78	0.24	1.8	2.7	—	0.053	0.023	<0.050	<0.050	<0.050	<0.050	<0.050	—	—	5.19
D-4-3.5	3/22/2005	3.5	110	0.52	6.3	1.3	10	—	0.028	<0.25	<0.050	<0.050	<0.050	<0.050	<0.050	—	—	1.89
D-4-5.0	4/4/2005	5	290	<0.50	<0.50	6.3	3.6	—	<0.50	—	—	—	—	—	—	—	—	—
P-1-2.5	4/4/2005	2.5	<50	<0.50	<0.50	<0.50	0.87	—	<0.50	—	—	—	—	—	—	—	—	—
P-1-5.0	4/4/2005	5	69	<0.50	<0.50	1.1	5.0	—	<0.50	—	—	—	—	—	—	—	—	—
P-2-3.5	4/4/2005	3.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	0.013	—	—	—	—	—	—	—	—	—
P-2-5.0	4/4/2005	5	85	<0.50	<0.50	0.84	0.50	—	<0.50	—	—	—	—	—	—	—	—	—
P-3-3.0	4/4/2005	3	2,300	<1.0	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	—	—	—
P-4-2.5	4/4/2005	2.5	3,700	11	83	42	280	—	<1.0	—	—	—	—	—	—	—	—	—

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1784 150TH STREET, SAN LEANDRO, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol	TOG	Lead
-4-5.0	4/4/2005	5	4,100	10	23	48	240	—	<2.5	—	—	—	—	—	—	—	—	—
006 Subsurface Investigation																		
B-19-5	5/23/2006	5	<0.100	0.00270	<0.00200	<0.00200	<0.00500	—	<0.00200	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-19-10	5/24/2006	10	0.454	0.0155	0.00411	<0.00200	<0.00500	—	0.0117	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-19-15	5/24/2006	15	<0.100	0.00355	<0.00200	<0.00200	<0.00500	—	0.00473	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-19-19.5	5/24/2006	19.5	<0.100	0.00517	<0.00200	<0.00200	<0.00500	—	0.00236	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-19-25	5/24/2006	25	<0.100	0.01960	0.00643	<0.00200	0.00619	—	0.00406	0.0668	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-19-28.5	5/24/2006	28.5	993	0.239	<0.100	8.52	34.6	—	1.09	<2.50	<0.250	<0.100	<0.100	<0.100	<0.100	—	—	—
B-20-5	5/23/2006	5	61.1	0.0174	0.00952	0.00798	0.0170	—	<0.00200	0.0740	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-20-10	5/25/2006	10	3.48	0.0286	0.00982	<0.00200	<0.00500	—	<0.00200	0.0727	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-20-16.5	5/25/2006	16.5	1.27	0.00388	<0.00200	<0.00200	0.00576	—	0.00254	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-20-23.5	5/25/2006	23.5	692	0.0265	0.0772	6.48	39.1	—	0.142	0.177	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-21-5	5/23/2006	5	0.379	0.0133	0.00301	<0.00200	<0.00500	—	0.00520	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-21-10	5/24/2006	10	0.881	0.0273	0.0102	<0.00200	<0.00500	—	0.00347	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-21-15	5/24/2006	15	<0.100	0.00813	0.00286	<0.00200	<0.00500	—	<0.00200	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-21-20	5/24/2006	20	<0.100	0.00947	0.00330	<0.00200	<0.00500	—	0.00457	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-21-27.5	5/24/2006	27.5	635	0.0759	2.20	5.46	27.5	—	0.00963	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-22-5	5/23/2006	5	<0.100	0.00309	<0.00200	<0.00200	<0.00500	—	<0.00200	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-22-10	5/25/2006	10	<0.100	0.00292	<0.00200	<0.00200	<0.00500	—	<0.00200	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-22-15	5/25/2006	15	<0.100	0.00898	0.00279	<0.00200	<0.00500	—	<0.00200	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-22-20	5/25/2006	20	<0.100	0.00322	<0.00200	<0.00200	<0.00500	—	<0.00200	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-22-25	5/25/2006	25	0.127	0.00628	0.00226	<0.00200	<0.00500	—	<0.00200	0.0660	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-22-29.5	5/25/2006	29.5	7.23	0.0171	<0.00200	0.169	0.167	—	0.00334	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-23-5	5/23/2006	5	517	0.0654	0.100	3.34	7.71	—	<0.00200	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-23-10	5/24/2006	10	114	1.49	0.0582	1.22	0.468	—	0.00731	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-23-15	5/24/2006	15	102	0.458	0.0127	0.790	0.948	—	0.0118	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-23-20	5/24/2006	20	215	0.0154	0.00805	0.986	5.26	—	0.0490	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
B-23-25	5/24/2006	25	1,060	0.498	4.77	8.99	54.3	—	<0.100	<2.50	<0.250	<0.100	<0.100	<0.100	<0.100	—	—	—
B-23-29.5	5/24/2006	29.5	526	0.716	5.71	4.80	27.9	—	0.326	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
MW-12/SB-24-5	5/23/2006	5	2.39	0.0624	0.00307	<0.00200	<0.00500	—	<0.00200	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—

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HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1784 150TH STREET, SAN LEANDRO, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol	TOG	Lead
MW-12/SB-24-10	5/26/2006	10	<0.100	0.0241	0.00776	<0.00200	<0.00500	—	<0.00200	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
MW-12/SB-24-15	5/26/2006	15	<0.100	0.00479	<0.00200	<0.00200	<0.00500	—	<0.00200	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
MW-12/SB-24-20	5/26/2006	20	0.288	0.0134	0.00609	<0.00200	<0.00500	—	<0.00200	<0.0500	<0.00500	<0.00200	<0.00200	<0.00200	<0.00200	—	—	—
MW-12/SB-24-24	5/26/2006	24	848	1.38	8.16	8.10	41.5	—	<0.100	<2.50	<0.250	<0.100	<0.100	<0.100	<0.100	—	—	—
007 Subsurface Investigation																		
VP-1-4.5'	8/28/2007	4.5	<0.50[i]	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	—	—	—
VP-2-4.5'	8/28/2007	4.5	<0.50[i]	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	—	—	—
VP-3-4.5'	8/28/2007	4.5	<0.50[i]	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	—	—	—
VP-4-4.5'	8/28/2007	4.5	150[h,i]	<0.12	0.24	3.8	12.13	—	<0.12	<12	<0.25	<0.25	<0.25	<0.12	<0.12	—	—	—
VP-5-4.5'	8/28/2007	4.5	<0.50[i]	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	—	—	—
B-1-5	9/14/2007	5	55[i]	<0.12	<0.12	0.27	1.0		<0.12	—	—	—	—	<0.12	<0.12	—	—	—
B-1-10	9/14/2007	10	24[i]	0.28	0.0094	0.13	0.1156	—	<0.0050	—	—	—	—	<0.0050	<0.0050	—	—	—
B-1-15	9/14/2007	15	6.6[i]	0.038	<0.0050	0.17	0.19	—	<0.0050	—	—	—	—	<0.0050	<0.0050	—	—	—
B-1-17	9/14/2007	17	160[i]	<0.12	<0.12	1.7	6.53	—	<0.12	—	—	—	—	<0.12	<0.12	—	—	—
B-1-20	9/14/2007	20	550[i]	<0.62	<0.62	6.0	30.6	—	<0.62	—	—	—	—	<0.62	<0.62	—	—	—
B-1-25	9/14/2007	25	310[i]	0.38	<0.12	3.5	11.8	—	<0.12	—	—	—	—	<0.12	<0.12	—	—	—
B-1-29.5	9/14/2007	29.5	1,100[i]	4.1	15	19	112	—	<0.62	—	—	—	—	<0.62	<0.62	—	—	—
008 Subsurface Investigation																		
MW-1A@15'	9/2/2008	15	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
MW-1A@20'	9/2/2008	20	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
MW-1A@26.5'	9/2/2008	26.5	12[i]	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
-2A@10'	9/2/2008	10	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
-2A@15'	9/2/2008	15	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
W-1@7'	9/3/2008	7	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
W-1@20'	9/3/2008	20	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
W-1@30'	9/3/2008	30	570	<0.50	<0.50	11	18	—	<0.50	<5.0	<1.0	<1.0	<1.0	—	—	—	—	—
W-1@35'	9/3/2008	35	1.3	0.073	0.015	0.019	0.075	—	0.16	0.13	<0.010	<0.010	<0.010	—	—	—	—	—
-2B@29'	9/3/2008	29	150	0.045	<0.0050	2.1	5.7	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
-2B@35'	9/3/2008	35	<0.50	0.0098	<0.0050	<0.0050	<0.0050	—	0.037	0.28	<0.010	<0.010	<0.010	—	—	—	—	—

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Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol	TOG	Lead
W-2@5'	9/4/2008	5	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
W-2@10'	9/4/2008	10	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
W-2@16'	9/4/2008	16	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
W-2@20'	9/4/2008	20	<50	<0.50	<0.50	<0.50	0.90	—	<0.50	<5.0	<1.0	<1.0	<1.0	—	—	—	—	—
W-2@27'	9/4/2008	27	350	1.7	<1.0	7.2	18	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	—	—
W-2@33.5'	9/4/2008	33.5	0.55	0.091	<0.0050	0.0095	0.0099	—	0.34[j]	0.32	<0.010	<0.010	<0.010	—	—	—	—	—
-1B@7'	9/4/2008	7	<0.50	<0.0050	<0.0050	<0.0050	0.0067	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
-1B@10'	9/4/2008	10	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
-1B@15'	9/4/2008	15	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
-1B@25'	9/4/2008	25	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
-1B@30'	9/4/2008	30	490	2.0	<1.0	9.1	41	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	—	—
-1B@35.5'	9/4/2008	35.5	<0.50	0.020	0.013	0.0092	0.035	—	0.027	0.064	<0.010	<0.010	<0.010	—	—	—	—	—
-3B@5'	9/5/2008	5	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
-3B@15'	9/5/2008	15	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
-3B@20'	9/5/2008	20	150	<0.50	0.83	1.8	5.2	—	<0.50	<5.0	<1.0	<1.0	<1.0	—	—	—	—	—
-3B@27'	9/5/2008	27	990	<5.0	13	21	61	—	<5.0	<50	<10	<10	<10	—	—	—	—	—
-3B@31.5'	9/5/2008	31.5	2.2	0.71	0.050	0.065	0.21	—	0.16	0.22	<0.010	<0.010	<0.010	—	—	—	—	—
-4B@8'	9/5/2008	8	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
-4B@16'	9/5/2008	16	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
-4B@22'	9/5/2008	22	65	<0.50	<0.50	0.53	1.3	—	<0.50	<5.0	<1.0	<1.0	<1.0	—	—	—	—	—
-4B@25'	9/5/2008	25	150	<0.50	0.96	2.7	16	—	<0.50	<5.0	<1.0	<1.0	<1.0	—	—	—	—	—
-4B@32.5'	9/5/2008	32.5	<50	0.59	<0.50	<0.50	<0.50	—	0.69	<5.0	<1.0	<1.0	<1.0	—	—	—	—	—
MW-2B@30'	10/28/2008	30	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
MW-2B@37'	10/28/2008	37	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
MW-2B@44'	10/28/2008	44	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
MW-2B@49.5'	10/28/2008	49.5	<0.50	<0.0050	<0.0050	0.0052	<0.0050	—	<0.0050	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
MW-1B@44'	10/28/2008	44	<0.50	<0.0050	<0.0050	0.0052	<0.0050	—	0.016	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
MW-1B@49.5'	10/28/2008	49.5	<0.50	<0.0050	<0.0050	0.0052	<0.0050	—	0.018	<0.050	<0.010	<0.010	<0.010	—	—	—	—	—
Shallow Soil <10ft bgs ESL			100	0.27	2.3	4.7	11	8.4	8.4	110	NA	NA	NA	0.048	0.044	NA	NA	750
Deep Soil >10ft bgs ESL			100	2.0	8.3	7.5	11	8.4	8.4	110	NA	NA	NA	0.048	0.044	NA	NA	750

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1784 150TH STREET, SAN LEANDRO, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE (8020)*	*MTBE (8260)*	*TBA*	*ETBE*	*DIPE*	*TAME*	*1,2-DCA*	*EDB*	*Ethanol*	*TOG*	*Lead*

[otes:

ll results in miligrams per kilograms (mg/kg) unless otherwise indicated.
PHg = Total petroleum hydrocarbons as gasoline. Before 2001, analyzed by modified EPA Method 8015; from 2001 through present, analyzed by EPA Method 8260B unless otherwise noted.
enzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B; before2001, analyzed by EPA Method 8020.
ITBE = Methyl tertiary-butyl ether analyzed by EPA Method 8020 or EPA Method 8260 (as indicated).
BA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
IPE = Di-isopropyl ether analyzed by EPA Method 8260B
TBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
AME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
,2-DCA = 1,2-dichloroethane analyzed by EPA Method 8260B; prior to 2004, analyzed by EPA Method 8010
DB = Ethyl di-bromide, analyzed by EPA Method 8260B analyzed by EPA Method 8260B
thanol analyzed by EPA Method 8260B
OG = Total oil and grease analyzed by American Public Health Association Standard Method 503E
ead analyzed by EPA Method 6010B
)g = feet below grade
x = Not detected at reporting limit x
– = Not analyzed
IA = ESL not published

= Petroleum oil and grease analyzed by American Public Health Association Standard Method 503E; none detected.
= Analyzed for halogenated volatile organic compounds by EPA Method 8010; none detected.
= Total petroleum hydrocarbons as diesel (TPHd) and total petroleum hydrocarbons as motor oil (TPHmo) analyzed by modified EPA Method 8015; none detected.
= TPHd detected at 23 mg/kg by modified EPA Method 8015; lab characterized detected compounds as hydrocarbons lighter than diesel.
= TPHd detected at 4.9 mg/kg by modified EPA Method 8015; lab characterized detected compounds as hydrocarbons lighter than diesel.
= Analyzed for volatile organic compounds by EPA Method 8010; none detected.
= Sample saturated with perched water from beneath dispenser.
= The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantification of the unknown hydrocarbon(s) in the sample
was based upon the specified standard.
= Analyzed by EPA Method 8015B.
= Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
= San Francisco Bay Regional Water Quality Control Board commercial/industrial Environmental Screening Level for soil where groundwater is not a source of drinking water (Tables B and D of *Screening*
or Environmental Concerns at Sites With Contaminated Soil and Groundwater, California Regional Water Quality Control Board, Interim Final - November 2007 [Revised May 2008]).

Table 1. Soil Analytical Data - Shell-branded Service Station, 1784 150th Avenue, San Leandro, California

Sample ID	Date Sampled	Depth	O&G	TPHd	TPHg	BTEX	Chlorinated Hydro-carbons	OXYs	1,2-DCA	EDB	Cd	Cr	Pb	Ni	Zn	PNAs	PCP	Creosote	PCBs
		(fbg)	←							(mg/kg)									→
W0-1-6.5	25-May-06	6.5	45	4.3[a]	<1.0	<0.0050	ND	<0.0050	<0.0050	<0.0050	<0.500	25.4	7.09	19.0	58.4	ND	<2.5	<0.40	<0.50
SFBRWQCB ESLs for shallow soil where groundwater is a current or potential drinking water source (Residential Land Use)			**500**	**100**	**100**	**Varies**	**Varies**	**Varies**	**0.0045**	**0.00033**	**1.7**	**58**	**150**	**150**	**600**	**Varies**	**4.4**	**--**	**0.22**

Abbreviations and Notes:

O&G = Oil and grease by EPA Method 1664 A (Modified)

TPHd = Total petroleum hydrocarbons as diesel by EPA Method 8015 (Modified)

TPHg = Total petroleum hydrocarbons as gasoline by EPA Method 8260B

BTEX = Benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8260B

Chlorinated hydrocarbons by EPA Method 8260B; see laboratory analytical report for a complete list of specific constituents

OXYs = Methyl tertiary-butyl ether, di-isopropyl ether, ethyl tertiary-butyl ether, tertiary-amyl methyl ether, and tertiary-butanol by EPA Method 8260B

1,2-DCA = 1,2-Dichloroethane by EPA Method 8260B

EDB = 1,2-Dibromoethane by EPA Method 8260B

Cd = Cadmium by EPA Method 6010B

Cr = Chromium by EPA Method 6010B

Pb = Lead by EPA Method 6010B

Ni = Nickel by EPA Method 6010B

Zn = Zinc by EPA Method 6010B

PNAs = Polynuclear aromatics by EPA Method 8270C; see laboratory analytical report for a complete list of specific constituents

PCP = Pentachlorophenol by EPA Method 8270C

Creosote analyzed by EPA Method 8270C. It is reported as a combination of naphthalene, acenaphthylene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, 1-methylnaphthalene, and 2-methylnaphthene.

PCBs = Polychlorinated biphenyls by EPA Method 8082; see laboratory analytical report for a complete list of specific constituents

fbg = Feet below grade

mg/kg = Milligrams per kilogram (parts per million)

<x = Not detected at reporting limit x

ND = Not detected; see laboratory analytical report for constituent-specific reporting limits

-- = No applicable environmental screening level

a = Hydrocarbons reported as TPHd do not exhibit a typical Diesel chromatographic pattern. These hydrocarbons are higher boiling than typical diesel fuel.

Data in **BOLD** equals or exceeds applicable San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) environmental screening level (ESL) value

TABLE 1

HISTORICAL SOIL VAPOR ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1784 150TH AVENUE, SAN LEANDRO, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg ($\mu g/m^3$)	B ($\mu g/m^3$)	T ($\mu g/m^3$)	E ($\mu g/m^3$)	X ($\mu g/m^3$)	MTBE ($\mu g/m^3$)	Butane ($\mu g/m^3$)	Isobutane ($\mu g/m^3$)	Propane ($\mu g/m^3$)	Methane (%v)	Carbon Dioxide (%v)	Oxygen + Argon (%v)	Helium (%v)
SVP-1	9/25/2007	5	12,000	<17	7,000	120	300	<19	67 a	ND	ND	—	—	—	—
SVP-1	3/5/2008	5	<17,000	8.2	1,300	41	95	<10	ND	70.12 a	ND	—	—	—	—
SVP-1 DUP[c]	3/5/2008	5	<18,000	7.9	400	32	65	<11	ND	62.99 a	ND	—	—	—	—
SVP-1	5/20/2008	5	620	<3.9	<4.6	<5.2	<5.2	<4.4	ND	ND	ND	—	—	—	—
SVP-1	9/17/2008	5	<270	<4.2	5.7	<5.7	<5.7	<4.8	ND	ND	ND	—	—	—	—
SVP-1	1/17/2009	5	<9,800	<2.7	<3.2	<3.7	<15	<12	<20	<20	<46	—	—	—	—
SVP-1	5/6/2011	5	<7,000	<16	<19	68	99	<36	—	—	—	<0.500	1.61	12.3	0.0191
SVP-2	9/25/2007	5	760	11	90	14	56	24	ND	ND	ND	—	—	—	—
SVP-2	3/5/2008	5	<19,000	<2.7	<3.1	<3.6	<7.3	<12	ND	ND	ND	—	—	—	—
SVP-2	5/20/2008	5	830	<6.4	<7.6	<8.8	<8.8	<7.3	ND	ND	ND	—	—	—	—
SVP-2	9/17/2008	5	<240	<3.8	<4.5	<5.2	<5.2	<4.3	ND	ND	ND	—	—	—	—
SVP-2 DUP[c]	9/17/2008	5	<230	<3.6	<4.3	<5.0	<5.0	<4.1	ND	ND	ND	—	—	—	—
SVP-2	1/17/2009	5	<9,400	<2.6	<3.1	<3.6	<14	<12	<19	25	<44	—	—	—	—
SVP-2	5/6/2011	5	<7,000	<16	<19	160	220	<36	—	—	—	<0.500	6.73	12.7	<0.0100
SVP-3	9/25/2007	5	300	<4.4	<5.2	<6.0	<6.0	<5.0	ND	ND	ND	—	—	—	—
SVP-3 DUP[c]	9/25/2007	5	<260	<4.1	<4.9	<5.6	<5.6	<4.6	ND	ND	ND	—	—	—	—
SVP-3	3/5/2008	5	<20,000	3.9	32	7.8	38	13	ND	ND	ND	—	—	—	—
SVP-3	5/20/2008	5	380	<3.9	<4.6	<5.4	<5.4	<4.4	ND	ND	ND	—	—	—	—
SVP-3	9/17/2008	5	<340	<5.4	<6.3	<7.3	<7.3	<6.1	ND	ND	ND	—	—	—	—
SVP-3	1/17/2009	5	<9,200	<2.6	<3.0	<3.5	<14	<12	<19	60	<43	—	—	—	—
SVP-3	5/6/2011	5	<7,000	<16	<19	49	59	<36	—	—	—	<0.500	2.40	19.7	<0.0100
SVP-4	9/25/2007	5	12,000	<3.9	13	6.3	31	<4.4	713 a	ND	ND	—	—	—	—
SVP-4	5/30/2012	5	4,700	110 d	<19 d	300 d	150 d	<36 d	—	—	—	<0.500	<0.500	22.1	0.0559
SVP-4A	5/30/2012	2.3	5,300,000	<4,000 d	<4,700 d	<5,400 d	<11,000 d	<9,000 d	—	—	—	0.708	6.50	2.77	0.0174
SVP-5	9/25/2007	5	70,000	<56	<66	<76	<76	<63	ND	ND	ND	—	—	—	—
SVP-5	3/5/2008	5	<17,000	<2.3	2.7	<3.1	<6.3	<10	ND	22.11 a	ND	—	—	—	—
SVP-5	9/17/2008	5	280,000	260	780	14,000	48,000	290	8,600 b	880 b	ND	—	—	—	—
SVP-5 (200 ml/min flow)	1/17/2009	5	<9,100	<2.5	<3.0	<3.4	<14	36	<19	<19	<43	—	—	—	—
SVP-5 (100 ml/min flow)	1/17/2009	5	<9,100	<2.5	<3.0	<3.4	<14	51	<19	<19	<43	—	—	—	—

ATTACHMENT 5

TABLE 1

HISTORICAL SOIL VAPOR ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1784 150TH AVENUE, SAN LEANDRO, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg ($\mu g/m^3$)*	*B ($\mu g/m^3$)*	*T ($\mu g/m^3$)*	*E ($\mu g/m^3$)*	*X ($\mu g/m^3$)*	*MTBE ($\mu g/m^3$)*	*Butane ($\mu g/m^3$)*	*Isobutane ($\mu g/m^3$)*	*Propane ($\mu g/m^3$)*	*Methane (%v)*	*Carbon Dioxide (%v)*	*Oxygen + Argon (%v)*	*Helium (%v)*
SVP-5 DUP[c] (200 ml/min	1/17/2009	5	<9,000	<2.5	<3.0	<3.4	<14	59	<19	<19	<42	—	—	—	—
SVP-5	10/1/2009	5	—	4.6	<19	17	<8.7	—	—	—	—	—	—	—	<0.0100
SVP-5	5/30/2012	5	<3,800	<16 d	<19 d	50 d	<43 d	<36 d	—	—	—	<0.500	<0.500	22.1	0.0400
SVP-6	11/2/2010	5	<7,000	<16	<19	<22	<43	—	—	—	—	<0.500	1.45	20.3	<0.0100
SVP-6	5/6/2011	5	<7,000	<16	<19	140	200	<36	—	—	—	<0.500	2.58	6.21	0.0259
SVP-6	8/24/2011	5	<3,800	<16 d	<19 d	<22 d	<43 d	<36 d	—	—	—	<0.500	3.72	9.05	<0.0100
SVP-7	11/2/2010	5	<7,000	<16	<19	<22	<43	—	—	—	—	<0.500	<0.500	21.1	<0.0100
SVP-7	5/6/2011	5	<7,000	<16	<19	110	170	<36	—	—	—	<0.500	0.656	21.2	<0.0100
SVP-7	8/24/2011	5	<3,800	<16 d	<19 d	<22 d	<43 d	<36 d	—	—	—	<0.500	<0.500	21.6	<0.0100
SVP-8	5/30/2012	2.3	<3,800	<16 d	<19 d	<22 d	<43 d	<36 d	—	—	—	<0.500	1.49	16.9	0.0157
Residential Land Use ESL[e]:			***10,000***	***84***	***63,000***	***980***	***21,000***	***9,400***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Commercial/Industrial Land Use ESL[e]:			***29,000***	***280***	***180,000***	***3,300***	***58,000***	***31,000***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***

Notes:
TPHg = Total petroleum hydrocarbons as gasoline analyzed by modified EPA Method TO-3 GC/FID
BTEX = Benzene, toluene, ethylbenzene and total xylenes analyzed by modified EPA Method TO-15 GC/FID Full Scan unless otherwise noted
MTBE = Methyl tertiary-butyl ether by modified EPA Method TO-15 GC/FID Full Scan unless otherwise noted
Butane, isobutane, and propane by modified EPA Method TO-15 GC/FID Full Scan
Methane, carbon dioxide, and oxygen+argon analyzed by ASTM D-1946
Helium analyzed by ASTM D-1946(M)
fbg = Feet below grade
$\mu g/m^3$ = Micrograms per cubic meter
%v = Percent by volume
ND = Not detected; no reporting limit provided.
— = Not analyzed
ESL = Environmental screening level
NA = No applicable ESL
Results in bold equal or exceed ESL.

TABLE 1

HISTORICAL SOIL VAPOR ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1784 150TH AVENUE, SAN LEANDRO, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg ($\mu g/m^3$)*	*B ($\mu g/m^3$)*	*T ($\mu g/m^3$)*	*E ($\mu g/m^3$)*	*X ($\mu g/m^3$)*	*MTBE ($\mu g/m^3$)*	*Butane ($\mu g/m^3$)*	*Isobutane ($\mu g/m^3$)*	*Propane ($\mu g/m^3$)*	*Methane (%v)*	*Carbon Dioxide (%v)*	*Oxygen + Argon (%v)*	*Helium (%v)*

a = Detected quantities estimated by laboratory
b = The identification is based on presumptive evidence; estimated value
c = Field duplicate
d = Analyzed by EPA 8260B (M)
e = San Francisco Bay Regional Water Quality Control Board ESLs for shallow soil gas (Table E of Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater, California Regional Water Quality Control Board, Interim Final - November 2007 [Revised May 2008])

Table 1. Analytic Results for Vapor Samples - Shell Service Station WIC #204-6852-1404, 1784 - 150th Avenue, San Leandro, California.

Sample ID	Sample Depth (ft)	B	E	T	X	O_2	CO_2	CH_4
		←parts per billion by volume (ppbv)→				←percent by volume→		
SVS-1	4	37	130	100	390	18	2.1	<0.002
SVS-2	4	50	36	85	150	19	2.8	<0.002
SVS-3	1	410	190	560	660	18	3.8	<0.002
SVS-3	2	130	75	350	220[m]	18	3.0	0.003
SVS-3	3	230	84	420	200[m]	17	5.4	<0.002
SVS-3	8	210	210	190	340	21	0.23	<0.002
SVS-3	18	26	61	170	230	20	0.45	0.004
SVS-4	4	140	160	320	280[m]	15	7.9	<0.002
SVS-5	3	7,600	1,200	4,900	4,500[m]	5.8	23	1.6
SVS-5	13	1,400	55[m]	260	660[m]	21	0.57	0.036
SVS-5dup	13	1,400	96[m]	270	620[m]	N/A	N/A	N/A
SVS-5	20	2,500	300	570	740	20	0.38	0.039
SV-6	4	180[m]	33	180	170[m]	21	0.066	<0.002
SVS-7	4	25	66	21	70	20	0.049	<0.002
SVS-8	5	180	88	190	330	21	0.057	<0.002
SVS-8dup	5	N/A	N/A	N/A	N/A	22	0.057	<0.002
SVS-9	3	21	25	24	230[m]	21	0.058	<0.002
SVS-9	6.5	150[m]	68	72	380	21	0.099	<0.002
SVS-9	13	360	290	180	220	21	0.056	0.003
SVS-9	18	320	49	110	70	21	0.046	<0.002
SVS-10	3	110	100	89	430[m]	19	1.8	<0.002

Table 1. Analytic Results for Vapor Samples - Shell Service Station WIC #204-6852-1404, 1784 - 150th Avenue, San Leandro, California (continued).

Abbreviations:

B = Benzene by Modified California Air Resources Board Method 410A
E = Ethylbenzene by Modified California Air Resources Board Method 410A
T = Toluene by Modified California Air Resources Board Method 410A
X = Xylenes by Modified California Air Resources Board Method 410A
O_2 = Oxygen by ASTM Method D3416
CO_2 = Carbon dioxide by ASTM Method D3416
CH_4 = Methane by ASTM Method D3416
<n = Not detected at detection limits of n ppbv
m = Reported value may be biased due to apparent matrix interferences
N/A = Duplicate sample not analyzed for these compounds

Notes:

Samples collected on 7/18/96 and 7/19/96 by Weiss Associates and analyzed by Air Toxics, Folsom, California

Table 2b. **Soil Vapor Analytical Data -** Shell-branded Service Station WIC# 204-6852-1404, 1784 150th Avenue, San Leandro, California

Sample ID	Date	TPHg C5 + Hydrocarbons	TPHg C2-C4 Hydrocarbons	Benzene	Toluene	Ethylbenzene	Xylenes
		← (Concentrations in ug/L) (mg/m³) →					
SVS-11-5	11/10/98	**4.2**	**0.18**	0.0093	**0.11**	0.013	0.013
SVS-11-10	11/10/98	**2.8**	**0.053**	**0.0080**	**0.25**	0.010	0.010
SVS-11-15	11/10/98	**5.8**	**0.12**	**0.019**	**0.045**	0.010	0.010
SVS-12-5	11/10/98	**5.2**	**0.064**	**0.023**	**0.052**	**0.014**	**0.077**
SVS-12-10	11/10/98	**5.4**	**0.10**	**0.012**	**0.094**	**0.015**	**0.066**
SVS-12-15	11/10/98	**5.6**	**0.13**	**0.017**	**0.039**	0.011	**0.017**
SVS-12-20	11/10/98	**6.4**	**0.097**	**0.015**	**0.065**	**0.015**	**0.048**
SVS-13-5	11/10/98	**6.7**	**0.060**	0.0079	**0.041**	**0.014**	**0.054**
SVS-13-10	11/10/98	**5.7**	**0.11**	**0.014**	**0.038**	0.010	**0.014**
SVS-13-15	11/10/98	**5.9**	**0.16**	**0.012**	**0.042**	0.015	**0.019**
SVS-13-20	11/10/98	**6.7**	**0.060**	0.011	0.012	0.014	0.014
SVS-14-5	11/11/98	**7.8**	**0.079**	0.011	**0.031**	**0.016**	**0.028**
SVS-14-10	11/11/98	**11**	**0.10**	**0.025**	**0.13**	**0.037**	**0.16**
SVS-14-15	11/11/98	**8.7**	**0.13**	0.0076	**0.033**	0.010	**0.010**
SVS-14-15 D	11/11/98	**8.0**	**0.11**	0.0076	**0.026**	0.010	**0.0081**
SVS-15-5	11/11/98	**2.9**	**0.062**	0.011	**0.026**	0.015	0.015
SVS-15-10	1/4/00	**4.8**	**0.31**	**0.018**	**0.061**	0.020	0.020
SVS-15-15	11/11/98	**4.5**	0.082	0.015	**0.038**	0.020	0.020
SVS-15-20	11/11/98	**5.6**	**0.070**	0.011	**0.071**	0.015	0.015
SVS-16-5	11/11/98	**5.4**	**0.14**	**0.032**	**0.15**	0.015	**0.018**
SVS-16-10	11/11/99	**8.0**	**0.22**	**0.024**	**0.076**	0.010	0.010

Table 2b. **Soil Vapor Analytical Data -** Shell-branded Service Station WIC# 204-6852-1404, 1784 150th Avenue, San Leandro, California

Sample ID	Date	TPHg C5 + Hydrocarbons	TPHg C2-C4 Hydrocarbons	Benzene	Toluene	Ethylbenzene	Xylenes
		← (Concentrations in ug/L) →					
SVS-16-10 D	11/11/99	**8.1**	**0.20**	**0.023**	**0.070**	0.010	0.010
SVS-16-15	11/11/99	**8.5**	**0.070**	**0.0076**	**0.028**	0.010	0.010

Abbreviations and Notes:

TPHg = Total petroleum hydrocarbons as gasoline by Modified CARB 410A
Benzene, toluene, ethylbenzene, and total xylenes by Modified CARB 410A
ug/L = microgram per liter
<n = Below detection limit of n ppmv
D = Duplicate

ble 2. Historical Grab Groundwater Analytical Data - Shell-branded Service Station, Incident No.98996068, 1784 150th Avenue, San Leandro, California

ıple ID	Sample Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2 DCA	EDB	Ethanol
			←						(ppb)						→
'4 Subsurface Investigation															
-1	6/6/1994		<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---
-2	6/6/1994		**5,200 a**	**8.8**	<0.50	**9.1**	<0.50	---	---	---	---	---	---	---	---
-3	6/6/1994		**120,000 b**	**25,000**	**14,000**	**3,100**	**13,000**	---	---	---	---	---	---	---	---
-4	6/7/1994		<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---
-5	6/7/1994		<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---
-6	6/7/1994		<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---
'5 Monitoring Well Installation															
-7-17-W	2/14/1995		**100**	**1.0**	**1.0**	<0.5	<0.5	---	---	---	---	---	---	---	---
-9-20-W	2/14/1995		**90**	**0.9**	**0.9**	<0.5	<0.5	---	---	---	---	---	---	---	---
'8 Subsurface Investigation															
S-11-W1	11/10/1998		**130,000**	**18,000**	**1,800**	**5,700**	**31,000**	**1,500**	---	---	---	---	---	---	---
S-12-W1	11/11/1998		**64,000**	**1,800**	**770**	**2,700**	**17,000**	<250	---	---	---	---	---	---	---
S-14-W1	11/11/1998		<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---
S-15-W1	11/11/1998		<50	<0.50	<0.50	<0.50	**0.80**	<2.5	---	---	---	---	---	---	---
S-16-W1	11/11/1998		<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---
'2 Monitoring Well Installation															
W7-W	10/3/2002		**60,000**	**59**	**590**	**1,900**	**7,300**	<100	---	---	---	---	---	---	---
W8-W	10/4/2002		**83,000**	**810**	**2,000**	**3,700**	**17,000**	<500	---	---	---	---	---	---	---
9-W	10/4/2002		**78,000**	**2,200**	**8,200**	**2,300**	**13,000**	<500	---	---	---	---	---	---	---
'3 Subsurface Investigation															
-10-W	6/23/2003		<50	**1.1**	**0.84**	<0.50	**1.7**	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
-11-W	6/24/2003		**75**	**0.84**	**0.53**	**1.5**	**7.1**	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
-12-W	6/24/2003		<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
-13-W	6/23/2003		<50	**0.89**	**0.52**	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
-14-W	6/24/2003		**67,000**	<100	**280**	**3,800**	**16,000**	<100	<1000	<400	<400	<400	<100	<100	<1000
-15-W	6/26/2003		**6,800**	**530**	<25	**380**	**560**	**40**	<250	<100	<100	<100	<25	<25	<2500
-16-W	6/23/2003		<50	**0.67**	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
'4 Subsurface Investigation															
-17-W	9/13/2004		<50	<0.50	**4.2**	**2.0**	**7.9**	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
-18-W	9/13/2004		**55**	<0.50	**5.5**	**2.5**	**10.0**	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50

Table 2. Historical Grab Groundwater Analytical Data - Shell-branded Service Station, Incident No.98996068, 1784 150th Avenue, San Leandro, California

Sample ID	Sample Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2 DCA	EDB	Ethanol
									(ppb)						
2006 Subsurface Investigation															
SB-25W-20	5/24/2006		<50.0	0.570	0.650	1.69	3.28	<0.500	<10.0	<0.500	<0.500	<0.500	2.96	<0.500	---
SB-25W-31	5/24/2006		<50.0	<0.500	<0.500	0.520	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	3.10	<0.500	---
2007 Subsurface Investigation															
CPT-1-41'-45'	8/30/2007	41-45	**650**	27	4.3	14	43.4	1,100	430	2.0	<2.0	<2.0	92	<1.0	---
CPT-1-54'-58'	8/31/2007	54-58	<50 d	8.0	0.64 e	2.6	5.39 e	120	<10	<2.0	<2.0	<2.0	97	<1.0	---
CPT-1-70'-74'	8/31/2007	70-74	<50	4.1	0.62 e	1.0	1.97 e	2.1	<10	<2.0	<2.0	<2.0	<0.50	<1.0	---
CPT-2-35'-39'	8/29/2007	35-39	310	41	4.7	12	50	54	<10	<2.0	<2.0	<2.0	11	<1.0	---
CPT-2-53'-57'	8/29/2007	53-57	<50	1.5	0.83 e	1.1	4.7	2.1	<10	<2.0	<2.0	<2.0	13	<1.0	---
CPT-2-68'-72'	8/29/2007	68-72	<50	5.3	1.8	4.2	16.3	0.63 e	<10	<2.0	<2.0	<2.0	<0.50	<1.0	---
CPT-3-23'-27'	8/28/2007	23-27	**3,600**	0.94	0.32 e	18	8.8	35	11	<2.0	<2.0	<2.0	8.2	<1.0	---
CPT-3-49'-53'	8/29/2007	49-53	<50	1.5	0.51 e	0.43 e	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<0.50	<1.0	---
CPT-3-69'-73'	8/29/2007	69-73	<50	0.42 e	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<0.50	<1.0	---
CPT-5-41'-45'	8/30/2007	41-45	<50	0.88	0.34 e	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<0.50	<1.0	---
CPT-5-54'-57'	8/31/2007	54-57	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	6.6	<1.0	---
CPT-5-70'-74'	8/31/2007	70-74	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<0.50	<1.0	---
CPT-6-40'-44'	8/30/2007	40-44	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<0.50	<1.0	---
CPT-6-70'-74'	8/30/2007	70-74	<50	<0.50	<1.0	<1.0	<1.0	20	<10	<2.0	<2.0	<2.0	15	<1.0	---

Abbreviations and Notes:

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015 in 1998, and by EPA Method 8260B thereafter
Benzene, toluene, ethylbenzene and total xylenes by EPA Method 8020 in 1998, and by EPA Method 8260B thereafter.
MTBE = Methyl tertiary butyl ether by EPA Method 8020 in 1998 and by EPA Method 8260B thereafter
TBA = Tert-Butyl alcohol, analyzed by EPA Method 8260B
ETBE = Ethyl tert butyl ether, analyzed by EPA Method 8260B
DIPE = Di-isopropyl Ether, analyzed by EPA Method 8260B
TAME = Tert-Amyl methyl ether, analyzed by EPA Method 8260B
1,2-DCA = 1,2-dichloroethane
EDB = Ethyl di-bromide, analyzed by EPA Method 8260B
Ethanol analyzed by EPA Method 8260B

Table 2. Historical Grab Groundwater Analytical Data - Shell-branded Service Station, Incident No.98996068, 1784 150th Avenue, San Leandro, California

Sample ID	Sample Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2 DCA	EDB	Ethanol
			(ppb)												

ppb = Parts per billion
--- = Not analyzed

a = Chromatogram pattern as weathered gasoline
b = Chromatogram pattern as gasoline
c = San Francisco Bay Regional Water Quality Control Board Environmental Screening Level where groundwater is not a source of drinking water
d = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantification of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
e = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
EW-1	09/15/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48.44	23.26	—	25.18	—
EW-1	01/06/2009	—	43,000	1,600	860	1,500	3,800	—	500	—	—	—	—	—	—	48.44	22.51	—	25.93	0.18
EW-1	03/10/2009	—	39,000	2,500	1,300	1,700	5,300	—	390	—	—	—	—	—	—	48.44	19.58	—	28.86	1.21
EW-1	06/03/2009	—	26,000	540	220	1,300	2,600	—	210	—	—	—	—	—	—	48.44	21.80	—	26.64	1.09
EW-1	09/30/2009	—	48,000	390	140	1,900	4,200	—	210	740	<40	<40	<40	—	—	48.44	23.74	—	24.70	0.09
EW-1	03/05/2010	—	28,000	1,300	260	1,000	1,900	—	200	—	—	—	—	—	—	48.44	19.13	—	29.31	1.22
EW-1	09/16/2010	—	35,000	2,400	650	1,700	2,300	—	290	650	<20	<20	<20	—	—	48.44	22.07	—	26.37	0.21
EW-1	03/18/2011	—	9,300	140	23	490	680	—	68	—	—	—	—	—	—	48.44	20.09	—	28.35	0.30
EW-1	09/27/2011	—	17,000	1,200	270	1,200	2,300	—	110	520	<20	<20	<20	—	—	48.44	21.38	—	27.06	1.29
EW-1	03/09/2012	—	18,000	1,100	190	1,100	2,000	—	140	—	—	—	—	—	—	48.44	21.70	—	26.74	0.45
EW-1	**09/20/2012**	**—**	**14,000**	**1,000**	**180**	**790**	**1,000**	**—**	**89**	**460**	**<10**	**<10**	**<10**	**—**	**—**	**48.44**	**22.64**	**—**	**25.80**	**2.85**
EW-2	09/15/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44.52	19.35	—	25.17	—
EW-2	01/06/2009	—	85,000	970	1,400	3,200	20,000	—	150	—	—	—	—	—	—	44.52	18.63	—	25.89	0.22
EW-2	03/10/2009	—	67,000	190	650	3,100	21,000	—	<100	—	—	—	—	—	—	44.52	16.21	—	28.31	0.76
EW-2	06/03/2009	—	62,000	560	490	3,000	18,000	—	<100	—	—	—	—	—	—	44.52	17.90	—	26.62	0.03
EW-2	09/30/2009	9,700 l,m	67,000	480	330	3,300	17,000	—	110	540	<100	<100	<100	—	—	44.52	19.84	—	24.68	0.20
EW-2	03/05/2010	—	63,000	150	320	2,400	13,000	—	64	—	—	—	—	—	—	44.52	15.10	—	29.42	0.21
EW-2	09/16/2010	—	42,000	160	670	2,400	12,000	—	60	330	<50	<50	<50	—	—	44.52	18.25	—	26.27	0.22
EW-2	03/18/2011	—	44,000	310	1,100	2,700	14,000	—	<50	—	—	—	—	—	—	44.52	16.41	—	28.11	0.31
EW-2	09/27/2011	—	42,000	280	1,100	2,700	14,000	—	<40	<400	<40	<40	<40	—	—	44.52	17.46	—	27.06	1.27
EW-2	03/09/2012	—	52,000	200	1,500	2,700	16,000	—	<25	—	—	—	—	—	—	44.52	17.87	—	26.65	0.35
EW-2	**09/20/2012**	**—**	**46,000**	**160**	**580**	**2,500**	**13,000**	**—**	**<20**	**<400**	**<20**	**<20**	**<20**	**—**	**—**	**44.52**	**18.70**	**—**	**25.82**	**1.75**
MW-1	03/08/1990	120	510	1.5	0.8	<0.5	5.4	—	—	—	—	—	—	—	—	49.13	25.29	—	23.84	—
MW-1	06/12/1990	100	390	86	1.3	0.7	6.2	—	—	—	—	—	—	—	—	49.13	25.85	—	23.28	—
MW-1	09/13/1990	130	100	56	0.75	2.4	2.8	—	—	—	—	—	—	—	—	49.13	27.49	—	21.64	—
MW-1	12/18/1990	<50	480	54	1.7	3.3	3.7	—	—	—	—	—	—	—	—	49.13	27.41	—	21.72	—
MW-1	03/07/1991	<50	80	266	<0.5	1.2	<1.5	—	—	—	—	—	—	—	—	49.13	25.79	—	23.34	—
MW-1	06/07/1991	<50	510	130	3.8	6.1	11	—	—	—	—	—	—	—	—	49.13	25.64	—	23.49	—
MW-1	09/17/1991	120 a	330	67	<0.5	3.0	2.2	—	—	—	—	—	—	—	—	49.13	27.54	—	21.59	—
MW-1	12/09/1991	80	140 a	<0.5	<0.5	1.7	4.7	—	—	—	—	—	—	—	—	49.13	27.81	—	21.32	—
MW-1	02/13/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.13	25.57	—	23.56	—
MW-1	02/24/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.13	22.83	—	26.30	—
MW-1	02/27/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.13	23.09	—	26.04	—
MW-1	03/01/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	49.13	23.26	—	25.87	—
MW-1	06/03/1992	—	1,500	520	180	72	230	—	—	—	—	—	—	—	—	49.13	24.64	—	24.49	—
MW-1	09/01/1992	—	130	16	1.4	1.8	3.4	—	—	—	—	—	—	—	—	49.13	26.74	—	22.39	—
MW-1	10/06/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.13	27.18	—	21.95	—

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

ell ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
W-1	11/11/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.13	27.99	—	21.14	—
W-1	12/04/1992	—	150	360	0.70	1.8	2.1	—	—	—	—	—	—	—	—	49.13	27.14	—	21.99	—
W-1	01/22/1993	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.13	20.09	—	29.04	—
W-1	02/10/1993	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.13	24.26	—	24.87	—
W-1	03/03/1993	—	<50	1.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	49.13	20.50	—	28.63	—
W-1	05/11/1993	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.13	21.70	—	27.43	—
W-1	06/17/1993	—	1,600	340	120	120	440	—	—	—	—	—	—	—	—	49.13	22.42	—	26.71	—
W-1	09/10/1993	—	2,600	670	340	310	730	—	—	—	—	—	—	—	—	49.13	24.11	—	25.02	—
W-1	12/13/1993	—	11,000	470	320	380	2,300	—	—	—	—	—	—	—	—	49.13	23.73	—	25.40	—
W-1	03/03/1994	—	16,000	700	690	480	3,200	—	—	—	—	—	—	—	—	49.13	22.08	—	27.05	—
W-1	06/06/1994	—	7,500	420	280	200	1,000	—	—	—	—	—	—	—	—	49.13	23.10	—	26.03	—
W-1	09/12/1994	—	1,200	110	21	3.3	420	—	—	—	—	—	—	—	—	49.13	25.19	—	23.94	—
W-1	12/19/1994	—	4,600	470	330	230	1,300	—	—	—	—	—	—	—	—	49.13	23.06	—	26.07	—
W-1	02/28/1995	—	500	59	32	6.8	68	—	—	—	—	—	—	—	—	49.13	20.90	—	28.23	—
W-1	03/24/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.13	18.28	—	30.85	—
W-1	06/26/1995	—	5,500	740	420	300	1,800	—	—	—	—	—	—	—	—	49.13	20.40	—	28.73	—
W-1	09/13/1995	—	84,000	1,900	2,600	3,000	14,000	—	—	—	—	—	—	—	—	49.13	22.62	—	26.51	—
W-1	12/19/1995	—	80,000	660	350	170	18,000	—	—	—	—	—	—	—	—	49.13	22.10	—	27.03	—
W-1	03/07/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.13	18.83	0.05	30.34	—
W-1	06/28/1996	—	270,000	2,800	820	1,000	16,000	<0.5	—	—	—	—	—	—	—	49.13	21.46	—	27.67	—
-1 (D)	06/28/1996	—	790,000	2,200	780	1,000	13,000	15,000	—	—	—	—	—	—	—	49.13	—	—	—	—
W-1	09/26/1996	—	29,000	1,100	260	270	1,900	<1,000	—	—	—	—	—	—	—	49.13	23.57	0.01	25.57	—
W-1	09/26/1996	—	25,000	1,200	320	240	1,900	<1,000	—	—	—	—	—	—	—	49.13	—	—	—	—
W-1	12/10/1996	—	13,000	510	240	230	1,200	100	—	—	—	—	—	—	—	49.13	21.43	—	27.70	1.0
-1 (D)	12/10/1996	—	8,400	420	130	140	680	81	—	—	—	—	—	—	—	49.13	—	—	—	1.0
W-1	03/10/1997	—	4,200	13	8.8	16	74	<12	—	—	—	—	—	—	—	49.13	20.08	—	29.05	2.0
-1 (D)	03/10/1997	—	5,100	12	8.9	17	79	<25	—	—	—	—	—	—	—	49.13	—	—	—	2.0
W-1	06/30/1997	—	5,700	320	120	140	700	47	—	—	—	—	—	—	—	49.13	21.68	—	27.45	1.6
-1 (D)	06/30/1997	—	5,300	300	95	120	580	45	—	—	—	—	—	—	—	49.13	—	—	—	1.6
W-1	09/12/1997	—	6,300	120	26	82	260	30	—	—	—	—	—	—	—	49.13	21.78	—	27.35	2.1
W-1	12/18/1997	—		—	—	—	—	—	—	—	—	—	—	—	—	49.13	20.78	—	28.35	1.3
W-1	02/02/1998	—	84	5.1	<0.50	<0.50	2.1	2.5	—	—	—	—	—	—	—	49.13	19.65	—	29.48	2.0
W-1	06/24/1998	—	13,000	3,000	260	410	1,400	<250	—	—	—	—	—	—	—	49.13	19.65	—	29.48	2.5
-1 (D)	06/24/1998	—	12,000	3,800	250	47	1,400	710	—	—	—	—	—	—	—	49.13	—	—	—	2.5
W-1	08/26/1998	—	3,100	1,200	27	170	50	88	—	—	—	—	—	—	—	49.13	20.49	—	28.64	2.1
W-1	12/23/1998	—	45,000	5,300	220	1,000	3,600	970	—	—	—	—	—	—	—	49.13	21.22	—	27.91	3.8
W-1	03/01/1999	—	22,300	2,540	436	753	3,370	<400	—	—	—	—	—	—	—	49.13	19.27	—	29.86	1.8
W-1	06/14/1999	—	18,800	6,820	210	436	958	1,360	—	—	—	—	—	—	—	49.13	20.80	—	28.33	2.2
W-1	09/28/1999	—	21,500	7,470	281	467	927	1,800	—	—	—	—	—	—	—	49.13	22.55	—	26.58	2.0

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
W-1	12/08/1999	—	22,300	6,140	135	256	367	232	—	—	—	—	—	—	—	49.13	23.12	—	26.01	2.1
W-1	03/14/2000	—	6,690	1,880	63.5	134	307	460	—	—	—	—	—	—	—	49.13	18.87	—	30.26	2.3
W-1	06/28/2000	—	8,080	2,690	85.1	149	514	701	—	—	—	—	—	—	—	49.13	21.12	—	28.01	2.4
W-1	09/06/2000	—	17,800	7,390	212	329	1,270	<1,000	—	—	—	—	—	—	—	49.13	21.90	—	27.23	3.0
W-1	12/14/2000	—	8,900	4,870	79.2	106	370	1,840	673 f	—	—	—	—	—	—	49.13	22.60	—	26.53	2.0
W-1	03/05/2001	—	7,520	2,120	66.0	107	129	668	—	—	—	—	—	—	—	49.13	20.06	—	29.07	0.4
W-1	06/11/2001	—	30,000	7,400	390	600	2,300	—	170	—	—	—	—	—	—	49.13	22.39	—	26.74	1.6
W-1	09/12/2001	—	23,000	7,500	120	280	910	—	320	—	—	—	—	—	—	49.13	23.37	—	25.76	2.2
W-1	12/27/2001	—	16,000	2,400	190	330	1,500	—	350	—	—	—	—	—	—	49.13	20.97	—	28.16	1.3
W-1	02/27/2002	—	26,000	6,100	330	510	2,000	—	210	—	—	—	—	—	—	49.10	20.47	—	28.63	1.3
W-1	06/18/2002	—	29,000	8,100	280	510	1,800	—	140	—	—	—	—	—	—	49.10	21.99	—	27.11	2.2
W-1	09/18/2002	—	34,000	5,900	350	700	3,000	—	<250	—	—	—	—	—	—	49.10	23.21	—	25.89	0.8
W-1	12/27/2002	—	7,500	1,200	30	120	410	—	230	310	<5.0	<5.0	<5.0	31	<5.0	49.10	20.10	—	29.00	0.6
W-1	03/05/2003	—	17,000	1,600	88	400	1,400	—	230	290	—	—	<10	<10	—	49.10	21.05	—	28.05	1.7
W-1	06/24/2003	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	49.10	—	—	—	—
W-1	06/25/2003	—	14,000	5,300	250	440	2,100	—	100	<500	—	—	<200	<50	—	49.10	21.93	—	27.17	0.9
W-1	09/25/2003	—	33,000	7,700	250	860	3,400	—	130	<500	—	—	<200	<50	—	49.10	23.21	—	25.89	1.7
W-1	12/15/2003	—	63,000	14,000	360	1,300	3,900	—	150	<1000	—	—	<400	<100	—	49.10	22.08	—	27.02	1.5
W-1	03/04/2004	—	28,000	8,000	180	640	2,100	—	79	<500	—	—	<200	<50	—	49.10	19.85	—	29.25	0.2
W-1	05/27/2004	—	33,000	8,700	260	840	2,700	—	81	<500	—	—	<200	<50	—	49.10	22.15	—	26.95	0.2
W-1	09/24/2004	—	26,000	5,700	210	830	2,900	—	<50	<500	<200	<200	<200	<50	<50	49.10	23.69	—	25.41	1.5
W-1	11/22/2004	—	100,000	2,500	920	4,100	22,000	—	130	<500	—	—	<200	<50	—	49.10	23.19	—	25.91	—
W-1	03/02/2005	—	110,000	1,300	670	4,000	23,000	—	87	<500	—	—	<100	<25	—	49.10	19.35	—	29.75	—
W-1	06/30/2005	—	94,000	6,500	1,100	3,900	21,000	—	900	<2,500	—	—	<1,000	<250	—	49.10	20.64	—	28.46	0.6
W-1	09/20/2005	—	63,000	3,900	540	2,000	14,000	—	1,100	<2,000	<800	<800	<800	<200	—	49.10	22.06	—	27.04	—
W-1	12/05/2005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.10	21.90	0.06	27.25	—
W-1	03/02/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.10	17.54	0.05	31.60	—
W-1	06/29/2006	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	49.10	—	—	—	—
W-1	06/30/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.10	20.16	0.04	28.97	—
W-1	07/06/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.10	20.26	0.03	28.86	—
W-1	09/11/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.10	21.24	0.06	27.91	—
W-1	12/28/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.10	20.83	0.04	28.30	—
W-1	03/20/2007	—	43,600	11,900 i	348 i	964 i	1,450 i	—	9,180 i	<10,000 i	—	—	<200 i	<100 i	—	49.10	20.88	—	28.22	0.26
W-1	06/01/2007	—	22,000 j	7,900	120	310	424 k	—	7,800	—	—	—	—	—	—	49.10	21.93	—	27.17	0.72
W-1	06/26/2007	—	20,000 j	6,700	110	360	730	—	6,500	2,200	—	—	<200	<50	—	49.10	22.30	—	26.80	1.33
W-1	07/19/2007	—	26,000 j	6,100	92 k	180	523 k	—	7,100	—	—	—	—	—	—	49.10	22.70	—	26.40	2.89
W-1	08/14/2007	—	44,000 j	6,300	130	910	4,100	—	6,300	—	—	—	—	—	—	49.10	22.90	—	26.20	1.9
W-1	09/11/2007	—	38,000 j	8,100	140	670	1,770	—	5,700	3,000	<100	<100	<100	<25	—	49.10	23.65	—	25.45	0.84
W-1	10/26/2007	—	40,000 j	9,500	120	540	1,370	—	6,300	—	—	—	—	—	—	49.10	23.04	—	26.06	0.9

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

ell ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
fW-1	11/13/2007	—	36,000 j	8,400	110	480	1,400	—	7,100	—	—	—	—	—	—	49.10	22.99	—	26.11	0.30
fW-1	12/26/2007	—	33,000 j	8,600	120	550	1,330	—	5,300	2,500	—	—	<100	<25	—	49.10	22.37	—	26.73	0.5
fW-1	01/03/2008	—	42,000 j	9,900	170	810	2,140	—	5,300	—	—	—	—	—	—	49.10	22.53	—	26.57	1.63
fW-1	02/21/2008	—	32,000 j	9,900	540	1,100	2,260	—	5,500	—	—	—	—	—	—	49.10	20.42	—	28.68	2.1
fW-1	03/19/2008	—	41,000 j	9,900	620	1,300	2,280	—	5,600	6,900	—	—	—	<50	—	49.10	21.01	—	28.09	0.24
fW-1	04/16/2008	—	53,000	10,000	430	1,100	2,200	—	5,500	—	—	—	—	—	—	49.10	21.49	—	27.61	1.70
fW-1	05/29/2008	—	47,000	9,100	670	1,100	2,270	—	4,600	—	—	—	—	—	—	49.10	22.17	—	26.93	1.10
fW-1	06/05/2008	—	51,000	7,900	660	1,100	2,780	—	4,600	3,700	<200	<200	<200	<50	—	49.10	22.31	—	26.79	0.19
fW-1	07/22/2008	—	69,000	8,700	510	1,400	3,480	—	3,100	—	—	—	—	—	—	49.10	23.13	0.01	25.98	1.64
fW-1	09/29/2008	—	61,000	7,900	560	1,400	2,480	—	2,300	4,100	<200	<200	<200	<50	—	49.10	24.04	—	25.06	0.69
fW-1	Well destroyed		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
W-1A	09/15/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48.99	23.78	—	25.21	—
W-1A	12/19/2008	—	320	0.54	<1.0	<1.0	<1.0	—	12	—	—	—	—	—	—	48.99	23.61	—	25.38	0.38
W-1A	03/10/2009	—	570	8.0	<1.0	1.5	1.2	—	16	—	—	—	—	—	—	48.99	20.15	—	28.84	1.80
W-1A	06/03/2009	—	200	<0.50	<1.0	<1.0	<1.0	—	12	—	—	—	—	—	—	48.99	22.30	—	26.69	1.71
W-1A	09/30/2009	—	140	<0.50	<1.0	<1.0	<1.0	—	6.0	66	<2.0	<2.0	<2.0	—	—	48.99	24.28	—	24.71	0.38
W-1A	03/05/2010	—	540	30	<1.0	2.3	2.8	—	22	—	—	—	—	—	—	48.99	19.66	—	29.33	0.48
W-1A	09/16/2010	—	120	<0.50	<1.0	<1.0	<1.0	—	9.7	42	<2.0	<2.0	<2.0	—	—	48.99	22.69	—	26.30	0.22
W-1A	03/18/2011	—	110	17	<0.50	<0.50	<1.0	—	11	—	—	—	—	—	—	48.99	20.60	—	28.39	0.62
W-1A	09/27/2011	—	360	<0.50	<0.50	<0.50	<1.0	—	7.4	82	<1.0	<1.0	<1.0	—	—	48.99	21.90	—	27.09	1.09
W-1A	03/09/2012	—	220	<0.50	<0.50	<0.50	<1.0	—	4.6	—	—	—	—	—	—	48.99	22.20	—	26.79	0.47
W-1A	**09/20/2012**	**—**	**310**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**—**	**2.7**	**46**	**<0.50**	**<0.50**	**<0.50**	**—**	**—**	**48.99**	**23.15**	**—**	**25.84**	**1.10**
W-1B	10/31/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.07	24.25	—	24.82	—
W-1B	12/19/2008	—	980	14	<1.0	3.8	15	—	440	—	—	—	—	—	—	49.07	23.71	—	25.36	0.42
W-1B	03/10/2009	—	790	11	<5.0	<5.0	8.4	—	450	—	—	—	—	—	—	49.07	20.36	—	28.71	1.22
W-1B	06/03/2009	—	470	<2.5	<5.0	<5.0	<5.0	—	460	—	—	—	—	—	—	49.07	22.38	—	26.69	2.37
W-1B	09/30/2009	—	<50	<0.50	<1.0	<1.0	<1.0	—	3.2	<10	<2.0	<2.0	<2.0	—	—	49.07	24.35	—	24.72	0.42
W-1B	03/05/2010	—	<50	<0.50	<1.0	<1.0	<1.0	—	4.3	—	—	—	—	—	—	49.07	19.82	—	29.25	0.15
W-1B	09/16/2010	—	<50	<0.50	<1.0	<1.0	<1.0	—	1.2	<10	<2.0	<2.0	<2.0	—	—	49.07	22.79	—	26.28	0.25
W-1B	03/18/2011	—	<50	<0.50	<0.50	<0.50	<1.0	—	1.6	—	—	—	—	—	—	49.07	19.00	—	30.07	0.77
W-1B	09/27/2011	—	<50	<0.50	<0.50	<0.50	<1.0	—	6.6	<10	<1.0	<1.0	<1.0	—	—	49.07	22.05	—	27.02	1.91
W-1B	03/09/2012	—	<50	<0.50	<0.50	<0.50	<1.0	—	44	—	—	—	—	—	—	49.07	22.35	—	26.72	0.74
W-1B	**09/20/2012**	**—**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**—**	**1.5**	**<10**	**<0.50**	**<0.50**	**<0.50**	**—**	**—**	**49.07**	**23.27**	**—**	**25.80**	**2.72**
fW-2	02/13/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.83	22.22	—	23.61	—
fW-2	02/24/1992	2,700 a	17,000	6,200	1,600	550	1,900	—	—	—	—	—	—	—	—	45.83	19.61	—	26.22	—
fW-2	02/27/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.83	19.92	—	25.91	—

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
W-2	03/01/1992	1,000 a	86,000	30,000	34,000	2,300	16,000	—	—	—	—	—	—	—	—	45.83	21.11	—	24.72	—
W-2	06/03/1992	—	87,000	28,000	18,000	2,000	10,000	—	—	—	—	—	—	—	—	45.83	21.58	—	24.25	—
W-2	09/01/1992	—	110,000	21,000	13,000	1,900	7,800	—	—	—	—	—	—	—	—	45.83	23.46	—	22.37	—
W-2	10/06/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.83	23.99	—	21.84	—
W-2	11/11/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.83	24.25	—	21.58	—
W-2	12/04/1992	—	42,000	15,000	2,400	960	2,900	—	—	—	—	—	—	—	—	45.83	23.89	—	21.94	—
W-2	01/22/1993	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.83	17.03	—	28.80	—
W-2	02/10/1993	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.83	18.08	—	27.75	—
W-2	03/03/1993	—	160,000	36,000	3,800	32,000	21,000	—	—	—	—	—	—	—	—	45.83	17.28	—	28.55	—
W-2 (D)	03/03/1993	—	150,000	31,000	3,100	20,000	14,000	—	—	—	—	—	—	—	—	45.83	—	—	—	—
W-2	05/11/1993	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.83	18.41	—	27.42	—
W-2	06/17/1993	—	65,000	34,000	15,000	3,200	11,000	—	—	—	—	—	—	—	—	45.83	19.06	—	26.77	—
W-2 (D)	06/17/1993	—	62,000	28,000	14,000	2,700	10,000	—	—	—	—	—	—	—	—	45.83	—	—	—	—
W-2	09/10/1993	—	72,000	24,000	16,000	2,300	11,000	—	—	—	—	—	—	—	—	45.83	20.88	—	24.95	—
W-2 (D)	09/10/1993	—	71,000	23,000	15,000	2,300	10,000	—	—	—	—	—	—	—	—	45.83	—	—	—	—
W-2	12/13/1993	—	19,000	5,400	4,900	680	3,100	—	—	—	—	—	—	—	—	45.83	20.42	—	25.41	—
W-2 (D)	12/13/1993	—	17,000	6,200	5,500	720	3,500	—	—	—	—	—	—	—	—	45.83	—	—	—	—
W-2	03/03/1994	—	110,000	21,000	24,000	2,000	13,000	—	—	—	—	—	—	—	—	45.83	18.48	—	27.35	—
W-2 (D)	03/03/1994	—	93,000	19,000	22,000	1,800	12,000	—	—	—	—	—	—	—	—	45.83	—	—	—	—
W-2	06/06/1994	—	10,000	1,900	3,300	2,500	13,000	—	—	—	—	—	—	—	—	45.83	20.26	—	25.57	—
W-2 (D)	06/06/1994	—	99,000	9,900	12,000	2,400	12,000	—	—	—	—	—	—	—	—	45.83	—	—	—	—
W-2	09/12/1994	—	160,000	22,000	33,000	3,400	23,000	—	—	—	—	—	—	—	—	45.83	21.80	—	24.03	—
W-2 (D)	09/12/1994	—	150,000	23,000	34,000	3,500	23,000	—	—	—	—	—	—	—	—	45.83	—	—	—	—
W-2	12/19/1994	—	80,000	17,000	16,000	2,300	14,000	—	—	—	—	—	—	—	—	45.83	19.66	—	26.17	—
W-2 (D)	12/19/1994	—	100,000	28,000	26,000	3,400	20,000	—	—	—	—	—	—	—	—	45.83	—	—	—	—
W-2	02/28/1995	—	100,000	24,000	18,000	2,300	17,000	—	—	—	—	—	—	—	—	45.83	17.51	—	28.32	—
W-2 (D)	02/28/1995	—	100,000	31,000	21,000	3,200	18,000	—	—	—	—	—	—	—	—	45.83	—	—	—	—
W-2	03/24/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.83	14.88	—	30.95	—
W-2	06/26/1995	—	45,000	14,000	12,000	1,500	7,500	—	—	—	—	—	—	—	—	45.83	17.58	—	28.25	—
W-2 (D)	06/26/1995	—	68,000	13,000	11,000	1,800	7,700	—	—	—	—	—	—	—	—	45.83	—	—	—	—
W-2	09/13/1995	—	110,000	19,000	19,000	2,800	15,000	—	—	—	—	—	—	—	—	45.83	19.28	—	26.55	—
W-2 (D)	09/13/1995	—	120,000	20,000	20,000	2,900	15,000	—	—	—	—	—	—	—	—	45.83	—	—	—	—
W-2	12/19/1995	—	180,000	18,000	29,000	4,100	24,000	—	—	—	—	—	—	—	—	45.83	18.61	—	27.22	—
W-2 (D)	12/19/1995	—	160,000	18,000	28,000	3,800	24,000	—	—	—	—	—	—	—	—	45.83	—	—	—	—
W-2	03/06/1996	—	120,000	28,000	15,000	3,900	17,000	—	—	—	—	—	—	—	—	45.83	15.41	—	30.42	—
W-2	06/28/1996	—	96,000	20,000	20,000	4,100	22,000	2,400	—	—	—	—	—	—	—	45.83	17.84	—	27.99	—
W-2	09/26/1996	—	87,000	7,600	11,000	2,500	15,000	990	840	—	—	—	—	—	—	45.83	19.60	—	26.23	—
W-2	12/10/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.83	18.15	0.25	27.88	—
W-2	03/10/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.83	17.02	0.20	28.97	—

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-2	06/30/1997	—	57,000	3,600	4,600	1,300	9,700	2,300	—	—	—	—	—	—	—	45.83	19.42	—	26.41	2.4
MW-2	09/12/1997	—	88,000	7,800	8,800	2,600	16,000	3,200	—	—	—	—	—	—	—	45.83	19.40	—	26.43	1.7
MW-2 (D)	09/12/1997	—	90,000	8,300	9,400	2,700	17,000	3,400	—	—	—	—	—	—	—	45.83	—	—	—	1.7
MW-2	12/18/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.83	17.56	—	28.27	1.3
MW-2	02/02/1998	—	<50	0.60	1.9	0.93	6.0	9.3	—	—	—	—	—	—	—	45.83	18.14	—	27.69	2
MW-2 (D)	02/02/1998	—	56	1.0	2.8	1.4	9.3	13	—	—	—	—	—	—	—	45.83	—	—	—	2
MW-2	06/24/1998	—	20,000	<200	620	560	4,500	<1,000	—	—	—	—	—	—	—	45.83	16.08	—	29.75	2.4
MW-2	08/26/1998	—	22,000	380	1,100	560	4,400	330	—	—	—	—	—	—	—	45.83	19.25	—	26.58	—
MW-2 (D)	08/26/1998	—	11,000	180	130	290	500	1,400	—	—	—	—	—	—	—	45.83	—	—	—	—
MW-2	12/23/1998	—	100,000	4,100	6,500	2,400	16,000	<500	—	—	—	—	—	—	—	45.83	18.29	—	27.54	3.8
MW-2	03/01/1999	—	50,800	3,910	7,480	1,890	13,100	9,620	—	—	—	—	—	—	—	45.83	22.81	—	23.02	2.0
MW-2	06/14/1999	—	4,930	128	270	139	1,040	2,200	2,540 f	—	—	—	—	—	—	45.83	18.86	—	26.97	1.6
MW-2	09/28/1999	—	16,200	647	1,070	542	4,130	5,320	4,790	—	—	—	—	—	—	45.83	21.41	—	24.42	1.8
MW-2	12/08/1999	—	25,700	1,670	2,110	977	6,600	6,190	5,970	—	—	—	—	—	—	45.83	21.89	—	23.94	1.8
MW-2	03/14/2000	—	45,100	2,070	4,710	1,920	12,800	16,700	18,300 f	—	—	—	—	—	—	45.83	15.57	—	30.26	2.0
MW-2	06/28/2000	—	52,100	5,150	4,200	1,880	13,300	15,500	13,500 f	—	—	—	—	—	—	45.83	17.79	—	28.04	1.9
MW-2	09/06/2000	—	39,500	4,490	3,290	2,100	14,000	18,500	9,060 f	—	—	—	—	—	—	45.83	18.65	—	27.18	3.5
MW-2	12/14/2000	—	209	3.51	1.11	1.00	64.4	79.4	—	—	—	—	—	—	—	45.83	19.00	—	26.83	1.5
MW-2	03/05/2001	—	38,200	2,010	927	1,250	8,300	13,100	15,400	—	—	—	—	—	—	45.83	16.66	—	29.17	1.0
MW-2	06/11/2001	—	50,000	4,400	2,200	1,800	11,000	—	26,000	—	—	—	—	—	—	45.83	18.93	—	26.90	1.7
MW-2	09/12/2001	—	59,000	6,100	2,800	2,300	14,000	—	21,000	—	—	—	—	—	—	45.83	19.85	—	25.98	1.6
MW-2	12/27/2001	—	74,000	8,600	2,500	2,500	17,000	—	25,000	—	—	—	—	—	—	45.83	17.85	—	27.98	2.6
MW-2	02/27/2002	—	70,000	8,100	2,600	2,100	13,000	—	32,000	—	—	—	—	—	—	45.79	17.15	—	28.64	2.0
MW-2	06/18/2002	—	72,000	9,500	3,000	2,200	13,000	—	29,000	—	—	—	—	—	—	45.79	18.49	—	27.30	0.6
MW-2	09/18/2002	—	48,000	7,600	850	1,300	6,300	—	8,700	—	—	—	—	—	—	45.79	19.95	—	25.84	1.0
MW-2	12/27/2002	—	40,000	5,900	1,200	1,400	7,800	—	19,000	10,000	<50	<50	55	<50	<50	45.79	16.71	—	29.08	1.0
MW-2	03/05/2003	—	62,000	13,000	1,400	2,000	7,900	—	21,000	10,000	—	—	<50	<50	—	45.79	17.72	—	28.07	1.4
MW-2	06/24/2003	—	19,000	9,500	530	700	2,900	—	14,000	6,000	—	—	<400	<100	—	45.79	18.30	—	27.49	1.4
MW-2	09/25/2003	—	65,000	24,000	1,500	2,400	9,700	—	19,000	6,400	—	—	<1,000	<250	—	45.79	20.05	—	25.74	1.3
MW-2	12/15/2003	—	67,000	18,000	1,800	1,900	7,200	—	11,000	3,700	—	—	<400	<100	—	45.79	18.80	—	26.99	0.1
MW-2	03/04/2004	—	72,000	27,000	1,200	2,100	7,600	—	13,000	6,800	—	—	<400	<100	—	45.79	16.75	—	29.04	0.2
MW-2	05/27/2004	—	74,000	6,000	2,000	2,500	15,000	—	19,000	8,500	—	—	<400	<100	—	45.79	18.85	—	26.94	0.8
MW-2	09/24/2004	—	<100	<1.0	<1.0	<1.0	<2.0	—	130	46	<4.0	<4.0	<4.0	19	<1.0	45.79	16.10	—	29.69	5.1
MW-2	11/22/2004	—	8,800	1,200	230	350	1,900	—	2,200	1,300	—	—	<40	<10	—	45.79	19.83	—	25.96	0.3
MW-2	03/02/2005	—	960	150	21	30	220	—	630	460	—	—	<10	<2.5	—	45.79	15.90	—	29.89	0.5
MW-2	06/30/2005	—	970	130	19	27	210	—	320 d	220	—	—	<2.0	0.98	—	45.79	17.14	—	28.65	0.7
MW-2	09/20/2005	—	890	320	10	35	190	—	440	570	<10	<10	<10	<2.5	—	45.79	18.66	—	27.13	0.9
MW-2	12/05/2005	—	690	150	6.1	21	130	—	450	520	—	—	<5.0	<5.0	—	45.79	18.58	—	27.21	0.51
MW-2	03/02/2006	—	11,000 f	2,700 f	150 f	440 f	2,300 f	—	1,600 f	3,800 f	—	—	5.7	<0.50 h	—	45.79	16.30	—	29.49	1.2

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-2	06/29/2006	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	45.79	—	—	—	—
MW-2	06/30/2006	—	3,870	177	33.1	55.5	311	—	1,560	1,180	—	—	4.90	<0.500	—	45.79	16.72	—	29.07	0.58
MW-2	07/06/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.79	16.86	—	28.93	—
MW-2	09/11/2006	—	10,700	1,010	134	211	1,280	—	2,780	1,850	<0.500	<0.500	45.7	<0.500	—	45.79	17.86	—	27.93	1.03
MW-2	12/28/2006	—	29,000	2,600	550	1,000	5,600	—	2,500	3,300	—	—	<50	<12	—	45.79	17.45	—	28.34	1.09
MW-2	03/20/2007	—	57,600	14,200 i	4,150 i	4,310 i	22,400 i	—	6,240 i	<10,000 i	—	—	<200 i	<100 i	—	45.79	17.28	—	28.51	0.18
MW-2	06/26/2007	—	39,000 j	3,400	2,300	2,200	12,900	—	3,300	3,400	—	—	<100	<25	—	45.79	18.64	—	27.15	0.30
MW-2	09/11/2007	—	30,000 j	4,000	2,500	2,500	13,000	—	2,600	2,600	<100	<100	<100	<25	—	45.79	19.57	—	26.22	1.14
MW-2	12/26/2007	—	43,000 j	6,200	2,200	2,800	17,600	—	2,200	2,000	—	—	<50	<12	—	45.79	18.78	—	27.01	3.2
MW-2	03/19/2008	—	19,000 j	2,400	1,800	1,200	6,000	—	910	1,000	—	—	<200	<50	—	45.79	17.32	—	28.47	0.06
MW-2	05/29/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.79	18.40	—	27.39	—
MW-2	06/05/2008	—	68,000	7,400	2,600	2,800	14,100	—	2,600	1,800	<100	<100	<100	<25	—	45.79	18.71	—	27.08	0.28
MW-2	07/22/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.79	19.48	—	26.31	—
MW-2	09/29/2008	—	84,000	2,600	6,900	3,400	19,300	—	620	<500	<100	<100	<100	<25	—	45.79	24.50	—	21.29	1.37
MW-2	Well destroyed		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2B	10/31/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44.96	20.20	—	24.76	—
MW-2B	12/19/2008	—	1,300	43	2.0	<1.0	65	—	50	—	—	—	—	—	—	44.96	19.60	—	25.36	0.48
MW-2B	03/10/2009	—	800	58	1.3	<1.0	4.2	—	110	—	—	—	—	—	—	44.96	16.10	—	28.86	0.69
MW-2B	06/03/2009	—	28,000	8,600	<500	<500	<500	—	5,000	—	—	—	—	—	—	44.96	18.36	—	26.60	0.06
MW-2B	06/26/2009	—	12,000	3,100	5.2	<2.0	11	—	3,600	—	—	—	—	—	—	44.96	18.84	—	26.12	0.76
MW-2B	09/30/2009	270 l,m	10,000	1,500	<25	<25	<25	—	3,300	2,700	<50	<50	<50	—	—	44.96	20.30	—	24.66	0.26
MW-2B	03/05/2010	—	6,400	210	<20	<20	<20	—	2,400	—	—	—	—	—	—	44.96	15.56	—	29.40	0.16
MW-2B	09/16/2010	—	1,300	16	<10	<10	<10	—	1,600	310	<20	<20	<20	—	—	44.96	18.69	—	26.27	1.50
MW-2B	03/18/2011	—	270	1.0	37	9.0	72	—	5.1	—	—	—	—	—	—	44.96	16.78	—	28.18	0.91
MW-2B	09/27/2011	—	290	43	27	12	43	—	120	52	<1.0	<1.0	<1.0	—	—	44.96	17.87	—	27.09	1.16
MW-2B	03/09/2012	—	69	3.7	2.3	1.2	2.8	—	49	—	—	—	—	—	—	44.96	18.30	—	26.66	0.67
MW-2B	**09/20/2012**	**—**	**120**	**1.2**	**<0.50**	**<0.50**	**<1.0**	**—**	**92**	**<10**	**<0.50**	**<0.50**	**<0.50**	**—**	**—**	**44.96**	**19.15**	**—**	**25.81**	**3.60**
MW-3	02/13/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.97	27.97	—	24.00	—
MW-3	02/24/1992	1,300 a	4,500	97	<5	78	18	—	—	—	—	—	—	—	—	51.97	25.60	—	26.37	—
MW-3	02/27/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.97	25.88	—	26.09	—
MW-3	03/01/1992	440	2,200	69	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	51.97	26.00	—	25.97	—
MW-3	06/03/1992	—	4,100	13	72	44	65	—	—	—	—	—	—	—	—	51.97	27.70	—	24.27	—
MW-3	09/01/1992	—	1,900	20	6.8	5.5	<5	—	—	—	—	—	—	—	—	51.97	29.46	—	22.51	—
MW-3 (D)	09/01/1992	—	1,900	21	6.6	3.4	<5	—	—	—	—	—	—	—	—	51.97	—	—	—	—
MW-3	10/06/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.97	30.01	—	21.96	—
MW-3	11/11/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.97	30.26	—	21.71	—
MW-3	12/04/1992	—	2,400	8.2	<5	<5	<5	—	—	—	—	—	—	—	—	51.97	29.93	—	22.04	—

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
W-3 (D)	12/04/1992	—	2,100	11	<0.5	5.7	<0.5	—	—	—	—	—	—	—	—	51.97	—	—	—	—
MW-3	01/22/1993	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.97	22.76	—	29.21	—
MW-3	02/10/1993	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.97	21.40	—	30.57	—
MW-3	03/03/1993	—	5,100	63	61	75	150	—	—	—	—	—	—	—	—	51.97	23.08	—	28.89	—
MW-3	05/11/1993	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.97	24.51	—	27.46	—
MW-3	06/17/1993	—	4,000	94	140	82	150	—	—	—	—	—	—	—	—	51.97	25.21	—	26.76	—
MW-3	09/10/1993	—	3,200	140	12.5	12.5	12.5	—	—	—	—	—	—	—	—	51.97	26.95	—	25.02	—
MW-3	12/13/1993	—	6,200	<12.5	<12.5	<12.5	<12.5	—	—	—	—	—	—	—	—	51.97	26.52	—	25.45	—
MW-3	03/03/1994	—	4,500	73	<5	<5	<5	—	—	—	—	—	—	—	—	51.97	24.50	—	27.47	—
MW-3	06/06/1994	—	3,200	<0.5	<0.5	3.1	<0.5	—	—	—	—	—	—	—	—	51.97	26.33	—	25.64	—
MW-3	09/12/1994	—	3,900	<0.5	<0.5	9.6	4.1	—	—	—	—	—	—	—	—	51.97	27.98	—	23.99	—
MW-3	12/19/1994	—	2,400	21	22	4.2	2.6	—	—	—	—	—	—	—	—	51.97	25.63	—	26.34	—
MW-3	02/28/1995	—	4,000	58	<0.5	7.1	3.5	—	—	—	—	—	—	—	—	51.97	23.45	—	28.52	—
MW-3	03/24/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.97	21.07	—	30.90	—
MW-3	06/26/1995	—	3,900	8.1	<0.5	12	2.4	—	—	—	—	—	—	—	—	51.97	23.64	—	28.33	—
MW-3	09/13/1995	—	4,100	58	5.5	5.5	<0.5	—	—	—	—	—	—	—	—	51.97	25.40	—	26.57	—
MW-3	12/19/1995	—	3,600	<0.5	4.3	2.1	1.1	—	—	—	—	—	—	—	—	51.97	24.53	—	27.44	—
MW-3	03/07/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.97	21.59	0.04	30.41	—
MW-3	06/28/1996	—	2,400	55	<0.5	<0.5	11	120	—	—	—	—	—	—	—	51.97	23.95	—	28.02	—
MW-3	09/26/1996	—	2,500	<5.0	<5.0	<5.0	<5.0	160	—	—	—	—	—	—	—	51.97	25.89	—	26.08	—
MW-3	12/10/1996	—	1,600	28	4.2	<2.0	3.9	110	—	—	—	—	—	—	—	51.97	24.22	—	27.75	0.8
MW-3	03/10/1997	—	130	<0.50	<0.50	<0.50	1.4	4.2	—	—	—	—	—	—	—	51.97	23.05	—	28.92	2.8
MW-3	06/30/1997	—	1,200	21	2.3	<2.0	<2.0	69	—	—	—	—	—	—	—	51.97	24.34	—	27.63	2.3
MW-3	09/12/1997	—	440	8.3	0.82	<0.50	1.9	3.4	—	—	—	—	—	—	—	51.97	24.47	—	27.50	1.9
MW-3	12/18/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.97	23.54	—	28.43	0.8
MW-3	02/02/1998	—	400	9.3	0.68	<0.50	<0.50	9.0	—	—	—	—	—	—	—	51.97	21.92	—	30.05	1.5
MW-3	06/24/1998	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	51.97	22.35	—	29.62	1.9
MW-3	08/26/1998	—	140	7.4	<0.50	<0.50	2.5	13	—	—	—	—	—	—	—	51.97	23.45	—	28.52	1.3
MW-3	12/23/1998	—	1,200	50	<2.0	<2.0	<2.0	69	—	—	—	—	—	—	—	51.97	24.01	—	27.96	4.2
MW-3	03/01/1999	—	2,550	<0.500	<0.500	<0.500	0.658	32.4	—	—	—	—	—	—	—	51.97	22.08	—	29.89	2.0
MW-3	06/14/1999	—	514	18.1	0.728	<0.500	<0.500	15.9	—	—	—	—	—	—	—	51.97	23.15	—	28.82	1.7
MW-3	09/28/1999	—	1,180	<1.00	<1.00	<1.00	<1.00	<10.0	—	—	—	—	—	—	—	51.97	25.36	—	26.61	1.2
MW-3	12/08/1999	—	1,740	71.5	23.0	24.2	61.3	103	—	—	—	—	—	—	—	51.97	25.75	—	26.22	2.0
MW-3	03/14/2000	—	1,410	5.63	35.6	<5.00	8.41	38.7	—	—	—	—	—	—	—	51.97	21.64	—	30.33	2.1
MW-3	06/28/2000	—	2,460	<5.00	9.48	<5.00	28.4	64.0	—	—	—	—	—	—	—	51.97	23.84	—	28.13	2.87
MW-3	09/06/2000	—	887	<1.00	<1.00	<1.00	<1.00	<10.0	—	—	—	—	—	—	—	51.97	24.73	—	27.24	2.0
MW-3	12/14/2000	—	955	25.4	1.96	<0.500	1.13	10.2	—	—	—	—	—	—	—	51.97	25.45	—	26.52	2.1
MW-3	03/05/2001	—	2,100	4.90	56.5	<2.00	3.62	261	—	—	—	—	—	—	—	51.97	22.83	—	29.14	0.8
MW-3	06/11/2001	—	2,000	1.0	<0.50	<0.50	<0.50	—	<0.50	—	—	—	—	—	—	51.97	25.20	—	26.77	0.7

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

ell ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
W-3	09/12/2001	—	1,500	0.50	0.54	<0.50	1.8	—	<5.0	—	—	—	—	—	—	51.97	26.15	—	25.82	1.5
W-3	12/27/2001	—	2,100	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	51.97	23.67	—	28.30	1.9
W-3	02/27/2002	—	2,300	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	51.92	23.23	—	28.69	1.5
W-3	06/18/2002	—	2,000	<0.50	<0.50	<0.50	<0.50	—	<0.50	—	—	—	—	—	—	51.92	24.74	—	27.18	2.0
W-3	09/18/2002	—	2,600	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	51.92	26.05	—	25.87	1.4
W-3	12/27/2002	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	51.92	—	—	—	—
W-3	03/05/2003	—	2,300	<0.50	<0.50	<0.50	<0.50	—	<5.0	<50	—	—	<2.0	13	—	51.92	23.84	—	28.08	1.3
W-3	06/24/2003	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	51.92	—	—	—	—
W-3	06/25/2003	—	1,800 b	0.71	<0.50	<0.50	<1.0	—	0.54	<5.0	—	—	<2.0	1.1	—	51.92	24.48	—	27.44	1.3
W-3	09/25/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	25.99	—	25.93	—
W-3	12/15/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	24.94	—	26.98	—
W-3	03/04/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	22.50	—	29.42	—
W-3	05/27/2004	—	2,500	<0.50	<0.50	<0.50	<1.0	—	1.1	<5.0	—	—	<2.0	0.82	—	51.92	24.94	—	26.98	0.5
W-3	09/24/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	26.55	—	25.37	—
W-3	11/22/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	25.92	—	26.00	—
W-3	03/02/2005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	22.12	—	29.80	—
W-3	06/30/2005	—	3,700	<2.0	2.4	<2.0	<4.0	—	<2.0	<20	<8.0	<8.0	<8.0	<2.0	—	51.92	23.31	—	28.61	1.2
W-3	09/20/2005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	24.78	—	27.14	—
W-3	12/05/2005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	24.65	—	27.27	—
W-3	03/02/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	22.56	—	29.36	—
W-3	06/29/2006	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	51.92	—	—	—	—
W-3	06/30/2006	—	1,580	<0.500	<0.500	<0.500	<0.500	—	<0.500	<10.0	<0.500	<0.500	<0.500	5.95	—	51.92	22.89	—	29.03	0.49
W-3	07/06/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	22.99	—	28.93	—
W-3	09/11/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	23.92	—	28.00	—
W-3	12/28/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	23.68	—	28.24	—
W-3	03/20/2007	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	23.91	—	28.01	—
W-3	06/26/2007	—	1,400 j	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	44	—	51.92	25.10	—	26.82	1.77
W-3	09/11/2007	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	23.41	—	28.51	—
W-3	12/26/2007	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	25.15	—	26.77	—
W-3	03/19/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	23.81	—	28.11	—
W-3	06/05/2008	—	3,600	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	33	—	51.92	25.08	—	26.84	0.10
W-3	09/29/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	26.85	—	25.07	—
W-3	12/19/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	26.47	—	25.45	—
W-3	03/10/2009	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	23.13	—	28.79	—
W-3	06/03/2009	—	2,000	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	12	—	51.92	25.24	—	26.68	1.11
W-3	09/30/2009	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	27.16	—	24.76	—
W-3	03/05/2010	—	2,300	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	9.9	—	51.92	22.54	—	29.38	0.14
W-3	09/16/2010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	25.75	—	26.17	—
W-3	03/18/2011	—	1,800	<0.50	<0.50	<0.50	<1.0	—	1.5	<10	<1.0	<1.0	<1.0	15	—	51.92	23.17	—	28.75	0.48

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

ell ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
AW-3	09/27/2011	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.92	24.81	—	27.11	—
AW-3	03/09/2012	—	1,900	<1.3	<1.3	<1.3	<2.5	—	2.3	<25	<1.3	<1.3	<1.3	55	—	51.92	25.17	—	26.75	0.41
AW-3	**09/20/2012**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**51.92**	**26.13**	**—**	**25.79**	**—**
AW-4	03/24/1995	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	40.51	9.16	—	31.35	—
AW-4	06/26/1995	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	40.51	12.06	—	28.45	—
AW-4	09/13/1995	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	40.51	13.90	—	26.61	—
AW-4	12/19/1995	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	40.51	12.90	—	27.61	—
AW-4	03/06/1996	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	40.51	9.63	—	30.88	—
AW-4	06/28/1996	—	40	<0.5	0.59	0.97	3.8	26	—	—	—	—	—	—	—	40.51	12.30	—	28.21	—
AW-4	09/26/1996	—	<50	<0.5	<0.5	<0.5	<0.5	<2.5	—	—	—	—	—	—	—	40.51	14.12	—	26.39	—
AW-4	12/10/1996	—	<50	<0.5	<0.5	<0.5	<0.5	<2.5	—	—	—	—	—	—	—	40.51	12.31	—	28.20	1.2
AW-4	03/10/1997	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	40.51	11.34	—	29.17	—
AW-4	06/30/1997	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	40.51	13.80	—	26.71	1.9
AW-4	09/12/1997	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	40.51	13.99	—	26.52	1.7
AW-4	12/18/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.51	12.02	—	28.49	1.8
AW-4	02/02/1998	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	40.51	11.23	—	29.28	1
AW-4	06/24/1998	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	40.51	10.58	—	29.93	1.9
AW-4	08/26/1998	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	40.51	11.75	—	28.76	1.2
AW-4	12/23/1998	—	<50	0.60	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	40.51	12.41	—	28.10	4.2
AW-4	03/01/1999	—	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	—	—	—	—	—	—	—	40.51	10.38	—	30.13	2.1
AW-4	06/14/1999	—	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	40.51	11.91	—	28.60	2.4
AW-4	09/28/1999	—	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	—	—	—	—	—	—	—	40.51	10.19	—	30.32	2.2
AW-4	12/08/1999	—	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	40.51	10.67	—	29.84	1.8
AW-4	03/14/2000	—	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	40.51	9.95	—	30.56	2.5
AW-4	06/28/2000	—	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	40.51	12.22	—	28.29	0.9
AW-4	09/06/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.51	13.17	—	27.34	3.0
AW-4	12/14/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.51	8.65	—	31.86	—
AW-4	03/05/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.51	11.07	—	29.44	—
AW-4	06/11/2001	—	<50	<0.50	<0.50	<0.50	<0.50	—	<0.50	—	—	—	—	—	—	40.51	13.62	—	26.89	1.3
AW-4	09/12/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.51	14.61	—	25.90	—
AW-4	12/27/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.51	12.19	—	28.32	—
AW-4	02/27/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	11.64	—	28.81	—
AW-4	06/18/2002	—	<50	<0.50	<0.50	<0.50	<0.50	—	<0.50	—	—	—	—	—	—	40.45	13.22	—	27.23	0.6
AW-4	09/18/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	14.46	—	25.99	—
AW-4	12/27/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	11.23	—	29.22	—
AW-4	03/05/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	12.22	—	28.23	—
AW-4	06/24/2003	—	57 b	<0.50	<0.50	<0.50	<1.0	—	12	—	—	—	—	—	—	40.45	12.79	—	27.66	1.6
AW-4	09/25/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	14.45	—	26.00	—

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

ell ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
W-4	12/15/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	13.24	—	27.21	—
W-4	03/04/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	10.93	—	29.52	—
W-4	05/27/2004	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	40.45	13.42	—	27.03	0.5
W-4	09/24/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	15.11	—	25.34	—
W-4	11/22/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	14.42	—	26.03	—
W-4	03/02/2005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	10.17	—	30.28	—
W-4	06/30/2005	—	<50 c	<0.50	<0.50	<0.50	<1.0	—	<0.50	<5.0	<2.0	<2.0	<2.0	—	—	40.45	11.60	—	28.85	0.8
W-4	09/20/2005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	13.18	—	27.27	—
W-4	12/05/2005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	13.08	—	27.37	—
W-4	03/02/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	10.62	—	29.83	—
W-4	06/29/2006	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	40.45	—	—	—	—
W-4	06/30/2006	—	<50.0	<0.500	<0.500	<0.500	<0.500	—	<0.500	<10.0	<0.500	<0.500	<0.500	—	—	40.45	11.20	—	29.25	0.44
W-4	07/06/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	11.22	—	29.23	—
W-4	09/11/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	12.29	—	28.16	—
W-4	12/28/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	11.71	—	28.74	—
W-4	03/20/2007	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	11.99	—	28.46	—
W-4	06/26/2007	—	59 j	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	40.45	13.60	—	26.85	3.69
W-4	09/11/2007	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	11.61	—	28.84	—
W-4	12/26/2007	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	13.72	—	26.73	—
W-4	03/19/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	12.19	—	28.26	—
W-4	06/05/2008	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	40.45	13.62	—	26.83	0.09
W-4	09/29/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	15.55	—	24.90	—
W-4	12/19/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	15.03	—	25.42	—
W-4	03/10/2009	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	11.55	—	28.90	—
W-4	06/03/2009	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	40.45	13.78	—	26.67	0.05
W-4	09/30/2009	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	15.76	—	24.69	—
W-4	03/05/2010	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	40.45	10.85	—	29.60	0.25
W-4	09/16/2010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	14.10	—	26.35	—
W-4	03/18/2011	—	<50	<0.50	<0.50	<0.50	<1.0	—	<1.0	<10	<1.0	<1.0	<1.0	—	—	40.45	11.08	—	29.37	0.89
W-4	09/27/2011	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.45	13.20	—	27.25	—
W-4	03/09/2012	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	<10	<0.50	<0.50	<0.50	—	—	40.45	13.64	—	26.81	0.12
W-4	**09/20/2012**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	**40.45**	**14.52**	—	**25.93**	—
W-5	01/29/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	41.46	12.82	—	28.64	—
W-5	02/27/2002	—	190	<0.50	<0.50	0.85	1.5	—	<5.0	—	—	—	—	—	—	41.46	12.85	—	28.61	1.9
W-5	06/18/2002	—	650	1.4	3.0	52	28	—	<0.50	—	—	—	—	—	—	41.46	13.65	—	27.81	0.8
W-5	09/18/2002	—	390	0.72	0.51	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	41.46	15.57	—	25.89	1.1
W-5	12/27/2002	—	380	<0.50	<0.50	0.56	<0.50	—	<0.50	<50	<2.0	<2.0	<2.0	<2.0	<2.0	41.46	12.51	—	28.95	1.9
W-5	03/05/2003	—	290	<0.50	1.7	9.4	22	—	<5.0	—	—	—	—	—	—	41.46	13.39	—	28.07	2.6

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-5	06/24/2003	—	220	<0.50	1.0	19	1.3	—	<0.50	—	—	—	—	—	—	41.46	13.91	—	27.55	1.7
MW-5	09/25/2003	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.46	15.58	—	25.88	2.1
MW-5	12/15/2003	—	200 b	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.46	14.45	—	27.01	0.21
MW-5	03/04/2004	—	170 b	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.46	12.52	—	28.94	0.1
MW-5	05/27/2004	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.46	14.49	—	26.97	0.5
MW-5	09/24/2004	—	<50	0.71	<0.50	<0.50	<1.0	—	<0.50	<5.0	<2.0	<2.0	<2.0	—	—	41.46	16.08	—	25.38	1.7
MW-5	11/22/2004	—	<50 c	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.46	15.48	—	25.98	0.3
MW-5	03/02/2005	—	190	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	—	—	<2.0	<0.50	—	41.46	11.52	—	29.94	0.4
MW-5	06/30/2005	—	3,200	<5.0	25	200	270	—	<5.0	—	—	—	—	—	—	41.46	12.33	—	29.13	0.9
MW-5	09/20/2005	—	310	<0.50	1.3	47	2.5	—	<0.50	<5.0	<2.0	<2.0	<2.0	—	—	41.46	14.36	—	27.10	0.5
MW-5	12/05/2005	—	250	<0.50	0.94	26	<0.50	—	<0.50	—	—	—	—	—	—	41.46	14.25	—	27.21	0.58
MW-5	03/02/2006	—	3,000 f	<0.50	17	230 f	390 f	—	<0.50	—	—	—	—	—	—	41.46	11.87	—	29.59	0.7
MW-5	06/29/2006	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	41.46	—	—	—	—
MW-5	06/30/2006	—	729	<0.500	1.00	43.2	21.7	—	<0.500	—	—	—	—	—	—	41.46	12.49	—	28.97	0.67
MW-5	07/06/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	41.46	12.58	—	28.88	—
MW-5	09/11/2006	—	<50.0	<0.500	<0.500	<0.500	1.29	—	<0.500	<10.0	<0.500	<0.500	<0.500	—	—	41.46	13.54	—	27.92	0.78
MW-5	12/28/2006	—	330	<0.50	<0.50	8.6	<1.0	—	<0.50	—	—	—	—	—	—	41.46	13.25	—	28.21	0.59
MW-5	03/20/2007	—	358	<0.500	<0.500	<0.500	<1.00	—	<0.500	—	—	—	—	—	—	41.46	13.28	—	28.18	0.11
MW-5	06/26/2007	—	120 j	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.46	14.68	—	26.78	4.72
MW-5	09/11/2007	—	<50 j	0.19 k	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	41.46	15.57	—	25.89	0.84
MW-5	12/26/2007	—	110 j, l	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.46	14.76	—	26.70	0.8
MW-5	03/19/2008	—	2,000	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.46	13.34	—	28.12	0.31
MW-5	06/05/2008	—	2,000	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.46	14.63	—	26.83	0.10
MW-5	09/29/2008	—	830	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	41.46	16.45	—	25.01	1.13
MW-5	12/19/2008	—	58	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.46	16.04	—	25.42	0.62
MW-5	03/10/2009	—	820	<0.50	<1.0	13	10	—	<1.0	—	—	—	—	—	—	41.46	12.77	—	28.69	0.37
MW-5	06/03/2009	—	1,300	<0.50	1.1	68	94	—	<1.0	—	—	—	—	—	—	41.46	14.83	—	26.63	0.86
MW-5	09/30/2009	—	1,500	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	41.46	16.72	—	24.74	0.14
MW-5	03/05/2010	—	190	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.46	11.96	—	29.50	0.28
MW-5	09/16/2010	—	700	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	41.46	15.24	—	26.22	0.47
MW-5	03/18/2011	—	230	<0.50	<0.50	<0.50	<1.0	—	<1.0	—	—	—	—	—	—	41.46	12.41	—	29.05	0.58
MW-5	09/27/2011	—	<50	<0.50	<0.50	<0.50	<1.0	—	<1.0	<10	<1.0	<1.0	<1.0	—	—	41.46	14.40	—	27.06	0.34
MW-5	03/09/2012	—	910	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.46	14.77	—	26.69	0.22
MW-5	**09/20/2012**	**—**	**620**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**—**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**—**	**—**	**41.46**	**15.68**	**—**	**25.78**	**0.28**
MW-6	01/29/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	41.50	3.88	—	37.62	—
MW-6	01/31/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	41.50	12.43	—	29.07	—
MW-6	02/27/2002	—	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	41.50	12.82	—	28.68	4.1
MW-6	06/18/2002	—	<50	<0.50	<0.50	<0.50	<0.50	—	<0.50	—	—	—	—	—	—	41.50	4.26	—	37.24	3.9

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-6	09/18/2002	—	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	41.50	5.26	—	36.24	4.2
MW-6	12/27/2002	—	<50	<0.50	<0.50	<0.50	<0.50	—	<0.50	<50	<2.0	<2.0	<2.0	<2.0	<2.0	41.50	12.11	—	29.39	3.0
MW-6	03/05/2003	—	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	41.50	13.47	—	28.03	4.9
MW-6	06/24/2003	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.50	13.71	—	27.79	5.8
MW-6	09/25/2003	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	41.50	—	—	—	—
MW-6	12/15/2003	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.50	13.17	—	28.33	5.7
MW-6	03/04/2004	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.50	11.15	—	30.35	1.0
MW-6	05/27/2004	—	<50	0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.50	13.68	—	27.82	1.0
MW-6	09/24/2004	—	<50 c	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.50	10.71	—	30.79	3.1
MW-6	11/22/2004	—	<100	0.65	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.50	7.60	—	33.90	6.5
MW-6	03/02/2005	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	—	—	—	<2.0	<0.50	41.50	6.77	—	34.73	6.2
MW-6	06/30/2005	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.50	12.87	—	28.63	1.2
MW-6	09/20/2005	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.50	14.16	—	27.34	5.5
MW-6	12/05/2005	—	<50	<0.50	<0.50	<0.50	<0.50	—	<0.50	—	—	—	—	—	—	41.50	14.23	—	27.27	2.40
MW-6	03/02/2006	—	58 g	<0.50	<0.50	0.73	1.5	—	—	—	—	—	—	—	—	41.50	11.40	—	30.10	1.2
MW-6	06/29/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	41.50	12.49	—	29.01	0.41
MW-6	06/30/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	41.50	12.35	—	29.15	—
MW-6	07/06/2006	—	<50.0	<0.500	<0.500	<0.500	<0.500	—	<0.500	—	—	—	—	—	—	41.50	12.66	—	28.84	0.30
MW-6	09/11/2006	—	<50.0	<0.500	<0.500	<0.500	0.530	—	<0.500	—	—	—	—	—	—	41.50	13.33	—	28.17	1.16
MW-6	12/28/2006	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.50	13.15	—	28.35	1.0
MW-6	03/20/2007	—	<50.0	<0.500	<0.500	<0.500	<1.00	—	<0.500	—	—	—	—	—	—	41.50	13.24	—	28.26	5.60
MW-6	06/26/2007	—	60 j	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.50	14.60	—	26.90	5.46
MW-6	09/11/2007	—	<50 j	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.50	15.39	—	26.11	1.16
MW-6	12/26/2007	—	<50 j	0.27 k	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.50	14.69	—	26.81	3.1
MW-6	03/19/2008	—	1,500	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.50	12.93	—	28.57	0.30
MW-6	06/05/2008	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.50	14.61	—	26.89	0.09
MW-6	09/29/2008	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.50	15.62	—	25.88	2.26
MW-6	12/19/2008	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.50	14.45	—	27.05	1.82
MW-6	03/10/2009	—	76	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.50	11.58	—	29.92	0.57
MW-6	06/03/2009	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.50	14.19	—	27.31	2.25
MW-6	09/30/2009	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.50	14.95	—	26.55	0.32
MW-6	03/05/2010	—	57	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.50	10.98	—	30.52	1.12
MW-6	09/16/2010	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.50	15.00	—	26.50	3.65
MW-6	03/18/2011	—	<50	<0.50	<0.50	<0.50	<1.0	—	<1.0	—	—	—	—	—	—	41.50	12.04	—	29.46	2.01
MW-6	09/27/2011	—	<50	<0.50	<0.50	<0.50	<1.0	—	<1.0	—	—	—	—	—	—	41.50	14.51	—	26.99	0.54
MW-6	03/09/2012	—	<50	<0.50	<0.50	<0.50	<1.0	—	<1.0	—	—	—	—	—	—	41.50	14.78	—	26.72	2.04
MW-6	09/20/2012	—							<0.50							41:50	15.54		25.96	0.57
MW-7	10/21/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44.45	18.90	—	25.55	—

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
W-7	12/27/2002	—	49,000	830	980	2,000	5,200	—	<10	<100	<10	<10	<10	<10	<10	44.45	15.43	—	29.02	2.1
W-7	03/05/2003	—	32,000	370	490	1,600	2,900	—	<100	—	—	—	—	—	—	44.45	16.34	—	28.11	2.6
W-7	06/24/2003	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	44.45	—	—	—	—
W-7	09/25/2003	—	8,700	57	34	450	290	—	<5.0	—	—	—	—	—	—	44.45	18.36	—	26.09	1.2
W-7	12/15/2003	—	27,000	170	260	1,200	1,500	—	<10	—	—	—	—	—	—	44.45	17.44	—	27.01	1.3
W-7	03/04/2004	—	13,000	200	190	1,200	1,200	—	<5.0	—	—	—	—	—	—	44.45	15.45	—	29.00	0.1
W-7	05/27/2004	—	16,000	76	56	860	420	—	<5.0	—	—	—	—	—	—	44.45	17.50	—	26.95	0.5
W-7	09/24/2004	—	8,400	26	14	340	200	—	<5.0	<50	<20	<20	<20	—	—	44.45	18.94	—	25.51	1.1
W-7	11/22/2004	—	14,000	92	60	790	730	—	<5.0	—	—	—	—	—	—	44.45	18.47	—	25.98	0.2
W-7	03/02/2005	—	13,000	130	140	740	980	—	<10	<100	—	—	<20	<5.0	—	44.45	14.53	—	29.92	0.7
W-7	06/30/2005	—	9,900	27	48	380	520	—	<10	—	—	—	—	—	—	44.45	15.92	—	28.53	0.9
W-7	09/20/2005	—	7,700	30	53	380	570	—	<5.0	<50	36	<20	<20	—	—	44.45	17.28	—	27.17	1.4
W-7	12/05/2005	—	2,900	20	<2.5	270	19	—	<2.5	—	—	—	—	—	—	44.45	17.40	—	27.05	0.56
W-7	03/02/2006	—	3,900 f	27	31	240 f	190	—	1.1	—	—	—	—	—	—	44.45	15.00	—	29.45	0.9
W-7	06/29/2006	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	44.45	—	—	—	—
W-7	06/30/2006	—	10,800	13.8	49.4	474	640	—	<0.500	—	—	—	—	—	—	44.45	15.35	—	29.10	0.54
W-7	07/06/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44.45	15.41	—	29.04	—
W-7	09/11/2006	—	7,210	4.38	3.96	188	91.6	—	<0.500	<10.0	<0.500	<0.500	<0.500	—	—	44.45	16.33	—	28.12	0.82
W-7	12/28/2006	—	3,100	4.8	5.2	190	160	—	<1.0	—	—	—	—	—	—	44.45	16.22	—	28.23	0.78
W-7	03/20/2007	—	5,960	11.3	20.6	223	291	—	<0.500	—	—	—	—	—	—	44.45	16.26	—	28.19	1.10
W-7	06/26/2007	—	7,900 j	5.3	15	410	459	—	<5.0	—	—	—	—	—	—	44.45	17.60	—	26.85	0.83
W-7	09/11/2007	—	4,100 j	1.9	0.66 k	130	25.6	—	<1.0	<10	0.42 k	<2.0	<2.0	—	—	44.45	18.63	—	25.82	0.97
W-7	12/26/2007	—	6,100 j	5.9	7.6	290	348	—	<5.0	—	—	—	—	—	—	44.45	17.72	—	26.73	1.3
W-7	03/19/2008	—	2,700	5.0	2.4	110	97.9	—	<1.0	—	—	—	—	—	—	44.45	16.36	—	28.09	0.47
W-7	06/05/2008	—	6,400	3.8	<5.0	220	253	—	<5.0	—	—	—	—	—	—	44.45	17.65	—	26.80	0.09
W-7	09/29/2008	—	2,500	1.6	<1.0	40	8.1	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	44.45	19.40	—	25.05	1.26
W-7	12/19/2008	—	5,600	5.4	<5.0	110	97.0	—	<5.0	—	—	—	—	—	—	44.45	19.17	—	25.28	2.11
W-7	03/10/2009	—	3,400	22	<5.0	94	92	—	<5.0	—	—	—	—	—	—	44.45	16.21	—	28.24	1.85
W-7	06/03/2009	—	3,500	6.3	1.5	71	78	—	<1.0	—	—	—	—	—	—	44.45	17.75	—	26.70	0.62
W-7	09/30/2009	—	7,900	5.1	1.2	84	98	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	44.45	19.64	—	24.81	0.15
W-7	03/05/2010	—	3,800	12	2.0	66	100	—	<1.0	—	—	—	—	—	—	44.45	15.37	—	29.08	0.26
W-7	09/16/2010	—	2,900	3.2	1.5	70	120	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	44.45	18.28	—	26.17	0.45
W-7	03/18/2011	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	44.45	—	—	—	—
W-7	03/31/2011	—	2,600	4.4	1.4	55	100		<1.0	—	—	—	—	—	—	44.45	14.95	—	29.50	2.99
W-7	09/27/2011	—	2,900	1.2	1.0	53	100	—	<1.0	<10	<1.0	<1.0	<1.0	—	—	44.45	17.30	—	27.15	1.55
W-7	03/09/2012	—	2,900	<0.50	1.3	46	100	—	<0.50	—	—	—	—	—	—	44.45	17.68	—	26.77	0.17
W-7	09/20/2012	—	3,600	<0.50	<0.50	31	67	—	<0.50	<10	<0.50	<0.50	<0.50	—	—	44.45	18.83	—	25.62	1.04
W-8	10/21/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	43.27	17.70	—	25.57	—

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-8	12/27/2002	—	30,000	280	220	2,000	5,300	—	<10	<100	<10	<10	<10	<10	<10	43.27	14.25	—	29.02	1.2
MW-8	03/05/2003	—	30,000	220	150	2,100	4,200	—	<100	—	—	—	—	—	—	43.27	15.36	—	27.91	1.3
MW-8	06/24/2003	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	43.27	—	—	—	—
MW-8	09/25/2003	—	26,000	240	53	1,600	2,600	—	<50	—	—	—	—	—	—	43.27	17.43	—	25.84	1.0
MW-8	12/15/2003	—	38,000	290	140	2,200	5,200	—	<13	—	—	—	—	—	—	43.27	16.24	—	27.03	0.4
MW-8	03/04/2004	—	19,000	180	95	1,400	3,900	—	<13	—	—	—	—	—	—	43.27	14.63	—	28.64	0.1
MW-8	05/27/2004	—	19,000	230	41	1,100	2,200	—	<13	—	—	—	—	—	—	43.27	16.41	—	26.86	0.5
MW-8	09/24/2004	—	21,000	270	42	1,200	2,600	—	<13	<130	<50	<50	<50	—	—	43.27	18.10	—	25.17	0.7
MW-8	11/22/2004	—	24,000	200	64	1,400	4,100	—	<13	—	—	—	—	—	—	43.27	17.28	—	25.99	1.0
MW-8	03/02/2005	—	16,000	100	44	890	2,300	—	<10	<100	—	—	<20	<5.0	—	43.27	13.35	—	29.92	0.6
MW-8	06/30/2005	—	19,000	110	41	700	2,100	—	<10	—	—	—	—	—	—	43.27	14.91	—	28.36	0.8
MW-8	09/20/2005	—	10,000	86	25	600	1,400	—	<10	<100	<40	<40	<40	—	—	43.27	16.11	—	27.16	0.8
MW-8	12/05/2005	—	9,900	130	16	600	1,300	—	<10	—	—	—	—	—	—	43.27	16.20	—	27.07	0.56
MW-8	03/02/2006	—	13,000 f	130 f	45	790 f	2,000 f	—	0.54	—	—	—	—	—	—	43.27	14.28	—	28.99	1.1
MW-8	06/29/2006	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	43.27	—	—	—	—
MW-8	06/30/2006	—	14,900	71.8	14.1	622	1,390	—	<0.500	—	—	—	—	—	—	43.27	14.18	—	29.09	0.50
MW-8	07/06/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	43.27	14.39	—	28.88	—
MW-8	09/11/2006	—	18,700	94.2	11.2	683	1,280	—	<0.500	<10.0	<0.500	<0.500	<0.500	—	—	43.27	15.10	—	28.17	0.92
MW-8	12/28/2006	—	9,000	54	7.1	430	980	—	<2.5	—	—	—	—	—	—	43.27	15.15	—	28.12	0.93
MW-8	03/20/2007	—	7,780	40.4	9.21	230	499	—	0.840	—	—	—	—	—	—	43.27	15.01	—	28.26	0.11
MW-8	06/26/2007	—	7,500 j	36	5.5	360	860	—	<5.0	—	—	—	—	—	—	43.27	16.40	—	26.87	0.59
MW-8	09/11/2007	—	10,000 j	55	7.0	420	1,140	—	<5.0	<50	<10	<10	<10	—	—	43.27	17.42	—	25.85	1.07
MW-8	12/26/2007	—	10,000 j	54	12 k	490	1,740	—	<20	—	—	—	—	—	—	43.27	16.61	—	26.66	1.4
MW-8	03/19/2008	—	5,800	20	<5.0	200	600	—	<5.0	—	—	—	—	—	—	43.27	15.30	—	27.97	0.24
MW-8	06/05/2008	—	7,600	27	<5.0	240	750	—	<5.0	—	—	—	—	—	—	43.27	16.53	—	26.74	0.10
MW-8	09/29/2008	—	5,600	47	<5.0	120	287	—	<5.0	<50	<10	<10	<10	—	—	43.27	18.13	—	25.14	1.04
MW-8	12/19/2008	—	6,900	40	<5.0	110	374	—	<5.0	—	—	—	—	—	—	43.27	18.01	—	25.26	0.74
MW-8	03/10/2009	—	7,400	38	<5.0	210	780	—	<5.0	—	—	—	—	—	—	43.27	15.45	—	27.82	2.40
MW-8	06/03/2009	—	6,400	24	<5.0	210	840	—	<5.0	—	—	—	—	—	—	43.27	16.64	—	26.63	0.84
MW-8	09/30/2009	—	9,200	42	<5.0	120	460	—	<5.0	<50	<10	<10	<10	—	—	43.27	18.20	—	25.07	0.09
MW-8	03/05/2010	—	6,600	15	2.7	100	440	—	<1.0	—	—	—	—	—	—	43.27	15.22	—	28.05	0.36
MW-8	09/16/2010	—	5,900	22	4.0	130	570	—	<2.0	<20	<4.0	<4.0	<4.0	—	—	43.27	16.98	—	26.29	0.26
MW-8	03/18/2011	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	43.27	—	—	—	—
MW-8	03/31/2011	—	4,900	13	3.8	130	520	—	<4.0	—	—	—	—	—	—	43.27	13.61	—	29.66	2.88
MW-8	09/27/2011	—	5,300	<2.5	<2.5	100	440	—	<5.0	<50	<5.0	<5.0	<5.0	—	—	43.27	15.68	—	27.59	1.20
MW-8	03/09/2012	—	6,400	38	13	180	820	—	<2.5	—	—	—	—	—	—	43.27	16.60	—	26.67	0.16
MW-8	09/20/2012	—	4,500	5.5	1.1	48	260	—	<0.50	<10	<0.50	<0.50	<0.50	—	—	43.27	17.50	—	25.77	1.30
MW-9	12/10/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	41.65	15.15	—	26.50	—

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-9	12/15/2003	—	<50	<0.50	<0.50	<0.50	1.3	—	2.5	—	—	—	—	—	—	41.65	14.48	—	27.17	0.9
MW-9	03/04/2004	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.65	12.15	—	29.50	0.2
MW-9	05/27/2004	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.65	14.55	—	27.10	0.5
MW-9	09/24/2004	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	<5.0	<2.0	<2.0	<2.0	—	—	41.65	16.37	—	25.28	1.0
MW-9	11/22/2004	—	<50 c	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.65	15.62	—	26.03	0.3
MW-9	03/02/2005	—	100	<0.50	<1.0	1.4	3.8	—	<1.0	<10	—	—	<2.0	<0.50	—	41.65	11.40	—	30.25	0.4
MW-9	06/30/2005	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.65	12.70	—	28.95	1.3
MW-9	09/20/2005	—	<50	<0.50	<0.50	<0.50	1.8	—	<0.50	<5.0	<2.0	<2.0	<2.0	—	—	41.65	14.38	—	27.27	1.2
MW-9	12/05/2005	—	<50	<0.50	<0.50	<0.50	0.65	—	<0.50	—	—	—	—	—	—	41.65	14.25	—	27.40	1.13
MW-9	03/02/2006	—	<50 f	<0.50	<0.50	<0.50 f	<0.50 f	—	<0.50	—	—	—	—	—	—	41.65	11.87	—	29.78	0.9
MW-9	06/29/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	41.65	12.35	—	29.30	0.55
MW-9	06/30/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	41.65	12.37	—	29.28	—
MW-9	07/06/2006	—	<50.0	<0.500	<0.500	<0.500	<0.500	—	<0.500	—	—	—	—	—	—	41.65	12.46	—	29.19	0.58
MW-9	09/11/2006	—	<50.0	<0.500	<0.500	<0.500	<0.500	—	<0.500	<10.0	<0.500	<0.500	<0.500	—	—	41.65	13.42	—	28.23	0.79
MW-9	12/28/2006	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.65	13.23	—	28.42	0.73
MW-9	03/20/2007	—	<50.0	<0.500	<0.500	<0.500	<1.00	—	<0.500	—	—	—	—	—	—	41.65	13.35	—	28.30	1.20
MW-9	06/26/2007	—	86 j	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.65	14.80	—	26.85	0.91
MW-9	09/11/2007	—	<50 j	0.15 k	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	41.65	15.70	—	25.95	1.04
MW-9	12/26/2007	—	<50 j	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.65	14.86	—	26.79	2.0
MW-9	03/19/2008	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.65	13.39	—	28.26	0.27
MW-9	06/05/2008	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.65	14.77	—	26.88	1.34
MW-9	09/29/2008	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	41.65	16.62	—	25.03	1.10
MW-9	12/19/2008	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.65	16.26	—	25.39	0.66
MW-9	03/10/2009	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.65	13.22	—	28.43	1.58
MW-9	06/03/2009	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.65	14.84	—	26.81	0.55
MW-9	09/30/2009	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	41.65	16.91	—	24.74	0.18
MW-9	03/05/2010	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.65	11.96	—	29.69	0.22
MW-9	09/16/2010	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	41.65	15.28	—	26.37	0.74
MW-9	03/18/2011	—	<50	<0.50	<0.50	<0.50	<1.0	—	<1.0	—	—	—	—	—	—	41.65	11.30	—	30.35	0.71
MW-9	09/27/2011	—	<50	<0.50	<0.50	<0.50	<1.0	—	<1.0	<10	<1.0	<1.0	<1.0	—	—	41.65	14.49	—	27.16	0.47
MW-9	03/09/2012	—	<50	1.0	0.81	<0.50	1.1	—	<0.50	—	—	—	—	—	—	41.65	14.82	—	26.83	0.45
MW-9	**09/20/2012**	—	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	—	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	—	—	**41.65**	**15.70**	—	**25.95**	**2.25**
MW-10	12/10/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.64	24.33	—	26.31	—
MW-10	12/15/2003	—	6,400	3.1	<1.0	33	20	—	<1.0	<10	—	—	<4.0	<1.0	—	50.64	23.58	—	27.06	0.3
MW-10	03/04/2004	—	1,400	1.2	<1.0	16	3.4	—	<1.0	<10	—	—	<4.0	<1.0	—	50.64	21.20	—	29.44	0.1
MW-10	05/27/2004	—	810	<1.0	<1.0	8.3	<2.0	—	<1.0	<10	—	—	<4.0	<1.0	—	50.64	23.63	—	27.01	0.5
MW-10	09/24/2004	—	790	1.2	<1.0	7.3	<2.0	—	<1.0	<10	<4.0	<4.0	<4.0	<1.0	<1.0	50.64	25.30	—	25.34	1.5
MW-10	11/22/2004	—	1,100	1.1	<0.50	17	<1.0	—	<0.50	<5.0	—	—	<2.0	<0.50	—	50.64	24.62	—	26.02	0.4

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-10	03/02/2005	—	920	0.60	<1.0	3.5	<1.0	—	<1.0	<10	—	—	<2.0	<0.50	—	50.64	20.72	—	29.92	0.4
MW-10	06/30/2005	—	470 e	<0.50	<0.50	1.4	<1.0	—	<0.50	<5.0	—	—	<2.0	<0.50	—	50.64	21.48	—	29.16	1.4
MW-10	09/20/2005	—	420	<0.50	<0.50	1.2	2.1	—	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	—	50.64	23.45	—	27.19	2.0
MW-10	12/05/2005	—	420	<0.50	<0.50	1.1	<0.50	—	<0.50	<5.0	—	—	<0.50	<0.50	—	50.64	23.42	—	27.22	0.97
MW-10	03/02/2006	—	230 f	<0.50 f	<0.50	0.83 f	<0.50 f	—	<0.50	<5.0 f	—	—	<0.50	<0.50 h	—	50.64	21.13	—	29.51	1.1
MW-10	06/29/2006	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	50.64	—	—	—	—
MW-10	06/30/2006	—	<50.0	<0.500	<0.500	<0.500	<0.500	—	<0.500	<10.0	—	—	<0.500	<0.500	—	50.64	21.49	—	29.15	0.37
MW-10	07/06/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.64	21.60	—	29.04	—
MW-10	09/11/2006	—	250	<0.500	<0.500	<0.500	<0.500	—	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	—	50.64	22.62	—	28.02	0.98
MW-10	12/28/2006	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	50.64	—	—	—	—
MW-10	03/20/2007	—	158	<0.500	<0.500	<0.500	<1.00	—	<0.500	<50.0	—	—	<1.00	<0.500	—	50.64	22.30	—	28.34	0.10
MW-10	06/26/2007	—	230 j	0.15 k	<1.0	0.43 k	<1.0	—	<1.0	<10	—	—	<2.0	<0.50	—	50.64	23.75	—	26.89	1.54
MW-10	09/11/2007	—	62 j	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	<0.50	—	50.64	24.78	—	25.86	0.98
MW-10	12/26/2007	—	200 j, l	0.15 k	<1.0	0.30 k	<1.0	—	<1.0	<10	—	—	<2.0	<0.50	—	50.64	23.86	—	26.78	0.9
MW-10	03/19/2008	—	170 j	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	—	—	<2.0	<0.50	—	50.64	22.46	—	28.18	0.10
MW-10	06/05/2008	—	150	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	<0.50	—	50.64	23.76	—	26.88	0.11
MW-10	09/29/2008	—	130	<0.50	<1.0	<1.0	1.4	—	<1.0	<10	<2.0	<2.0	<2.0	<0.50	—	50.64	25.59	—	25.05	0.91
MW-10	12/19/2008	—	220	1.6	1.4	1.9	4.3	—	<1.0	<10	—	—	<2.0	<0.50	—	50.64	22.39	—	28.25	0.26
MW-10	03/10/2009	—	120	<0.50	<1.0	<1.0	1.8	—	<1.0	<10	—	—	<2.0	<0.50	—	50.64	21.79	—	28.85	0.40
MW-10	06/03/2009	—	130	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	<0.50	—	50.64	23.85	—	26.79	2.11
MW-10	09/30/2009	—	59	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	<0.50	—	50.64	25.86	—	24.78	0.11
MW-10	03/05/2010	—	380	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	<0.50	—	50.64	21.11	—	29.53	0.14
MW-10	09/16/2010	—	180	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	<0.50	—	50.64	24.45	—	26.19	0.17
MW-10	03/18/2011	—	74	<0.50	<0.50	<0.50	<1.0	—	<1.0	<10	—	—	<1.0	<0.50	—	50.64	21.49	—	29.15	1.86
MW-10	09/27/2011	—	58	<0.50	0.63	0.65	4.2	—	<1.0	<10	<1.0	<1.0	<1.0	<0.50	—	50.64	23.50	—	27.14	2.21
MW-10	03/09/2012	—	93	0.63	<0.50	<0.50	<1.0	—	<0.50	<10	—	—	<0.50	<0.50	—	50.64	23.85	—	26.79	0.40
MW-10	**09/20/2012**	—	74	**<0.50**	**<0.50**	**<0.50**	**<1.0**	—	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	—	**50.64**	**24.79**	—	**25.85**	**1.03**
MW-11	12/10/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.58	19.10	—	26.48	—
MW-11	12/15/2003	—	110,000	9,900	3,300	3,900	23,000	—	20,000	18,000	—	—	<800	<200	—	45.58	18.50	—	27.08	0.3
MW-11	03/04/2004	—	68,000	5,300	3,000	3,600	23,000	—	8,300	12,000	—	—	<200	<50	—	45.58	16.67	—	28.91	0.1
MW-11	05/27/2004	—	86,000	8,500	3,200	13,000	22,000	—	25,000	18,000	—	—	<400	<100	—	45.58	18.60	—	26.98	1.6
MW-11	09/24/2004	—	63,000	7,200	2,000	3,000	15,000	—	26,000	17,000	<400	<400	<400	<100	<100	45.58	20.22	—	25.36	2.2
MW-11	11/22/2004	—	96,000	7,100	3,700	2,800	15,000	—	20,000	14,000	—	—	<400	<100	—	45.58	19.56	—	26.02	0.3
MW-11	03/02/2005	—	63,000	6,200	6,800	2,200	15,000	—	16,000	7,800	—	—	<200	<50	—	45.58	15.75	—	29.83	4.6
MW-11	06/30/2005	—	100,000	4,200	18,000	3,800	25,000	—	2,500	3,400	—	—	<400	<100	—	45.58	16.92	—	28.66	1.0
MW-11	09/20/2005	—	65,000	3,800	10,000	3,100	19,000	—	3,900	4,600	<400	<400	<400	<100	—	45.58	18.43	—	27.15	—
MW-11	12/05/2005	—	69,000	4,000	10,000	3,100	16,000	—	7,400	4,400	—	—	<50	<50	—	45.58	18.26	—	27.32	0.70
MW-11	03/02/2006	—	76,000 f	4,000 f	13,000 f	2,900 f	16,000 f	—	6,100 f	420 h	—	—	36	<0.50 h	—	45.58	16.13	—	29.45	0.9

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-11	04/19/2006	—	116,000	4,780	12,000	3,280	20,200	—	5,550	4,010	—	—	34.6	<0.500	—	45.58	15.30	—	30.28	0.86
MW-11	05/01/2006	—	129,000	4,180	15,100	3,180	18,700	—	4,510	3,130	—	—	28.9	92.1	—	45.58	15.43	—	30.15	0.97
MW-11	06/29/2006	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	45.58	—	—	—	—
MW-11	06/30/2006	—	119,000	4,420	11,300	2,650	17,200	—	4,490	2,700	—	—	22.8	<0.500	—	45.58	15.49	—	30.09	0.49
MW-11	07/06/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.58	16.61	—	28.97	—
MW-11	07/31/2006	—	<50.0	4,870	11,400	2,890	20,400	—	4,880	3,120	—	—	27.2	<0.500	—	45.58	17.00	—	28.58	0.36
MW-11	08/23/2006	—	115,000	5,230	8,720	2,680	16,900	—	4,860	3,670	—	—	29.6	<10.0	—	45.58	17.28	—	28.30	0.7
MW-11	09/11/2006	—	9,090	5,140	8,400	3,040	17,700	—	5,310	4,240	<0.500	<0.500	134	<0.500	—	45.58	17.62	—	27.96	0.63
MW-11	10/18/2006	—	193,000	4,930	9,700	3,920	21,000	—	4,300	2,530	—	—	<0.500	<0.500	—	45.58	18.08	—	27.50	0.51
MW-11	11/22/2006	—	3,600	3,600	9,300	2,800	16,000	—	2,800	4,000	—	—	<10	<2.5	—	45.58	18.06	—	27.52	0.4
MW-11	12/28/2006	—	75,000	2,700	9,800	1,900	13,000	—	2,500	2,500	—	—	<200	<50	—	45.58	17.20	—	28.38	0.9
MW-11	01/25/2007	—	68,000	2,900	9,600	2,200	13,000	—	2,400	2,400	—	—	<200	<50	—	45.58	18.10	—	27.48	0.7
MW-11	02/19/2007	—	88,000	3,600	17,000	3,200	20,000	—	2,200	4,000	—	—	25	<5.0	—	45.58	17.89	—	27.69	0.2
MW-11	03/20/2007	—	77,600	3,140 i	12,800 i	3,060 i	17,600 i	—	1,930 i	<10,000 i	—	—	<200 i	<100 i	—	45.58	17.30	—	28.28	0.38
MW-11	04/05/2007	—	67,000 j	3,200	9,600	3,200	14,300	—	1,800	2,900	—	—	<100	<25	—	45.58	17.50	—	28.08	0.72
MW-11	06/01/2007	—	65,000 j	3,100	11,000	3,200	17,900	—	1,700	—	—	—	—	—	—	45.58	18.32	—	27.26	1.18
MW-11	06/26/2007	—	52,000 j	2,200	8,000	2,200	13,700	—	1,300	2,300	—	—	<200	<50	—	45.58	18.70	—	26.88	0.24
MW-11	07/19/2007	—	62,000 j	2,500	9,600	2,400	16,300	—	1,500	—	—	—	—	—	—	45.58	18.10	—	27.48	3.42
MW-11	08/14/2007	—	65,000 j	3,000	11,000	3,000	17,600	—	1,000	—	—	—	—	—	—	45.58	19.30	—	26.28	1.1
MW-11	09/11/2007	—	45,000 j	2,000	6,300	2,100	11,900	—	960	2,100	<100	<100	<100	<25	—	45.58	19.65	—	25.93	0.86
MW-11	10/26/2007	—	58,000 j	2,500	9,300	3,200	17,700	—	900	—	—	—	—	—	—	45.58	19.42	—	26.16	1.2
MW-11	11/13/2007	—	64,000 j	2,400	9,500	3,300	18,000	—	1,200	—	—	—	—	—	—	45.58	19.34	—	26.24	0.32
MW-11	12/26/2007	—	56,000 j	2,300	11,000	3,800	23,400	—	1,300	1,400	—	—	<40	<10	—	45.58	18.68	—	26.90	0.9
MW-11	01/03/2008	—	64,000 j	2,600	10,000	4,400	23,600	—	1,300	—	—	—	—	—	—	45.58	18.86	—	26.72	1.65
MW-11	02/21/2008	—	70,000 j	2,400	9,200	3,700	18,700	—	440	—	—	—	—	—	—	45.58	16.70	—	28.88	0.9
MW-11	03/19/2008	—	65,000 j	2,500	7,700	3,700	19,700	—	520	810	—	—	<100	<25	—	45.58	17.34	0.02	28.26	0.07
MW-11	04/16/2008	—	86,000	3,000	8,200	4,500	24,300	—	280	—	—	—	—	—	—	45.58	17.78	—	27.80	1.40
MW-11	05/29/2008	—	70,000	1,900	6,000	3,200	16,500	—	110	—	—	—	—	—	—	45.58	18.52	—	27.06	0.43
MW-11	06/05/2008	—	72,000	1,800	6,700	3,300	18,000	—	120	<500	<100	<100	<100	<25	—	45.58	18.63	—	26.95	0.21
MW-11	07/22/2008	—	100,000	1,100	9,200	3,800	24,900	—	<100	—	—	—	—	—	—	45.58	19.41	—	26.17	1.31
MW-11	09/29/2008	—	110,000	1,500	10,000	4,300	27,200	—	210	<500	<100	<100	<100	<25	—	45.58	20.21	—	25.37	0.79
MW-11	12/19/2008	—	110,000	1,000	9,600	3,700	24,600	—	<100	<1,000	—	—	<200	<50	—	45.58	19.75	—	25.83	0.52
MW-11	03/10/2009	—	92,000	490	11,000	4,000	30,000	—	<100	<1,000	—	—	<200	<50	—	45.58	16.40	—	29.18	0.50
MW-11	06/03/2009	—	74,000	120	6,900	3,500	24,000	—	<100	<1,000	<200	<200	<200	<50	—	45.58	18.91	—	26.67	0.10
MW-11	09/30/2009	6,800 l,m	86,000	100	6,200	4,100	26,000	—	<100	<1,000	<200	<200	<200	<50	—	45.58	20.84	—	24.74	0.27
MW-11	03/05/2010	—	75,000	240	4,800	2,600	17,000	—	<50	<500	<100	<100	<100	<25	—	45.58	16.08	—	29.50	0.89
MW-11	09/16/2010	—	43,000	760	3,400	2,300	13,000	—	<50	550	<100	<100	<100	<25	—	45.58	19.34	—	26.24	0.26
MW-11	03/18/2011	—	38,000	470	4,100	2,200	13,000	—	<100	<1,000	—	—	<100	<50	—	45.58	11.08	—	34.50	0.66
MW-11	09/27/2011	—	27,000	470	2,200	1,400	7,600	—	<40	580	<40	<40	<40	—	—	45.58	18.45	—	27.13	1.39

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-11	03/09/2012	—	49,000	1,200	5,500	2,300	15,000	—	35	<400	—	—	<20	<20	—	45.58	18.84	—	26.74	0.48
MW-11	**09/20/2012**	**—**	**25,000**	**310**	**1,500**	**1,200**	**6,800**	**—**	**<20**	**<400**	**<20**	**<20**	**<20**	**<20**	**—**	**45.58**	**19.70**	**—**	**25.88**	**1.08**
MW-12	06/26/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44.10	14.75	—	29.35	—
MW-12	06/29/2006	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	44.10	—	—	—	—
MW-12	06/30/2006	—	95,000	3,930	8,900	2,110	10,400	—	<0.500	—	—	—	—	—	—	44.10	15.00	—	29.10	0.62
MW-12	07/06/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44.10	15.10	—	29.00	—
MW-12	09/11/2006	—	5,110	3,930	3,290	2,710	8,060	—	8.50	—	—	—	—	—	—	44.10	15.91	—	28.19	1.09
MW-12	12/28/2006	—	31,000	2,400	1,100	1,500	2,900	—	<2.5	—	—	—	—	—	—	44.10	15.85	—	28.25	0.82
MW-12	03/20/2007	—	30,100	508	352	341	748	—	<0.500	—	—	—	—	—	—	44.10	15.81	—	28.29	1.44
MW-12	06/26/2007	—	32,000 j	2,700	1,200	2,100	3,700	—	<20	—	—	—	—	—	—	44.10	17.29	—	26.81	0.40
MW-12	09/11/2007	—	21,000 j	810	720	860	1,950	—	<20	—	—	—	—	—	—	44.10	18.08	—	26.02	1.21
MW-12	12/26/2007	—	20,000 j	2,000	600	1,400	2,870	—	<20	—	—	—	—	—	—	44.10	17.44	—	26.66	1.3
MW-12	03/19/2008	—	12,000	1,000	460	630	1,490	—	<20	—	—	—	—	—	—	44.10	15.97	—	28.13	0.28
MW-12	06/05/2008	—	22,000	860	530	930	2,340	—	<10	—	—	—	—	—	—	44.10	17.28	—	26.82	0.10
MW-12	09/29/2008	—	23,000	1,800	820	1,300	2,900	—	<10	—	—	—	—	—	—	44.10	19.10	—	25.00	0.76
MW-12	12/19/2008	—	12,000	850	240	530	930	—	<10	—	—	—	—	—	—	44.10	18.68	—	25.42	0.47
MW-12	03/10/2009	—	6,400	720	110	450	570	—	<10	—	—	—	—	—	—	44.10	15.55	—	28.55	2.25
MW-12	06/03/2009	—	14,000	1,000	370	800	2,400	—	<10	—	—	—	—	—	—	44.10	17.47	—	26.63	1.03
MW-12	09/30/2009	—	27,000	1,100	260	930	2,800	—	<10	—	—	—	—	—	—	44.10	19.44	—	24.66	0.01
MW-12	03/05/2010	—	6,500	630	47	220	390	—	<5.0	—	—	—	—	—	—	44.10	14.65	—	29.45	0.11
MW-12	09/16/2010	—	7,500	490	83	200	720	—	<5.0	—	—	—	—	—	—	44.10	18.16	—	25.94	0.21
MW-12	03/18/2011	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	44.10	—	—	—	—
MW-12	03/31/2011	—	6,400	760	98	190	550	—	<10	—	—	—	—	—	—	44.10	13.48	—	30.62	2.20
MW-12	09/27/2011	—	2,900	310	20	52	120	—	<2.0	—	—	—	—	—	—	44.10	16.07	—	28.03	1.04
MW-12	03/09/2012	—	5,900	840	72	120	380	—	<2.0	—	—	—	—	—	—	44.10	17.02	—	27.08	0.11
MW-12	**09/20/2012**	**—**	**6,800**	**480**	**24**	**100**	**300**	**—**	**<5.0**	**—**	**—**	**—**	**—**	**—**	**—**	**44.10**	**18.23**	**—**	**25.87**	**1.52**
MW-13	06/26/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	41.59	12.10	—	29.49	—
MW-13	06/29/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	41.59	12.47	—	29.12	0.61
MW-13	06/30/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	41.59	12.25	—	29.34	—
MW-13	07/06/2006	—	<50.0	<0.500	<0.500	<0.500	<0.500	—	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	—	41.59	12.35	—	29.24	0.24
MW-13	09/11/2006	—	<50.0	<0.500	<0.500	<0.500	<0.500	—	<0.500	—	—	—	—	—	—	41.59	13.33	—	28.26	1.02
MW-13	12/28/2006	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.59	13.12	—	28.47	0.81
MW-13	03/20/2007	—	<50.0	1.41	2.36	2.20	6.29	—	<0.500	—	—	—	—	—	—	41.59	13.12	—	28.47	0.14
MW-13	06/26/2007	—	58 j	0.20 k	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.59	14.68	—	26.91	0.38
MW-13	09/11/2007	—	<50 j	0.69	0.30 k	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.59	15.51	—	26.08	0.92
MW-13	12/26/2007	—	<50 j	0.24 k	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.59	14.74	—	26.85	1.0
MW-13	03/19/2008	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.59	13.28	—	28.31	0.34

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

ell ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO Reading (mg/L)
[W-13	06/05/2008	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.59	14.65	—	26.94	0.15
[W-13	09/29/2008	—	<50	0.53	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.59	16.50	—	25.09	1.59
[W-13	12/19/2008	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.59	16.12	—	25.47	0.49
[W-13	03/10/2009	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.59	12.75	—	28.84	1.52
[W-13	06/03/2009	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.59	14.90	—	26.69	0.99
[W-13	09/30/2009	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.59	16.82	—	24.77	0.20
[W-13	03/05/2010	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.59	11.87	—	29.72	0.18
[W-13	09/16/2010	—	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	41.59	15.10	—	26.49	0.20
[W-13	03/18/2011	—	<50	<0.50	<0.50	<0.50	<1.0	—	<1.0	—	—	—	—	—	—	41.59	12.12	—	29.47	0.68
[W-13	09/27/2011	—	<50	<0.50	<0.50	<0.50	<1.0	—	<1.0	—	—	—	—	—	—	41.59	14.43	—	27.16	0.59
[W-13	03/09/2012	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.59	14.73	—	26.86	0.13
[W-13	09/20/2012	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	41.59	15.51	—	26.08	2.50
?-1A	09/15/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	47.74	22.49	—	25.25	—
?-1A	12/19/2008	—	13,000	90	24	1,100	893	—	190	—	—	—	—	—	—	47.74	22.23	—	25.51	0.54
P-1B	09/15/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	47.65	22.50	—	25.15	—
P-1B	12/19/2008	—	82,000	5,200	3,300	3,000	9,600	—	1,300	—	—	—	—	—	—	47.65	22.25	—	25.40	0.66
?-2A	09/15/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48.81	23.58	—	25.23	—
?-2A	12/19/2008	—	1,900	70	<2.0	19	<2.0	—	94	—	—	—	—	—	—	48.81	23.49	—	25.32	3.92
P-2B	09/15/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.02	23.40	—	25.62	—
P-2B	12/19/2008	—	7,500	450	<5.0	93	81	—	410	—	—	—	—	—	—	49.02	23.61	—	25.41	0.17
?-3A	09/15/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44.56	19.21	—	25.35	—
?-3A	12/19/2008	—	64,000	1,900	1,900	3,600	12,300	—	170	—	—	—	—	—	—	44.56	19.03	—	25.53	0.37
P-3B	09/15/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44.62	19.02	—	25.60	—
P-3B	12/19/2008	—	70,000	5,700	2,300	3,300	11,600	—	1,100	—	—	—	—	—	—	44.62	19.26	—	25.36	—
?-4A	09/15/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.00	19.95	—	25.05	—
?-4A	10/02/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.00	19.63	—	25.37	—
?-4A	12/19/2008	—	80,000	330	9,300	3,800	14,300	—	130	—	—	—	—	—	—	45.00	19.32	—	25.68	0.76
P-4B	09/15/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44.93	19.30	—	25.63	—
P-4B	12/19/2008	—	81,000	1,100	5,800	4,000	17,500	—	390	—	—	—	—	—	—	44.93	19.50	—	25.43	0.52

tes:

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

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

TPHd = Total petroleum hydrocarbons as diesel analyzed by modified EPA Method 8015
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; prior to June 11, 2001, analyzed by EPA Method 8015 unless otherwise indicated.
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; prior to June 11, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary-butyl ether analyzed by method noted
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
1,2-DCA = 1,2-dichloroethane analyzed by EPA Method 8260
EDB = 1,2-dibromomethane or ethylene dibromide analyzed by EPA Method 8260
TOC = Top of casing elevation, in feet relative to mean sea level
SPH = Separate-phase hydrocarbon
GW = Groundwater
DO = Dissolved oxygen
µg/L = Micrograms per liter
ft = Feet
MSL = Mean sea level
mg/L = Milligrams per liter
<x = Not detected at reporting limit x
— = Not analyzed or not available
(D) = Duplicate sample

a = Chromatogram pattern indicates an unidentified hydrocarbon.
b = Hydrocarbon does not match pattern of laboratory's standard.
c = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.
d = Estimated value. The concentration exceeded the calibration of analysis.
e = Quantity of unknown hydrocarbon(s) in sample based on gasoline.
f = Sample analyzed out of EPA recommended hold time.
g = The result for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range.
h = Result was reported with a possible low bias due to the continuing calibration verification falling outside the acceptance criteria.
i = Sample required dilution due to high concentrations of target analyte.
j = Analyzed by EPA Method 8015B (M).
k = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
l = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
m = The sample extract was subjected to Silica Gel treatment prior to analysis

When SPHs are present, the groundwater elevation is adjusted using the following formula: GWE = TOC – DTW + 0.8 * SPH thickness.
Site surveyed January 23, 2002 by Virgil Chavez Land Surveying

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1784 150th AVENUE, SAN LEANDRO, CALIFORNIA

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

Wells MW-7 and MW-8 surveyed by Virgil Chavez Land Surveying
Wells MW-9, MW-10, and MW-11 surveyed December 11, 2003 by Virgil Chavez Land Surveying
Wells MW-12 and MW-13 surveyed on June 9, 2006 by Virgil Chavez Land Surveying

BORING/WELL LOG

Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, CA 95476
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Fax: 707-935-6649

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-1
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	06-Mar-90
LOCATION	San Leandro, California	**DRILLING COMPLETED**	06-Mar-90
PROJECT NUMBER	248-0612-008	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Soil Exploration Services	**GROUND SURFACE ELEVATION**	49.48 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	10"	**SCREENED INTERVAL**	30 to 45 fbg
LOGGED BY	Karen Sixt	**DEPTH TO WATER (First Encountered)**	34.0 ft (06-Mar-90)
REVIEWED BY	Richard Weiss; CEG 1112	**DEPTH TO WATER (Static)**	25.00 ft (08-Mar-90)
REMARKS	Transcribed from original WA log		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					ML		**Sandy SILT** (ML); Dark brown; soft; damp; <5% Clay, 75% Silt, 25% fine to medium sand; low plasticity.	1.0	
					SW		**Gravelly SAND** (SW); Brown; medium dense; dry; 15% Silt, 60% Sand, 25% weathered gravel to 2" diameter; moderate to high estimated hydraulic conductivity.	3.0	
					CL		**Silty CLAY** (CL); Dark brown mottled orange and green; stiff; damp; 45% Clay, 30% Silt, 25% Sand; medium to high plasticity; very low estimated hydraulic conductivity.	5.0	
				5	SM		**Silty SAND** (SM); Dark brown; loose; moist; <5% Clay, 35% Silt; 45% fine to coarse sand; 20% Gravel to 1" diameter; moderate to high estimated hydraulic conductivity.	8.0	
				10	OH		**Clayey SILT** (OH); Black; medium stiff; 40% Clay, 40% silt, 20% very fine sand; roots and grasses; high plasticity; very low estimated hydraulic conductivity.	13.0	Portland Type I/II Cement
				15	ML		**Sandy SILT** (ML); Greenish gray; very stiff; damp; 20% Clay, 60% Silt, 20% fine to coarse sand; medium to high plasticity; low estimated hydaulic conductivity.		
				20			3" sandy GRAVEL lens at 18.0' Rootlets at 18.7' Light brown-gray from 19.5'		
				25			6" Sand lens at 22'		Bentonite Seal
				30				34.0	
				35			**Sandy SILT** (ML); Greenish brown; very stiff; 20% Clay,		

Continued Next Page

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-1
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	06-Mar-90
LOCATION	San Leandro, California	**DRILLING COMPLETED**	06-Mar-90

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				40	ML		65% Silt, 15% very fine to medium sand; low to moderate estimated hydraulic conductivity.	45.0	Monterey Sand #3 2"-diam., 0.020" Slotted Schedule 40 PVC Bottom of Boring @ 45 ft
				45					
				50					
				55					
				60					
				65					
				70					
				75					

WELL LOG (PID) K:\SANLEA~2\GINTS\NL1784.GPJ DEFAULT.GDT 11/3/06

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-1A
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	26-Aug-08
LOCATION	San Leandro, California	**DRILLING COMPLETED**	02-Sep-08
PROJECT NUMBER	240612	**WELL DEVELOPMENT DATE (YIELD)**	15-Sep-08 (16 gallons)
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	49.41 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	48.99 ft above msl
BORING DIAMETER	10"	**SCREENED INTERVALS**	17 to 27 fbg
LOGGED BY	E. Reinhart-Koylu	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	23.78 fbg (15-Sep-08)
REMARKS	Air knife to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							ASPHALT	0.5
					SM		**Silty SAND with Gravel;** very dark grayish brown (10YR 3/2); 30% silt, 50% sand, 20% gravel.	1.5
0					MH		**SILT;** very dark grayish brown (10YR 3/2); 30% clay, 65% silt, 5% sand; medium plasticity.	
0				5				5.0
1.7					ML		**Sandy SILT with Gravel;** very dark grayish brown (10YR 3/2); moist; 5% clay, 55% silt, 25% sand, 15% gravel; medium plasticity.	7.0
1.2					CL		**CLAY;** black (10 YR 2/1); moist; 80% clay, 20% silt; medium plasticity.	
1.0				10			@ 9' - very dark gray (10YR 3/1), 65% clay, 25% silt, 10% fine sand.	10.5
2.2							**Sandy SILT;** gray (2.5Y 5/1); dry; 60% silt, 40% fine sand; low plasticity.	
4.7								
3.2	10 12 20	MW-1A @15'		15			@ 15' - fine to medium sand.	
2.7								
	4 6			20				

WELL DIAGRAM: Flush-grade 12" well box; Portland Type I/II; Bentonite Seal; Monterey Sand #2/12

WELL LOG (PID): I:\SHELL\6-CHARS\2406--\240612-SAN LEANDRO 1784 150TH\240612-GINTSNL1784.GPJ DEFAULT.GDT 2/6/09

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-1A
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	26-Aug-08
LOCATION	San Leandro, California	**DRILLING COMPLETED**	02-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
5.1	15 9 17 20	MW-1A @20'					@ 20' - 55% silt, 45% fine to coarse sand.		
1.5									
1.3	7 19 19				ML		@ 22' - grayish brown (10 YR 5/2); 70% silt, 30% fine to coarse sand.		4"-diam., 0.020" Slotted Schedule 40 PVC
	9 13 13			25			@ 25' - fine sand.		
	12 25 36								
3.5									
2.6	8 12 24	MW-1A @26.5'						27.0	
167									Bottom of Boring @ 27 fbg

BORING / WELL LOG

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CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-1B
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	26-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	29-Oct-08
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	31-Oct-08 (165 gallons)
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	49.52 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	49.07 ft above msl
BORING DIAMETER	10"	SCREENED INTERVALS	45 to 50 fbg
LOGGED BY	E. Reinhart-Koylu	DEPTH TO WATER (First Encountered)	37.00 fbg (29-Oct-08) ▽
REVIEWED BY	P. Schaefer	DEPTH TO WATER (Static)	24.25 fbg (31-Oct-08) ▼
REMARKS	Air knife to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	Flush-grade 12" well box
0					SM		**Silty SAND with Gravel:** very dark grayish brown (10YR 3/2); 30% silt, 50% fine to coarse sand, 20% gravel.	1.5	
					ML		**SILT**; very dark grayish brown (10YR 3/2); 30% clay, 65% silt, 5% sand; medium plasticity.		
0								5.0	
0	7 9 10			5			**CLAY**; black (N 2.5/N); moist; 90% clay, 10% silt; high plasticity.		
0	8 11 17			10	CL		@ 10' - 70% clay, 20% silt, 10% medium sand; medium plasticity.		
							@ 14' - 70% clay, 25% silt, 5% sand.		
0.8	8 12 24			15			@ 15' - very dark grayish brown (10YR 3/2); 70% clay, 30% silt.		
				20				20.0	

WELL LOG (PID): I:\SHELL\6-CHARS\2406--\240612-SAN LEANDRO 1784 150TH\240612-GINT\SNL1784.GPJ DEFAULT.GDT 2/6/09

Continued Next Page

BORING / WELL LOG

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CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-1B
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	26-Aug-08
LOCATION	San Leandro, California	**DRILLING COMPLETED**	29-Oct-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.2	15 18 22						**SILT**; olive gray (5Y 4/2); dry; 35% clay, 60% silt, 5% fine sand; low plasticity.		Portland Type I/II
0.3	20 23 25			25			@25'- **Sandy SILT**; olive gray (5Y 4/2); moist; 65% silt, 35% fine to medium sand; low plasticity.		
404	17 19 22			30	ML		@ 30' - 70% silt, 30% sand; medium plasticity.		
4.7	15 16 18			35			@ 35' - **SILT**; dark yellowish brown (10YR 4/4); moist; 30% clay, 60% silt, 10% fine sand; low plasticity. @ 37' - wet.	38.0	
4.2	14 16 27 3 27 31			40	SM		**Silty SAND**; yellowish brown (10YR 5/4); wet; 5% clay, 35% silt, 60% fine to coarse angular rounded sand.		Bentonite Seal

WELL LOG (PID) I:\SHELL\6-CHARS\2406--I\240612-SAN LEANDRO 1784 150TH\240612-GINT\SNL1784.GPJ DEFAULT.GDT 2/6/09

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-1B
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	26-Aug-08
LOCATION	San Leandro, California	**DRILLING COMPLETED**	29-Oct-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
	17 50 for 2"						@ 43' - 30% silt, 65% fine to coarse sand, 5% fine gravel.		Monterey Sand #2/12
6.8		MW-1B @ 44'		45					
1.5	27 50 for 3"						@ 45' - 45% silt, 50% fine to medium sand, 5% fine gravel.		
	28 18				SM				
									4"-diam., 0.020" Slotted Schedule 40 PVC
0.7									
	8 10 13								
0.6		MW-1B @ 49.5'		50				50.0	
									Bottom of Boring @ 50 fbg

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BORING/WELL LOG

CLIENT NAME Shell Oil Products Company (US)
JOB/SITE NAME 1784 150th Avenue
LOCATION San Leandro, California
PROJECT NUMBER 248-0612-008
DRILLER Soil Exploration Services
DRILLING METHOD Hollow-stem auger
BORING DIAMETER 10"
LOGGED BY Tom Fojut
REVIEWED BY Joseph P. Theisen; CEG 1645
REMARKS Transcribed from original WA log

BORING/WELL NAME MW-2
DRILLING STARTED 04-Feb-92
DRILLING COMPLETED 04-Feb-92
WELL DEVELOPMENT DATE (YIELD) NA
GROUND SURFACE ELEVATION 46.18 ft above msl
TOP OF CASING ELEVATION Not Surveyed
SCREENED INTERVAL 25 to 45 fbg
DEPTH TO WATER (First Encountered) 24.0 ft (04-Feb-92)
DEPTH TO WATER (Static) 22.00 ft (13-Feb-92)

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)
							Asphalt/Concrete.	0.6
					CL		Sandy CLAY (CL); Dark brown; soft; damp; 45% Clay, 20% Silt, 30% Sand, 5% Gravel to 0.25" diameter; low plasticity; low estimated hydraulic conductivity.	2.5
				5	CH		Silty CLAY (CH); Black; soft; damp; 60% Clay, 35% Silt, 5% fine Sand; high plasticity; very low estimated hydaulic conductivity.	
							1.5" diameter Gravel.	
				10			Gray from 10'.	
				15				16.0
				20	ML		Sandy SILT (ML); Greenish gray; very stiff; damp; 10% Clay; 70% silt; 20% Sand; low plasticity; low estimated hydraulic conductivity.	
							10% Clay, 60% Silt, 30% fine to coarse Sand from 20'.	
				25			Gravel to 1" diameter @ 25'.	
				30				
				35			Brown; 10% Clay, 55% Silt, 35% fine to coarse Sand, 5% Gravel to 1.5" diameter; low to moderate estimated hydraulic conductivity.	

WELL DIAGRAM: Portland Type I/II Cement with 3-5% Bentonite. | Bentonite Seal | Monterey Sand

WELL LOG (PID) K:\SANLEA-2\GINT\SNL1784.GPJ DEFAULT.GDT 11/3/06

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-2
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	04-Feb-92
LOCATION	San Leandro, California	**DRILLING COMPLETED**	04-Feb-92

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
								38.0	# 1/20 4"-diam., 0.010" Slotted Schedule 40 PVC
				40	SM		**Silty SAND** (SM); Brown; dense; wet; 5% Clay, 35% Silt, 45% Sand, 15% Gravel to 1.5" diameter; moderate estimated hydraulic conductivity; Gravel concentrated in layers less than 6" thick. 5% Clay, 30% Silt, 50% Sand, 15% Gravel to 1.5" diameter from 43'.	45.0	
				45					Bottom of Boring @ 45 ft
				50					
				55					
				60					
				65					
				70					
				75					

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-2B
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	26-Aug-08
LOCATION	San Leandro, California	**DRILLING COMPLETED**	28-Oct-08
PROJECT NUMBER	240612	**WELL DEVELOPMENT DATE (YIELD)**	31-Oct-08 (189 gallons)
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	45.25 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	44.96 ft above msl
BORING DIAMETER	10"	**SCREENED INTERVALS**	45 to 50 fbg
LOGGED BY	E. Reinhart-Koylu	**DEPTH TO WATER (First Encountered)**	23.50 fbg (28-Oct-08)
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	20.20 fbg (31-Oct-08)
REMARKS	Air knife to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	Flush-grade 12" well box
0					SM		**Silty SAND with gravel;** very dark grayish brown (10YR 3/2); 30% silt, 50% fine to coarse sand, 20% gravel.	1.5	
0					ML		**SILT**; very dark grayish brown (10YR 3/2); 30% clay, 65% silt, 5% sand; medium plasticity.		
0	5 7 10			5			**CLAY**; black (4.5YR 2.5/1); moist; 70% clay, 20% silt, 10% sand; medium plasticity.	5.0	
1.8	4 4 6			10	CL				
0.5	4 16 20			15			**SILT**; dark grayish brown (2.5Y 4/2); moist; 30% clay, 70% silt; low plasticity.	15.0	
				20	ML				

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-2B
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	26-Aug-08
LOCATION	San Leandro, California	**DRILLING COMPLETED**	28-Oct-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
13.1	11 17 23								Portland Type I/II
							@ 23.5' - wet.		
286	14 22 40			25			@ 25' - olive brown (2.5Y 4/3).		
463	21 24 27	MW-2B @ 30'		30	ML		@ 30' - olive gray (5Y 4/2); moist; 30% clay, 60% silt, 10% fine sand.		
16.5	10 18 12			35			@ 35' - **SILT with Sand**; olive gray (5Y 4/2); wet; 25% clay, 55% silt, 20% fine to medium sand; medium plasticity.		
78.3	22 32 50 for 2"	MW-2B @ 37'					@ 37' - **Sandy SILT**; brown (10YR 4/3); moist; 20% clay, 45% silt, 35% fine sand; medium plasticity.		
7.8	25 31 50 for 2"						@ 39' - light olive brown (2.5Y 5/4); wet.		
8.4	21 50 for 2"			40					
7.7	11 23 30						@ 42' - yellowish brown (10YR 5/4); moist.		Bentonite Seal

Continued Next Page

BORING / WELL LOG

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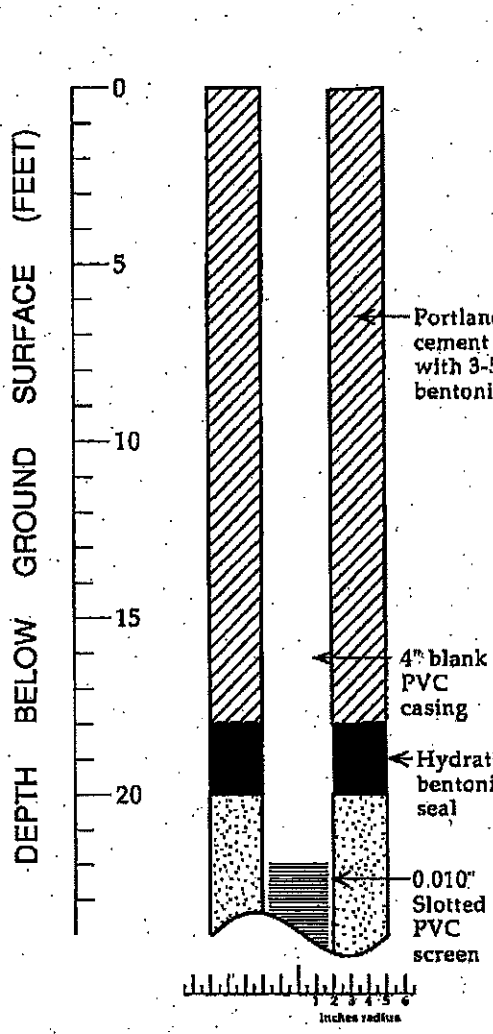
CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-2B
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	26-Aug-08
LOCATION	San Leandro, California	**DRILLING COMPLETED**	28-Oct-08

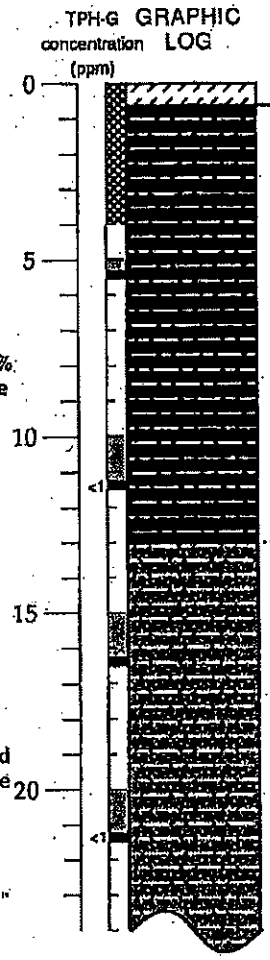
Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
13.7	7 17 23	MW-2B @ 44'		45	ML		@ 44' - dark yellowish brown (10YR 4/4); 25% clay, 45% silt, 30% fine sand. @ 45' - brown (10YR 4/3); 25% clay, 40% silt, 30% fine sand, 5% fine gravel. @ 46' - 25% clay, 40% silt, 30% fine to medium sand, 5% fine gravel.		Monterey Sand #2/12
1.7	6 18 25								
2.7	22 50 for 4"								4"-diam., 0.020" Slotted Schedule 40 PVC
3.1		MW-2B @ 49.5'		50				50.0	Bottom of Boring @ 50 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2406--\240612-SAN LEANDRO 1784 150TH\240612-GINT\SNL1784.GPJ DEFAULT.GDT 2/6/09

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

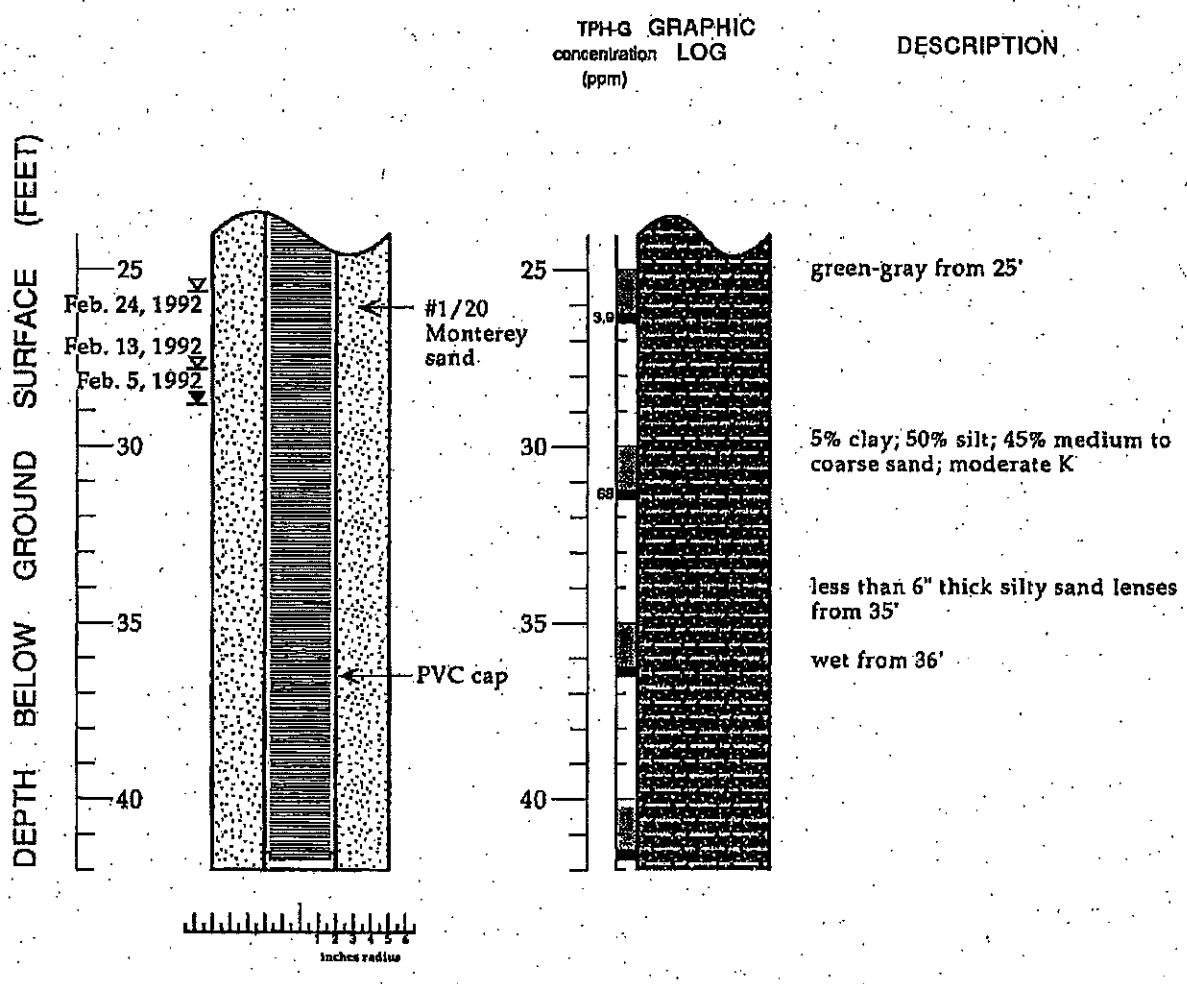
- ▼ Water level during drilling (date)
- ▽ Water level (date)
- ——····—— Contact (dotted where approximate)
- —?—?— Uncertain contact
- ''''''''' Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic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

2/26/92

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-4
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	03-Mar-95
LOCATION	San Leandro, California	**DRILLING COMPLETED**	03-Mar-95
PROJECT NUMBER	240612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	40.08 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	10"	**SCREENED INTERVALS**	5 to 17 fbg
LOGGED BY	Faith Daverin	**DEPTH TO WATER (First Encountered)**	22.00 fbg (03-Mar-95)
REVIEWED BY	James W. Carmody; CEG 1576	**DEPTH TO WATER (Static)**	9.5 fbg (24-Mar-95)
REMARKS	Transcribed from original WA log		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt/Concrete	0.6	Portland Type I/II Cement with 3-5% Bentonite.
							Gravel Base	1.6	Bentonite Seal
				5	ML		**Clayey SILT**; (ML); Very dark gray; medium stiff; damp; 90% fines, 10% fine sand; low to medium plasticity; low estimated hydraulic conductivity.		
				10					2"-diam., 0.010" Slotted Schedule 40 PVC
				15	ML		Moist **Clayey SILT**; (ML); Brown, speckled black; slightly dense; very wet; 75% fines, 25% fine to coarse sand; low plasticity; low estimated hydraulic conductivity.	14.0	Monterey Sand # 1/20
				20			**Clayey SILT**; (ML); Brown, speckled black; medium stiff; damp; 80% fines, 20% fine to coarse sand, coarsens downward; low plasticity; low estimated hydraulic conductivity.	18.0	

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-4
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	03-Mar-95
LOCATION	San Leandro, California	**DRILLING COMPLETED**	03-Mar-95

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					ML		▽ 6/6/94		
					GM		**Sandy GRAVEL**; (GM); Brown; medium dense; very moist; 25% fines, 25% medium to coarse Sand, 50% Gravel to 0.25" diameter; moderate to high estimated hydraulic conductivity.	23.0	
				25	ML		**Sandy SILT** (ML); Light brown speckled black; slightly dense; damp to moist; 70% fines, 30% fine to medium Sand; low plasticity; low estimated hydraulic conductivity.	25.5	
					GM		**Sandy GRAVEL**; (GM); Brown; medium dense; very moist; 10% fines, 90% fine to coarse Sand; high estimated hydraulic conductivity.	27.0	
					SM		**Silty SAND**; (SM); Light brown; loose; very wet; 30% Silt, 70% very fine to fine Sand; low plasticity; moderate estimated hydraulic conductivity.	29.0	
				30				30.0	Bottom of Boring @ 30 fbg

BORING/WELL LOG

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CLIENT NAME Shell Oil Products Company (US)
JOB/SITE NAME 1784 150th Avenue
LOCATION San Leandro, California
PROJECT NUMBER 248-0612-008
DRILLER Gregg Drilling
DRILLING METHOD Hollow-stem auger
BORING DIAMETER 8"
LOGGED BY S. Landsittel
REVIEWED BY S. Bork, RG# 5620

BORING/WELL NAME MW-5
DRILLING STARTED 24-Oct-01
DRILLING COMPLETED 24-Oct-01
WELL DEVELOPMENT DATE (YIELD) NA
GROUND SURFACE ELEVATION 40.78 ft above msl
TOP OF CASING ELEVATION Not Surveyed
SCREENED INTERVAL 10 to 25 fbg
DEPTH TO WATER (First Encountered) 20.0 ft (24-Oct-01)
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 (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)
							ASPHALT	0.5
							FILL; yellowish brown; mottled; 10% clay, 10% silt, 60% sand, 20% gravel; no plasiticity; 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 Grave**(SM); light brown; 10% clay, 20% silt, 50% sand, 20% gravel; low plasticity; damp.	16.0
								19.0
				20	ML		**Clayey Sandy SILT**(ML); brown; 15% clay, 58% silt, 25% sand, 2% gravel; medium plasticity; damp. ▽	
				25			@ 24.5 ft bgs - 20% clay, 58% silt, 20% sand, 2% gravel.	25.0
				30				
				35				

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) K:\SAN\LEA~2\GINT\SNL1784.GPJ DEFAULT.GDT 11/3/06

BORING / WELL LOG

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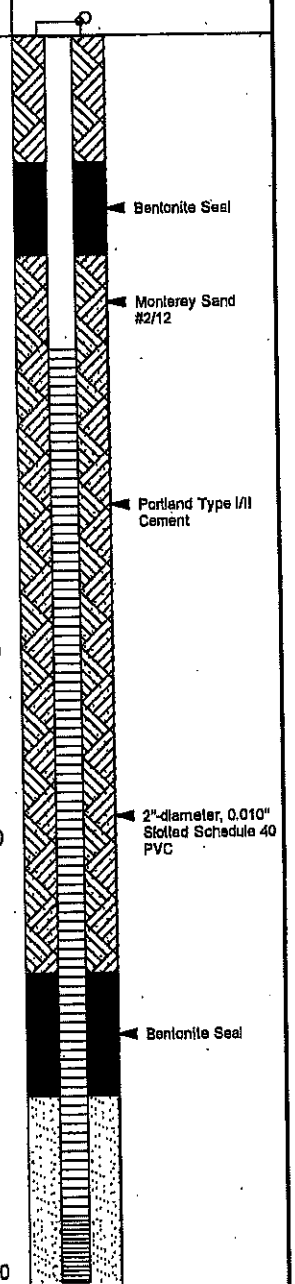
CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-6
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	24-Oct-01
LOCATION	San Leandro, California	DRILLING COMPLETED	24-Oct-01
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	41.76 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	8"	SCREENED INTERVALS	5 to 20 fbg
LOGGED BY	S. Landsittel	DEPTH TO WATER (First Encountered)	8.00 fbg (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 (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							ASPHALT	0.4
							FILL; reddish brown; 5% clay, 5% silt, 55% sand, 35% subangular gravel; no plasticity; damp.	
								3.0
					CL		Silty CLAY (CL); black; 75% clay, 20% silt, 5% sand; stiff; high plasticity; moist.	
							@ 4 ft bgs - wet.	
		MW-6- 5.5		5				
				10	GM		Silty Sandy GRAVEL (GM); brown; 5% clay, 25% silt, 20% fine sand, 50% subangular gravel; no plasticity; wet.	10.0
							Clayey SILT (ML); light brown; 25% clay, 60% silt, 10% sand, 5% gravel; stiff; low to medium plasticity; damp.	13.0
				15	ML			
							@ 18.5 ft bgs - 25% clay, 65% silt, 8% sand, 2% gravel.	
				20				20.0

WELL DIAGRAM



WELL LOG (PID) I:\SHELL\96-CHARS\2406--1240612--1124CRE8--1SNL1784.GPJ DEFAULT.GDT 6/10/09

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-6
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	24-Oct-01
LOCATION	San Leandro, California	**DRILLING COMPLETED**	24-Oct-01

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
									Bottom of Boring @ 20 fbg Monterey Sand #2/12 2"-diameter, 0.010" Slotted Schedule 40 PVC

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-7
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	03-Oct-02
LOCATION	San Leandro, California	**DRILLING COMPLETED**	03-Oct-02
PROJECT NUMBER	248-0612-008	**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 fbg
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.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)
							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
no odor		SB7@5'		5	CL		**Silty CLAY** (CL); 10YR 2/1, Black; hard; dry; 65% Clay, 35% Silt; very low plasticity; no odor.	
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
		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.	
no odor		SB7@20'		20			Very stiff, brittle; dry; 100% Silt.	22.3
					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
hydrocarbon odor		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
					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.	
hydrocarbon odor		SB7@32'		30				32.0
				35				

WELL DIAGRAM

- Portland Type I/II Cement
- Bentonite Seal
- Monterey Sand #2/12
- 2"-diameter, 0.010" Slotted Schedule 40 PVC
- Bottom of Boring @ 32 ft

WELL LOG (PID) K:\SANLEA-2\GINTS\NL1784.GPJ DEFAULT.GDT 11/3/06

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-8
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	04-Oct-02
LOCATION	San Leandro, California	**DRILLING COMPLETED**	04-Oct-02
PROJECT NUMBER	248-0612-008	**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 fbg
LOGGED BY	S. Dalle	**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.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)
							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
							Silty CLAY (CL); 10YR 2/1, black; medium hard; dry; 80% Clay; 20% Silt; very low plasticity; no odor.	
no odor		MW8@5'		5	CL			
no odor		MW8@10'		10			10YR 3/1, very dark grey; very hard; dry; 75% Clay, 25% Silt; low plasticity.	11.5
							Clayey SILT (ML); GLEY, 5GY 5/1; stiff; hard; 10% Clay, 90% Silt; no plasticity.	
odor		MW8@15'		15	ML			
							Slighlty more Clay; stiff; dry; 20% Clay, 80% Silt; slight staining.	
strong hydrocarbon odor		MW8@20'		20			GLEY, 5GY 5/1, stained; stiff; dry; 25% Clay, 75% Silt; hydrocarbon odor.	20.8
							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.	
strong hydrocarbon odor		MW8@25'		25	GM		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
slight hydrocarbon odor				30				
				35				

WELL DIAGRAM

- Portland Type I/II Cement
- Bentonite Seal
- Monterey Sand #2/12
- 2"-diameter, 0.010" Slotted Schedule 40 PVC

Bottom of Boring @ 27.5 ft

WELL LOG (PID) K:\SANLEA~2\GINT\SNL1784.GPJ DEFAULT.GDT 11/3/06

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (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	248-0612-008	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	41.84 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	41.65 ft above msl
BORING DIAMETER	8"	**SCREENED INTERVAL**	30 to 35 fbg
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)**	14.78 ft (20-Nov-03)
REMARKS	Hand augered to 5 fbg, located in Portofino Circle.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)
							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				
0		MW-9-10'		10			Brownish gray; very stiff to hard; dry; 90% clay, 5% silt; no plasticity.	
								15.0
0.1		MW-9-15'		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.	35.0
				35				

WELL DIAGRAM: Portland Type I/II; Bentonite Seal; Lonestar Sand #2/12; 2"-diam., 0.010" Slotted Schedule 40 PVC

WELL LOG (PID) K:\SANLEA-2\GINTS\NL1784.GPJ DEFAULT.GDT 10/26/06

Continued Next Page

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BORING/WELL LOG

CLIENT NAME Shell Oil Products Company (US)
JOB/SITE NAME 1784 150th Avenue
LOCATION San Leandro, California

BORING/WELL NAME MW-9
DRILLING STARTED 19-Nov-03
DRILLING COMPLETED 19-Nov-03

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.1		MW-9-34.5'		40 45 50 55 60 65 70 75					Bottom of Boring @ 35 ft

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (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	248-0612-008	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	50.98 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	50.64 ft above msl
BORING DIAMETER	10"	**SCREENED INTERVAL**	28 to 32 fbg
LOGGED BY	S. Dalle	**DEPTH TO WATER (First Encountered)**	23.5 ft (20-Nov-03) ▽
REVIEWED BY	M. Derby, PE# 55475	**DEPTH TO WATER (Static)**	20.00 ft (20-Nov-03) ▼
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	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	
							Clayey SILT (ML); Light olive gray; very dense; dry; 30% clay, 70% silt. ▼		
8		MW-10-20'		20	ML			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 4"-diam., 0.010" Slotted Schedule 40 PVC
111		MW-10-30'		30	ML				
104		MW-10-31.5'						32.0	Bottom of Boring @ 32 ft
				35					

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (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	248-0612-008	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	45.94 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	45.58 ft above msl
BORING DIAMETER	10"	**SCREENED INTERVAL**	15 to 25 fbg
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)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)
							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
							Clayey SILT (ML); Olive gray; dense; dry; 45% clay, 55% silt.	
18		MW-11-15'		15	ML			
51		MW-11-20'		20				22.5
					GC		**Clayey GRAVEL** (GC); Olive gray; medium dense; wet; 25% clay, 5% sand, 70% gravel. ▽	
11		MW-11-25'		25				25.0
				30				
				35				

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) K:\SANLEA~2\GINTS\NL1784.GPJ DEFAULT.GDT 10/26/06

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	SB-24/MW-12
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	23-May-06
LOCATION	San Leandro, California	DRILLING COMPLETED	26-Feb-06
PROJECT NUMBER	248-0612-008	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	44.46 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	44.10 ft above msl
BORING DIAMETER	8"	SCREENED INTERVALS	18 to 28 fbg
LOGGED BY	B. DeBoer	DEPTH TO WATER (First Encountered)	24.0 fbg (26-May-06)
REVIEWED BY	A. Cool	DEPTH TO WATER (Static)	NA
REMARKS	Air Knife to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							Asphalt	0.6
							Baserock	1.6
							SILT [ML]; 10YR 2/1, black; dry; 30% clay, 70% silt; medium plasticity.	
6		SB-24-5		5				
9		SB-24-10		10	ML			
							SILT [ML]; 10YR 3/1, very dark gray with green mottling; dry; 40% clay, 60% silt; medium plasticity.	12.0
0		SB-24-15		15				
							SILT [ML]; GLEY1 4/10Y, dark greenish gray; dry; 10% clay, 80% silt, 10% fine sand; low plasticity.	16.0
451		SB-24-20		20				
								22.0
							SILT with sand [ML]; GLEY1 4/10Y dark greenish gray; moist; 10% clay, 65% silt, 25% fine sand; medium plasticity.	23.0
869		SB-24-24		25	SM		SAND with silt and gravel [SM]; GLEY1 4/10Y, very dark greenish gray; wet; 15% silt, 65% coarse sand, 20% fine gravel.	
								27.0
					CL		CLAY [CL]; GLEY1 4/5GY, very dark greenish gray; moist; 60% clay, 40% silt; high plasticity.	
419				30				30.0

WELL DIAGRAM: Portland Type I/II; Bentonite Seal; Monterey Sand # 1/20; 2"-diam., 0.010" Slotted Schedule 40 PVC; Bottom of Boring @ 30 fbg

WELL LOG (PID) G:\SAN_LEA-4\GINT\SNL1784.GPJ DEFAULT.GDT 7/14/06

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	SB-25/MW-13
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	23-May-06
LOCATION	San Leandro, California	DRILLING COMPLETED	24-May-06
PROJECT NUMBER	248-0612-008	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	41.84 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	41.59 ft above msl
BORING DIAMETER	8"	SCREENED INTERVALS	14 to 24 fbg
LOGGED BY	B. DeBoer	DEPTH TO WATER (First Encountered)	22.0 fbg (24-May-06)
REVIEWED BY	A. Cool	DEPTH TO WATER (Static)	NA
REMARKS	Air Knife to 5 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	
							SILT [ML]; 10YR 2/1, black; dry; 35% clay, 65% silt; medium plasticity.	3.0	
							SILT [ML]; 10YR 2/1, black; dry; 30% clay, 65% silt, 5% fine gravel; medium plasticity.	5.0	
0				5	ML		SILT with sand[ML]; 10YR 2/1, black; dry; 25% clay, 55% silt, 15% coarse sand, 5% fine gravel; medium plasticity.	7.0	Portland Type I/II
							SILT [ML]; 10YR 2/1, black; dry; 40% clay, 55% silt, 5% coarse sand; medium plasticity.		
0				10	CL		CLAY [CL]; 10YR 4/1, dark gray; dry; 60% clay, 35% silt, 5% coarse sand; high plasticity.	10.0	Bentonite Seal
									Monterey Sand # 1/20
0				15	ML		SILT [ML]; 10YR 5/6, yellowish brown; dry; 30% clay, 60% silt, 10% fine sand; medium plasticity.	15.0	
0		SB-25 W-29		20			SILT with sand[ML]; 10YR 5/6, yellowish brown; moist; 30% clay, 40% silt, 30% fine sand; medium plasticity.	20.0	2"-diam., 0.010" Slotted Schedule 40 PVC
							▽	22.0	
					SC		CLAYEY sand with gravel[SC]; 10YR 5/6, yellowish brown; wet; 20% clay, 50% coarse sand, 30% fine gravel.	23.0	
3					CL		CLAY [CL]; 10YR 5/6, yellowish brown; moist; 65% clay, 35% silt; medium plasticity.	24.0	
				25					
		SB-25 W-31		30					
				35					Bottom of Boring @ 35 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	EW-1
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	26-Aug-08
LOCATION	San Leandro, California	**DRILLING COMPLETED**	03-Sep-08
PROJECT NUMBER	240612	**WELL DEVELOPMENT DATE (YIELD)**	15-Sep-08 (75 gallons)
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	48.74 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	48.44 ft above msl
BORING DIAMETER	10"	**SCREENED INTERVALS**	21 to 36 fbg
LOGGED BY	E. Reinhart-Koylu	**DEPTH TO WATER (First Encountered)**	33.00 fbg (03-Sep-08)
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	23.26 fbg (15-Sep-08)
REMARKS	Air knife to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	Flush-grade 12" well box
0					ML		**SILT with gravel**; black (10 YR 2/1); moist; 30% clay, 55% silt, 5% sand, 10% gravel; medium plasticity.		
							@ 2.5' - **SILT**; black (2.5Y 2.5/1); moist; 30% clay, 65% silt, 5% sand; medium plasticity.		
0				5			@ 5' - **Sandy SILT**; black (2.5Y 2.5/1); moist; 20% clay, 50% silt, 30% fine to coarse sand; medium plasticity.		
7.4					CL		**CLAY**; black (10 YR 2/1); moist; 75% clay, 25% silt; medium plasticity.	6.0	
1.2		EW-1 @ 7'							
1.3							@ 8' - 65% clay, 35% silt.		
							SILT; very dark brown (10YR 2/2); moist; 35% clay, 65% silt; medium plasticity.	9.0	Portland Type I/II
0.3				10			@ 10' - very dark grayish brown (2.5Y 3/2).		
							@ 11' - dark gray (5Y 4/1); dry; 15% clay, 75% silt, 10% fine sand; low plasticity.		
2.8							@ 12' - light olive brown (2.5Y 5/3); 15% clay, 80% silt, 5% fine sand.		
6.1					ML		@ 14' - olive brown (2.5Y 4/3); 10% clay, 80% silt, 10% sand.		
7.4				15					
5.4							@ 17' - **SILT with Sand**; olive brown (2.5Y 4/3); dry; 80% silt, 20% fine to medium sand; low plasticity.		Bentonite Seal
							@ 18' - **Sandy SILT**; olive brown (2.5Y 4/3); dry; 65% silt, 35% fine to medium sand; low plasticity.		
				20					

WELL LOG (PID) I:\SHELL\R-CHARS\2406--\240612-SAN LEANDRO 1784 150TH\240612-GINTSNL1784.GPJ DEFAULT.GDT 2/6/09

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	EW-1
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	26-Aug-08
LOCATION	San Leandro, California	**DRILLING COMPLETED**	03-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
2.2		EW-1 @ 20'					@ 20' - **SILT with Sand**; pale yellow (2.5Y 5/4); dry; 5% clay, 60% silt, 25% fine to medium sand, 10% fine gravel; low plasticity.		Monterey Sand #2/12
4.2									
9.7					ML		@ 22' - **Sandy SILT**; dark grayish brown (10YR 4/4); moist; 70% silt, 30% fine sand; medium plasticity. ▼		
							@ 24' - **SILT with Sand**; dark grayish brown (10YR 4/4); moist; 75% silt, 25% fine sand; medium plasticity.		
72				25					
137					SM		**Silty SAND**; olive gray (5Y 4/2); moist; 20% silt, 80% fine to coarse angular sand.	26.0	
							SILT with Sand; olive gray (5Y 5/2); moist; 80% silt, 20% fine to medium sand; medium plasticity.	26.5	
294							@ 28' - dark yellowish brown (10YR 4/2); dry.		4"-diam., 0.020" Slotted Schedule 40 PVC
360		EW-1 @ 30'		30			@ 30' - brown (10 YR 5/3); dry; 5% clay, 85% silt, 15% sand.		
345					ML		@ 31' - dark gray (5Y 4/1).		
							@ 32' - **Sandy SILT**; olive gray (5Y 4/2); moist; 65% silt, 35% fine to medium sand; low plasticity. ▽		
278									
83.7		EW-1 @ 35'		35			@ 35' - dark gray (5Y 4/1).		
19.9							@ 35.5' - olive brown (2.5Y 4/3); dry.	36.0	Bottom of Boring @ 36 fbg

BORING / WELL LOG

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CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	EW-2
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	28-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	04-Sep-08
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	17-Sep-08 (88 gallons)
DRILLER	Gregg Drilling, C-57 #485165	GROUND SURFACE ELEVATION	45.29 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	44.52 ft above msl
BORING DIAMETER	10"	SCREENED INTERVALS	18 to 33 fbg
LOGGED BY	E. Reinhart-Koylu	DEPTH TO WATER (First Encountered)	20.00 fbg (04-Sep-08)
REVIEWED BY	P. Schaefer	DEPTH TO WATER (Static)	19.35 fbg (15-Sep-08)
REMARKS	Air knife to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	Flush-grade 12" well box
							SILT with Gravel ; black (10 YR 2/1); moist; 30% clay, 55% silt, 5% sand, 10% fine gravel; medium plasticity.		
0									
0							@ 3.5' - **SILT**; black (10 YR 2/1); moist; 35% clay, 60% silt, 5% sand; medium plasticity.		
2.1		EW-2 @ 5		5			@ 5' - 50% clay, 50% silt.		
1.8							@ 7' - 45% clay, 55% silt.		Portland Type I/II
5.1							@ 9' - very dark gray (10YR 3/1); 35% clay, 65% silt.		
		EW-2 @ 10		10	ML		@ 11' - gray (10YR 5/1); dry; 5% clay, 95% silt; low plasticity.		
33.9							@ 12.5' - very dark grayish brown (10YR 3/2); moist; 35% clay, 65% silt, medium plasticity.		
							@ 14' - dark gray (2.5Y 4/1); dry; 10% clay, 90% silt; low plasticity.		
				15			@ 15' - dark greenish gray (GLEY 1 4/1); 15% clay, 80% silt, 5% sand.		Bentonite Seal
9.2									
15.7		EW-2 @ 15					@ 17' - dark gray (10YR 4/1); moist; 25% clay, 70% silt, 5% sand; medium plasticity.		Monterey Sand #2/12
							@ 18.5' - **Sandy SILT** ; dark grayish brown (2.5Y 4/2); moist; 5% clay, 60% silt, 35% fine to medium sand; low plasticity.		
				20					

WELL LOG (PID) I:\SHELL\6-CHARS\2406--\240612-SAN LEANDRO 1784 150TH\240612-GINT\SNL1784.GPJ DEFAULT.GDT 2/6/09

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	EW-2
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	28-Aug-08
LOCATION	San Leandro, California	**DRILLING COMPLETED**	04-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
78.1		EW-2 @ 20'			ML				
								21.0	
							@ 21' - **Silty SAND** ; olive gray (5Y 5/2); wet; 5% clay, 35% silt, 60% angular sand.		
24.9					SM				
								23.0	
							@ 23' - **SILT**; olive brown (2.5Y 4/3); moist; 100% silt; low plasticity.		
224					ML				
				25				25.0	
225							@ 25' - **CLAY**; dark gray (5Y 4/1); moist; 65% clay, 35% silt; medium plasticity.		4"-diam., 0.020" Slotted Schedule 40 PVC
					CL				
								27.0	
357		EW-2 @ 27'					**SILT**; dark gray (5Y 4/1); moist; 25% clay, 65% silt, 10% fine to medium sand; low plasticity.		
301							@ 29' - pale yellow (2.5Y 5/4); dry; 5% clay, 95% silt.		
				30			@ 30' - olive brown (2.5Y 4/3); 5% clay, 85% silt, 10% fine sand.		
					ML				
66.5									
59.3		EW-2 @ 33.5'					@ 33' - **SILT with Sand**; olive brown (2.5Y 4/4); moist; 5% clay, 80% silt, 15% fine sand; low plasticity.		
								34.0	Bottom of Boring @ 34 fbg

BORING / WELL LOG

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CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	P-1B
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	27-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	04-Sep-08
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	16-Sep-08 (82 gallons)
DRILLER	Gregg Drilling, C-57 #485165	GROUND SURFACE ELEVATION	47.99 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	47.65 ft above msl
BORING DIAMETER	10"	SCREENED INTERVALS	26 to 36 fbg
LOGGED BY	E. Reinhart-Koylu	DEPTH TO WATER (First Encountered)	34.00 fbg (04-Sep-08) ▽
REVIEWED BY	P. Schaefer	DEPTH TO WATER (Static)	22.50 fbg (15-Sep-08) ▼
REMARKS	Air knife to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.3	Flush-grade 12" well box
0					SM		Silty SAND with Gravel; very dark grayish brown (10YR 3/2); 15% silt, 65% fine to coarse sand, 20% gravel.	4.0	
0					SW		SAND	4.3	
					ML		SILT; very dark grayish brown (10YR 3/2); 20 % clay, 75% silt, 5% sand; medium plasticity.	5.0	
2.8				5			CLAY; black (10YR 2/1); moist; 60% clay, 35% silt, 5% sand; medium plasticity.		
6.3		P-1B @ 7					@ 7' - 65% clay, 30% silt, 5% sand.		
8.7					CL		@ 9' - 80% clay, 20% silt.		
12.7		P-1B @ 10		10			@ 10' - 90% clay, 10% silt.		Portland Type I/II
11									
							SILT with Sand; olive brown (2.5Y 4/3); dry; 20% clay, 55% silt, 25% fine sand; medium plasticity.	14.0	
13.1		P-1B @ 15		15					
7.2					ML		@ 17' - 15% clay, 65% silt, 20% sand.		
4.1				20			@ 19' - SILT; dark grayish brown (2.5Y 4/2); dry; 20% clay, 80% silt; medium plastitiy.		

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	P-1B
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	27-Aug-08
LOCATION	San Leandro, California	**DRILLING COMPLETED**	04-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
2.1							@ 20' - 15% clay, 85% silt; low plasticity.		
3.8									Bentonite Seal
122.5		P-1B @ 25		25					Monterey Sand #2/12
330							@ 26' - 20% clay, 70% silt, 10% fine sand. @ 27' - moist; 35% clay, 65% silt; medium plasticity.		
263					ML		@ 28' - **SILT with Sand**; dark gray (10YR 4/1); dry; 5% clay, 70% silt, 25% fine sand; low plasticity. @ 29' - dark yellowish brown (10YR 4/2);		
425		P-1B @ 30		30			@ 30' - moist; 80% silt, 20% fine sand.		
126							@ 31' - grayish brown (2.5Y 5/2); dry; 75% silt, 25% fine to medium sand.		4"-diam., 0.020" Slotted Schedule 40 PVC
92							@ 32' - **SILT**; grayish brown (2.5Y 5/2); moist; 25% clay, 70% silt, 5% sand; low plasticity.		
83				35			@ 34' - **SILT with Sand**; dark grayish brown (2.5Y 4/2); moist; 15% clay, 60% silt, 25% fine to medium sand; medium plasticity.		
36.5		P-1B @ 35.5						36.0	Bottom of Boring @ 36 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2406--\240612-SAN LEANDRO 1784 150TH\240612-GINT\SNL1784.GPJ DEFAULT.GDT 2/6/09

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	P-2A
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	26-Aug-08
LOCATION	San Leandro, California	**DRILLING COMPLETED**	02-Sep-08
PROJECT NUMBER	240612	**WELL DEVELOPMENT DATE (YIELD)**	15-Sep-08 (21 gallons)
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	49.29 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	48.81 ft above msl
BORING DIAMETER	10"	**SCREENED INTERVALS**	12 to 27 fbg
LOGGED BY	E. Reinhart-Koylu	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	23.58 fbg (15-Sep-08) ▼
REMARKS	Air knife to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.3	Flush-grade 12" well box
0					SM		**Silty SAND with Gravel**; very dark grayish brown (10YR 3/2); moist; 30% silt, 50% fine to coarse sand, 20% gravel.	1.5	
0							**SILT**; very dark grayish brown (10YR 3/2); moist; 30% clay, 65% silt, 5% sand; medium plasticity.		Portland Type I/II
0.4				5	ML		@ 5' - **SILT with Sand**; dark reddish gray (2.5YR 3/1); moist; 15% clay, 60% silt, 25% fine to medium sand; low plasticity.		
0.3							@ 7' - **Sandy SILT**; black (7.5YR 2.5/1); moist; 15% clay, 45% silt, 30% fine to coarse sand, 10% gravel; low plasticity.		Bentonite Seal
4.8		P-2A @ 10'		10			@ 8.5' - black (10YR 2/1).		
0.2					CL		**CLAY**; black (10YR 2/1); moist; 65% clay, 35% silt; medium plasticity.	10.0	Monterey Sand #2/12
0.4									
0.8									
0.1							**SILT with Sand**; brown (10YR 4/3); dry; 80% silt, 20% fine sand; low plasticity.	14.0	
		P-2A @ 15'		15					
0.8							@ 16' - dark grayish brown (2.5Y 4/2).		
1.2					ML		@ 18' - 75% silt, 25% fine sand.		
				20					4"-diam., 0.020" Slotted Schedule 40

WELL LOG (PID) I:\SHELL\6-CHARS\2406--\240612-SAN LEANDRO 1784 150TH\240612-GINT\SNL1784.GPJ DEFAULT.GDT 2/6/09

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	P-2A
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	26-Aug-08
LOCATION	San Leandro, California	**DRILLING COMPLETED**	02-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.1					ML		**Sandy SILT with gravel**; grayish brown (2.5Y 5/2); dry; 55% silt, 30% fine sand, 15% gravel; low plasticity.		PVC
0.6									
0.8							@ 22' - **Sandy SILT**; grayish brown (2.5Y 5/2); dry; 65% silt, 35% fine sand; low plasticity.		
0.2									
				25					
0							@ 25' - dark grayish brown (2.5Y 4/2).		
33.1							@ 26' - dark gray (5Y 4/1); 70% silt, 30% fine sand.	27.0	Bottom of Boring @ 27 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	P-2B
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	26-Aug-08
LOCATION	San Leandro, California	**DRILLING COMPLETED**	03-Sep-08
PROJECT NUMBER	240612	**WELL DEVELOPMENT DATE (YIELD)**	15-Sep-08 (65 gallons)
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	49.45 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	49.02 ft above msl
BORING DIAMETER	10"	**SCREENED INTERVALS**	26 to 36 fbg
LOGGED BY	E. Reinhart-Koylu	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	23.40 fbg (15-Sep-08)
REMARKS	Air knife to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.3	Flush-grade 12" well box
					SM		**Silty SAND with Gravel**; very dark grayish brown (10YR 3/2); 30% silt, 50% fine to coarse sand, 20% gravel.	1.5	
0							**SILT**; very dark grayish brown (10YR 3/2); 30% clay, 65% silt, 5% sand; medium plasticity.		
0									
1.9				5	ML		@ 5' - **Sandy SILT**; brown (7.5YR 4/4); moist; 55% silt, 45% fine to coarse sand; low plasticity.		
2.6							@ 8' - dark brown (10YR 3/3); 5% clay, 50% silt, 45% fine to coarse sand.	9.0	
4.1				10			**CLAY**; very dark gray (7.5YR 3/1); moist; 70% clay, 25% silt, 5% fine sand; medium plasticity.		
2.9							@ 10' - black (10YR 2/1); 80% clay, 20% silt.		Portland Type I/II
3.3					CL		@ 11' - black (7.5YR 2.5/1).		
2.6									
2.8									
5.6				15			@ 15' - 75% clay, 25% silt.		
4.0							**SILT**; brown (7.5YR 5/2); dry; 20% clay, 80% silt; medium plasticity.	16.0	
							@ 17' - dark grayish brown (2.5Y 4/2).		
4.0					ML		@ 18' - gray (5Y 5/1); 10% clay, 90% silt; low plasticity.		
4.0				20					

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	P-2B
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	26-Aug-08
LOCATION	San Leandro, California	**DRILLING COMPLETED**	03-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							@ 20' - dark gray (10YR 4/1); 5% clay, 85% silt, 10% fine to coarse sand.	
2.0								
2.6							@ 22' - **Sandy SILT** ; dark gray (2.5Y 4/1); dry; 60% silt, 35% fine to coarse sand, 5% gravel; low plasticity.	
							@ 23.5' - **SILT**; grayish brown (10YR 5/2); dry; 15% clay, 85% silt; low plasticity.	
2.0								
1.3				25			@ 25' - gray (10YR 5/1); 20% clay, 80% silt.	
18.3							@ 26' - dark grayish brown (2.5Y 4/2).	
92								
					ML		@ 28' - gray (5Y 5/1); 15% clay, 85% silt.	
490		P-2B @ 29					@ 29' - gray (2.5Y 5/1).	
236				30			@ 30' - **SILT with Sand** ; gray (10YR 5/1); dry; 5% clay, 75% silt, 20% fine sand; low plasticity.	
17								
27								
							@ 33' - brown (10YR 5/3); moist; 5% clay, 70% silt, 25% sand; low plasticity.	
37							@ 34' - brown (7.5YR 4/3).	
48		P-2B @ 35		35			@ 35' - brown (10YR 4/3); 20% clay, 60% silt, 20% fine sand.	36.0

WELL DIAGRAM: Bentonite Seal; Monterey Sand #2/12; 4"-diam., 0.020" Slotted Schedule 40 PVC; Bottom of Boring @ 36 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2406--\240612-SAN LEANDRO 1784 150TH\240612-GINT\SNL1784.GPJ DEFAULT.GDT 2/6/09

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	P-3B
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	28-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	05-Sep-08
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	16-Sep-08 (87 gallons)
DRILLER	Gregg Drilling, C-57 #485165	GROUND SURFACE ELEVATION	44.82 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	44.62 ft above msl
BORING DIAMETER	10"	SCREENED INTERVALS	22 to 32 fbg
LOGGED BY	E. Reinhart-Koylu	DEPTH TO WATER (First Encountered)	24.00 fbg (05-Sep-08)
REVIEWED BY	P. Schaefer	DEPTH TO WATER (Static)	19.02 fbg (15-Sep-08)
REMARKS	Air knife to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.3	Flush-grade 12" well box
0					ML		**SILT with Gravel**; black (10YR 2/1); moist; 30% clay, 55% silt, 5% sand, 10% small gravel; medium plasticity.		
0							@ 3' - 30% clay, 65% silt, 5% sand.		
1.7		P-3B @ 5		5	CL		**CLAY**; bluish black (5B 2.5/1); moist; 75% clay, 25% silt; medium plasticity.	5.0	
1.3									
2.3								9.0	Portland Type I/II
				10			**SILT**; very dark gray (10YR 3/1); moist; 25% clay, 65% silt, 10% fine to medium sand; medium plasticity.		
5.5							@ 10' - dark grayish brown (2.5Y 4/2); 35% clay, 65% silt.		
1.5							@ 12' - 20% clay, 80% silt; low plasticity.		
					ML		@ 13' - **SILT with Sand**; dark gray (2.5Y 4/1); moist; 20% clay, 55% silt, 25% fine to medium sand; low plasticity.		
5.5		P-3B @ 15		15			@ 15' - **SILT**; dark gray (5Y 4/1); dry; 20% clay, 80% silt; low plasticity.		
37.1									
150							@ 18' - gray (5Y 5/1); moist; 40% clay, 50% silt, 10% fine to coarse sand; medium plasticity.		Bentonite Seal
				20					

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	P-3B
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	28-Aug-08
LOCATION	San Leandro, California	**DRILLING COMPLETED**	05-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
382		P-3B @ 20					@ 20' - dark gray (5Y 4/1).		Monterey Sand #2/12
196							@ 22' - brown (7.5YR 4/4); 20% clay, 75% silt, 5% sand.		
95.4							@ 24' - wet; 20% clay, 80% silt. ▽		
122				25			@ 25' - gray (5Y 5/1); dry; 5% clay, 90% silt, 5% sand; low plasticity.		
					ML		@ 26' - moist.		
443		P-3B @ 27					@ 28' - 10% clay, 80% silt, 10% sand.		4"-diam., 0.020" Slotted Schedule 40 PVC
248							@ 29' - **SILT with Sand** ; grayish brown (2.5Y 5/2); dry; 5% clay, 70% silt, 25% fine sand; low plasticity.		
216				30					
77		P-3B @ 31.5					@ 31' - moist; 15% clay, 60% silt, 25% fine to medium sand.	32.0	Bottom of Boring @ 32 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	P-4B
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	27-Aug-08
LOCATION	San Leandro, California	**DRILLING COMPLETED**	05-Sep-08
PROJECT NUMBER	240612	**WELL DEVELOPMENT DATE (YIELD)**	17-Sep-08 (88 gallons)
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	45.30 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	44.93 ft above msl
BORING DIAMETER	10"	**SCREENED INTERVALS**	23 to 33 fbg
LOGGED BY	E. Reinhart-Koylu	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	19.30 fbg (15-Sep-08)
REMARKS	Air knife to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.3	Flush-grade 12" well box
0					ML		**SILT with Gravel** ; black (10YR 2/1); moist; 30% clay, 55% silt, 5% sand, 10% small gravel; medium plasticity.		
0							@ 3' - **SILT**; black (10YR 2/1); moist; 30% clay, 65% silt, 5% sand; medium plasticity.		
3.4				5			**CLAY** ; black (10YR 2/1); moist; 65% clay, 35% silt; medium plasticity.	5.0	
7.5									
9.8		P-4B @ 8'			CL		@ 9' - very dark brown (10YR 2/2).		Portland Type I/II
2.6				10					
4.4							@ 12' - very dark grayish brown (10YR 3/2).		
								13.5	
3.4							**SILT**; gray (10YR 5/1); dry; 5% clay, 95% silt; low plasticity.		
7.4				15					
10.5		P-4B @ 16'			ML		@ 16' - grayish brown (2.5Y 5/2); dry; 5% clay, 85% silt, 10% fine to coarse sand.		
4.9							@ 18' - fine sand.		
				20					

WELL LOG (PID) I:\SHELL\6-CHARS\2406--\240612-SAN LEANDRO 1784 150TH\240612-GINTSNL1784.GPJ DEFAULT.GDT 2/6/09

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	P-4B
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	27-Aug-08
LOCATION	San Leandro, California	**DRILLING COMPLETED**	05-Sep-08

Continued from Previous Page

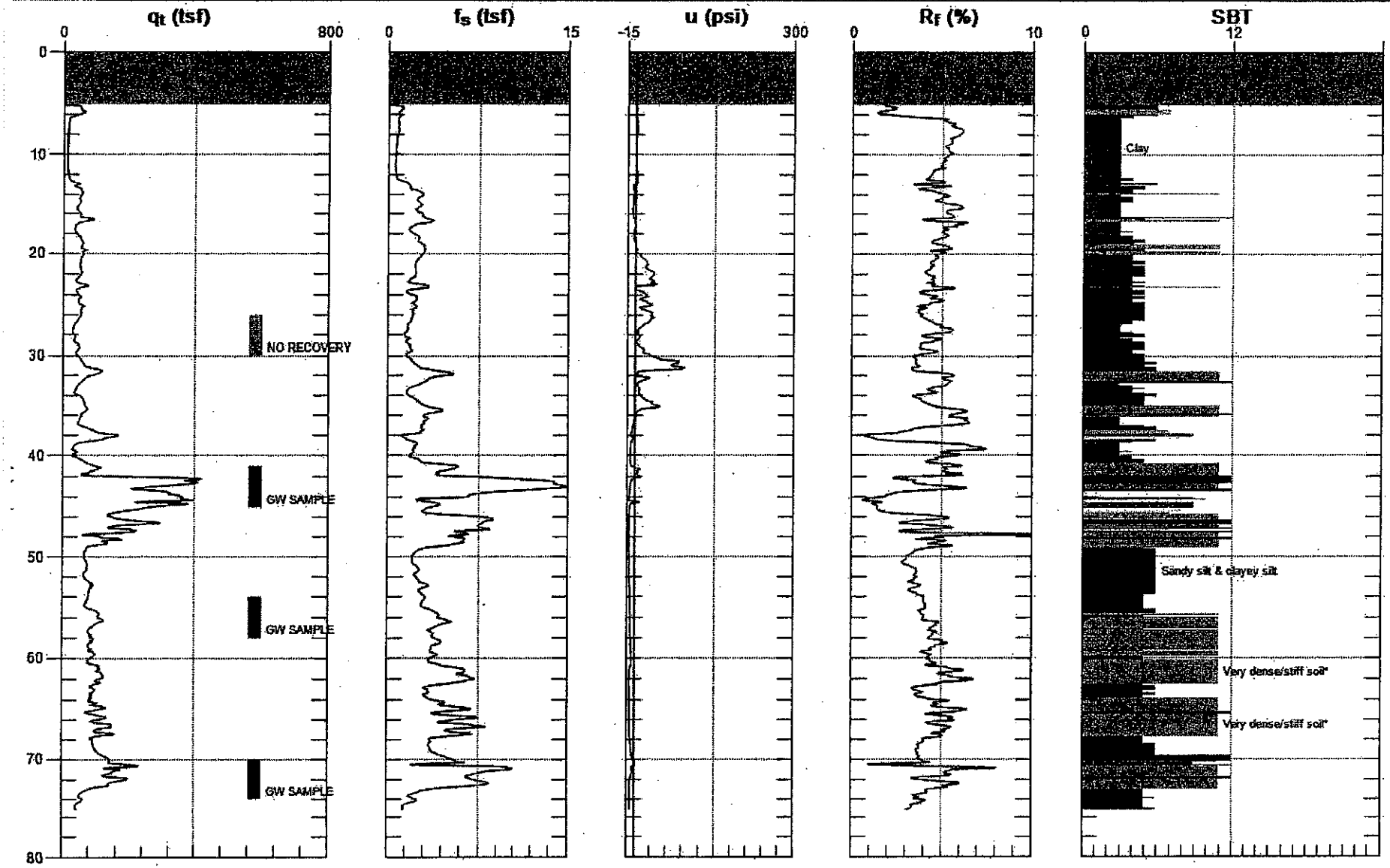
PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
49.3							@ 20' - **Sandy SILT** ; dark gray (5Y 4/1); moist; 5% clay, 55% silt, 30% fine sand, 10% small gravel; low plasticity.		Bentonite Seal
342		P-4B @ 22'					@ 22' - 5% clay, 55% silt, 30% fine to coarse sand, 10% small gravel.		Monterey Sand #2/12
418							@ 23' - 5% clay, 50% silt, 35% fine to coarse sand, 10% small gravel.		
236									
469		P-4B @ 25'		25			@ 25' - **SILT**; dark gray (5Y 4/1); dry; 10% clay, 85% silt, 5% sand; low plasticity.		
419					ML				
							@ 27' - 30% clay, 70% silt.		
329							@ 28' - 20% clay, 80% silt.		4"-diam., 0.020" Slotted Schedule 40 PVC
251				30			@ 30' - **SILT with Sand** ; olive gray (5Y 5/2); moist; 5% clay, 70% silt, 25% fine to medium sand; low plasticity.		
214									
88		P-4B @ 32.5'						33.0	Bottom of Boring @ 33 fbg

REGG

CRA

Site: SHELL BRANDED STATION Engineer: S.LEWIS

Sounding: CPT-01 Date: 8/30/2007 02:19



Max. Depth: 75.131 (ft)
Avg. Interval: 0.164 (ft)

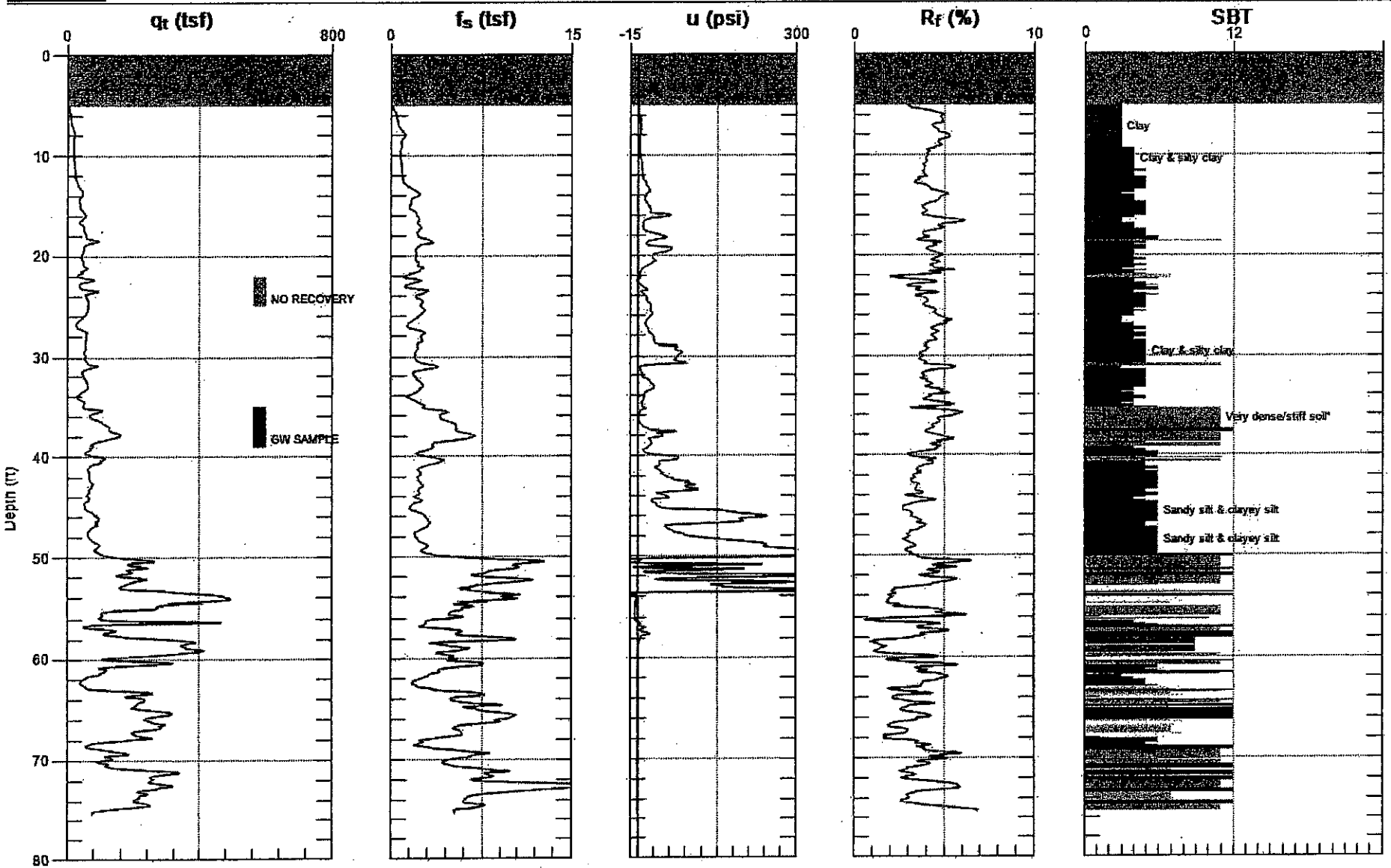
SBT: Soil Behavior Type (Robertson 1990)

REGG

CRA

Site: SHELL BRANDED STATION Engineer: S.LEWIS

Sounding: CPT-02 Date: 8/29/2007 01:58



Max. Depth: 75.295 (ft)
Avg. Interval: 0.164 (ft)

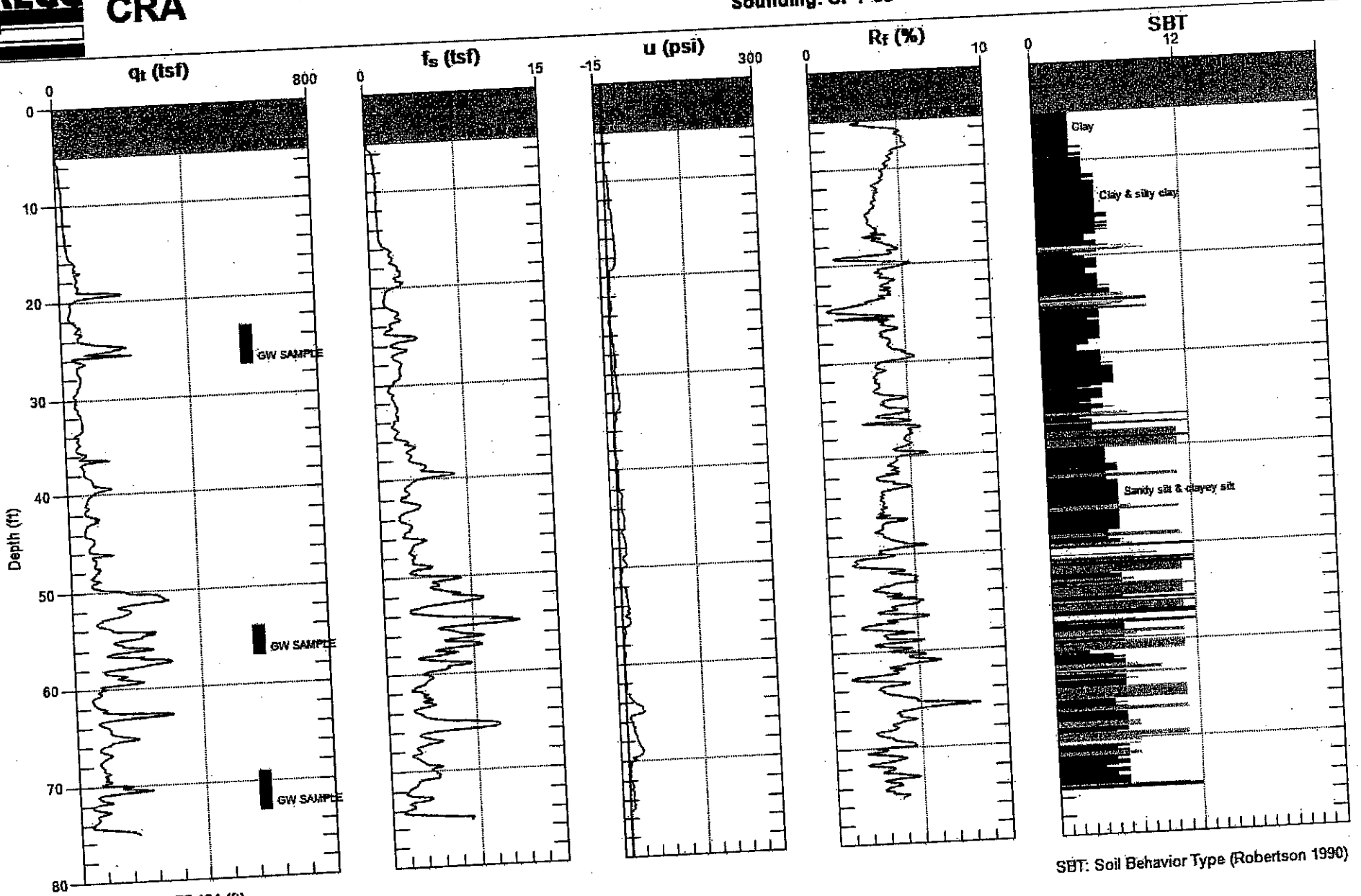
SBT: Soil Behavior Type (Robertson 1990)

REGG

CRA

Site: SHELL BRANDED STATION Engineer: S.LEWIS

Sounding: CPT-03 Date: 8/29/2007 08:43



Max. Depth: 75.131 (ft)
Avg. Interval: 0.164 (ft)

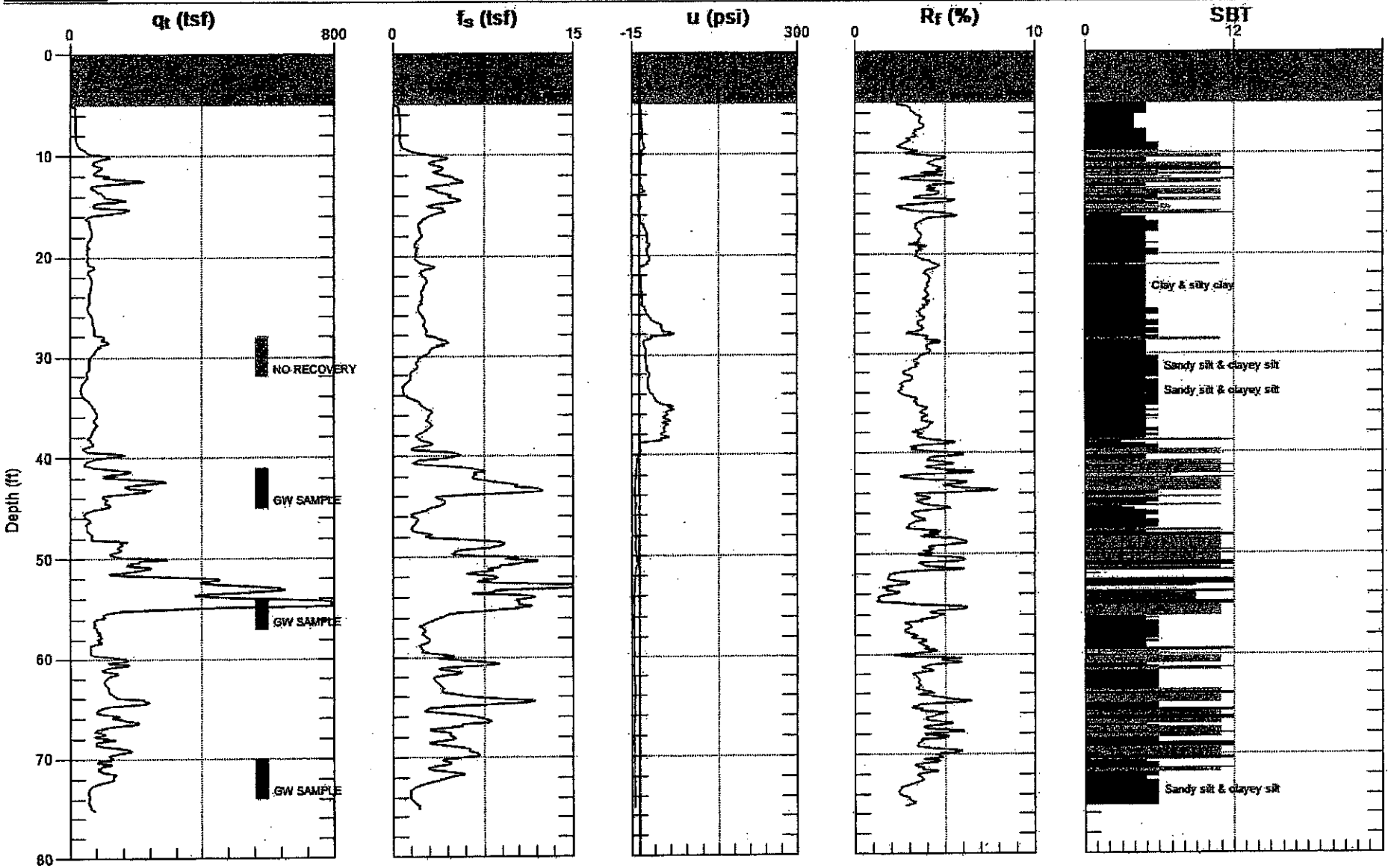
SBT: Soil Behavior Type (Robertson 1990)

REGG

CRA

Site: SHELL BRANDED STATION Engineer: S.LEWIS

Sounding: CPT-05 Date: 8/31/2007 08:15



Max. Depth: 75.131 (ft)
Avg. Interval: 0.164 (ft)

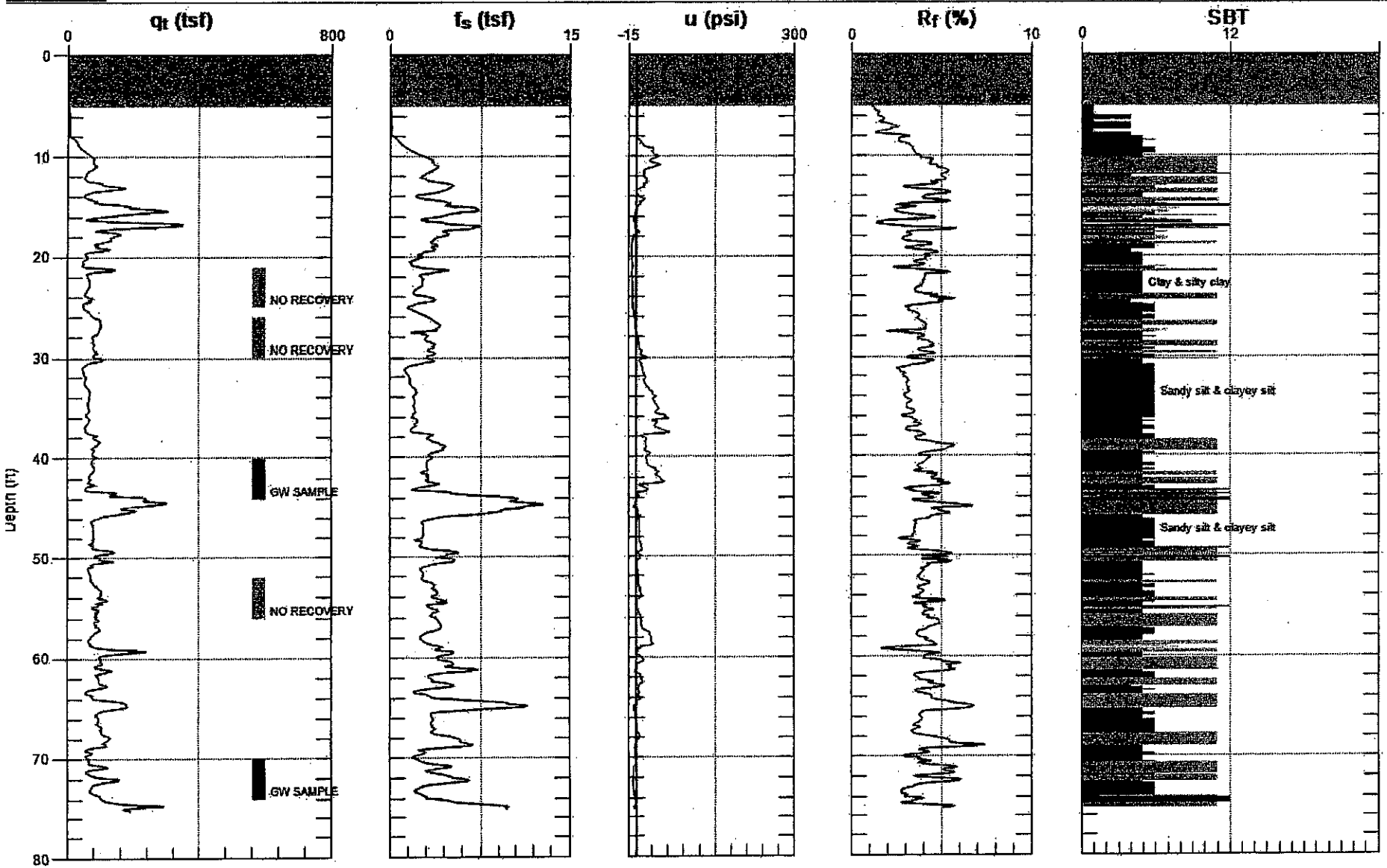
SBT: Soil Behavior Type (Robertson 1990)

REGG

CRA

Site: SHELL BRANDED STATION Engineer: S.LEWIS

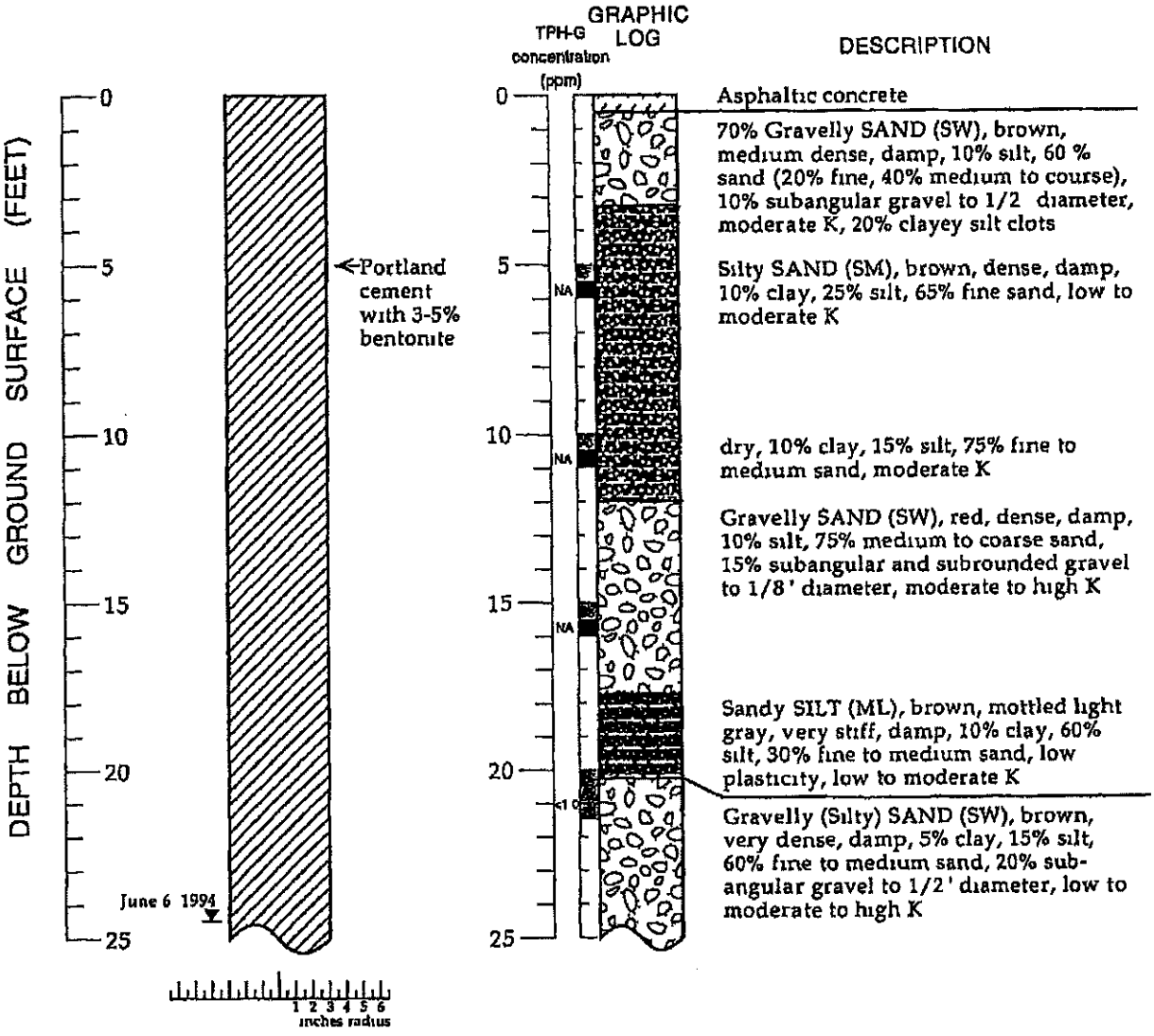
Sounding: CPT-06 Date: 8/30/2007 08:47



Max. Depth: 75.131 (ft)
Avg. Interval: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

SOIL BORING BH-1



EXPLANATION

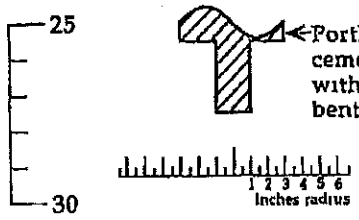
- ▼ Water level during drilling (date)
- ▽ Water level (date)
- — Contact (dotted where approximate)
- —?—?— Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity
- NA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

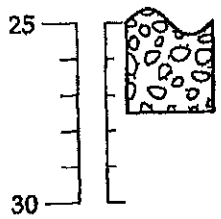
Boring Log Construction Details - BH-1 - Shell Service Station WIC# 204-6852-1404, 1784 150th Avenue, San Leandro, California

SOIL BORING BH-1 (cont)

DEPTH BELOW GROUND SURFACE (FEET)



GRAPHIC LOG

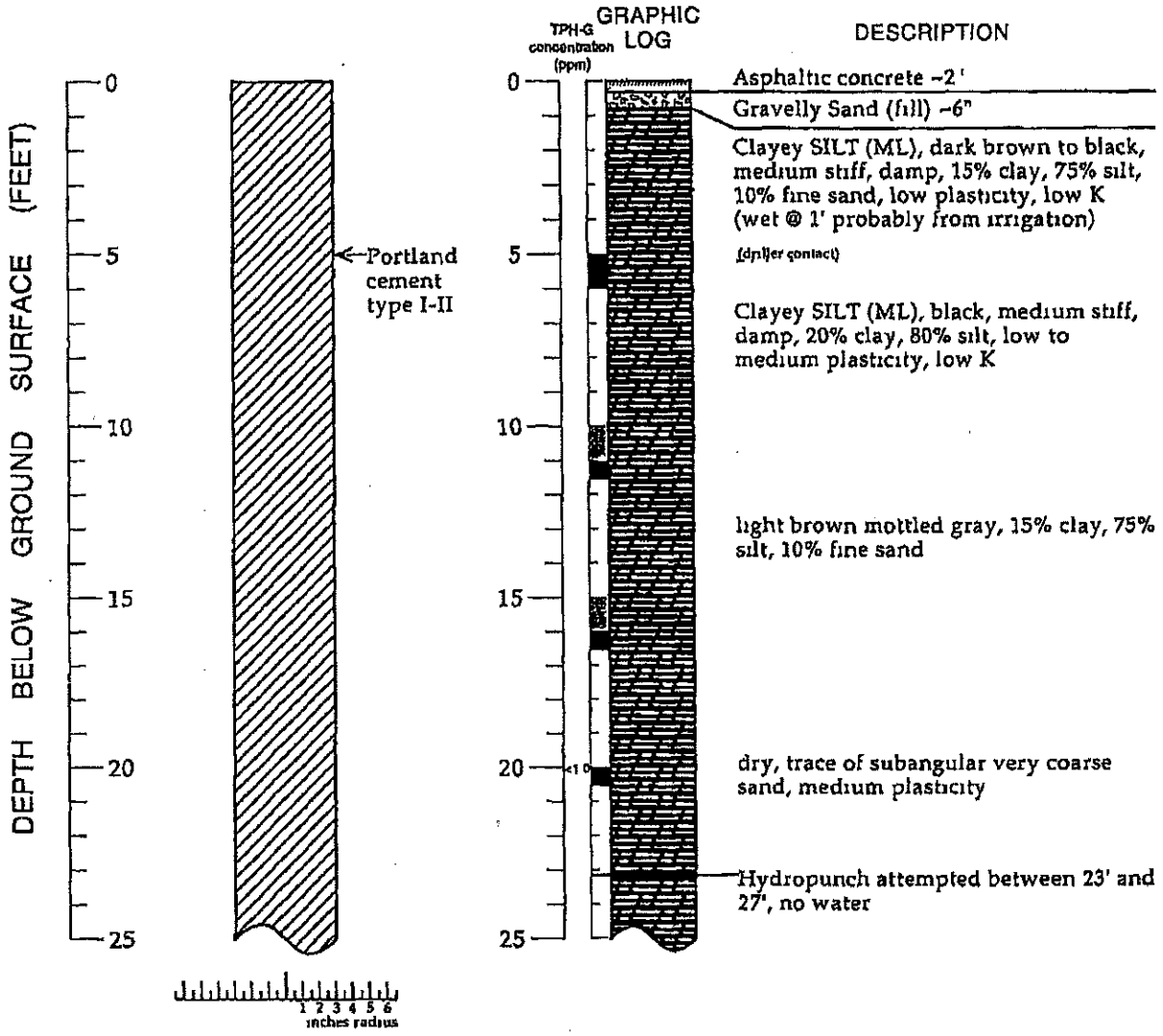


DESCRIPTION

Hydropunch to 27 3'

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

SOIL BORING BH-2



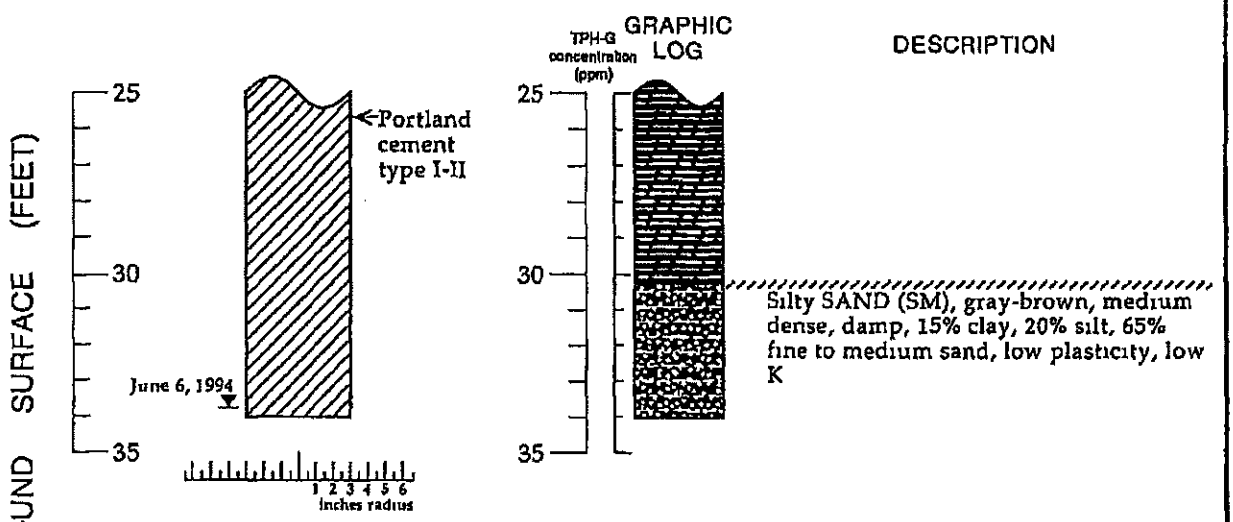
EXPLANATION

- 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

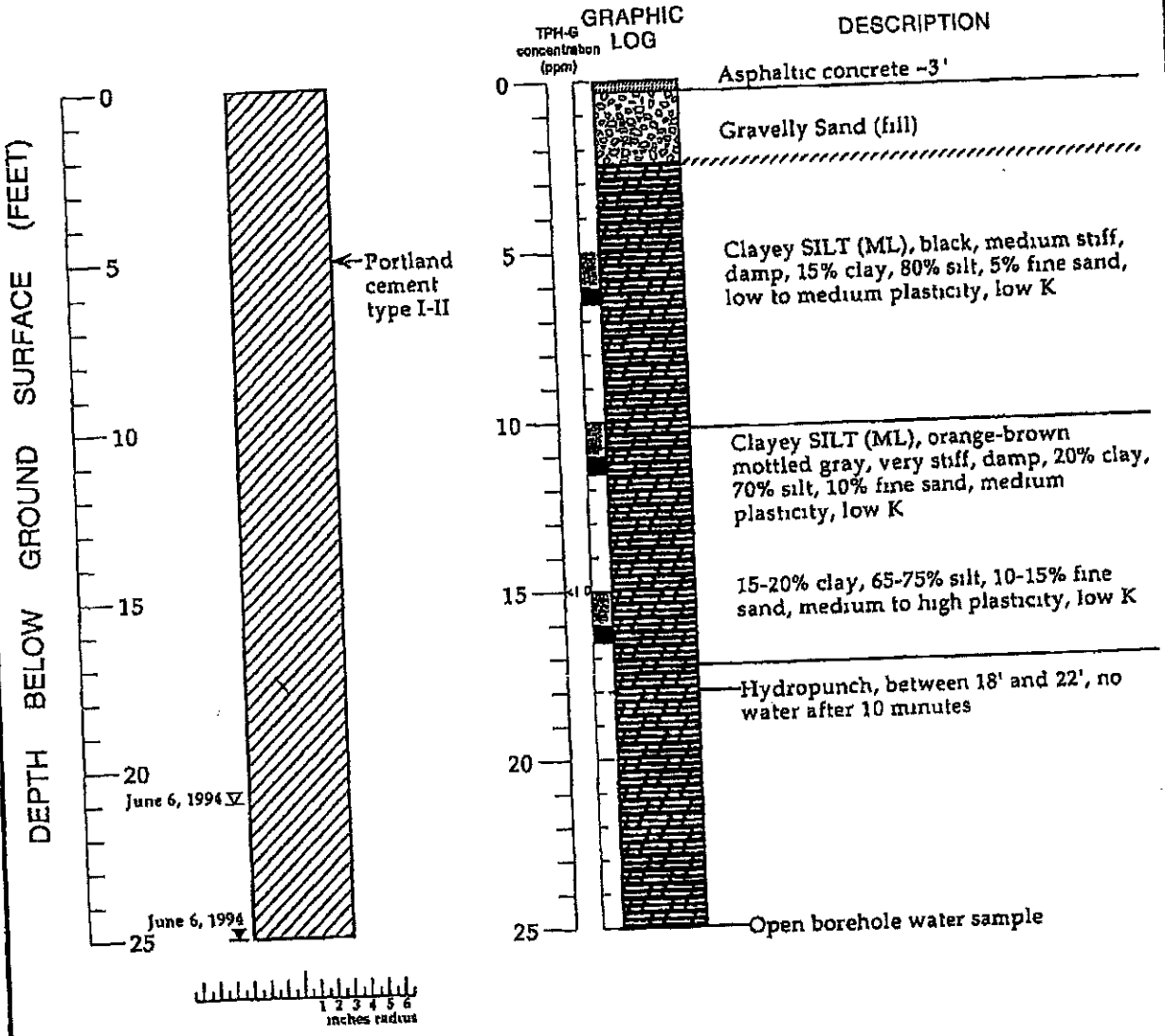
Boring Log Construction Details - BH-2 - Shell Service Station WIC# 204-6852-1404, 1784 150th Avenue, San Leandro, California

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

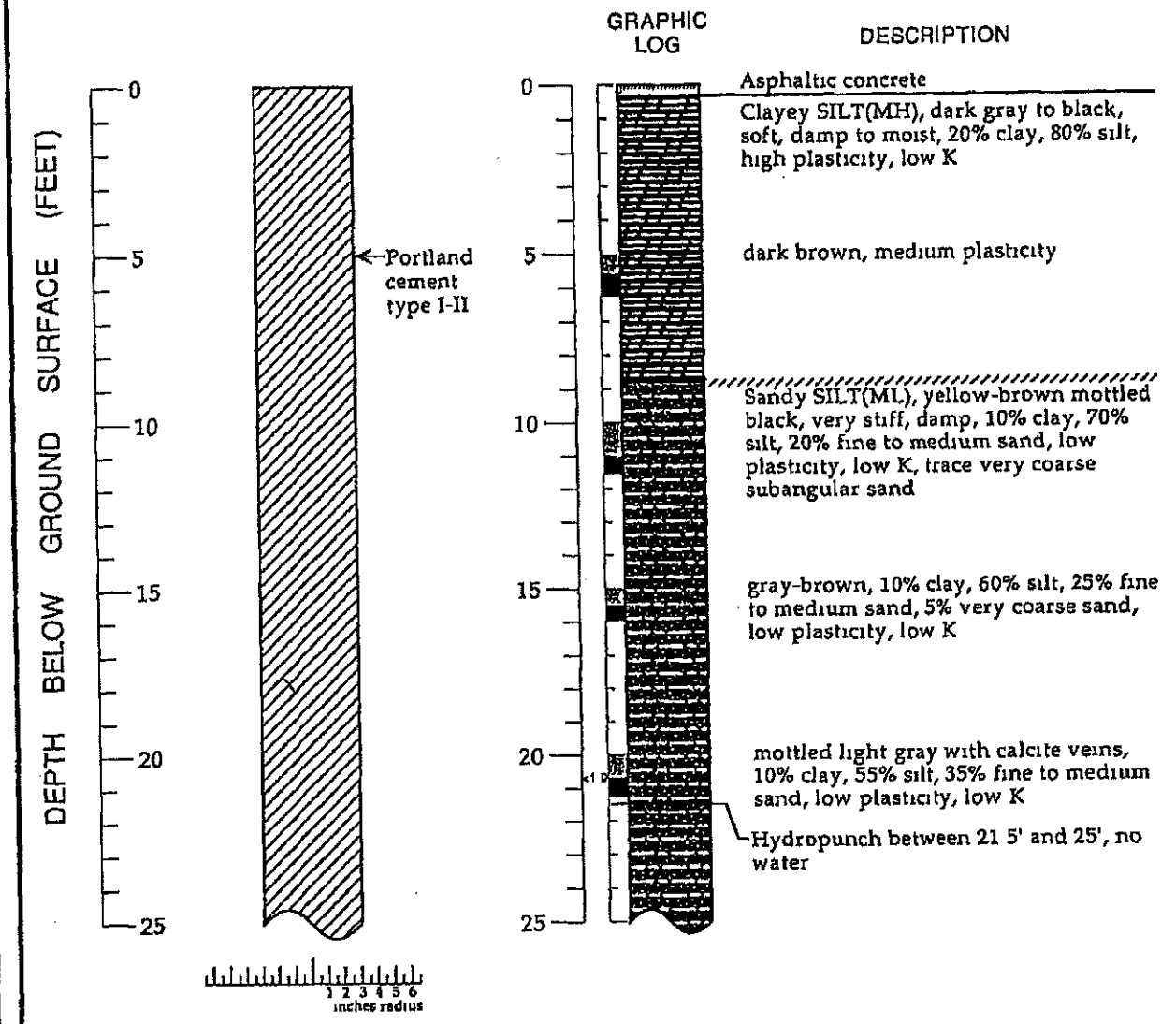
Logged By	Jonathan Weingast
Supervisor	James W Carmody, CEG 1576
Drilling Company	Gregg Drilling, Pacheco, CA
License Number	C57-485165
Driller	Mike Braman, Rich Nessinger
Drilling Method	Hollow-stem auger 6'
Date Drilled	June 6, 1994
Well Head Completion	N/A
Type of Sampler	Split spoon (2" ID)
TPH-G	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

8/15/94

S422 017 A1

SOIL BORING BH-4



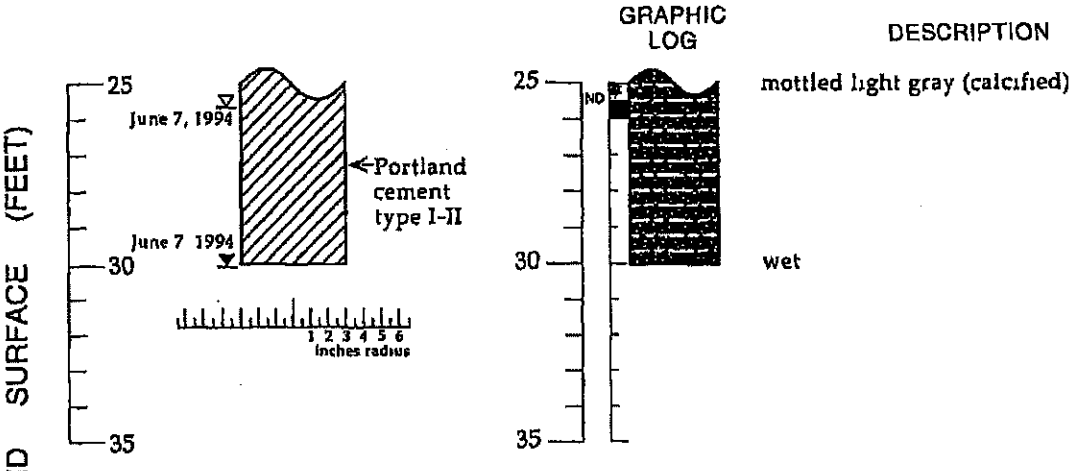
EXPLANATION

- 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

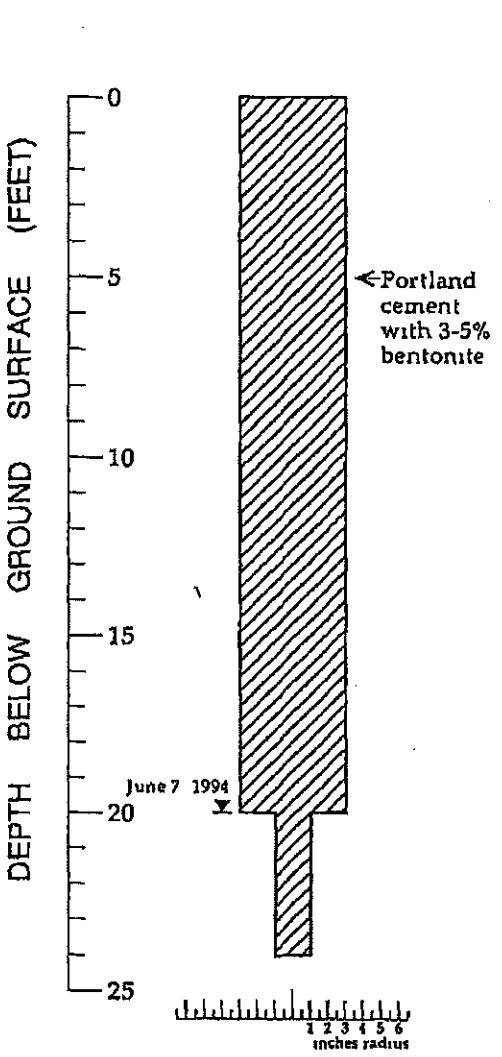
Boring Log Construction Details - BH-4 - Shell Service Station WIC# 204-6852-1404, 1784 150th Avenue, San Leandro, California

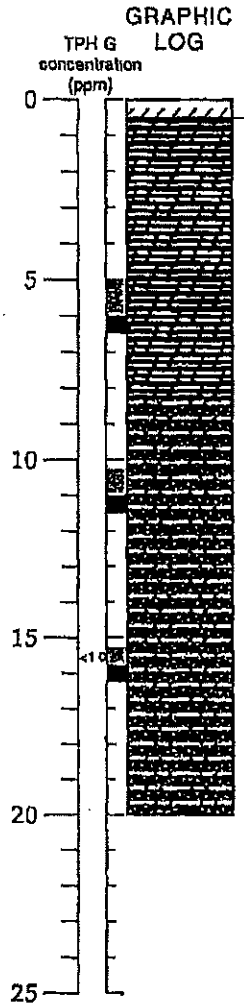
SOIL BORING BH-4 (cont.)



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

SOIL BORING BH-5





DESCRIPTION

Asphaltic concrete - 3'

Clayey SILT (MH), black, medium stiff, damp, 20% clay, 75% silt, 5% fine sand, medium to high plasticity, low K

25% clay, 70% silt, 5% sand, med plasticity

Sandy SILT (ML), yellow-brown, mottled black, medium stiff, damp, 15% clay, 60% silt, 25% fine to medium sand, low plasticity, low K

10% clay, 55% silt, 35% fine to medium sand, trace subangular gravel to 1/8 diameter, low K

Hydropunch between 20 and 24'

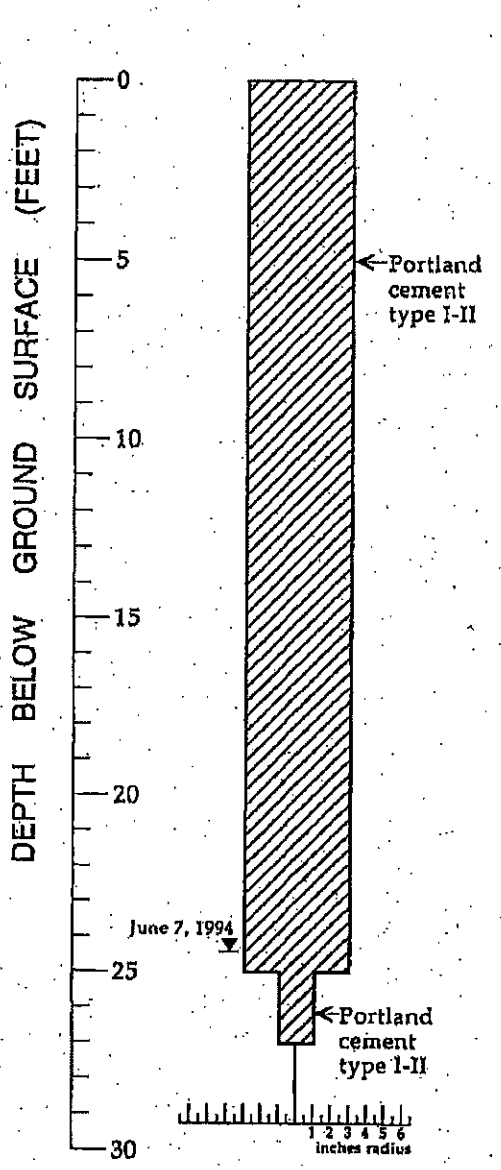
EXPLANATION

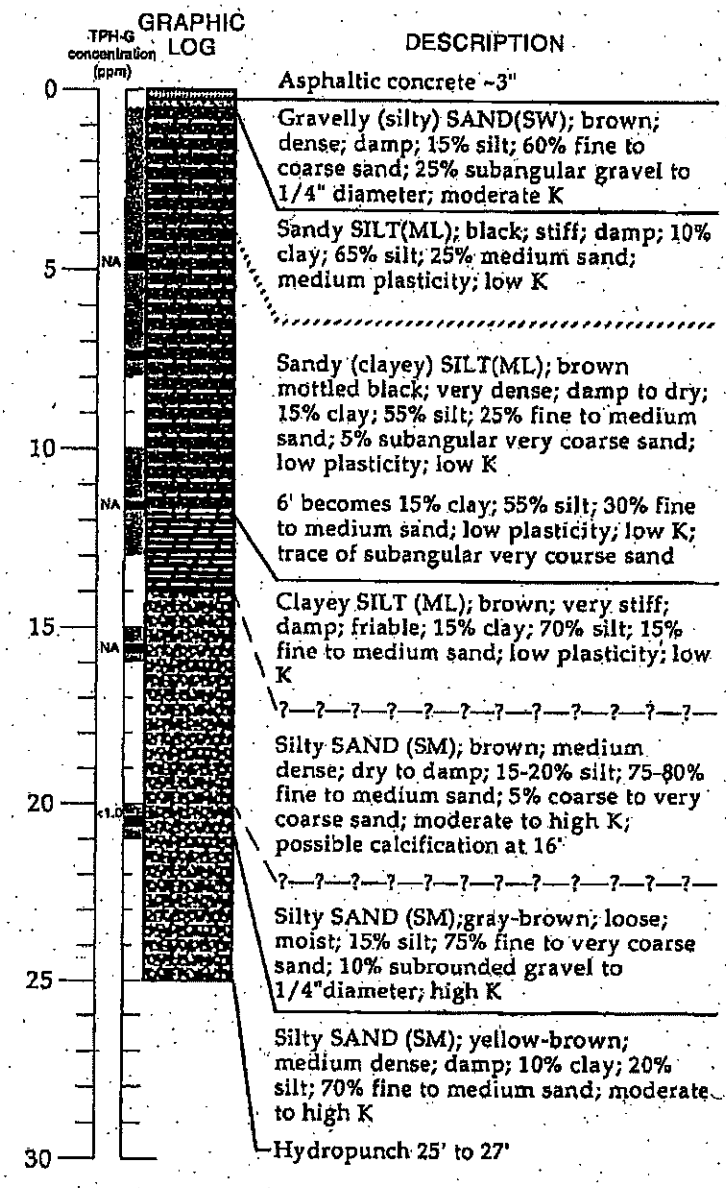
- ▼ Water level during drilling (date)
- ▽ Water level (date)
- —— Contact (dotted where approximate)
- —?—?— Uncertain contact
- ////////// Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By	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

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

BORING / WELL LOG

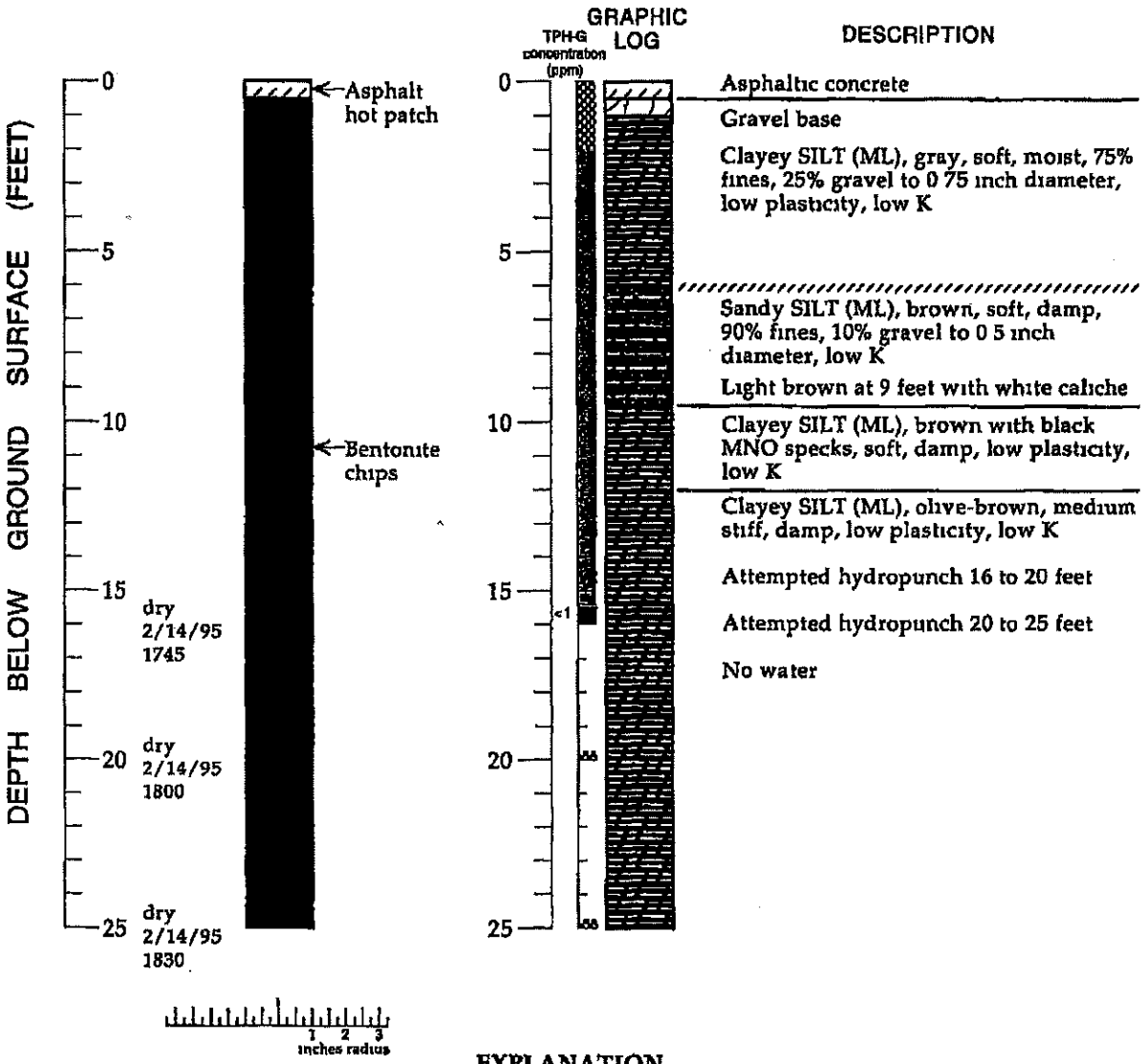
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	BH-7
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	14-Feb-95
LOCATION	San Leandro, California	DRILLING COMPLETED	14-Feb-95
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	40.00 ft above msl
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3"	SCREENED INTERVALS	NA
LOGGED BY	Thomas Howard	DEPTH TO WATER (First Encountered)	17.00 fbg (14-Mar-95)
REVIEWED BY	James W. Carmody; CEG 1576	DEPTH TO WATER (Static)	NA
REMARKS	Transcribed from original WA log		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt and Concrete.	0.6	
							Baserock/Gravel	1.0	
					ML		**Sandy, Clayey SILT**; (ML); Dark gray; medium stiff; damp; 80% fines, 20% very fine to medium Sand; low plasticity; low estimated hydraulic conductivity.		
				5				5.0	
					ML		**Clayey SILT** (ML); Dark gray; medium stiff; damp, 90% fines, 10% fine Sand; low plasticity; low estimated hydraulic conductivity.		
				10			Light brown at 10' with black specks and white caliche.		
								13.0	
					GM		**Silty Sandy GRAVEL**; (GM); Yellowish brown; medium dense; damp; 20% fines, 30% fine to coarse Sand, 50% sub-angular to sub-rounded Gravel to 0.5" diameter; moderate estimated hydraulic conductivity.	14.0	
					ML		**Clayey SILT**; (ML); Light brown; medium stiff; damp to dry; 90% fines, 10% fine Sand; low plasticity; low estimated hydraulic conductivity.	15.0	
				15			**Silty GRAVEL**; (GM); Light greenish brown; medium dense to very dense; dampto wet; moderate estimated hydraulic conductivity. Attempt hydropuch sample at 17 to 20 fbg; collect water sample. ▽		
					GM				
				20				20.0	

Continued Next Page

BH-8



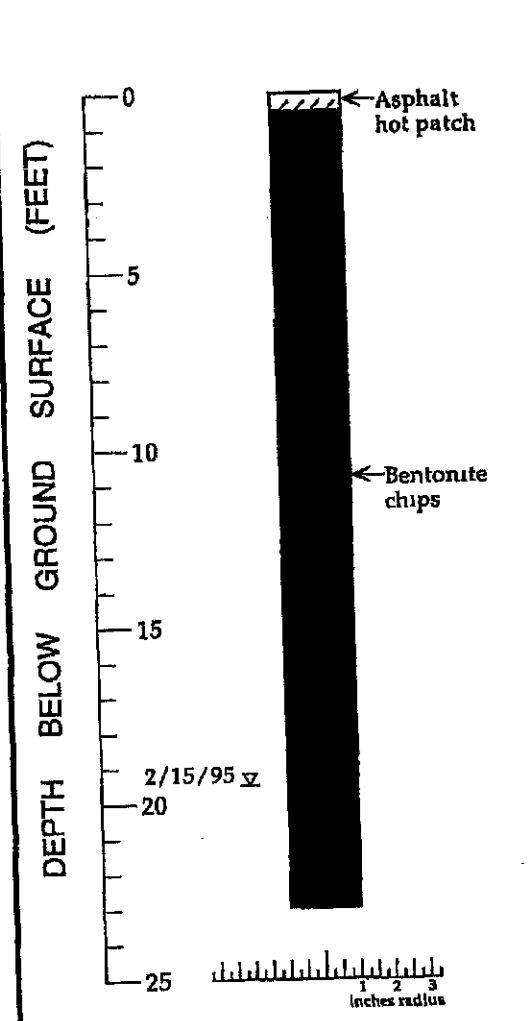
EXPLANATION

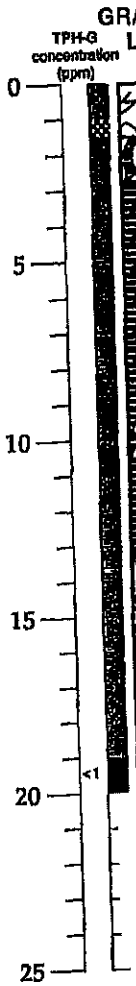
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

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

06/13/95

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Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone 510-420-0700
Fax 510-420-9170

BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (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	240612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	40 88 ft above msl
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	S Dalie	**DEPTH TO WATER (First Encountered)**	25 00 fbg ▽
REVIEWED BY	M Derby, PE# 55475	**DEPTH TO WATER (Static)**	13 3 fbg (23-Jun-03) ▼
REMARKS	Hand augered to 5' bgs		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	USCS	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0 5	
					CL		**Silty CLAY** (CL), black, stiff, dry, 80% clay, 20% silt low plasticity		
				5				5 0	
					ML		**Clayey SILT** (ML), black, soft, dry, % clay, % silt, low plasticity		
1		SB 10 10		10				10 5	
					CL		**CLAY** (CL), black stiff, dry, 100% clay, low plasticity		
0		SB 10 15 5		15					
				20			**Silty CLAY with Gravel** (CL), light olive brown, very stiff dry 65% clay, 10% silt, 5% sand, 15% gravel, low	19 0	

Continued Next Page

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone 510-420-0700
Fax 510-420-9170

BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (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

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	USCS	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		SB 10 20 5			CL		plasticity	21 5	Portland Type I/II Cement
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	6/23/2005 TPHg = <50 ppb benzene <1 1 ppb MTBE <0 50 ppb
1		SB 10 30		30	CL		**Silty CLAY with Gravel** (CL), olive brown, very stiff dry 60% clay, 30% silt, 10% gravel, low plasticity	36 0	
1		SB 10 35		35					
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 fbg

WELL LOG (PID) I:\SHELL\s CHARS\2405-240612-1124CBE8-1\SNL1784 GPJ DEFAULT GDT 6/10/09

BORING / WELL LOG

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CLIENT NAME	Shell Oil Products Company (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	240612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	45 38 ft above msl
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVALS	NA
LOGGED BY	S Dalie	DEPTH TO WATER (First Encountered)	28 00 fbg (24-Jun-03)
REVIEWED BY	M Derby, PE# 55475	DEPTH TO WATER (Static)	19 9 fbg
REMARKS	Hand augered to 5' bgs		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	USCS	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0 8	
							Baserock gravel	1 0	
							CLAY (CL), black stiff dry, 95% clay 5% silt, high plasticity		
				5					
							@ 8 fbg - **Silty CLAY** light gray, medium stiff, dry, 80% clay, 20% silt		
					CL				
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
								17 0	
							Clayey SILT with gravel (ML), olive gray with some greenish gray mottling, stiff, dry, 20% clay, 60% silt, 20% gravel low plasticity		
				20					

WELL LOG (PID) I:\SHELL\6-CHARS\2408--1240612--124CBE9--1SNL1784.GPJ DEFAULT GDT 6/10/09

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (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

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U S C S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		SB 11 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 fbg

WELL LOG (PID) I:\SHELL\6 CHARS\2406--1240612--1240CBE9--1\SNL1784.GPJ DEFAULT GDT 6/10/09

BORING / WELL LOG

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CLIENT NAME	Shell Oil Products Company (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	240612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	41 28 ft above msl
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	S Dalle	**DEPTH TO WATER (First Encountered)**	25 00 fbg (24-Jun-03)
REVIEWED BY	M Derby, PE# 55475	**DEPTH TO WATER (Static)**	10 8 fbg
REMARKS	Hand augered to 5' bgs		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	USCS	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0 5	
					ML		**Clayey SILT** (ML), black, medium stiff, dry, 45% clay, 55% silt low plasticity		
				5				6 5	
					CL		**CLAY** (CL), dark olive brown very stiff, dry, 95% clay, 5% gravel, high plasticity		
1		SB 12 10		10			@ 11 fbg - light olive gray 75% clay, 25% silt		
1		SB 12 15		15				16 0	
					GP GC		**Clayey GRAVEL** (GP-GC), light olive gray medium dense, damp, 20% clay, 10% silt, 15% sand, 50% gravel no plasticity		
				20					

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (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

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	USCS	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		SB 12 20							Portland Type I/II Cement
					ML		**Clayey SILT with sand** (ML), light olive gray, medium dense, damp, 30% clay 60% silt, 10% sand, low plasticity	21 0	
					CL		**Silty CLAY with Sand** (CL) light olive brown medium stiff, damp to moist, 60% clay, 30% silt 10% sand low plasticity	23 0	
0		SB 12 25		25	SC		**Clayey SAND** (SC), light olive gray, loose wet, 40% clay, 60% sand, 10% gravel, no plasticity ▽	25 0	6/24/2005 TPHg = <50 ppb benzene <0 50 ppb MTBE <0 50 ppb
								27 0	
0		SB 12 30		30	GW		**GRAVEL with sand** (GW), light olive gray, loose, wet, 30% sand, 70% gravel no plasticity		
0		SB 12 35		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 fbg

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CLIENT NAME	Shell Oil Products Company (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	240612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	41 18 ft above msl
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	S Dalie	**DEPTH TO WATER (First Encountered)**	24 00 fbg
REVIEWED BY	M Derby, PE# 55475	**DEPTH TO WATER (Static)**	NA (25-Jun-03)
REMARKS	Hand augered to 5' bgs		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	USCS	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0 5	
				5	CL		**Silty CLAY** (CL), black, very stiff, dry, 90% clay, 10% silt, high plasticity @ 6 5 fbg - 70% clay 30% silt		
1		SB 13 10		10					
1		SB 13 15		15	ML		**Clayey SILT with gravel** (ML) olive gray, very stiff, dry, 20% clay, 70% silt, 10 % sand, medium plasticity	13 5	
					CL		**Silty CLAY** (CL), light olive gray very stiff dry, 80% clay, 20% silt, high plasticity	16 5	
				20					

WELL LOG (PID) I:\SHELL\S CHARS\2406-240612-1124CBE8-1\SNL1784 GPJ DEFAULT GDT 6/10/09

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (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)	BLOW COUNTS	SAMPLE ID	DEPTH (fbg)	U S C S	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
1		SB 13 20				22 0	Portland Type I/II Cement
				GP GC	**Clayey GRAVEL** (GP-GC), olive gray, dense, damp 30% clay, 70% gravel, no plasticity	▽ 24 0	6/23/2005 TPHg = <50 ppb benzene <0 50 ppb MTBE <0 50 ppb
1		SB 13 24		SW	**SAND** (SW), olive brown dense, wet 20% sand 80% gravel, no plasticity	25 0	
1		SB 13 25	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	30 0	
0		SB 13 30	30	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 @ 34 fbg - medium dense 25% clay, 10% sand, 65% gravel		
0		SB 13 35	35			37 0	
				CL	**Silty CLAY with gravel** (CL), dark olive gray, very stiff damp to dry 80% clay, 15% silt, 5% gravel high plasticity	40 0	Bottom of Boring @ 40 fbg
1		SB 13 39 5	40				

WELL LOG (PID) I:\SHELL\6 CHARS\2406--\240612--\124CBE8--\SNL1784 GPJ DEFAULT GDT 6/10/09

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (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	248-0612-008	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	40.98 ft above msl
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	S. Dalle	**DEPTH TO WATER (First Encountered)**	25.0 ft (24-Jun-03) ▽
REVIEWED BY	M. Derby, PE# 55475	**DEPTH TO WATER (Static)**	7.85 ft ▼
REMARKS	Hand augered to 5' bgs.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	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	
					ML		**Gravelly SILT**(ML); light olive brown; stiff; dry; 75% silt, 25% gravel; medium plasticity.		
0		SB-14-15		15			@ 17 fbg - 90% silt, 10% gravel.		
								20.0	
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.	22.0	◄ Portland Type I/II Cement
					SC		**Clayey SAND**(SW); light olive gray; medium dense; wet; 30% clay, 70% sand; no plasticity.	24.0	
0		SB-14-24							
0		SB-14-25		25	GW		**GRAVEL**(GW); light olive; very dense; wet; 20% sand, 80% gravel; no plasticity. ▽	26.0	6/24/2005 TPHg = <67,000 ppb, benzene <100 ppb, MTBE <100 ppb
					ML		**Gravelly SILT with sand**(ML); light olive gray; medium dense; wet; 75% silt, 25% gravel; no plasticity.		
1		SB-14-30		30	GW		**GRAVEL with sand**(GW); light olive gray; loose; wet; 25% sand, 75% gravel; no plasticity.	30.0	
								34.0	
				35			**Clayey GRAVEL**(GC); light olive gray; very stiff; wet;		

WELL LOG (PID) K:\SANLEA-2\GINT\SNL1784.GPJ DEFAULT.GDT 11/3/08

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BORING/WELL LOG

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

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	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
				45					
				50					
				55					
				60					
				65					
				70					
				75					

WELL LOG (PID) K:\SANLEA~2\GINTS\NL1784.GPJ DEFAULT.GDT 11/3/06

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SB-15
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	26-Jun-03
LOCATION	San Leandro, California	**DRILLING COMPLETED**	26-Jun-03
PROJECT NUMBER	248-0612-008	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	47.00 ft above msl
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	25.0 ft (26-Jun-03) ▽
REVIEWED BY	M. Derby, PE# 55475	**DEPTH TO WATER (Static)**	24.00 ft ▼
REMARKS	Hand augered to 5' bgs.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	
2.5				5	CL		**Silty CLAY**(CL); black; soft; dry; 55% clay, 45% silt; high plasticity.		
1		SB-15-10		10	ML		**Clayey SILT**(ML); black; soft; dry; 45% clay, 55% silt; high plasticity.	10.0	
							Silty CLAY with gravel(CL); black; very stiff; dry; 50% clay, 40% silt, 10% gravel; high plasticity.	11.0	
0		SB-15-15		15	CL		@ 14 fbg - gray; 60% clay, 40% silt.		
							SILT (ML); olive gray; very stiff; dry; 15% clay; 85% silt; medium placticity.	16.5	Portland Type I/II Cement
10		SB-15-20		20					
					GW		**GRAVEL**(GW); olive gray; loose; dry; 20% sand, 80% gravel; no plasticity.	21.0	
9		SB-15-22.5					**Clayey GRAVEL**(GP-GC); olive gray; dense; damp; 30% clay, 70% gravel; medium plasticity. ▽ ▼	23.0	
25		SB-15-25		25	GP GC		@ 25 fbtg - wet.		
21		SB-15-30		30	SM		**Silty SAND**(SM); olive gray; medium dense; wet; 10% clay, 20% silt, 70% sand; low plasticity.	30.0	
							@ 32 fbg - 10% clay, 25% silt, 55% sand, 10% gravel.		
				35			**CLAY with gravel**(CL); olive brown; very stiff; damp;	34.0	

WELL LOG (PID) K:\SANLEA~2\GINTS\NL1784.GPJ DEFAULT.GDT 11/3/06

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SB-16
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	23-Jun-03
LOCATION	San Leandro, California	**DRILLING COMPLETED**	23-Jun-03
PROJECT NUMBER	240612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	40 70 ft above msl
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	S Dalie	**DEPTH TO WATER (First Encountered)**	24 00 fbg ▽
REVIEWED BY	M Derby, PE# 55475	**DEPTH TO WATER (Static)**	14 2 fbg (23-Jun-03) ▼
REMARKS	Hand augered to 5' bgs		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	USCS	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0 5	
					CL		**Silty CLAY** (CL), black, soft, dry, 55% clay, 45% silt, high plasticity		
				5					
								8 0	
0		SB 16 10		10	ML		**Clayey SILT** (ML),olive gray, medium stiff, dry 35% clay, 65% silt, high plasticity		
								14 0 ▼	
1		SB 16 15		15			**Silty CLAY** (CL), dark olive gray, very stiff dry 80% clay 20% silt, high plasticity		
					CL				
				20					

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SB-16
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	23-Jun-03
LOCATION	San Leandro, California	**DRILLING COMPLETED**	23-Jun-03

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	USCS	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
1		SB 16 20					@ 20 fbg - 70% clay, 20% silt 10% gravel		Portland Type I/II Cement
								▽ 24 0	
0		SB 16 24			GP GC		**Clayey GRAVEL** (GP-GC) light olive brown, medium dense, wet 30% clay, 10% sand, 60% gravel, medium plasticity		6/23/2005 TPHg = <50 ppb benzene <0 67 ppb MTBE <1 0 ppb
0		SB 16 25		25				25 5	
					GW		**GRAVEL** (GW), light olive brown dense wet, 20% sand, 80% gravel no plasticity	26 5	
					CL		**Silty CLAY** (CL), light olive brown, very stiff, damp, 80% clay, 20% silt, high plasticity	28 0	
0		SB 16 28			GP GC		**Clayey GRAVEL** (GP-GC), light olive brown, loose, wet 5% clay, 15% sand 80% gravel low plasticity	29 5	
1		SB 16 30		30	ML		**Clayey SILT** (ML) dark olive brown, medium stiff damp, 10% clay 90% silt high plasticity	33 0	
							GRAVEL (GW) dark olive gray, loose wet, 20% sand 80% gravel, no plasticity	36 0	
1		SB 16 35		35	GP GC		**Clayey GRAVEL** (GP-GC) dark olive gray, medium stiff, wet, 40% clay, 20% sand, 40% gravel low plasticity		
0		SB 16 39 5		40				40 0	Bottom of Boring @ 40 fbg

WELL LOG (PID) I:\SHELL\16 CHARS\2406-1\2406\2-124CBE6-1\SNL1784 GPJ DEFAULT GDT 6/10/09

BORING / WELL LOG

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CLIENT NAME	Shell Oil Products Company (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	240612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVALS	NA
LOGGED BY	S Dalle	DEPTH TO WATER (First Encountered)	34 00 fbg (13-Sep-04)
REVIEWED BY	M Derby, PE# 55475	DEPTH TO WATER (Static)	28 5 fbg (13-Sep-04)
REMARKS	Hand augered to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	USCS	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	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	
					CL		**Silty CLAY** (CL), Black, very stiff, dry, 85% clay, 15% silt, low to medium plasticity		
		SB 17 5		5					
0		SB 17 10		10					
					ML		**Sandy SILT** (ML), Olive brown dense, dry, 5% clay, 70% silt, 25% sand, no plasticity	13 5	
0		SB 17 15		15				15 5	
					SM		**Silty SAND with Gravel**, (SM), Olive brown, very dense, dry 25% silt, 60% sand 15% gravel no plasticity	18 0	Portland Type I/II Cement
							Silty CLAY with gravel (CL) Dark olive brown, very stiff dry 70% clay, 20% silt, 10% gravel, no plasticity		
				20					

WELL LOG (PID) I:\SHELL\6 CHARS\2406--\240612--\124CBE8--1\SNL1784 GPJ DEFAULT GDT 6/10/09

Continued Next Page

BORING / WELL LOG

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CLIENT NAME	Shell Oil Products Company (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

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	USCS	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		SB 17 20			CL				
							Clayey SILT (ML), Brownish gray very stiff, dry, 60% clay, 30% silt, 10% gravel low plasticity	24 0	
0		SB 17 25		25	ML				
							No recovery	28 0	
				30					
							Clayey Gravel with sand (GC), brownish gray, medium dense, wet 25% clay, 15% sand, 70% gravel, no plasticity	32 0	
					GC				
0		SB 17 35 5		35				36 0	Bottom of Boring @ 36 fbg

WELL LOG (PID) I:\SHELL\S CHARS\2406--1240612--1240BE8-1\SNL1784 GPJ DEFAULT GDT 6/10/09

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (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	240612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	S Dalie	**DEPTH TO WATER (First Encountered)**	32 00 fbg (13-Sep-04)
REVIEWED BY	M Derby, PE# 55475	**DEPTH TO WATER (Static)**	27 6 fbg (13-Sep-04)
REMARKS	Hand augered to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	USCS	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0 6	
					GM		**Silty GRAVEL** (GM), Yellowish brown, medium dense dry 25% silt, 75% gravel	3 0	
		SB 18 5		5			**Silty CLAY**, (CL), Black very stiff dry, 85% clay, 15% silt, low plasticity		
0		SB 18 10		10	CL				
0		SB 18 15		15				15 0	
					SM		**Silty SAND with Gravel** (SM), Olive brown very dense, dry, 25% silt, 60% sand, 15% gravel, no plasticity		Portland Type I/II Cement
				20					

WELL LOG (PID) I:\SHELL\6 CHARS\2406--240612--124CBE8--1\SNL1784.GPJ DEFAULT GDT 6/19/09

Continued Next Page

Conestoga-Rovers & Associates
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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (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

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	USCS	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		SB 18 20							
					SW		**Well graded SAND** (SW), Olive medium dense damp 5% clay, 90% sand, no platicity	22 7	
								24 0	
							No Recovery		
0		SB 18 25		25					
								28 0	
					CL		**Silty CLAY**, (CL), Olive brown very stiff dry 60% clay, 40% silt, low platicity		
0		SB 18 30		30				30 3	
							Clayey Gravel with sand (GC) brownish gray, medium dense, wet, 35% clay, 15% sand, 50% gravel, no plasticity		
								32 0	Bottom of Boring @ 32 fbg

WELL LOG (PID) I:\SHELL\S CHARS\2406-2406\12-1124CBEB-1\SNL1784.GPJ DEFAULT.GDT 6/10/09

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Fax: 707-935-6649

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SB-19
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	23-May-06
LOCATION	San Leandro, California	**DRILLING COMPLETED**	24-May-06
PROJECT NUMBER	248-0612-008	**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	3.25"	**SCREENED INTERVAL**	NA
LOGGED BY	B. DeBoer	**DEPTH TO WATER (First Encountered)**	28.0 ft (24-May-06) ▽
REVIEWED BY	A. Cool	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5' bgs.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.8	
					GW		**Well Graded GRAVEL with sand**[GW]; 10YR 3/3, brown; dry; 30% sand, 70% gravel.	3.0	
					SM		**Silty SAND with GRAVEL**[SM]; 10YR 4/4, dark yellowish brown; dry; 10% clay, 30% silt, 35% medium sand, 25% fine gravel.	4.0	
0		SB-19-5		5			**Gravelly SILT with sand**[ML]; 10YR 4/4, dark yellowish brown; dry; 20% clay, 50% silt, 15% medium sand, 15% fine gravel.	6.0	
							SILT [ML]; 10YR 4/2, dark grayish brown; dry; 25% clay, 70% silt, 5% medium sand; medium plasticity.		
0		SB-19-10		10				12.0	
							SILT [ML]; 10YR 4/2, dark grayish brown; dry; 15% clay, 75% silt, 10% medium sand; medium plasticity.		
18		SB-19-15		15	ML		**SILT with sand**[ML]; GLEY1 4/5G, dark greenish gray; dry; 10% clay, 70 % silt, 20% medium sand; medium plasticity.	15.0	Portland Type I/II
2		SB-19-19.5		20					
							SILT with sand[ML]; GLEY1 4/5G, dark greenish gray; moist; 60% silt, 40% medium sand; medium plasticity.	24.0	
33		SB-19-25		25			**SILT with sand**[ML]; GLEY1 4/5G, dark greenish gray; moist; 80% silt, 20% medium sand; medium plasticity.	26.0	
							▽	28.0	
86		SB-19-28.5			SM		**Silty SAND**[SM]; 10YR 4/3, brown; wet; 15% silt, 75% coarse sand, 10% fine gravel.	28.8	
				30	ML		**SILT with sand**[ML]; GLEY1 4/5G, dark greenish gray; moist; 80% silt, 20% medium sand; medium plasticity.	30.0	Bottom of Boring @ 30 ft
				35					

WELL LOG (PID) K:\SANLEA~2\GINT\SNL1784.GPJ DEFAULT.GDT 11/3/06

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SB-20
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	23-May-06
LOCATION	San Leandro, California	**DRILLING COMPLETED**	25-May-06
PROJECT NUMBER	248-0612-008	**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	3.25"	**SCREENED INTERVAL**	NA
LOGGED BY	B. DeBoer	**DEPTH TO WATER (First Encountered)**	23.0 ft (25-May-06) ▽
REVIEWED BY	A. Cool	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	
							SILT [ML]; 10YR 2/1, black; dry; 10% clay, 80% silt, 10% fine sand; medium plasticity.		
45		SB-20-5		5	ML				
22		SB-20-10		10			**SILT** [ML]; 10YR 2/1, black; dry; 15% clay, 75% silt, 5% fine sand, 5% fine gravel; medium plasticity.		
							Sandy SILT [ML]; GLEY1 5/5G, greenish gray; dry; 70% silt, 30% fine sand; low plasticity.	13.0	
				15					Portland Type I/II
20		SB-20-16.5			SM		**Silty SAND with gravel** [SM]; 10YR 2/1, black; moist; 20% silt, 65% coarse sand, 15% fine gravel.	17.0	
							Sandy SILT [ML]; GLEY1 5/5G, greenish gray; dry; 70% silt, 30% fine sand; low plasticity.	18.0	
				20	ML				
								▽ 23.0	
108		SB-20-23.5		25	SP SM		**Poorly-graded SAND with silt** [SP-SM]; GLEY1 5/5G, greenish gray; wet; 10% silt, 80% fine sand; 10% fine gravel; low plasticity.		
							CLAY [CL]; GLEY1 5/5GY, greenish gray; dry; 70% clay, 30% silt; high plasticity.	27.0	
					CL				
				30				30.0	
				35					Bottom of Boring @ 30 ft

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SB-21
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	23-May-06
LOCATION	San Leandro, California	**DRILLING COMPLETED**	24-May-06
PROJECT NUMBER	248-0612-008	**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	3.25"	**SCREENED INTERVAL**	NA
LOGGED BY	B. DeBoer	**DEPTH TO WATER (First Encountered)**	27.0 ft (24-May-06)
REVIEWED BY	A. Cool	**DEPTH TO WATER (Static)**	NA
REMARKS	Had augered to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Concrete	0.3	Portland Type I/II
21		SB-21-5		5			**SILT** [ML]; 10YR 2/1, black; dry; 10% clay, 80% silt, 10% fine sand; medium plasticity.		
16		SB-21-10		10	ML		**SILT** [ML]; 10YR 2/1, black; dry; 15% clay, 75% silt, 10% fine sand, 10% fine gravel; medium plasticity.	10.0	
							Sandy SILT[ML]; GLEY1 5/5G, greenish gray; dry; 70% silt, 30% fine sand; low plasticity.	13.0	
10		SB-21-15		15					
27		SB-21-20		20					
							Silty SAND[SM]; GLEY1 5/5G, greenish gray; moist; 20% silt, 80% fine sand; medium plasticity.	22.0	
				25	SM				
124		SB-21-27.5					**Silty SAND**[SM]; GLEY1 5/5G, greenish gray; wet; 15% silt, 75% fine sand, 10% fine gravel.	28.0	Bottom of Boring @ 28 ft
				30					
				35					

WELL LOG (PID) K:\SANLEA~2\GINTS\NL1784.GPJ DEFAULT.GDT 11/3/06

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SB-22
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	23-May-06
LOCATION	San Leandro, California	**DRILLING COMPLETED**	25-May-06
PROJECT NUMBER	248-0612-008	**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	3.25"	**SCREENED INTERVAL**	NA
LOGGED BY	B. DeBoer	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	A. Cool	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5' bgs.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.8	
					GW		**Well Graded GRAVEL with sand** [GW]; 10YR 4/3, brown; dry; 30% sand, 70% fine gravel.	3.0	
					SM		**Silty SAND with GRAVEL** [SM]; 10YR 4/4, dark yellowish brown; dry; 10% clay, 30% silt, 35% medium sand, 25% fine gravel.	5.0	
0		SB-22-5		5			**Gravelly SILT with sand** [ML]; 10YR 4/4, dark yellowish brown; dry; 20% clay, 50% silt, 15% medium sand, 15% fine gravel.	7.0	
							SILT [ML]; 10YR 4/2, dark grayish brown; dry; 25% clay, 70% silt, 5% medium sand; medium plasticity.		
0		SB-22-10		10				12.0	
							SILT [ML]; 10YR 4/2, dark grayish brown; dry; 15% clay, 75% silt, 10% medium sand; medium plasticity.		Portland Type I/II
0		SB-22-15		15	ML				
								20.0	
0		SB-22-20		20			**SILT with sand** [ML]; GLEY1 4/5G, dark greenish gray; dry; 10% clay, 70 % silt, 20% medium sand; medium plasticity.		
								24.0	
0		SB-22-25		25			**SILT** [ML]; 10YR 5/3, brown; dry; 25% clay, 70% silt, 5% fine sand; medium plasticity.		
0		SB-22-29.5		30				30.0	Bottom of Boring @ 30 ft
				35					

WELL LOG (PID) KISANLEA-2GINTSNL1784.GPJ DEFAULT.GDT 10/26/06

BORING / WELL LOG

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CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	SB-23
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	23-May-06
LOCATION	San Leandro, California	DRILLING COMPLETED	24-May-06
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3 25"	SCREENED INTERVALS	15 50 fbg
LOGGED BY	B DeBoer	DEPTH TO WATER (First Encountered)	(24-May-06)
REVIEWED BY	A Cool	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	USCS	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0 5	
							SILT with sand [ML], 10YR 4/3, brown, dry 15% clay, 60% silt, 20% fine sand, 5% fine gravel, low plasticity		
74		SB 23 5		5				7 0	
					ML		SILT [ML] 10YR 3/1, very dark gray, dry 10% clay 80% silt 10% fine sand, medium plasticity	9 0	
							Sandy SILT with gravel [ML] 10YR 2/1, black moist, 45% silt, 35% fine sand 20% fine gravel	10 0	
98		SB 23 10		10			SILT [ML], 10YR 2/1, black, dry, 10% clay, 80% silt, 10% fine sand, medium plasticity		
								15 0	Portland Type I/II
58		SB 23 15		15	GM		Silty GRAVEL with sand [GM], 10YR 3/1, very dark gray wet, 35% silt, 25% coarse sand, 40% fine gravel	17 0	
					SP SM		Poorly-graded SAND with silt [SP-SM] 10YR 5/4, yellowish brown, moist, 10% silt, 90% fine sand	19 0	
					SM		Silty SAND [SM] 10YR 5/4, yellowish brown dry, 20% silt, 80% fine sand	20 0	
				20					

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SB-23
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	23-May-06
LOCATION	San Leandro, California	**DRILLING COMPLETED**	24-May-06

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U S C S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
13		SB 23 20			ML		**SILT** [ML] 10YR 4/3, brown, dry, 10% clay, 80% silt, 10% fine sand, medium plasticity	24 0	
82		SB 23 25		25	SM		**Silty SAND** [SM], 10YR 5/4, yellowish brown, dry, 20% silt 80% fine sand	26 0	
204		SB 23 29 5		30	ML		**SILT** [ML], 10YR 2/1, black dry 10% clay, 80% silt, 10% fine sand medium plasticity	30 0	Bottom of Boring @ 30 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	B-1
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	14-Sep-07
LOCATION	San Leandro, California	**DRILLING COMPLETED**	14-Sep-07
PROJECT NUMBER	240612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2	**SCREENED INTERVALS**	NA
LOGGED BY	L Goldfinch	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	A Friel, PG 6452	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand augered to 5' bgs on 8/28/2007 Located between dispensers & station building		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	USCS	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							CONCRETE	0 5	
					SM		**Silty SAND with Gravel (SM)**, reddish brown (2 5Y 5/4) dry to moist, 15% silt, 60% fine to coarse sand, 25% fine gravel	3 0	
					ML		**SILT (ML)** very dark grayish brown (10YR 3/2), moist, 25% clay, 70% silt, 5% fine to coarse sand, medium plasticity	5 0	
486		B 1 5		5	ML		**Gravelly SILT with Sand (ML)** black (2 5Y 2 5/1), wet, 25% clay, 40% silt 15% fine sand, 20% fine to medium gravel low plasticity	9 0	
78		B 1 10		10	ML		**SILT (ML)**, black (2 5Y 2 5/1), moist 30% clay, 65% silt 5% fine sand medium plasticity	12 0	
108 5		B 1 15		15	ML		**SILT with Gravel (ML)**, dark gray (2 5Y 4/1), 30% clay, 55% silt, 5% fine sand, 10% fine to medium gravel	16 0	Portland Type I/II
83 3					ML		**Gravelly SILT with Sand (ML)**, dark gray (2 5Y 4/1) moist, 10% clay, 35% silt, 25% fine to coarse sand 30% fine to medium gravel, low plasticity	17 0	
865		B 1 17			ML		**SILT (ML)** olive gray (5Y 4/2), dry to moist, 5% clay, 90% silt, 5% fine sand @18' - moist 30% clay, 65% silt, 5% fine sand medium plasticity	19 0	
				20	ML		**SILT with Sand (ML)**, olive gray (5Y 5/2) wet 15% clay, 65% silt, 20% fine to medium sand low plasticity	20 0	

Continued Next Page

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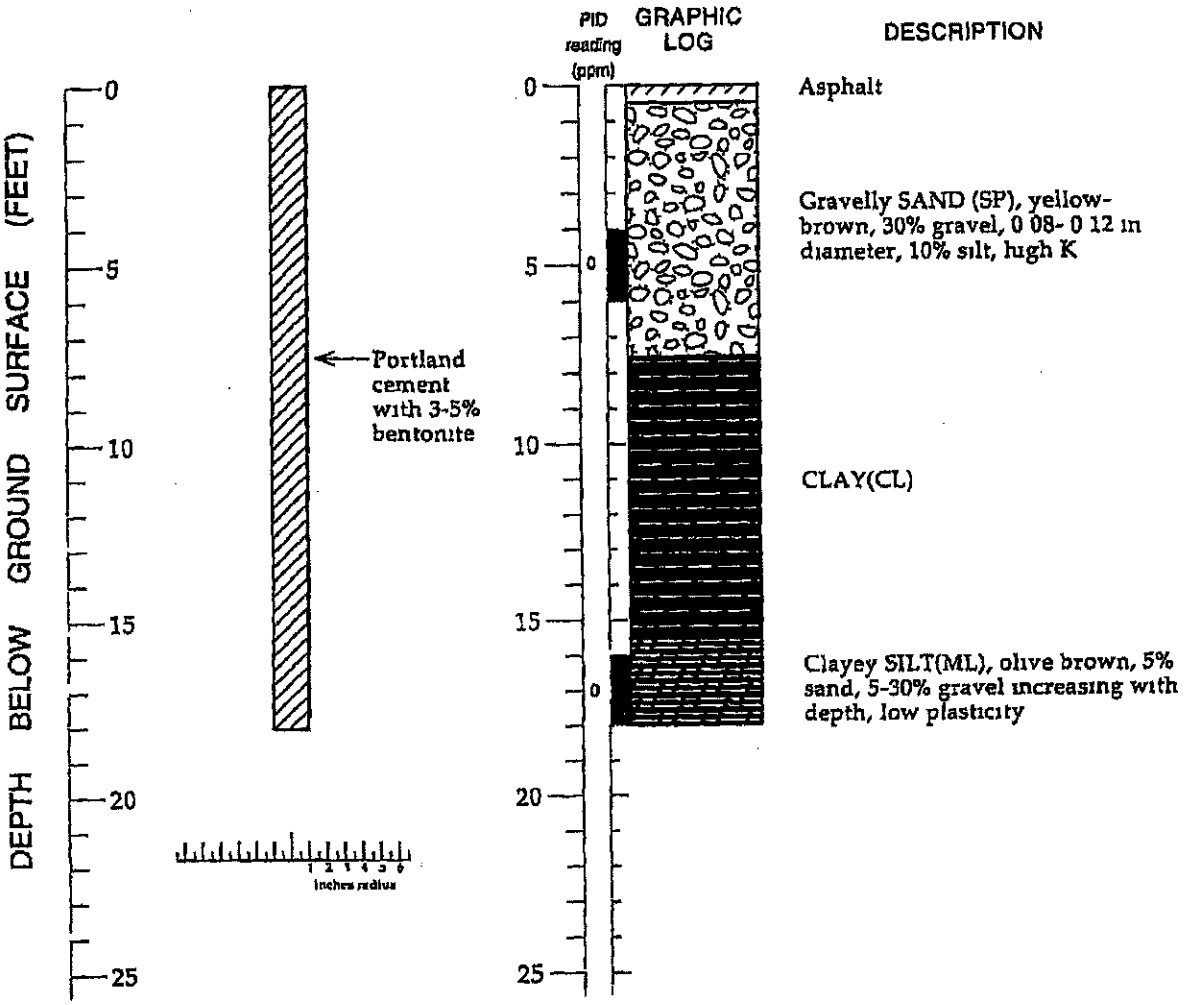
BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	B-1
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	14-Sep-07
LOCATION	San Leandro, California	**DRILLING COMPLETED**	14-Sep-07

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	USCS	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
9 289		B 1 2 0			ML		**Sandy SILT with Gravel (ML)** olive gray (5Y 4/2) dry to moist 65% silt, 20% fine to coarse sand, 15% fine gravel		
1 342							@ 21' - moist, 50% silt, 35% fine to coarse sand, 15% fine gravel	22 0	
5 172					ML		**SILT (ML)**, dry, 5% clay, 85% silt, 10% fine sand	24 0	
167 1		B 1 2 5		25	ML		**SILT with Sand (ML)**, dark gray (2 5Y 4/1), moist to wet, 20% clay, 60% silt 15% fine to medium sand, 5% fine gravel		
6 783							@ 27' - olive gray (5Y 5/2) dry, 5% clay, 75% silt, 10% fine to coarse sand, 10% fine gravel		
							@ 28' - dark gray (5Y 4/1), moist to wet 20% clay, 55% silt, 15% fine to coarse sand, 10% fine gravel	29 0	
7 234		B 1 2 9 5		30	ML		**SILT (ML)**, grayish brown (2 5Y 5/2), dry, 20% clay, 75% silt, 5% fine sand	30 0	Bottom of Boring @ 30 fbg

LITHOLOGIC LOG SVS-3



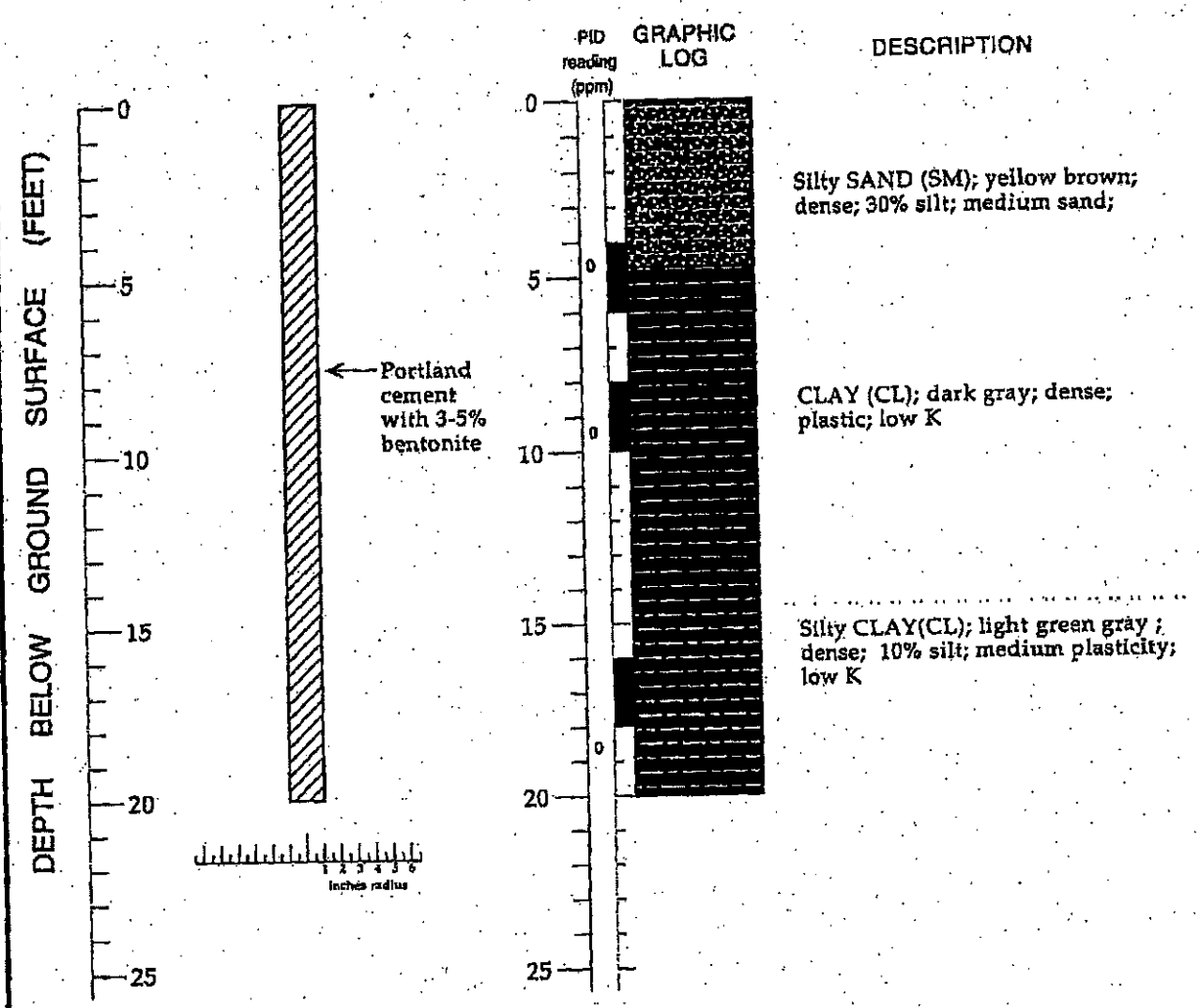
EXPLANATION

- 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

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

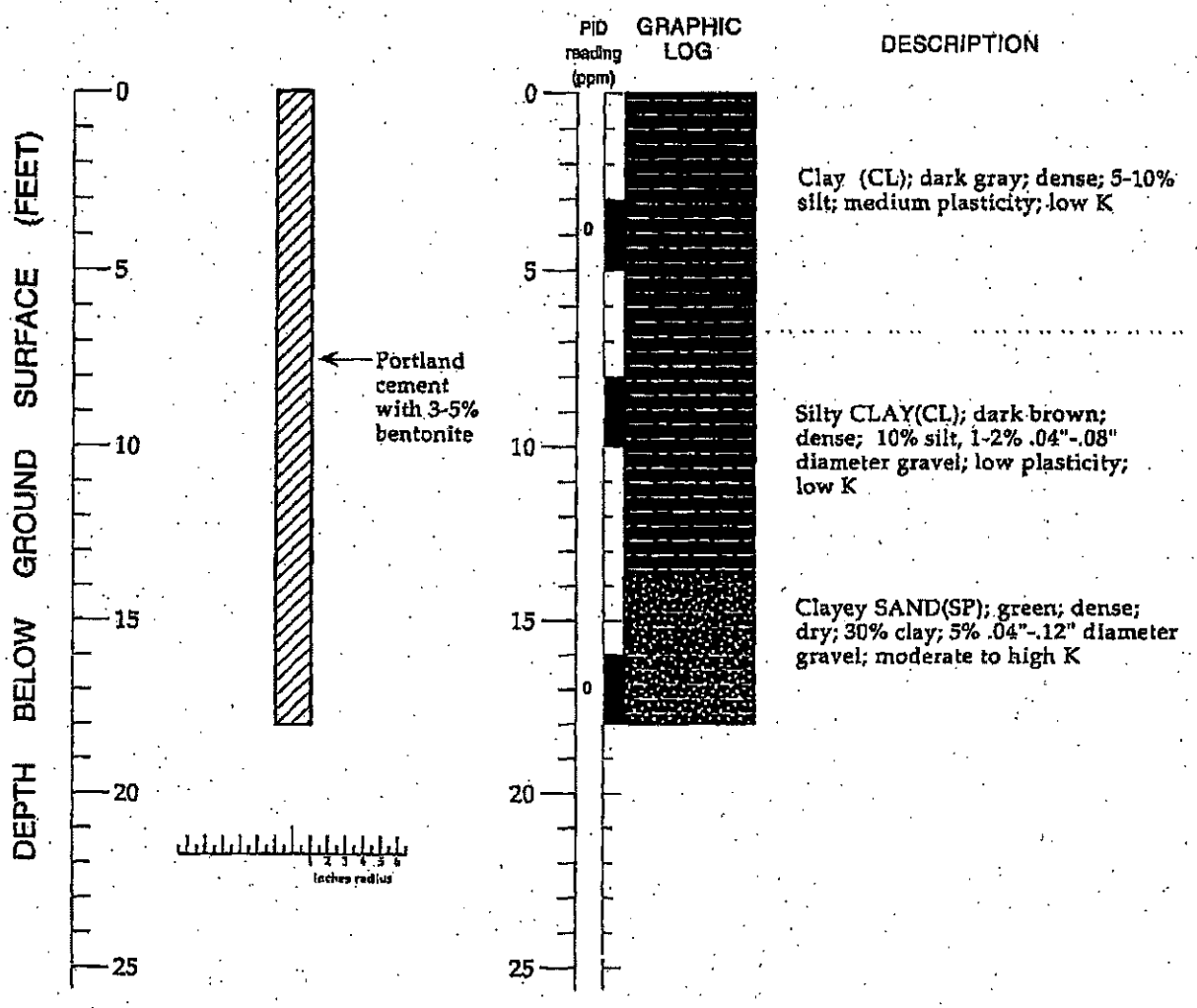
Logged By: Chuck Headlee
Supervisor: Jim Carmody, CEG 1576
Drilling Company: Interphase Inc.
License Number: C57-606481
Driller: Rick Nessinger
Drilling Method: Geoprobe
Date Drilled: August 18, 1996
Type of Sampler: Geoprobe Sampler
PID: Photoionization detector

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

11/15/96

s422-02.ai

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

BORING/WELL LOG

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CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	SVS-11
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	10-Nov-98
LOCATION	San Leandro, California	DRILLING COMPLETED	10-Nov-98
PROJECT NUMBER	248-0612-008	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	44.78 ft above msl
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.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.4	
							FILL: Road base.	3.0	
					CL		**Silty CLAY** (CL); Dark brown; dry; 75% clay, 25% silt; low plasticity; low estimated permeability.	5.0	
				5	SP		**SAND** (SAND); Light-brown; dry; 10% silt, 80% sand, 10% gravel; high permeability.	5.5	
		SVS-11 @5.5			CL		**CLAY** (CL); black; dry; 90% clay, 5% silt, 5% sand; medium plasiticity; low permeability.		Portland Type I/II
0		SVS-11 @9.5		10				11.0	
					CL		**Silty CLAY** (CL); grey-green; dry; 60% clay, 30% silty , 10% sand; low plasiticity; low permeability.	15.0	
		SVS-11 @15.0		15	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	
		SVS-11 @19.5		20					Bottom of Boring @ 19.5 ft
				25					
				30					
				35					

WELL LOG (PID) K:\SANLEA~2\GINTS\ML1784.GPJ DEFAULT.GDT 11/3/06

Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, CA 95476
Telephone: 707-935-4850
Fax: 707-935-6649

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SVS-14
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	11-Nov-98
LOCATION	San Leandro, California	**DRILLING COMPLETED**	11-Nov-98
PROJECT NUMBER	248-0612-008	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	41.76 ft above msl
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.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							FILL; sand, gravel.	3.0	
				5			**CLAY**; (CL); black; soft; dry; 90% clay, 10% silt; high plasiticity; low estimated permeability. @ 4' - medium-high plasiticity.		
		SVS-14 @5.0			CL		@ 8' - black-brown; medium-hard; 80 % clay, 20% silt, medium plasiticity; low estimated permeability		
		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	
		SVS-14 @15.0		15			**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.		
		SVS-14 @19.0		20	CL			20.0	Bottom of Boring @ 20 ft
				25					
				30					
				35					

ELL LOG (PID) K:\SAN\EA-2\GINT\SNL1784.GPJ DEFAULT.GDT 11/3/06

BORING / WELL LOG

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CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	SVS-15
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	11-Nov-98
LOCATION	San Leandro, California	DRILLING COMPLETED	11-Nov-98
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	41 76 ft above msl
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVALS	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		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	USCS	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	1 0	
							Silty CLAY (CL) black @ 5' black- brown, soft, dry, 80% clay, 20% silt, medium plasiticty, low estimated permeability		
		svs 1 5 @4 5		5	CL				
							@ 9' - grey-green, medium-hard low plasiticity, 70% clay, 30% silt		
		svs 1 5 @10		10					Portland Type I/II
							Silty Sandy CLAY, (CL), grey-brown medium-hard, dry, 60% clay, 20% silt, 20% sand, low plasiticity, low estimated permeability	11 0	
					CL		@ 13' - grey-brown, 60% clay, 20% silt, 15% sand 5% gravel, medium plasiticity		
		svs 1 5 @15		15				15 0	
							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		
		svs 1 5		20					

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SVS-15
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	11-Nov-98
LOCATION	San Leandro, California	**DRILLING COMPLETED**	11-Nov-98

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U S C S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
		@19 5						20 5	Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\SHELL\6 CHARS\2406-1240612-1124CBE8-1\SNL1784.GPJ DEFAULT GDT 6/10/09

BORING / WELL LOG

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CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SVS-16
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	11-Nov-98
LOCATION	San Leandro, California	**DRILLING COMPLETED**	11-Nov-98
PROJECT NUMBER	240612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	41 76 ft above msl
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	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		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	USCS	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	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		
		SVS 1 6 @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		
							@ 9' - green-brown hard 60 % clay, 25% silt, 10%, 5% gravel, low plasticity low estimated permiability		Portland Type I/II
		SVS 1 6 @10 0		10	CL				
							@ 12' - brown @ 15' Brown-black very hard, 70 % clay 20% silt, 10% sand, low plasticity low estimated permiability		
		SVS 1 6 @15 0		15					
								19 0	Bottom of Boring @ 19 fbg

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SVS-16
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	11-Nov-98
LOCATION	San Leandro, California	**DRILLING COMPLETED**	11-Nov-98

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U S C S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Refusal @ 19'		

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SVP-1
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	27-Aug-07
LOCATION	San Leandro, California	**DRILLING COMPLETED**	28-Aug-07
PROJECT NUMBER	240612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3.5"	**SCREENED INTERVAL**	4.6 to 4.9 fbg
LOGGED BY	S. Lewis	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	A. Friel, PG 6452	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					ASPHALT		**ASPHALT**	0.7	Bentonite Slurry with Pellet Base
					SM		**Silty SAND with Gravel (SM)** ; yellowish brown (10YR 5/4); dry to moist; 15% silt, 65% fine to coarse sand, 20% fine gravel. @ 1' - 15% silt, 70% fine to coarse sand, 15% fine gravel.	2.5	1/4" - Diameter Teflon Tubing
					ML		**SILT (ML)** ; very dark gray (10YR 3/1); moist; 30% clay, 70% silt; medium plasticity.	5.2	2/16 Sand 3" - length Stainless Steel Screen
0.0		SVP-1-4.5'		5					Bottom of Boring @ 5.2 ft
				10					

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SVP-2
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	28-Aug-07
LOCATION	San Leandro, California	**DRILLING COMPLETED**	28-Aug-07
PROJECT NUMBER	240612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3.5"	**SCREENED INTERVAL**	4.6 to 4.9 fbg
LOGGED BY	S. Lewis	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	A. Friel, PG 6452	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					ASPHALT		**ASPHALT**	0.7	
					SM		**Silty SAND with Gravel (SM)**; olive (5Y 4/3); dry to moist; 15% silt, 60% fine to coarse sand, 25% fine gravel.		Bentonite Slurry with Pellet Base
					SM		**Silty SAND (SM)**; olive (5Y 4/3); dry; 15% silt, 80% fine to coarse sand, 5% fine gravel.		1/4" - Diameter Teflon Tubing
0.0		SVP-2-4.5'		5	ML		**SILT (ML)**; very dark grayish brown (10YR 3/2); moist; 15% clay, 80% fine to coarse sand, 5% fine to coarse sand; low plasticity.	4.5 5.2	2/16 Sand 3" - length Stainless Steel Screen Bottom of Boring @ 5.2 ft
				10					

WELL LOG (PID) I:\SONOMA-1.SHE\SANLEA~2\GINT\SNL1784.GPJ DEFAULT.GDT 10/3/07

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SVP-3
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	28-Aug-07
LOCATION	San Leandro, California	**DRILLING COMPLETED**	28-Aug-07
PROJECT NUMBER	240612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3.5"	**SCREENED INTERVAL**	4.6 to 4.9 fbg
LOGGED BY	S. Lewis	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	A. Friel, PG 6452	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					ASPHAL		**ASPHALT**	0.7	
					ML		**SILT (ML)**; very dark grayish brown (10YR 3/2); moist; 20% clay, 75% silt, 5% fine to coarse sand; low plasticity.	1.0	Bentonite Slurry with Pellet Base
					SM		**Silty SAND with Gravel (SM)**; light brownish gray (2.5Y 6/2); dry; 15% silt, 70% fine to coarse sand, 15% fine gravel.		1/4" - Diameter Teflon Tubing
0.0		SVP-3-4.5'		5				5.0	2/16 Sand 3" - length Stainless Steel Screen
				10					Bottom of Boring @ 5.2 ft

WELL LOG (PID) I:\SONOMA~1.SHE\SANLEA~2\GINTS\NL1784.GPJ DEFAULT.GDT 10/3/07

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SVP-4
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	28-Aug-07
LOCATION	San Leandro, California	**DRILLING COMPLETED**	28-Aug-07
PROJECT NUMBER	240612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hand auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3.5"	**SCREENED INTERVAL**	4.6 to 4.9 fbg
LOGGED BY	S. Lewis	**DEPTH TO WATER (First Encountered)**	2.5 ft (28-Aug-07) ▽
REVIEWED BY	A. Friel, PG 6452	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				CONCRETE			**CONCRETE**	0.5	Bentonite Slurry with Pellet Base
6.3					SM		**Silty SAND with Gravel (SM)**; light olive brown (2.5Y 5/4); dry to moist; 15% silt, 60% fine to coarse sand, 25% fine gravel. @ 1' - moist. @ 2.5' - wet; perched. ▽	3.0	1/4" - Diameter Teflon Tubing
623		SVP-4-4.5'		5	ML		**SILT (ML)**; very dark grayish brown (10YR 3/2); moist; 25% clay, 70% silt, 5% fine to coarse sand; medium plasticity. @ 4' - dark greenish gray (10Y 4/1).	5.4	2/16 Sand 3" - length Stainless Steel Screen Bottom of Boring @ 5.4 ft
				10					

WELL LOG (PID) I:\SONOMA~1.SHE\SANLEA~2\GINT\SNL1784.GPJ DEFAULT.GDT 10/3/07

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SVP-5
JOB/SITE NAME	1784 150th Avenue	**DRILLING STARTED**	28-Aug-07
LOCATION	San Leandro, California	**DRILLING COMPLETED**	28-Aug-07
PROJECT NUMBER	240612	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3.5"	**SCREENED INTERVAL**	4.6 to 4.9 fbg
LOGGED BY	S. Lewis	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	A. Friel, PG 6452	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					CONCRETE		**CONCRETE**	0.5	Bentonite Slurry with Pellet Base
					SM		**Silty SAND with Gravel (SM)** ; dark yellowish brown (10YR 3/4); dry to moist; 15% silt, 60% fine to coarse sand, 25% fine gravel.		
							SILT (ML) ; very dark gray (10YR 3/1); moist; 25% clay, 75% silt; medium plasticity.	1.0	
1.4		SVP-5-4.5'			ML				1/4" - Diameter Teflon Tubing
				5					2/16 Sand
								5.2	3" - length Stainless Steel Screen
				10					Bottom of Boring @ 5.2 ft

WELL LOG (PID) I:\SONOMA~1.SHE\SANLEA~2\GINT\SNL1784.GPJ DEFAULT.GDT 10/3/07