



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

November 20, 2012

Ms. Jennifer Sedlachek (Sent via E-mail to: jennifer.c.sedlachek@exxonmobil.com)
Exxon Mobil
4096 Piedmont, #194
Oakland, CA 94611

MacArthur Boulevard Associates
c/o Mr. John Jay, Management Agent (Sent via E-mail to: johnjay@jayphares.com)
10700 MacArthur Boulevard, Suite 200
Oakland, CA 94605

Subject: Case Closure for Fuel Leak Case No. RO0002635 and GeoTracker Global ID T0600120383,
Exxon #7-4121, 10605 Foothill Boulevard, Oakland, CA 94605

Dear Ms. Sedlachek and Mr. Jay:

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 1.5 ppm.
- Total petroleum hydrocarbons as gasoline remain in soil vapor at concentrations up to 420,000 micrograms per cubic meter.
- 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 land use as a landscaped area without buildings or as a gasoline service station.

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

Sincerely,


Donna L. Drogos, P.E.
Division Chief

Enclosures:

1. Remedial Action Completion Certification
2. Case Closure Summary

cc:

Leroy Griffin (w/enc)
Oakland Fire Department
250 Frank H. Ogawa Plaza, Ste. 3341
Oakland, CA 94612-2032
(Sent via E-mail to: lgriffin@oaklandnet.com)

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

Cardno ERI (w/enc)
Attn: Rebekah Westrup
601 North McDowell,
Petaluma, CA 94954
(Sent via E-mail to:
rebekah.westrup@cardno.com)

Peter McIntyre (w/enc)
AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597
(Sent via E-mail to:
pmcintyre@aeiconsultants.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

November 20, 2012

Ms. Jennifer Sedlachek (Sent via E-mail to: jennifer.c.sedlachek@exxonmobil.com)
Exxon Mobil
4096 Piedmont, #194
Oakland, CA 94611

MacArthur Boulevard Associates
c/o Mr. John Jay, Management Agent (Sent via E-mail to: johnjay@jayphares.com)
10700 MacArthur Boulevard, Suite 200
Oakland, CA 94605

Subject: Case Closure for Fuel Leak Case No. RO0002635 and GeoTracker Global ID T0600120383, Exxon #7-4121, 10605 Foothill Boulevard, Oakland, CA 94605

Dear Ms. Sedlachek and Mr. Jay:

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

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

I. AGENCY INFORMATION

Date: June 27, 2012

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: Exxon #7-4121		
Site Facility Address: 10605 Foothill Boulevard, Oakland, CA 94605		
RB Case No.: ---	Local Case No.: ---	LOP Case No.: RO0002635
URF Filing Date: ---	Geotracker ID: T0600120383	APN: 047-5594-001-00
Responsible Parties	Addresses	Phone Numbers
Ms. Jennifer Sedlachek, Exxon Mobil	4096 Piedmont Ave., # 194 Oakland, CA 94611	(510) 547-8196
MacArthur Boulevard Associates, c/o Mr. John Jay, Management Agent	10700 MacArthur Boulevard, Suite 200, Oakland, CA 94605	(510) 562-9500

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
---	Not Reported	Not Reported	Removed	October 1981 to June 1982
---	Not Reported	Not Reported	Removed	October 1981 to June 1982
---	Not Reported	Not Reported	Removed	October 1981 to June 1982
Piping			Removed	October 1981 to June 1982

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: The cause of the release is unknown. The USTs were reportedly removed between October 20, 1981 and June 15, 1982. However, no tank removal report or other records exist to document the removal.		
Site characterization complete? Yes	Date Approved By Oversight Agency: ----	
Monitoring wells installed? Yes	Number: 4	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 15.10 fbgs	Lowest Depth: 20.75 fbgs	Flow Direction: The apparent flow direction based on water level measurements in the monitoring wells is to the northwest. However, the regional topography and flow direction is to the southwest.
Most Sensitive Current Use: Potential drinking water source.		

Summary of Production Wells in Vicinity: The nearest water supply well is an irrigation well located approximately 1,200 feet east of the site. Based on the cross gradient location and distance from the site, the irrigation well is not expected to be a receptor for the site. Two additional irrigation wells are located approximately 1,700 to 2,000 feet south to southwest of the site. Based on the distance from the site, these two irrigation wells are not expected to be receptors for the site. Six domestic wells are located in the hills approximately 2,000 feet northeast of the site. Based on the upgradient location and distance from the site, the domestic wells are not expected to be receptors for the site.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: San Leandro Creek is located approximately 4,700 feet south of the site.
Off-Site Beneficial Use Impacts (Addresses/Locations): None identified.	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health and City of Oakland Fire Department

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	3 USTs	Not Reported	October 1981 to June 1982
Piping	Not Reported	Not Reported	October 1981 to June 1982
Free Product	----	---	----
Soil	1,751 tons	The soil was disposed of at Vasco Road Landfill in Livermore, CA.	2/16/2010 – 3/5/2010
Groundwater	5,000 gallons	The water was disposed of at the InStrat, Inc. facility in Rio Vista, CA.	3/3/2010

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)	2,700	1.5	60,800	< 50
TPH (Diesel)	590	< 5.0	26,000	< 50
TPH (Motor Oil)	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
Oil and Grease	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
Benzene	26	0.029	3,240	<0.5
Toluene	39	0.003	1,400	1.3
Ethylbenzene	66	0.005	4,690	1.3
Xylenes	280	0.012	11,100	< 1.0
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
MTBE	<2.5 (1)	<0.005 (2)	83 (3)	<0.5 (4)
Other (8240/8270)	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed

Notes:

- (1) MTBE < 2.5 ppm; TAME, DIPE, ETBE, EDB, EDC, < 0.005 ppm; TBA < 0.05 ppm.
- (2) MTBE, EDB, and EDC <0.005 ppm; TBA <0.05 ppm; TAME, DIPE and ETBE, < 0.01 ppm.
- (3) MTBE = 83 ppb; TAME, DIPE, ETBE, and EDB < 0.25 ppb; EDC < 0.39 ppb; TBA < 5.06 ppb.
- (4) MTBE, TAME, DIPE, ETBE, EDB, EDC < 0.5 ppb; TBA < 10 ppb.

Site History and Description of Corrective Actions:

The site is currently an open landscaped area with no structures that is located on the south corner of the intersection of foothill Boulevard and 106th Avenue in Oakland, CA. Adjacent land use includes a shopping center and residential homes.

The property was used as a gasoline service station between 1958 and 1982. According to 1964 site plans from the City of Oakland Building Department, three underground storage tanks (USTs) were present in the southwestern corner of the property and two dispenser islands were located on the northern side of the property. The USTs were reportedly removed between October 20, 1981 and June 15, 1982. However, no tank removal report or other records exist to document the removal.

Soil type is relatively uniform throughout the site and consists of clay and clayey silt to approximately 18 feet below ground surface (fbgs) over a layer of silt and sandy silt between approximately 18 and 22 fbgs.

On March 19, 2004, four soil borings (SB-1 through SB-4) were advanced in the area of the former USTs and dispenser islands to depths ranging between 8 to 22 fbgs. Four soil and two grab groundwater samples were collected from the borings. The two soil samples collected from the former dispenser area (SB-3 and SB-4) did not contain Total Petroleum Hydrocarbons as gasoline (TPHg), Total Petroleum Hydrocarbons as diesel (TPHd), or benzene, toluene, ethylbenzene, or xylenes (BTEX) at concentrations above the reporting limit, with the exception of one detection of 2.1 parts per million (ppm) TPHd. The two soil samples collected from the area of the former USTs contained 1,000 ppm TPHg, 590 ppm TPHd, 0.55 ppm benzene, 11 ppm toluene, 0.92 ppm ethylbenzene, and 2.6 ppm xylenes. The two groundwater samples were both collected from the former UST area and contained up to 3,200 parts per billion (ppb) TPHg, 4,200 ppb TPHd, 250 ppb benzene, and 71 ppb xylenes.

On May 26 and 27, 2005, nine soil borings (SB-5 through SB-13) were advanced throughout the site, surrounding the former UST and dispenser areas. At least three soil samples were collected from each boring at depths ranging between 5 and 25 fbgs. One groundwater sample was collected from each boring. The deeper soil samples, collected between 24.5 and 25 fbgs contained the greatest contaminant concentrations. The soil sample collected from boring SB-9, located near the northeastern boundary of the property, at 24.5 fbgs contained TPHg at a maximum concentration of 279 ppm. The grab groundwater samples collected at 20 fbgs and south of the former UST area contained up to 2,250 ppb TPHg and 701 ppb TPHd. The highest concentration of TPHd was 801 ppm, detected in the SB-8 grab groundwater sample located within the former dispenser area.

Between May 1, 2006 and May 3, 2006, seventeen soil borings (SB14 through SB21 and V1 through V10) were advanced for the collection of soil vapor, soil, and groundwater samples. At least four soil samples and one groundwater sample were collected from individual borings SB14 through SB21. Soil vapor samples were collected in wells V1 through V10 in addition to seven total soil samples from shallow vapor wells V3, V4, V5, and V8. Results of the soil and groundwater sampling indicate that a majority of the soil contamination is contained between 15 and 20 fbgs within and west of the former UST area. The greatest TPHg and benzene soil vapor samples were collected from VP10, located near the former UST area, at concentrations up to 17,000,000 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) and 1,900 $\mu\text{g}/\text{m}^3$, respectively.

Four groundwater monitoring wells (MW-1 through MW-3, and MW-5) and five soil vapor monitoring wells were installed between January 22 and 24, 2007. Soil samples were collected from groundwater monitoring well borings at two foot intervals between depths of 6 and 26.5 fbgs. One soil sample was collected from each vapor monitoring well at 5.5 fbgs. The greatest soil contamination was detected approximately 20 feet northeast of the former USTs in the MW-2 boring at a depth of 26 fbgs, which contained 964 ppm TPHg, 10.6 ppm TPHd, and 44 ppm benzene.

Soil vapor monitoring wells VW6 through VW12 were installed on March 23, 2009 and sampled on March 27, 2009. Environmental Screening Levels (ESLs) for residential land use were exceeded for either TPHg or benzene in soil vapor from wells VW2 and VW7 through VW12. The maximum concentrations in soil vapor were 4,400,000 $\mu\text{g}/\text{m}^3$ TPHg, 150 $\mu\text{g}/\text{m}^3$ benzene, 1,700 $\mu\text{g}/\text{m}^3$ toluene, and 5,300 $\mu\text{g}/\text{m}^3$ 1,1-Difluoroethane (1,1-DFA).

Site History and Description of Corrective Actions (Continued):

On February 16 through 19 and 26, 2010, five 20-foot deep, connected slots were excavated over an area that encompassed the former USTs. A pre-excavation soil investigation (borings PB1 through PB4) took place on January 26, 2010 to define the areas with residual contamination and evaluate the geotechnical stability of the soil. Confirmation soil samples were collected from the outer sidewalls of each slot at a depth of 15 fbs. The greatest detections in the confirmation soil samples were 1,300 ppm TPHg and 200 ppm TPHd, which were collected from the eastern sidewall of the excavation. Due to these elevated concentrations, the eastern sidewall was extended several feet and sampled. Soil samples collected from the extended eastern excavation did not contain TPHg or TPHd at concentrations above the reporting limit.

Soil vapor sampling was conducted in all remaining vapor monitoring wells on October 12, 2010 to examine the potential for vapor intrusion at the site. Four wells were not sampled due to either water in the wells or low-flow conditions. Well VW2, which is near the western property boundary, contained TPHg at a concentration of 190,000 $\mu\text{g}/\text{m}^3$ but did not contain benzene at a concentration above the reporting limit of 8.2 $\mu\text{g}/\text{m}^3$. The western property boundary is bordered by residential properties.

On January 19, 2011, another round of soil vapor monitoring was conducted in wells VW2 and VW11 to provide additional information on soil vapor near the western property boundary and in the area of the former dispensers. Attempts were made to sample wells VW3 and VW4, but were unsuccessful due to water in the wells. Soil vapor from well VW2 contained concentrations below 9,900 $\mu\text{g}/\text{m}^3$ TPHg. The soil vapor sample from well VW11, located within the former dispenser area, contained 420,000 $\mu\text{g}/\text{m}^3$ TPHg.

Four vapor monitoring wells in the northern portion of the site were sampled on October 11, 2011. All other vapor monitoring wells were not sampled due to perched groundwater in the wells. The maximum concentration of TPHg in soil vapor 110,000 $\mu\text{g}/\text{m}^3$ in soil vapor monitoring well VW-5, which is near the former USTs.

Due to persistent perched water in several vapor monitoring wells, four replacement wells (VW3R, VW4R, VW11R, and VW12R) were installed. Soil vapor sampling occurred on December 29 and 30, 2011. Soil vapor collected along the western property boundary adjacent to a residential property, contained 330 $\mu\text{g}/\text{m}^3$ TPHg and 8.3 $\mu\text{g}/\text{m}^3$ benzene. Soil vapor collected from VW-11 near the dispenser area contained 220,000 $\mu\text{g}/\text{m}^3$ TPHg but benzene was not present above the reporting limit. TPHg soil vapor concentrations along the adjacent residential boundary have shown a decreasing trend over the past five years, during which time oxygen concentrations have increased and constituent concentrations have decreased.

Groundwater monitoring was conducted quarterly from March 2007 to December 2008, then semi-annually up to March 2010. Groundwater concentrations have decreased since 2007. During the most recent groundwater sampling event in March 2010, the maximum concentration of TPHg and MTBE were 520 and 0.72 ppb, respectively. Benzene was not present in groundwater at concentrations above the reporting limit during the most recent groundwater monitoring event.

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, it does not appear that the release would present a risk to human health based upon current land use and conditions.		
<p>Site Management Requirements:</p> <p>Case closure for this fuel leak site is granted for the current land use as a landscaped area without buildings or as a gasoline service station. If a change in land use to any residential land use, commercial land use other than a gasoline service station, or other conservative land use occurs at this site, Alameda County Environmental Health (ACEH) must be notified as required by Government Code Section 65850.2.2. Due to the potential for vapor intrusion to indoor air in future buildings within a portion of the site, ACEH will re-evaluate the case upon receipt of approved development/construction plans.</p> <p>Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party (or current property owner/developer) prior to and during excavation and construction activities.</p> <p>This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination on site.</p>		
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: 4
List Enforcement Actions Taken: --		
List Enforcement Actions Rescinded: ---		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

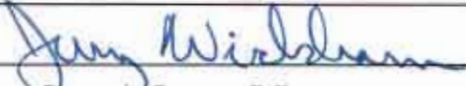
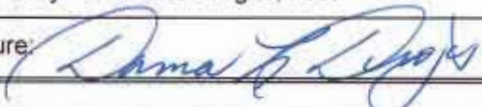
Elevated concentrations of TPHg were detected in soil vapor samples collected in the area of the former dispensers. Although TPHg has been detected at elevated concentrations in the area of the former dispensers, the concentration of benzene detected in soil vapor during recent sampling events does not exceed Environmental Screening Levels for residential land use. Any future site development plans that include structures within the area of the dispensers will need to evaluate the potential for vapor intrusion to indoor air. Soil vapor samples collected along the western boundary of the site appear to indicate that the site does not pose a risk of vapor intrusion to nearby structures.

All required analyses for unknown USTs were not performed.

Conclusion:

Alameda County Environmental Health staff believe that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment under the current land use as a landscaped area with no buildings. 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 may be required if land uses changes to any residential to any residential land use, commercial land use other than a gasoline service station, or other conservative land use occurs at this site; or construction or excavation activities take place or the building structure is otherwise modified. ACEH staff recommend closure for this site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham, P.G.	Title: Senior Hazardous Materials Specialist
Signature: 	Date: 07/03/12
Approved by: Donna L. Drogos, P.E.	Title: Division Chief
Signature: 	Date: 07/03/12

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: 08/16/12	

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: 09/25/2012	Date of Well Decommissioning Report: 11/14/2012	
All Monitoring Wells Decommissioned: <input checked="" type="radio"/> Yes <input type="radio"/> No	Number Decommissioned: 18	Number Retained: 0
Reason Wells Retained: NA		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature: <i>Jerry Wickham</i>	Date: 11/20/2012	

Attachments:

1. Site Location Map and Aerial Photograph (2 pp)
2. Site Plans and Soil Vapor Analytical Results Maps (4 pp)
3. Soil and Soil Vapor Analytical Data (15 pp)
4. Groundwater Analytical Data (5 pp)
5. Cross Sections (3 pp)
6. Boring Logs (61 pp)

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

Wickham, Jerry, Env. Health

From: MCcaulou, Cherie@Waterboards [Cherie.MCcaulou@waterboards.ca.gov]
Sent: Tuesday, August 21, 2012 2:15 PM
To: Wickham, Jerry, Env. Health
Cc: MCcaulou, Cherie@Waterboards
Subject: RE: RO2635 Pending case closure for RO2635 at 10605 Foothill Boulevard, Oakland

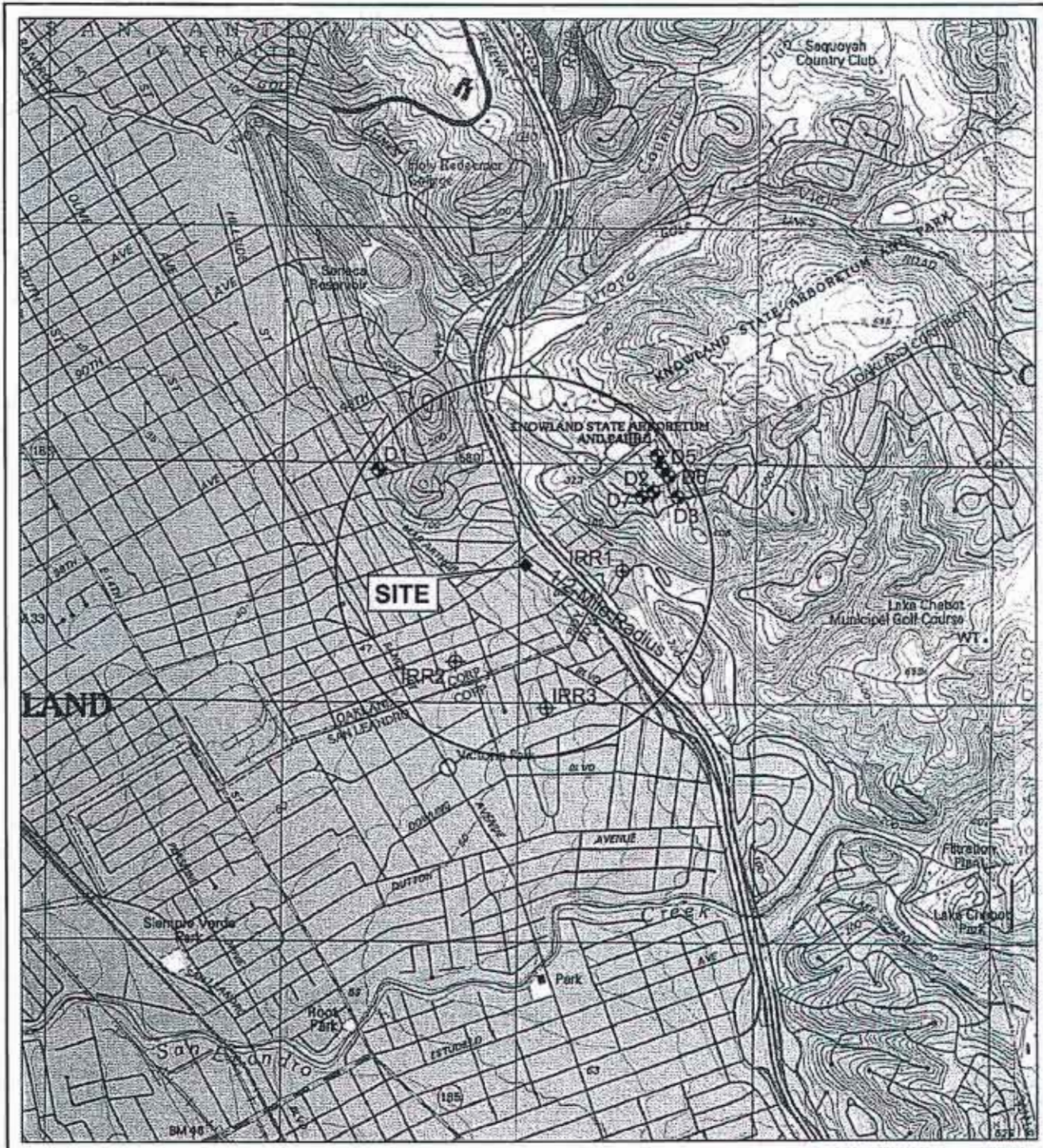
Hi Jerry – This e-mail confirms our receipt of the notice for case closure of 10605 Foothill Blvd. Oakland. We have no objection to this action. Thank you.

From: Jerry Env. Health Wickham [<mailto:jerry.wickham@acgov.org>]
Sent: Thursday, August 16, 2012 3:51 PM
To: MCcaulou, Cherie@Waterboards
Subject: RO2635 Pending case closure for RO2635 at 10605 Foothill Boulevard, Oakland

Hi Cherie,

This email provides notification of pending closure for ACEH case RO2635, 10605 Foothill Boulevard, Oakland.

Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
phone: 510-567-6791
jerry.wickham@acgov.org

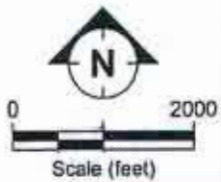


SOURCE: USGS Topographic Map

LEGEND:

Wells Within
1/2-Mile Radius

- 7 DOMESTIC WELL
- 3 IRRIGATION WELL



FILENAME: well-locations.DWG 07/20/06



TOPOGRAPHIC MAP SHOWING LOCATIONS OF GROUNDWATER WELLS
IN SITE VICINITY
FORMER EXXON RS 7-4121
10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

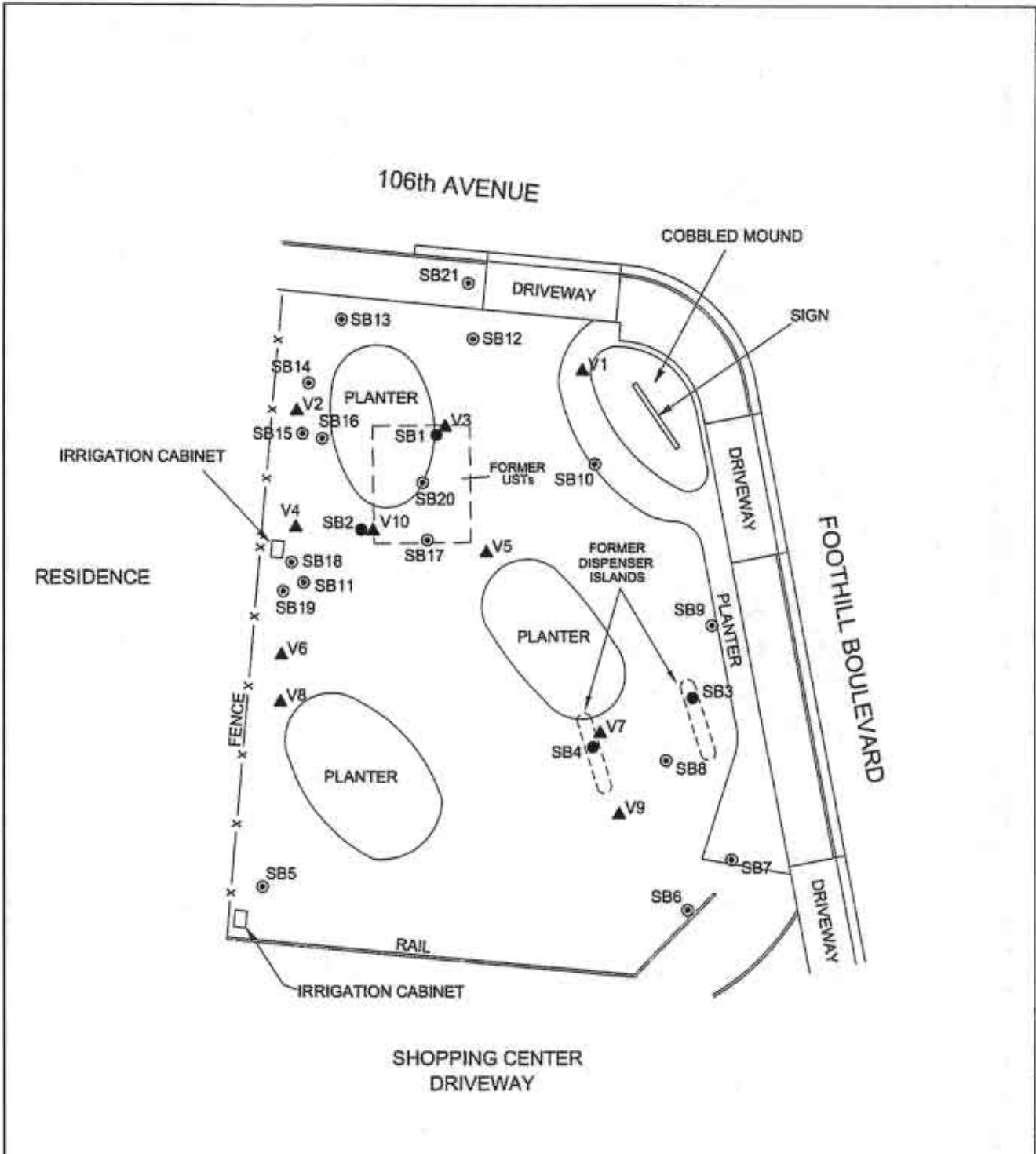
FIGURE:
11



Google earth

feet
meters





LEGEND

- Soil Boring (Installed by AEI 3/19/04)
- ⊙ Direct Push Soil Boring (Installed by ETIC)
- ▲ Soil Vapor Probe

Basemap Source: Morrow Surveying, 2006



FILENAME: s:\10605.DWG 06/20/06



SITE PLAN
 FORMER EXXON RS 7-4121
 10605 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

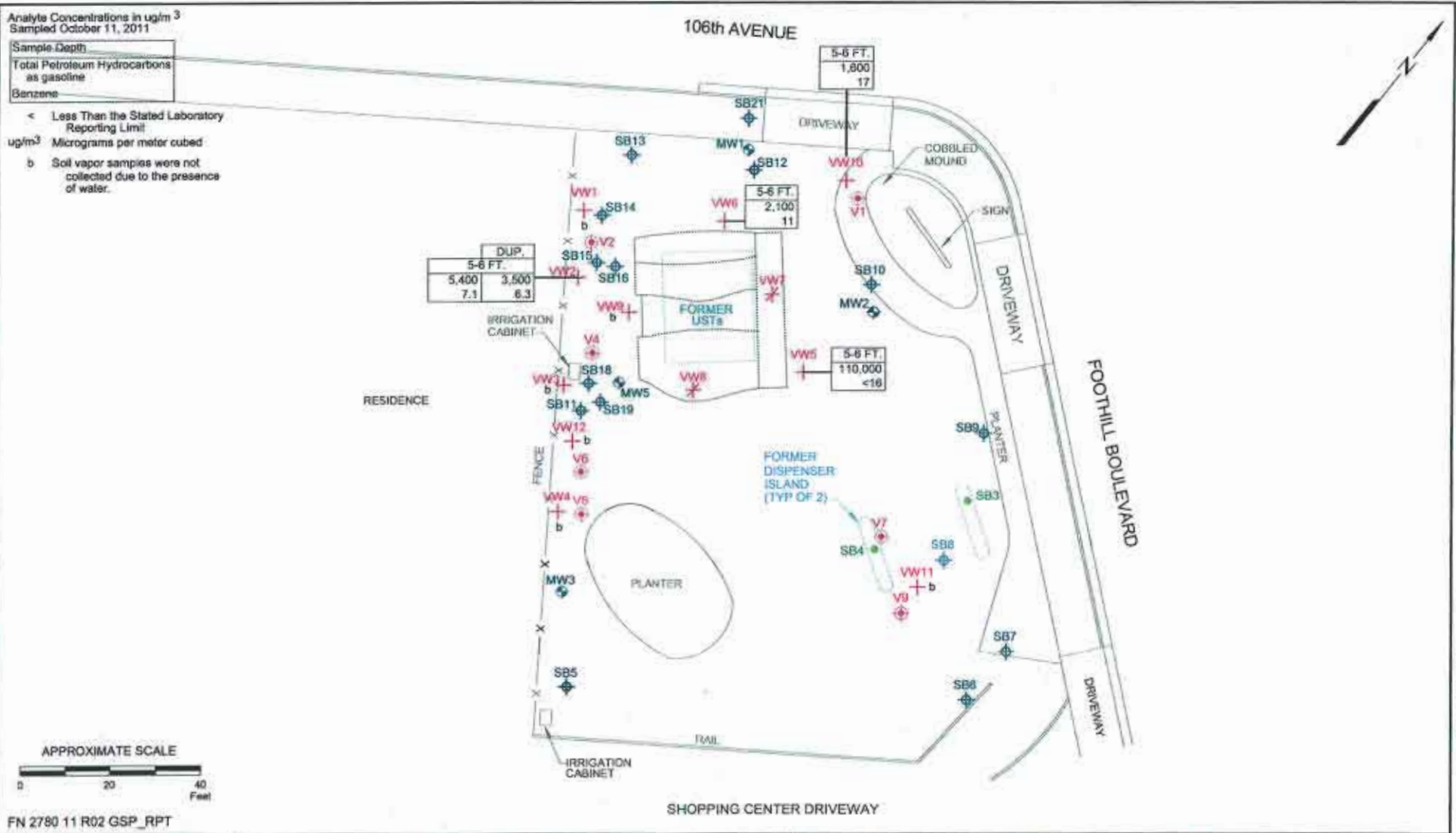
FIGURE:

2

Analyte Concentrations in ug/m³
 Sampled October 11, 2011

Sample Depth	
Total Petroleum Hydrocarbons as gasoline	
Benzene	

- < Less Than the Stated Laboratory Reporting Limit
- ug/m³ Micrograms per meter cubed
- b Soil vapor samples were not collected due to the presence of water.



FN 2780 11 R02 GSP_RPT



**GENERALIZED SITE PLAN
 AND SELECT SOIL VAPOR ANALYTICAL RESULTS**
 FORMER EXXON SERVICE STATION 74121
 10605 Foothill Boulevard
 Oakland, California

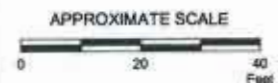
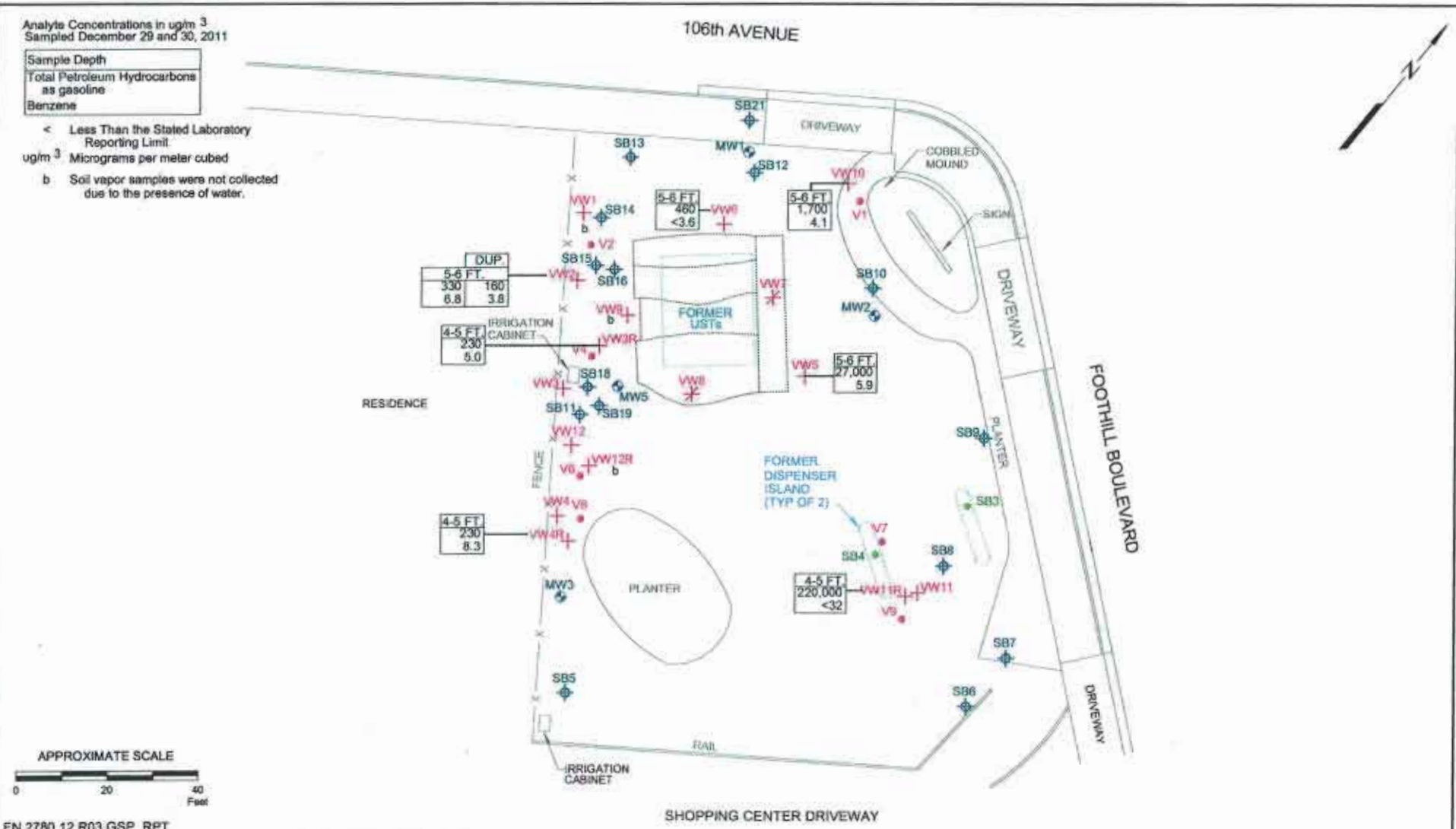
EXPLANATION	SB21 ◆ Direct - Push Boring	VW8 ✖ Destroyed Soil Vapor Sampling Well
MW5 ◆ Groundwater Monitoring Well	SB4 ● Soil Boring	
VW12 + Soil Vapor Sampling Well	V9 ◆ Direct - Push Soil Boring	

PROJECT NO.	2780
PLATE	2

Analyte Concentrations in $\mu\text{g}/\text{m}^3$
 Sampled December 29 and 30, 2011

Sample Depth	Total Petroleum Hydrocarbons as gasoline	Benzene
5-6 FT.	330	180
	6.8	3.8

- < Less Than the Stated Laboratory Reporting Limit
- $\mu\text{g}/\text{m}^3$ Micrograms per meter cubed
- b. Soil vapor samples were not collected due to the presence of water.



FN 2780 12 R03 GSP_RPT

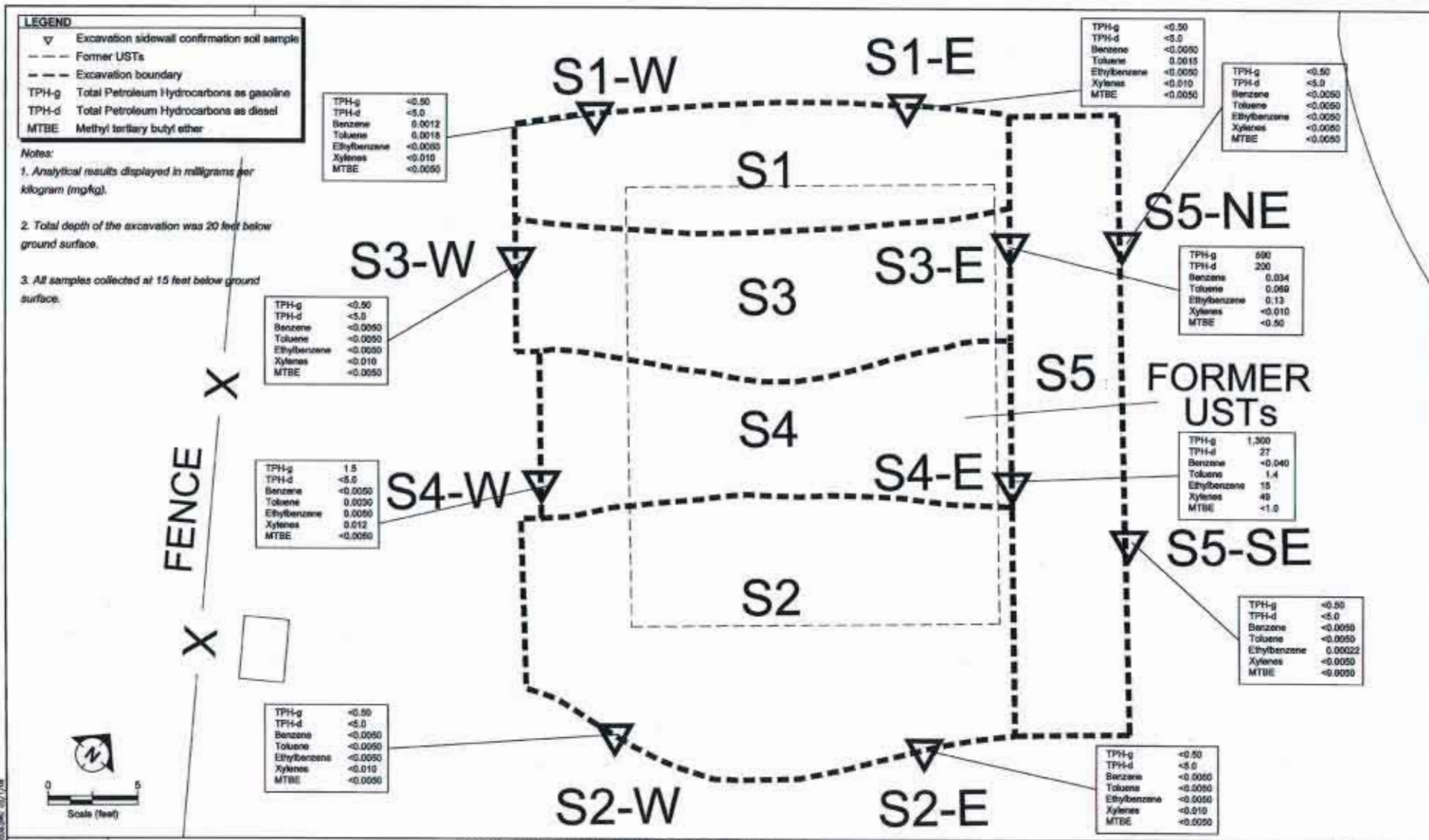


SELECT SOIL VAPOR ANALYTICAL RESULTS

FORMER EXXON SERVICE STATION 74121
 10605 Foothill Boulevard
 Oakland, California

EXPLANATION	SB21	VW1	PROJECT NO.
MW5 Groundwater Monitoring Well	Direct Push Boring	Destroyed Soil Vapor Sampling Well	2780
VW12 Soil Vapor Sampling Well	SB4 Soil Boring		PLATE 2
	V9 Soil Vapor Probe		

L:\EXXON\MOBILE\ExxonMobil_Facilities\022780\12\1211\Cellar\02780_AutoCAD\REPORTS\12_R03\12_R03_GSP_RPT.dwg, 2/15/01 2:37:46 AM, msbms



MAP OF EXCAVATION SHOWING CONFIRMATION SAMPLING ANALYTICAL RESULTS
 FORMER EXXON RS 74121
 10605 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

FIGURE:
3



FILENAME: S:\m030308.DWG 02/17/08

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 74121
10605 Foothill Boulevard
Oakland, California
(Page 1 of 6)

Sampling ID	Sampling Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)
SB1	03/19/04	11	590	1,000	<2.5	0.55	11	0.92	2.8
SB2	03/19/04	18	37	65	<0.5	<0.05	0.39	0.40	0.13
SB3	03/19/04	5	<1.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005
SB4	03/19/04	5	2.1	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005
SB5	05/26/05	5-5.5	<10.1	<4.98	<0.002	<0.001	<0.005	<0.005	<0.005
SB5	05/26/05	17.5-18	<9.92	<4.97	<0.002	<0.001	<0.005	<0.005	<0.005
SB5	05/26/05	24.5-25	10.6	<4.99	<0.002	<0.001	<0.005	<0.005	<0.005
SB6	05/26/05	5-5.5	10.2	<5.03	<0.002	<0.001	<0.005	<0.005	<0.005
SB6	05/26/05	19.5-20	<10.1	<5.03	<0.002	<0.001	<0.005	<0.005	<0.005
SB6	05/26/05	21.5-22	<10	<4.96	<0.002	<0.001	<0.005	<0.005	<0.005
SB6	05/26/05	24.5-25	<10	<4.98	<0.002	<0.001	<0.005	<0.005	<0.005
SB7	05/26/05	5-5.5	<10.2	<5.02	<0.002	<0.001	<0.005	<0.005	<0.005
SB7	05/26/05	18-18.5	<10	<5	<0.002	<0.001	<0.005	<0.005	<0.005
SB7	05/26/05	22.5-23	<10	<4.96	<0.002	<0.001	<0.005	<0.005	<0.005
SB7	05/26/05	24.5-25	<10.2	<5.02	<0.002	<0.001	<0.005	<0.005	<0.005
SB8	05/26/05	5-5.5	<9.92	<4.97	<0.002	<0.001	<0.005	<0.005	<0.005
SB8	05/26/05	17.5-18	<9.92	<4.96	<0.002	0.0010b	<0.005	<0.005	<0.005
SB8	05/26/05	21.5-22	<10	11.2	<0.002	0.0307	<0.005	0.0120	0.0205
SB8	05/26/05	24.5-25	<10	10.2	<0.002	0.0414	0.0153	0.0184	0.0197
SB9	05/27/05	5-5.5	<9.80	<5.02	<0.002	<0.001	<0.005	<0.005	<0.005
SB9	05/27/05	18-18.5	<10	<5	<0.002	<0.001	<0.005	<0.005	<0.005
SB9	05/27/05	19.5-20	<10	<4.96	<0.002	<0.001	<0.005	<0.005	<0.005
SB9	05/27/05	24.5-25	<9.88	279	<0.002	1.58	1.10	0.400	1.72
SB10	05/27/05	5-5.5	<9.92	<5.01	<0.002	<0.001	<0.005	<0.005	<0.005
SB10	05/27/05	17.5-18	<10	<5.03	<0.002	<0.001	<0.005	<0.005	<0.005
SB10	05/27/05	24.5-25	<10	<5.01	<0.002	<0.001	<0.005	<0.005	<0.005
SB11	05/27/05	5-5.5	<10.2	<4.99	<0.002	<0.001	<0.005	<0.005	<0.005
SB11	05/27/05	18.5-19	<10	<4.95	<0.002	<0.001	<0.005	<0.005	<0.005
SB11	05/27/05	24.5-25	<10	<4.98	<0.002	0.0082	<0.005	<0.005	0.0053

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 74121
10605 Foothill Boulevard
Oakland, California
(Page 2 of 6)

Sampling ID	Sampling Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)
SB12	05/27/05	5-5.5	<10	<4.97	<0.002	<0.001	<0.005	<0.005	<0.005
SB12	05/27/05	16.5-17	<9.88	<5.05	<0.002	<0.001	<0.0051	<0.0051	<0.0051
SB12	05/27/05	25.5-26	<9.96	<4.98	<0.002	<0.001	<0.005	<0.005	<0.005
SB13	05/27/05	5-5.5	<9.92	<5.02	<0.002	<0.001	<0.005	<0.005	<0.005
SB13	05/27/05	18.5-19	<9.92	<5.05	<0.002	<0.001	<0.0051	<0.0051	<0.0051
SB13	05/27/05	24.5-25	<9.92	<4.95	<0.002	0.0011	<0.005	<0.005	<0.005
SB14	05/02/06	5-5.5	3.2	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB14	05/02/06	10-10.5	6.5	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB14	05/02/06	15-15.5	2.1	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB14	05/02/06	20-20.5	2.8	1.300	<0.005	<0.001	<0.001	<0.001	0.0088
SB14	05/02/06	24.5-25	2.2	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB15	05/02/06	5-5.5	3.1	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB15	05/02/06	15-15.5	8.7	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB15	05/02/06	20-20.5	2.5	0.160	<0.005	<0.001	<0.001	0.0016	<0.001
SB15	05/02/06	24.5-25	1.3	0.270	<0.005	<0.001	<0.001	0.0069	<0.001
SB16	05/02/06	5-5.5	14	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB16	05/02/06	10-10.5	5.2	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB16	05/02/06	15-15.5	4.2	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB16	05/02/06	20-20.5	9.3	14	<0.005	0.120	0.052	0.043	0.060
SB16	05/02/06	24.5-25	<1.0	<0.1	<0.005	<0.001	<0.001	0.0018	<0.001
SB17	05/02/06	5.5-6	18	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB17	05/02/06	10-10.5	280	38	<0.12	<0.01	0.030	0.310	<0.01
SB17	05/02/06	15-15.5	3.5	0.700	<0.005	0.018	0.0028	0.017	0.0040
SB17	05/02/06	19.5-20	18	320	<1.2	3.2	2.0	8.8	31
SB17	05/02/06	24.5-25	1.1	<0.1	<0.005	<0.001	<0.001	<0.001	0.0011
SB18	05/03/06	5-5.5	<1.0	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB18	05/03/06	10-10.5	<1.0	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB18	05/03/06	15-15.5	<1.0	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB18	05/03/06	19.5-20	14	29	<0.005	<0.10	<0.10	<0.10	<0.10
SB18	05/03/06	24.5-25	<1.0	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 74121
10605 Foothill Boulevard
Oakland, California
(Page 3 of 6)

Sampling ID	Sampling Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)
SB19	05/02/06	5-5.5	1.4	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB19	05/02/06	10-10.5	4.8	0.230	<0.005	<0.001	<0.001	<0.001	0.0015
SB19	05/02/06	15-15.5	1.2	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB19	05/02/06	20-20.5	5.8	19	<0.005	<0.10	<0.10	<0.10	0.15
SB19	05/02/06	24.5-25	1.7	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB20	05/02/06	5.5-6	14	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB20	05/02/06	10-10.5	98	76	<0.051	0.58	0.60	0.80	0.72
SB20	05/02/06	15-15.5	270	1,300	<0.12	26	39	24	12
SB20	05/02/06	19.5-20	250	2,700	<2.5	20	18	66	280
SB20	05/02/06	23.5-24	7.0	0.610	<0.005	0.013	0.0047	0.023	0.0082
SB21	05/02/06	8-8.5	1.4	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB21	05/02/06	13-13.5	<1.0	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB21	05/02/06	18-18.5	1.7	<0.1	0.0088	<0.001	<0.001	<0.001	<0.001
SB21	05/02/06	19.5-20	2.4	<1	0.012	<0.001	<0.001	<0.001	0.014
SB21	05/02/06	23-23.5	<1.0	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
SB21	05/02/06	24.5-25	<1.0	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
V3	05/03/06	9.5-10	<1.0	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
V4	05/03/06	5-5.5	<1.0	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
V4	05/03/06	7.5-8	<1.0	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
V5	05/03/06	5-5.5	<1.0	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
V5	05/03/06	7.5-8	<1.0	0.240	<0.005	<0.001	<0.001	<0.001	<0.001
V8	05/03/06	5-5.5	<1.0	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
V8	05/03/06	7.5-8	1.0	<0.1	<0.005	<0.001	<0.001	<0.001	<0.001
MW1	01/23/07	6-6.5	<3.95	<0.0992	<0.00200	<0.000992/<0.00200a	<0.000992/<0.00200a	<0.000992/<0.00200a	<0.00298/<0.00500a
MW1	01/23/07	8-8.5	<3.91	<0.0994	<0.00200	<0.000994/<0.00200a	<0.000994/<0.00200a	<0.000994/<0.00200a	<0.00298/<0.00500a
MW1	01/23/07	10-10.5	<3.88	<0.100	<0.00200	<0.00100/<0.00200a	<0.00100/<0.00200a	<0.00100/<0.00200a	<0.00300/<0.00500a
MW1	01/23/07	11.5-12	<3.91	<0.0994	<0.00200	<0.000994/<0.00200a	<0.000994/<0.00200a	<0.000994/<0.00200a	<0.00298/<0.00500a
MW1	01/23/07	12-12.5	<3.93	<0.0996	<0.00200	<0.000996/<0.00200a	<0.000996/0.00211a	<0.000996/<0.00200a	<0.00299/<0.00500a
MW1	01/23/07	14-14.5	<3.89	<0.101	<0.00200	<0.00101/<0.00200a	<0.00101/<0.00200a	<0.00101/<0.00200a	<0.00302/<0.00500a
MW1	01/23/07	15.5-16	<3.96	<0.100	<0.00200	<0.00100/<0.00200a	<0.00100/<0.00200a	<0.00100/<0.00200a	<0.00300/<0.00500a
MW1	01/23/07	16-16.5	<3.92	<0.0990	<0.00200	<0.000990/<0.00200a	0.00121/<0.00200a	<0.000990/<0.00200a	<0.00297/<0.00500a
MW1	01/23/07	17.5-18	<3.97	0.720	<0.00200,c	0.00857/<0.00200a	0.00493/0.00221a	0.00126/<0.00200a	0.00459/<0.00500a

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 74121
10605 Foothill Boulevard
Oakland, California
(Page 4 of 6)

Sampling ID	Sampling Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)
MW1	01/23/07	18-18.5	<3.88	<0.100	<0.00200	<0.00100/<0.00200a	0.00128/<0.00200a	<0.00100/<0.00200a	<0.00301/<0.00500a
MW1	01/23/07	19.5-20	<3.92	0.454	<0.00200	<0.00101/<0.00200a	<0.00101/<0.00200a	<0.00101/<0.00200a	0.00413/<0.00500a
MW1	01/23/07	20-20.5	<3.85	1.38	<0.00200	0.00128/<0.00200a	0.00387/0.00403a	0.0022/0.00202a	0.0120/0.00546a
MW1	01/23/07	22-22.5	<3.91	3.92	<0.00200	0.00539/<0.00200a	0.00651/<0.00200a	0.00471/<0.00200a	0.0336/<0.00500a
MW2	01/23/07	6-6.5	<4.00	<0.100	<0.00200	<0.00100/<0.00200a	<0.00100/<0.00200a	<0.00100/<0.00200a	<0.00301/<0.00500a
MW2	01/23/07	8-8.5	<3.87	<0.101	<0.00200	0.00104/<0.00200a	0.00112/<0.00200a	<0.00101/<0.00200a	<0.00302/<0.00500a
MW2	01/23/07	10-10.5	<3.93	<0.101	<0.00200	<0.00101/<0.00200a	0.00110/<0.00200a	<0.00101/<0.00200a	<0.00302/<0.00500a
MW2	01/23/07	12-12.5	<3.84	<0.101	<0.00200	<0.00101/<0.00200a	<0.00101/<0.00200a	<0.00101/<0.00200a	<0.00303/<0.00500a
MW2	01/23/07	14-14.5	<3.94	<0.0990	<0.00200	<0.000990/<0.00200a	<0.000990/<0.00200a	<0.000990/<0.00200a	<0.00297/<0.00500a
MW2	01/23/07	15.5-16	<3.86	<0.0994	<0.00200	<0.000994/<0.00200a	<0.000994/<0.00200a	<0.000994/<0.00200a	<0.00298/<0.00500a
MW2	01/23/07	16-16.5	<3.97	<0.101	<0.00200	0.00133/<0.00200a	<0.00101/<0.00200a	<0.00101/<0.00200a	<0.00303/<0.00500a
MW2	01/23/07	18-18.5	<3.91	0.508	<0.00200	0.00492/<0.00200a	<0.000992/<0.00200a	<0.000992/<0.00200a	<0.00298/<0.00500a
MW2	01/23/07	19.5-20	<3.74	<0.0992	<0.00200	<0.000992/<0.00200a	<0.000992/<0.00200a	<0.000992/<0.00200a	<0.00298/<0.00500a
MW2	01/23/07	20-20.5	<3.83	0.672	<0.00200	0.00633/<0.00200a	<0.00101/<0.00200a	0.00128/<0.00200a	<0.00303/<0.00500a
MW2	01/23/07	21.5-22	<3.86	2.85	<0.00200	0.00369/<0.00200a	<0.00100/<0.00200a	0.00235/<0.00200a	0.0105/<0.00500a
MW2	01/23/07	22-22.5	<3.81	3.32	<0.00200	0.00643/<0.00200a	<0.000996/<0.00200a	0.00299/<0.00200a	0.0138/<0.00500a
MW2	01/23/07	23.5-24	<3.76	0.591	<0.00200	0.00185/<0.00200a	<0.00101/<0.00200a	<0.00101/<0.00200a	<0.00302/<0.00500a
MW2	01/23/07	24-24.5	<3.73	18.7	<0.00200	0.00136/<0.00200a	0.00678/<0.00200a	0.01410/<0.00200a	0.0891/<0.00500a
MW2	01/23/07	26-26.5	10.6	964	<0.00200	4.40/<0.00200a	2.12/0.00944a	2.29/<0.00200a	3.79/0.256a
MW3	01/24/07	6-6.5	<3.82	<0.101	<0.00200	<0.00101/<0.00200a	<0.00101/<0.00200a	<0.00101/<0.00200a	<0.00302/<0.00500a
MW3	01/24/07	8-8.5	<3.79	<0.0992	<0.00200	<0.000992/<0.00200a	<0.000992/<0.00200a	<0.000992/<0.00200a	<0.00298/<0.00500a
MW3	01/24/07	10-10.5	<3.70	0.141	<0.00200	0.00231/<0.00200a	0.00114/<0.00200a	<0.00101/<0.00200a	<0.00302/<0.00500a
MW3	01/24/07	12-12.5	<3.99	<0.101	<0.00200	0.00102/<0.00200a	<0.00101/<0.00200a	<0.00101/<0.00200a	<0.00302/<0.00500a
MW3	01/24/07	14-14.5	<3.80	0.363	<0.00200	0.00484/<0.00200a	0.00206/<0.00200a	<0.00101/<0.00200a	<0.00301/<0.00500a
MW3	01/24/07	16-16.5	<3.95	<0.101	<0.00200	<0.00101/<0.00200a	<0.00101/<0.00200a	<0.00101/<0.00200a	<0.00303/<0.00500a
MW3	01/24/07	18-18.5	<3.71	0.794	<0.00200	0.00917/<0.00200a	0.00404/<0.00200a	0.00151/<0.00200a	<0.00301/<0.00500a
MW3	01/24/07	20-20.5	<3.96	<0.101	<0.00200	<0.00101/<0.00200a	<0.00101/<0.00200a	<0.00101/<0.00200a	<0.00303/<0.00500a
MW3	01/24/07	22-22.5	<3.71	<0.0990	<0.00200	0.00174/<0.00200a	<0.000990/<0.00200a	<0.000990/<0.00200a	<0.00297/<0.00500a
MW3	01/24/07	24-24.5	<3.76	<0.0996	<0.00200	<0.000996/<0.00200a	<0.000996/<0.00200a	<0.000996/<0.00200a	<0.00299/<0.00500a
MW3	01/24/07	26-26.5	<3.89	<0.0992	<0.00200	<0.000992/<0.00200a	<0.000992/<0.00200a	<0.000992/<0.00200a	<0.00298/<0.00500a
MW5	01/23/07	6-6.5	<3.79	<0.100	<0.00200	<0.00100/<0.00200a	<0.00100/<0.00200a	<0.00100/<0.00200a	<0.00301/<0.00500a
MW5	01/23/07	8-8.5	<3.76	<0.100	<0.00200	<0.00100/<0.00200a	<0.00100/<0.00200a	<0.00100/<0.00200a	<0.00301/<0.00500a
MW5	01/23/07	10-10.5	<3.94	0.274	<0.00200	0.00265/<0.00200a	<0.000996/<0.00200a	<0.000996/<0.00200a	<0.00299/<0.00500a
MW5	01/23/07	12-12.5	<3.82	<0.0998	<0.00200	<0.000998/<0.00200a	<0.000998/<0.00200a	<0.000998/<0.00200a	<0.00299/<0.00500a
MW5	01/23/07	14-14.5	<3.92	<0.100	<0.00200	<0.00100/<0.00200a	<0.00100/<0.00200a	<0.00100/<0.00200a	<0.00301/<0.00500a
MW5	01/23/07	16-16.5	<3.98	<0.100	<0.00200	<0.00100/<0.00200a	<0.00100/<0.00200a	<0.00100/<0.00200a	<0.00301/<0.00500a

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 74121
10605 Foothill Boulevard
Oakland, California
(Page 5 of 6)

Sampling ID	Sampling Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)
MW5	01/23/07	18-18.5	<3.90	0.385	<0.00200	0.00189/<0.00200a	<0.000994/0.00229a	<0.000994/0.00217a	<0.00298/0.00878a
MW5	01/23/07	19.5-20	<3.83	2.01	<0.00200	0.0102/<0.00200a	0.00149/<0.00200a	0.00211/<0.00200a	0.0125/0.00562a
MW5	01/23/07	20-20.5	<3.98	2.66	<0.00200	0.0138/<0.00200a	<0.000994/<0.00200a	0.00279/<0.00200a	0.0104/<0.00500a
MW5	01/23/07	22-22.5	<3.80	0.603	<0.00200	0.00111/<0.00200a	<0.00100/<0.00200a	<0.00100/<0.00200a	<0.00301/<0.00500a
MW5	01/23/07	24-24.5	<3.81	0.138	<0.00200	0.00666/0.00517a	<0.000996/<0.00200a	<0.000996/<0.00200a	<0.00299/<0.00500a
MW5	01/23/07	26-26.5	<3.74	<0.0992	<0.00200	0.00288/<0.00200a	<0.000992/<0.00200a	<0.000992/<0.00200a	<0.00298/<0.00500a
VW1	01/22/07	5.5-6	<3.96	<0.101	<0.00200	<0.00101/<0.00200a	<0.00101/<0.00200a	<0.00101/<0.00200a	<0.00303/<0.00500a
VW2	01/22/07	5.5-6	<3.91	<0.0990	<0.00200	<0.000990/<0.00200a	<0.000990	<0.000990/<0.00200a	<0.00297/<0.00500a
VW3	01/22/07	5.5-6	<3.87	<0.101	<0.00200	<0.00101/<0.00200a	<0.00101	<0.00101/<0.00200a	<0.00302/<0.00500a
VW4	01/22/07	5.5-6	8.73	<0.101	<0.00200	<0.00101/<0.00200a	<0.00101	<0.00101/<0.00200a	<0.00303/<0.00500a
VW5	01/22/07	5.5-6	<3.86	<0.0990	<0.00200	<0.000990/<0.00200a	<0.000990	<0.000990/<0.00200a	<0.00297/<0.00500a
VW6	03/23/09	5.5-6	<5.0	<0.50	<0.0050	<0.0050a	<0.0050a	0.00032a,b	0.0015a,b
VW7	03/23/09	5.5-6	<5.0	<0.50	<0.0050	<0.0050a	<0.0050a	<0.0050a	<0.0050a
VW8	03/23/09	5.5-6	<5.0	<0.50	<0.0050	<0.0050a	<0.0050a	0.00018a,b	<0.0050a
VW9	03/23/09	5.5-6	<5.0	<0.50	<0.0050	<0.0050a	<0.0050a	<0.0050a	<0.0050a
VW10	03/23/09	5.5-6	<5.0	<0.50	<0.0050	<0.0050a	<0.0050a	<0.0050a	<0.0050a
VW11	03/23/09	5.5-6	<5.0	<0.50	<0.0050	<0.0050a	0.00051a,b	0.00071a,b	0.0032a,b
VW12	03/23/09	5.5-6	<5.0	<0.50	<0.0050	<0.0050a	<0.0050a	<0.0050a	0.00033a,b
PB1	01/26/10	19.5-20	<5.0	<0.50	<0.0050	<0.0050a	<0.0050a	<0.0050a	<0.0050a
PB2	01/26/10	19.5-20	<5.0	6.6	<0.50	0.029a	<0.50a	0.34a,b	<0.50a
PB3	01/26/10	19.5-20	<5.0	4.9	<0.0050	0.0059a	<0.0050a	0.0098a	0.0070a
PB4	01/26/10	19.5-20	<5.0	<0.50	<0.0050	0.00079a,b	<0.0050a	0.00045a,b	<0.0050a

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 74121
10605 Foothill Boulevard
Oakland, California
(Page 6 of 6)

Sampling ID	Sampling Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)
S1-E	02/16/10	15	<5.0	<0.50	<0.0050	<0.0050a	0.0015a,b	<0.0050a	<0.010a
S1-W	02/16/10	15	<5.0	<0.50	<0.0050	0.0012a,b	0.0018a,b	<0.0050a	<0.010a
S2-E	02/17/10	15	<5.0	<0.50	<0.0050	<0.0050a	<0.0050a	<0.0050a	<0.010a
S2-W	02/17/10	15	<5.0	<0.50	<0.0050	<0.0050a	<0.0050a	<0.0050a	<0.010a
S3-E	02/18/10	15	200	590	<0.50	0.034a	0.069a	0.13a	<0.010a
S3-W	02/18/10	15	<5.0	<0.50	<0.0050	<0.0050a	<0.0050a	<0.0050a	<0.010a
S4-E	02/19/10	15	27	1,300	<1.0	<0.040a	1.4a	15a	49a
S4-W	02/19/10	15	<5.0	1.5	<0.0050	<0.0050a	0.0030a,b	0.0050a	0.012a
S5-NE	02/26/10	15	<5.0	<0.50	<0.0050	<0.0050a	<0.0050a	<0.0050a	<0.0050a
S5-SE	02/26/10	15	<5.0	<0.50	<0.0050	<0.0050a	<0.0050a	0.00022a,b	<0.0050a
Soil Stockpile Samples									
S-SP1 (1-4)	12/19/11	—	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050

Notes:

- TPHd = Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015B; prior to 2010, analyzed using EPA Method 8021B.
- TPHg = Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B; prior to 2010, analyzed using EPA Method 8021B.
- MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8015B; prior to April 2005, analyzed using EPA Method 8260B.
- BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B, unless otherwise noted.
- DIPE = Di-isopropyl ether analyzed using EPA Method 8260B.
- ETBE = Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
- TAME = Tertiary amyl methyl ether analyzed using EPA Method 8260B.
- TBA = Tertiary butyl alcohol analyzed using EPA Method 8260B.
- 1,2-DCA = 1,2-dichloroethane analyzed using EPA Method 8260B.
- EDB = 1,2-dibromoethane analyzed using EPA Method 8260B.
- Lead = Lead analyzed using EPA Method 6010B.
- mg/kg = Milligrams per kilogram.
- < = Less than the stated laboratory reporting limit.
- = Not measured/Not sampled/Not analyzed.
- a = Analyzed by EPA Method by 8260B.
- b = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
- c = Secondary ion abundances were outside method requirements. Identification based on analytical judgment.

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 74121
10605 Foothill Boulevard
Oakland, California
(Page 1 of 6)

Sampling ID	Sampling Date	Depth (feet bgs)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	1,2-DCA (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	Lead (mg/kg)
SB1	03/19/04	11	---	---	---	---	---	---	---
SB2	03/19/04	18	---	---	---	---	---	---	---
SB3	03/19/04	5	---	---	---	---	---	---	---
SB4	03/19/04	5	---	---	---	---	---	---	---
SB5	05/26/05	5-5.5	---	---	---	---	---	---	---
SB5	05/26/05	17.5-18	---	---	---	---	---	---	---
SB5	05/26/05	24.5-25	---	---	---	---	---	---	---
SB6	05/26/05	5-5.5	---	---	---	---	---	---	---
SB6	05/26/05	19.5-20	---	---	---	---	---	---	---
SB6	05/26/05	21.5-22	---	---	---	---	---	---	---
SB6	05/26/05	24.5-25	---	---	---	---	---	---	---
SB7	05/26/05	5-5.5	---	---	---	---	---	---	---
SB7	05/26/05	18-18.5	---	---	---	---	---	---	---
SB7	05/26/05	22.5-23	---	---	---	---	---	---	---
SB7	05/26/05	24.5-25	---	---	---	---	---	---	---
SB8	05/26/05	5-5.5	---	---	---	---	---	---	---
SB8	05/26/05	17.5-18	---	---	---	---	---	---	---
SB8	05/26/05	21.5-22	---	---	---	---	---	---	---
SB8	05/26/05	24.5-25	---	---	---	---	---	---	---
SB9	05/27/05	5-5.5	---	---	---	---	---	---	---
SB9	05/27/05	18-18.5	---	---	---	---	---	---	---
SB9	05/27/05	19.5-20	---	---	---	---	---	---	---
SB9	05/27/05	24.5-25	---	---	---	---	---	---	---
SB10	05/27/05	5-5.5	---	---	---	---	---	---	---
SB10	05/27/05	17.5-18	---	---	---	---	---	---	---
SB10	05/27/05	24.5-25	---	---	---	---	---	---	---
SB11	05/27/05	5-5.5	---	---	---	---	---	---	---
SB11	05/27/05	18.5-19	---	---	---	---	---	---	---
SB11	05/27/05	24.5-25	---	---	---	---	---	---	---

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 74121
10605 Foothill Boulevard
Oakland, California
(Page 2 of 6)

Sampling ID	Sampling Date	Depth (feet bgs)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	1,2-DCA (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	Lead (mg/kg)
SB12	05/27/05	5-5.5	---	---	---	---	---	---	---
SB12	05/27/05	16.5-17	---	---	---	---	---	---	---
SB12	05/27/05	25.5-26	---	---	---	---	---	---	---
SB13	05/27/05	5-5.5	---	---	---	---	---	---	---
SB13	05/27/05	18.5-19	---	---	---	---	---	---	---
SB13	05/27/05	24.5-25	---	---	---	---	---	---	---
SB14	05/02/06	5-5.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB14	05/02/06	10-10.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB14	05/02/06	15-15.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB14	05/02/06	20-20.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB14	05/02/06	24.5-25	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB15	05/02/06	5-5.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB15	05/02/06	15-15.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB15	05/02/06	20-20.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB15	05/02/06	24.5-25	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB16	05/02/06	5-5.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB16	05/02/06	10-10.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB16	05/02/06	15-15.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB16	05/02/06	20-20.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB16	05/02/06	24.5-25	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB17	05/02/06	5.5-6	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB17	05/02/06	10-10.5	<25	<0.12	<0.12	<0.12	<0.12	<0.12	---
SB17	05/02/06	15-15.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB17	05/02/06	19.5-20	<250	<1.2	<1.2	<1.2	<1.2	<1.2	---
SB17	05/02/06	24.5-25	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB18	05/03/06	5-5.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB18	05/03/06	10-10.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB18	05/03/06	15-15.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB18	05/03/06	19.5-20	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB18	05/03/06	24.5-25	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB19	05/02/06	5-5.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB19	05/02/06	10-10.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB19	05/02/06	15-15.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 74121
10605 Foothill Boulevard
Oakland, California
(Page 3 of 6)

Sampling ID	Sampling Date	Depth (feet bgs)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	1,2-DCA (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	Lead (mg/kg)
SB19	05/02/06	20-20.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB19	05/02/06	24.5-25	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB20	05/02/06	5.5-6	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB20	05/02/06	10-10.5	<0.200	<0.051	<0.051	<0.051	<0.051	<0.051	---
SB20	05/02/06	15-15.5	<25	<0.12	<0.12	<0.12	<0.12	<0.12	---
SB20	05/02/06	19.5-20	<500	<2.5	<2.5	<2.5	<2.5	<2.5	---
SB20	05/02/06	23.5-24	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB21	05/02/06	8-8.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB21	05/02/06	13-13.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB21	05/02/06	18-18.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB21	05/02/06	19.5-20	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB21	05/02/06	23-23.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
SB21	05/02/06	24.5-25	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
V3	05/03/06	9.5-10	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
V4	05/03/06	5-5.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
V4	05/03/06	7.5-8	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
V5	05/03/06	5-5.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
V5	05/03/06	7.5-8	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
V8	05/03/06	5-5.5	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
V8	05/03/06	7.5-8	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
VW1	01/22/07	5.5-6	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
VW2	01/22/07	5.5-6	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
VW3	01/22/07	5.5-6	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
VW4	01/22/07	5.5-6	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
VW5	01/22/07	5.5-6	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
VW6	03/23/09	5.5-6	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0060	---
VW7	03/23/09	5.5-6	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0050	---

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 74121
10605 Foothill Boulevard
Oakland, California
(Page 4 of 6)

Sampling ID	Sampling Date	Depth (feet bgs)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	1,2-DCA (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	Lead (mg/kg)
VW8	03/23/09	5.5-6	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0050	---
VW9	03/23/09	5.5-6	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0050	---
VW10	03/23/09	5.5-6	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0050	---
VW11	03/23/09	5.5-6	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0050	---
VW12	03/23/09	5.5-6	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0050	---
MW1	01/23/07	6-6.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW1	01/23/07	8-8.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW1	01/23/07	10-10.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW1	01/23/07	11.5-12	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW1	01/23/07	12-12.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW1	01/23/07	14-14.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW1	01/23/07	15.5-16	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW1	01/23/07	16-16.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW1	01/23/07	17.5-18	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW1	01/23/07	18-18.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW1	01/23/07	19.5-20	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW1	01/23/07	20-20.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW1	01/23/07	22-22.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW2	01/23/07	6-6.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW2	01/23/07	8-8.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW2	01/23/07	10-10.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW2	01/23/07	12-12.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW2	01/23/07	14-14.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW2	01/23/07	15.5-16	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW2	01/23/07	16-16.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW2	01/23/07	18-18.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW2	01/23/07	19.5-20	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW2	01/23/07	20-20.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW2	01/23/07	21.5-22	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW2	01/23/07	22-22.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW2	01/23/07	23.5-24	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW2	01/23/07	24-24.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW2	01/23/07	26-26.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 74121
10605 Foothill Boulevard
Oakland, California
(Page 5 of 6)

Sampling ID	Sampling Date	Depth (feet bgs)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	1,2-DCA (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	Lead (mg/kg)
MW3	01/24/07	6-6.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW3	01/24/07	8-8.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW3	01/24/07	10-10.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW3	01/24/07	12-12.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW3	01/24/07	14-14.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW3	01/24/07	16-16.5	<0.0500	<0.00200	<0.00600	<0.00200	<0.00200	<0.00200	---
MW3	01/24/07	18-18.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW3	01/24/07	20-20.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW3	01/24/07	22-22.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW3	01/24/07	24-24.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW3	01/24/07	26-26.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW5	01/23/07	6-6.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW5	01/23/07	8-8.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW5	01/23/07	10-10.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW5	01/23/07	12-12.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW5	01/23/07	14-14.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW5	01/23/07	16-16.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW5	01/23/07	18-18.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW5	01/23/07	19.5-20	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW5	01/23/07	20-20.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW5	01/23/07	22-22.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW5	01/23/07	24-24.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
MW5	01/23/07	26-26.5	<0.0500	<0.00200	<0.00500	<0.00200	<0.00200	<0.00200	---
PB1	01/26/10	19.5-20	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0050	---
PB2	01/26/10	19.5-20	<5.0	<1.0	<1.0	<0.50	<1.0	<0.50	---
PB3	01/26/10	19.5-20	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0050	---
PB4	01/26/10	19.5-20	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0050	---
S1-E	02/16/10	15	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0050	---
S1-W	02/16/10	15	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0050	---
S2-E	02/17/10	15	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0050	---
S2-W	02/17/10	15	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0050	---

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 74121
10605 Foothill Boulevard
Oakland, California
(Page 6 of 6)

Sampling ID	Sampling Date	Depth (feet bgs)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	1,2-DCA (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	Lead (mg/kg)
S3-E	02/18/10	15	<5.0	<1.0	<1.0	<0.50	<1.0	<0.50	—
S3-W	02/18/10	15	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0050	—
S4-E	02/19/10	15	<10	<2.0	<2.0	<1.0	<2.0	<1.0	—
S4-W	02/19/10	15	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0050	—
S5-NE	02/26/10	15	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0050	—
S5-SE	02/26/10	15	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0050	—
Soil Stockpile Samples									
S-SP1 (1-4)	12/19/11	—	<0.050	<0.010	<0.010	<0.0050	<0.010	<0.0050	9.04

- Notes:
- TPHd = Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015B; prior to 2010, analyzed using EPA Method 8021B.
 - TPHg = Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B; prior to 2010, analyzed using EPA Method 8021B.
 - MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8015B; prior to April 2005, analyzed using EPA Method 8260B.
 - BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B, unless otherwise noted.
 - DIPE = Di-isopropyl ether analyzed using EPA Method 8260B.
 - ETBE = Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
 - TAME = Tertiary amyl methyl ether analyzed using EPA Method 8260B.
 - TBA = Tertiary butyl alcohol analyzed using EPA Method 8260B.
 - 1,2-DCA = 1,2-dichloroethane analyzed using EPA Method 8260B.
 - EDB = 1,2-dibromoethane analyzed using EPA Method 8260B.
 - Lead = Lead analyzed using EPA Method 6010B.
 - mg/kg = Milligrams per kilogram.
 - < = Less than the stated laboratory reporting limit.
 - = Not measured/Not sampled/Not analyzed.
 - a = Analyzed by EPA Method by 8260B.
 - b = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
 - c = Secondary ion abundances were outside method requirements. Identification based on analytical judgment.

TABLE 4
SOL VAPOR SAMPLE ANALYTICAL RESULTS
 Former Exxon Service Station 74121
 10805 Foothill Boulevard
 Oakland, California
 (Page 3 of 3)

Notes:	=	Greater than or equal to the most stringent, applicable, commercial environmental screening level.
Total	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method TO-3M.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method TO-3M.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method TO-15.
BTEX	=	Benzene, toluene, ethylbenzene, o-xylenes, and m-xylenes analyzed using EPA Method TO-15.
1,1-DFA	=	1,1-difluoroethane analyzed using EPA Method TO-15.
Methane	=	Methane analyzed using EPA Method 8015M; prior to 2011, analyzed using ASTM D-1946.
O ₂ + Ar	=	Oxygen plus argon analyzed using ASTM Method D- 1946.
EDB	=	1,2-dibromoethane analyzed using EPA Method TO-15.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method TO-15.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method TO-15.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method TO-15.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method TO-15.
DIPE	=	Di-isopropyl ether analyzed using EPA Method TO-15.
Etheriol	=	Etheriol analyzed using EPA Method TO-15.
Adff VOCs	=	Additional volatile organic compounds analyzed using EPA Method TO-15.
O ₂	=	Oxygen analyzed using ASTM 1945-46.
Vacuum	=	Vacuum measured using a vacuum gauge.
In Hg	=	Inches of mercury.
µg/m ³	=	Micrograms per meter cubed.
ND	=	Not detected.
<	=	Less than the stated laboratory reporting limit.
—	=	Not applicable/Not specified.
a	=	Soil vapor samples were collected without purging.
b	=	Soil vapor samples were not collected due to the presence of water.
c	=	Trimethylbenzene
d	=	1,2,4 Trimethylbenzene
e	=	Chloroform
f	=	1,3,5 Trimethylbenzene
g	=	Acetone.
h	=	Carbon disulfide.

TABLE 2 GROUNDWATER MONITORING DATA, FORMER EXXON RETAIL SITE 74121, 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Concentration (µg/L)												
						Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	MTBE	TBA	DIPE	ETBE	1,2-DCA	TAME	EDB
MW5	03/19/08	82.65	16.37	66.28	0.00	0.69	<0.50	<0.50	0.87	237	110 ^a	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW5	06/11/08	82.65	17.40	65.25	0.00	<0.50	<0.50	<0.50	0.65	83	77 ^a	<0.50	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW5	09/16/08	82.65	18.54	64.11	0.00	<0.50	<0.50	<0.50	<0.50	120	<47	<0.50	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW5	12/01/08	82.65	19.00	63.65	0.00	<0.50	<0.50	<0.50	<0.50	140	<47	<0.50	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW5	03/12/09	82.65	17.09	65.56	0.00	0.21 ^f	<0.50	<0.50	0.85 ^f	410	<50	<0.50	<10	<0.50	<0.50	<0.50	<0.50	0.19 ^f
MW5	08/12/09	82.65	18.71	63.94	0.00	0.55 ^g	<0.50	<0.50	<1.0	110	<50	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW5	03/26/10	82.65	16.96	65.69	0.00	<0.50	0.46 ^f	0.42 ^f	<1.0	210	<50	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW5	08/02/10	82.65	17.30	65.35	0.00	<0.50	<0.50	<0.50	<1.0	290 ^h	<50	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50

Notes: MTBE analyzed by EPA Method 8260B unless otherwise indicated.

- a Calibration verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
- b Laboratory control sample and/or laboratory control sample duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
- c Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.
- d The relative percent difference between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the higher value was reported.
- e Does not match typical pattern.
- f Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
- g Analyte presence was not confirmed by second column or GC/MS analysis.
- h 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.

- 1,2-DCA 1,2-Dichloroethane.
- DIPE Diisopropyl ether.
- EDB 1,2-Dibromoethane.
- ETBE Ethyl tertiary butyl ether.
- MTBE Methyl tertiary butyl ether.
- TAME Tertiary amyl methyl ether.
- TBA Tertiary butyl alcohol.
- TPH-d Total Petroleum Hydrocarbons as diesel analyzed by EPA Method 8015B.
- TPH-g Total Petroleum Hydrocarbons as gasoline analyzed by EPA Method 8015B.
- µg/L Micrograms per liter.

TABLE 2 GROUNDWATER SAMPLE ANALYTICAL RESULTS FOR TEMPORARY BORINGS,
FORMER EXXON RETAIL SITE 7-4121, 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Boring ID	Date	Depth to Water (feet bgs)	Concentration (µg/L)							
			Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	MTBE	VOCs
SB-1 W	03/19/04	13.3-16	250	22	310	71	3,200	4,200	<17 ^a	NA
SB-2 W	03/19/04	14-22	17	24	68	21	7,000	26,000	<17 ^a	NA
SB5	05/26/05	20 ^b	<0.5	<0.5	<0.5	<0.5	<50	341	<0.5	NA
SB6	05/26/05	22 ^b	<0.5	<0.5	<0.5	<0.5	<50	<56	<0.5	NA
SB7	05/26/05	19 ^b	<0.5	<0.5	<0.5	<0.5	<50	57	<0.5	NA
SB8	05/26/05	18 ^b	75.7	0.5	4.7	4.7	824	801	<0.5	NA
SB9	05/27/05	20 ^b	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5	NA
SB10	05/27/05	20 ^b	<0.5	<0.5	<0.5	0.7	54.5	<50	<0.5	NA
SB11	05/27/05	20 ^b	<0.5	<0.5	1.9	0.5	2,250	701	<0.5	NA
SB12	05/27/05	20 ^b	<0.5	0.5	1.0	<0.5	1,060	305	4.30	NA
SB13	05/27/05	20 ^b	<0.5	<0.5	0.6	<0.5	447	121	14.2	NA
SB14	05/02/06	20 ^b	1.89	<0.500	102	5.56	2,340	820 ^c	<0.500	ND
SB15	05/02/06	20 ^b	18.4	<0.500	42.6	4.16	831	440 ^c	<0.500	ND
SB16	05/02/06	20 ^b	30.3	0.820	410	11.3	5,940	1,700 ^c	<0.500	ND
SB17	05/02/06	20 ^b	2,140	1,400	4,690	11,100	60,800	7,500 ^c	<25.0	ND

TABLE 2 GROUNDWATER SAMPLE ANALYTICAL RESULTS FOR TEMPORARY BORINGS,
FORMER EXXON RETAIL SITE 7-4121, 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Boring ID	Date	Depth to Water (feet bgs)	Concentration (µg/L)							
			Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	MTBE	VOCs
SB18	05/03/06	20 ^b	<25.0	<25.0	159	<25.0	10,100	1,700 ^c	<25.0	ND
SB19	05/02/06	20 ^b	4.19	<0.500	5.78	6.29	3,100	720 ^c	<0.500	ND
SB20	05/02/06	20 ^b	3,240	53.2	3,670	4,170	41,800	4,300 ^c	<0.500	ND
SB21	05/02/06	22 ^b	<0.500	<0.500	<0.500	<0.500	1,390	440 ^c	83.3	ND

a Methyl tertiary butyl ether by EPA Method 8021B.
b Depth of grab groundwater sample.
c Hydrocarbon pattern is present within the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

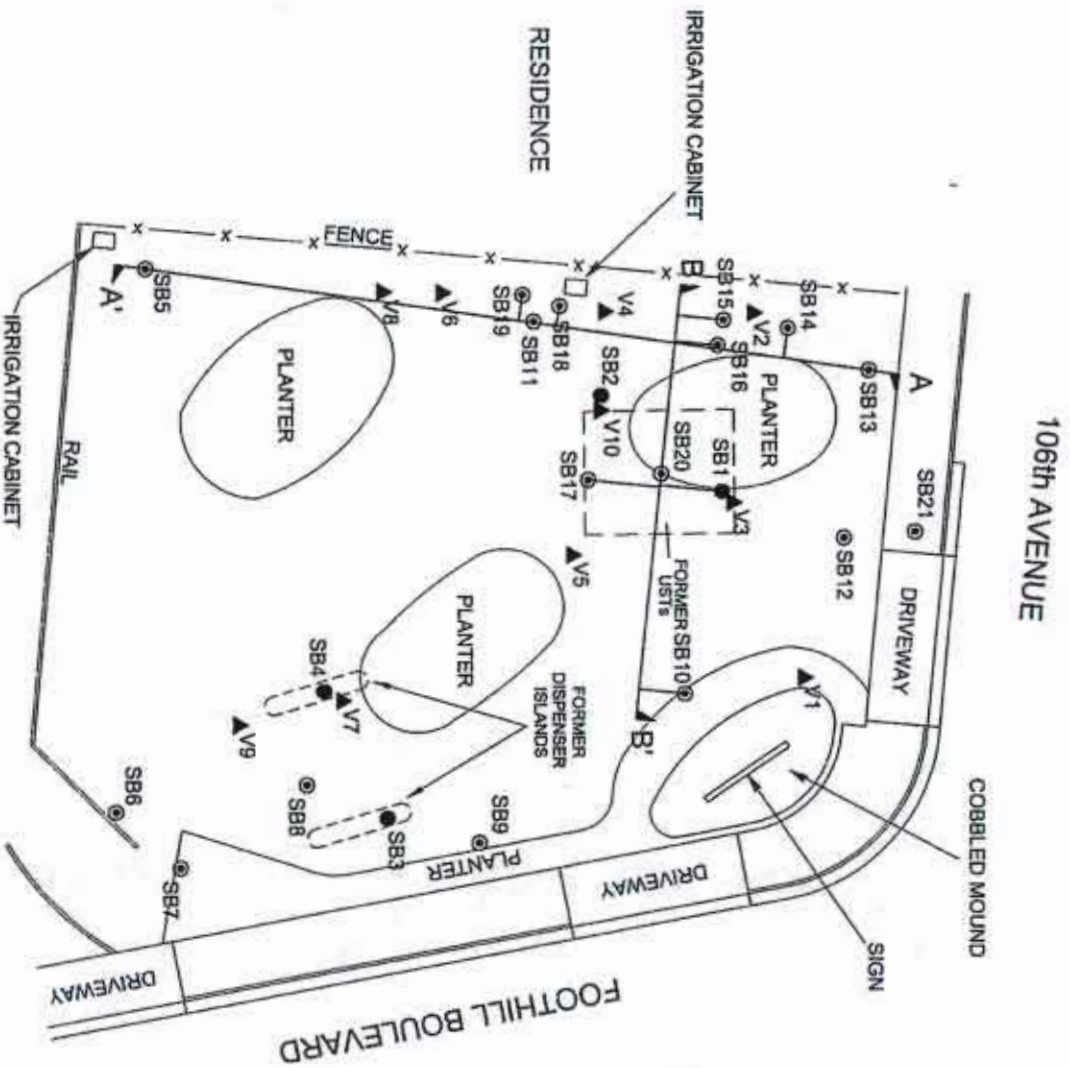
MTBE Methyl tertiary butyl ether analyzed by EPA Method 8260B unless otherwise indicated.
NA Not analyzed.
ND Not detected at or above laboratory reporting limits.
TPH-g Total Petroleum Hydrocarbons as gasoline analyzed by EPA Method 8015B.
TPH-d Total Petroleum Hydrocarbons as diesel analyzed by EPA Method 8015B.
VOCs Tert-amyl methyl ether, 1,2-dibromoethane, 1,2-dichloroethane, ethyl tert-butyl ether, diisopropyl ether, and tertiary butyl alcohol analyzed by EPA Method 8260B.

µg/L Micrograms per liter.

TABLE 2
WELL CONSTRUCTION DETAILS
Former Exxon Service Station 74121
10605 Foothill Boulevard
Oakland, California
(Page 1 of 1)

Well ID	Well Installation Date	Well Destruction Date	TOC Elevation (feet)	Well Casing Material	Total Depth (feet)	Well Depth (feet)	Borehole Diameter (inches)	Casing Diameter (inches)	Screened Interval (feet)	Slot Size (inches)	Filter Pack Interval (feet)	Filter Pack Material
MW1	01/23/07	---	82.47	PVC	26.5	25	8	2	10 - 25	0.010	8 - 25	#2/12 Sand
MW2	01/23/07	---	84.40	PVC	26.5	25	8	2	10 - 25	0.010	8 - 25	#2/12 Sand
MW3	01/24/07	---	83.25	PVC	26.5	25	8	2	10 - 25	0.010	8 - 25	#2/12 Sand
MW5	01/23/07	---	82.65	PVC	26.5	25	8	2	10 - 25	0.010	8 - 25	#2/12 Sand
VW1	01/22/07	---	---	Stainless Steel	6	6	6	0.25	5.25 - 5.75	0.0057	5 - 6	#2/12 Sand
VW2	01/22/07	---	---	Stainless Steel	6	6	6	0.25	5.25 - 5.75	0.0057	5 - 6	#2/12 Sand
VW3	01/22/07	---	---	Stainless Steel	6	6	6	0.25	5.25 - 5.75	0.0057	5 - 6	#2/12 Sand
VW3R	12/19/11	---	---	Stainless Steel	5	5	3.25	0.25	4.50 - 4.75	0.010	4 - 5	#2 Sand
VW4	01/22/07	---	---	Stainless Steel	6	6	6	0.25	5.25 - 5.75	0.0057	5 - 6	#2/12 Sand
VW4R	12/19/11	---	---	Stainless Steel	5	5	3.25	0.25	4.50 - 4.75	0.010	4 - 5	#2 Sand
VW5	01/22/07	---	---	Stainless Steel	6	6	6	0.25	5.25 - 5.75	0.0057	5 - 6	#2/12 Sand
VW6	03/23/09	---	---	Stainless Steel	6	6	6	0.25	5.25 - 5.75	0.0057	5 - 6	#2/12 Sand
VW7	03/23/09	Feb-10	---	Stainless Steel	6	6	6	0.25	5.25 - 5.75	0.0057	5 - 6	#2/12 Sand
VW8	03/23/09	Feb-10	---	Stainless Steel	6	6	6	0.25	5.25 - 5.75	0.0057	5 - 6	#2/12 Sand
VW9	03/23/09	---	---	Stainless Steel	6	6	6	0.25	5.25 - 5.75	0.0057	5 - 6	#2/12 Sand
VW10	03/23/09	---	---	Stainless Steel	6	6	6	0.25	5.25 - 5.75	0.0057	5 - 6	#2/12 Sand
VW11	03/23/09	---	---	Stainless Steel	6	6	6	0.25	5.25 - 5.75	0.0057	5 - 6	#2/12 Sand
VW11R	12/19/11	---	---	Stainless Steel	5	5	3.25	0.25	4.50 - 4.75	0.010	4 - 5	#2 Sand
VW12	03/23/09	---	---	Stainless Steel	6	6	6	0.25	5.25 - 5.75	0.0057	5 - 6	#2/12 Sand
VW12R	12/19/11	---	---	Stainless Steel	5	5	3.25	0.25	4.50 - 4.75	0.010	4 - 5	#2 Sand

Notes:
TOC = Top of well casing elevation. Elevation based on City of San Jose datum.
PVC = Polyvinyl chloride.
--- = Not applicable.



- LEGEND**
- Soil Boring (Installed by AEI 3/19/04)
 - ⊙ Direct Push Soil Boring (Installed by ETIC)
 - ▲ Soil Vapor Probe

Basemap Source: Morrow Surveying, 2006



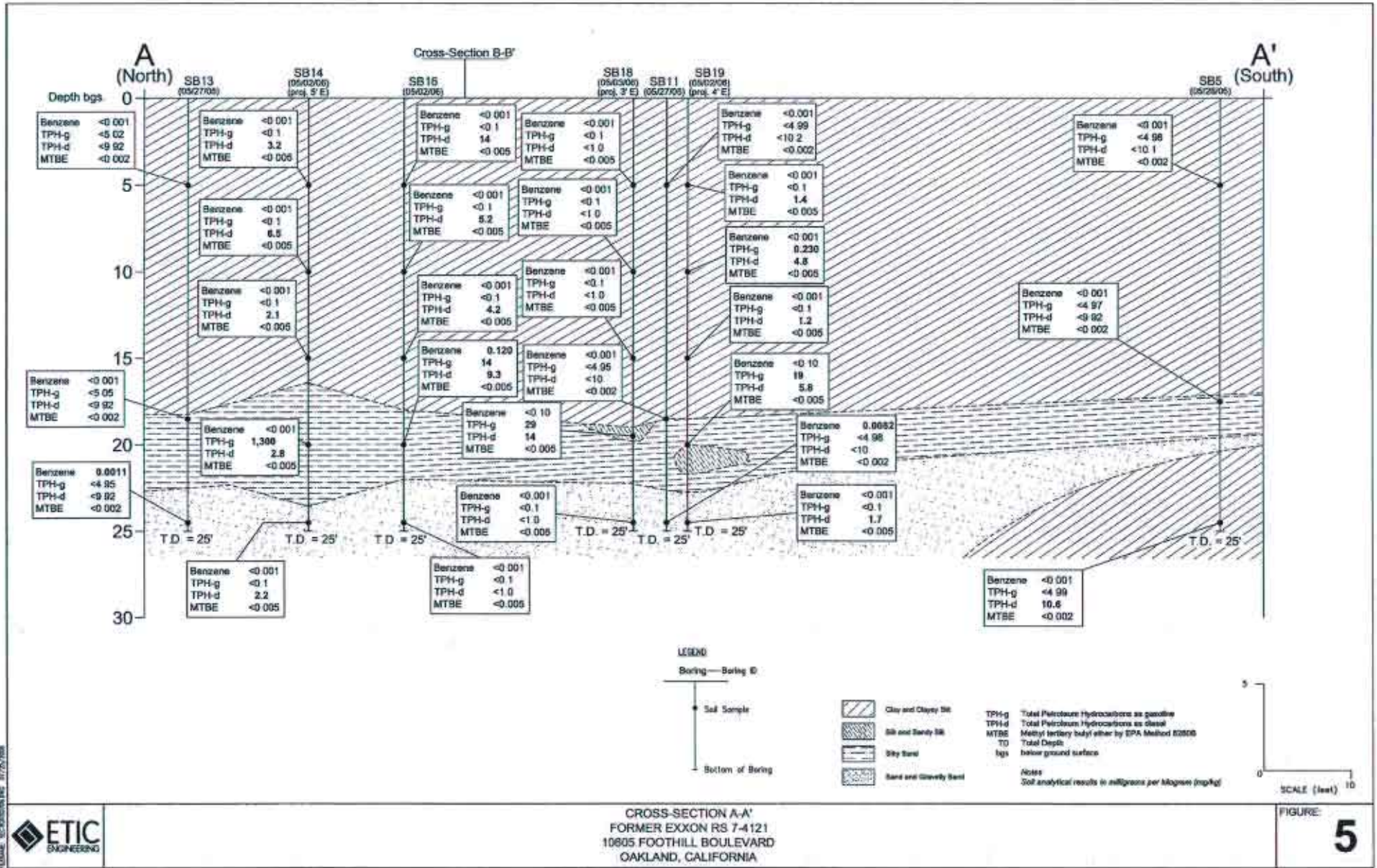
SITE PLAN SHOWING LINES OF CROSS-SECTION

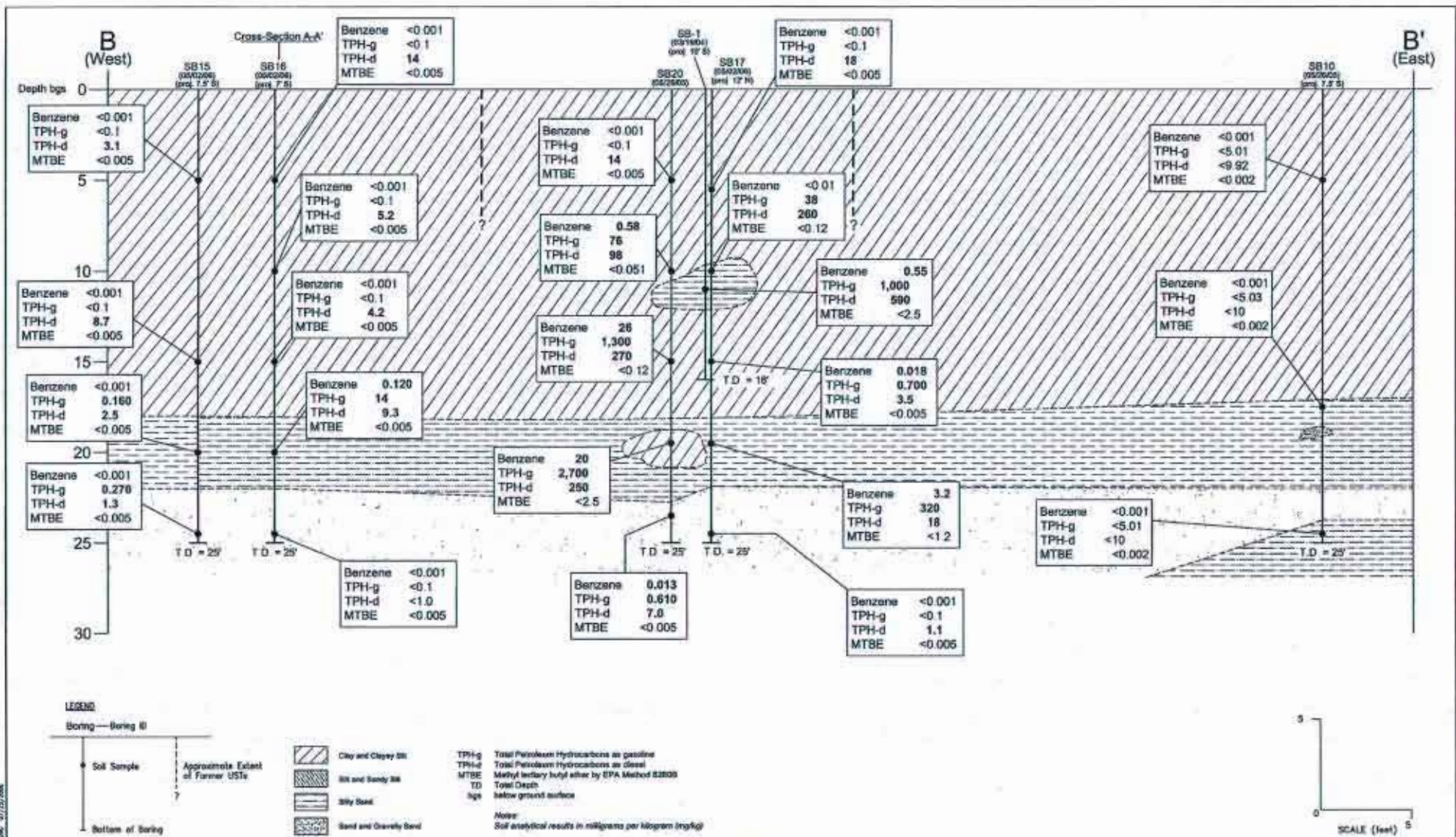
FORMER EXXON RS 7-4121
10605 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA



FIGURE:

4





CROSS-SECTION B-B'
 FORMER EXXON RS 7-4121
 10605 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

FIGURE:
6

RELEASE UNDER E.O. 13526



Project: MacArthur Boulevard Associates
Project Location: 10605 Foothill Boulevard,
Oakland
Project Number: 8311

Log of Boring SB-1
 Sheet 1 of 1

Dates/ Drilled 3/19/04	Logged By Peter McIntyre	Checked By Robert F. Flory
Drilling Method Direct Push	Drill Bit Size/Type	Total Depth of Borehole 16 feet bgs
Drill Rig Type GeoProbe	Drilling Contractor	Approximate Surface Elevation 100 feet amsl
Groundwater Level and Date Measured 13.3	Sampling Method(s) Tube (push)	Hammer Data
Borehole Backfill Cement Slurry	Location	

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\QDUE DIL INVESTIGATIONS and MISC SAMPLING\8311 PH II Log Phases Oakland - P.M.I.S.D1.bgs 1.cdl

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Graphic Log	MATERIAL DESCRIPTION	Well Log	REMARKS AND OTHER TESTS
100	0					Top Soil, wet		
						Sandy and gravelly clay, dark brown, medium stiff		
85	5							
			8'			Clayey sand, saturated		No Hydrocarbon (HC) odor; PID = 4.6 ppm
						Asphalt (debris ?)		
90	10					Silty sand, grey		Strong gas / diesel odor
			11'					
						Clay, beige	(ATD) $\frac{1}{2}$	Water in liners, moderate HC odor
85	15							Moderate gas odor
			14'					
			16'					
						Bottom of Boring at 16 feet bgs		
80	20							
75	25							
70	30							



Project: MacArthur Boulevard Associates
Project Location: 10605 Foothill Boulevard,
Project Number: 8311
Oakland

Log of Boring SB-2
 Sheet 1 of 1

Date(s) Drilled: 3/19/04	Logged By: Peter McIntyre	Checked By: Robert F. Flory
Drilling Method: Direct Push	Drill Bit Size/Type:	Total Depth of Borehole: 22 feet bgs
Drill Rig Type: GeoProbe	Drilling Contractor:	Approximate Surface Elevation: 100 feet amsl
Groundwater Level and Date Measured: 14	Sampling Method(s): Tube (push)	Hammer Data:
Borehole Backfill: Cement Slurry	Location:	

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\DL INVESTIGATIONS and MISC SAMPLING\0311 PH II Clay Phased Oakland - PJM\02.bgs (1.tpl)

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Graphic Log	MATERIAL DESCRIPTION	Well Log	REMARKS AND OTHER TESTS
100	0					Top Soil		
						Sandy and gravelly clay		
						Fine to medium sand, no fines		
95	5					Clay with sand and gravel, light brown		
						Color change at 8' to black / grey		
			8'					No Hydrocarbon (HC) odor; PID = < 1.0 ppm
90	10					Clay with very fine sand, stiff, olive / grey color		
			131'				(ATD) ✓	PID = 5.0 ppm
85	15							PID = 0.4 ppm, slight HC odor
			15'					
			18'					PID > 50 ppm; very strong HC odor
						Very fine to fine silty sand, saturated		
80	20							
						Bottom of Boring at 22 feet bgs		
75	25							
70	30							



Project: MacArthur Boulevard Associates
 Project Location: 10605 Foothill Boulevard,
 Oakland
 Project Number: 8311

Log of Boring SB-3
 Sheet 1 of 1

Date(s) Drilled: 3/19/04	Logged By: Peter McIntyre	Checked By: Robert F. Flory
Drilling Method: Direct Push	Drill Bit Size/Type:	Total Depth of Borehole: 8 feet bgs
Drill Rig Type: GeoProbe	Drilling Contractor:	Approximate Surface Elevation: 100 feet amsl
Groundwater Level and Date Measured: Not Encountered ATD	Sampling Method(s): Tube (push)	Hammer Data:
Borehole Backfill: Cement Slurry	Location:	

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\DUKE DL INVESTIGATIONS and MISC SAMPLING\8311 PH II Udy Phases Oakland - P.MR83.DWG 1.Lsp

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Graphic Log	MATERIAL DESCRIPTION	Well Log	REMARKS AND OTHER TESTS
100	0					Top Soil, wet Clay, stiff, brown to dark brown		
95	5		5'					No Hydrocarbon (HC odor; PID = <0.1 ppm
	8							No HC odor
						Bottom of Boring at 8 feet bgs		
90	10							
85	15							
80	20							
75	25							
70	30							



Project: MacArthur Boulevard Associates
 Project Location: 10605 Foothill Boulevard,
 Oakland
 Project Number: 8311

Log of Boring SB-4
 Sheet 1 of 1

Date(s) Drilled: 3/19/04	Logged By: Peter McIntyre	Checked By: Robert F. Flory
Drilling Method: Direct Push	Drill Bit Size/Type:	Total Depth of Borehole: 8 feet bgs
Drill Rig Type: GeoProbe	Drilling Contractor:	Approximate Surface Elevation: 100 feet amsl
Groundwater Level and Date Measured: Not Encountered ATD	Sampling Method(s): Tube (push)	Hammer Data:
Borehole Backfill: Cement Slurry	Location:	

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\DUQUE DL INVESTIGATIONS AND MISC. SAMPLING\0311 PH II Uay Phares Oakland - P1M\SB-4.bgs (.tpl)

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Graphic Log	MATERIAL DESCRIPTION	Well Log	REMARKS AND OTHER TESTS
100	0					Top Soil, wet Clay, stiff		
						Fine sand, dry Clay, stiff		
85	5		52			Fine sand		No Hydrocarbon (HC) odor; PID = <0.1 ppm
			8'					No HC odor
						Bottom of Boring at 8 feet bgs		
90	10							
85	15							
80	20							
75	25							
70	30							



ETIC

Engineering, Inc.

LOG OF SOIL BORING:

SB5

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

DRILLING COMPANY: Vironex

LICENSE NUMBER: C57-705927

CLIENT

Exxon Mobil Oil Corp.

SITE NUMBER

7-4121

LOCATION

10605 Foothill Blvd
Oakland, California

DRILLING AND SAMPLING METHODS

Borehole cleared to 5 feet bgs using a hand auger. 5400 Geoprobe Rig. Direct Push Technology (Micro-Core Sampling). Sampled with 4" liners.

WATER LEVEL \approx 14.7

TIME 1001

DATE 05/26/05

REFERENCE GS

START FINISH

TIME TIME
0925 1050

DATE DATE
5/26/05 5/26/05

INCHES		BLOWS / 8" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE RECOVERED	GRAPHIC LOG
DRIVEN	RECOVER							
				0				
				1				
				2				
				3				
				4				
36	36			5				
				6				
				7				
48	48			8				
				9				
			0.4	11				
48	48			12				
				13				
				14				
				15				
48	48			16				
				17				
			0.6	18				
				19				
				20				

SURFACE CONDITIONS

Top soil/Grass

DESCRIPTION BY:

H. Barry

SILTY CLAY, dark brown (7.5YR 3/2), soft, medium plasticity, damp.

Increase in firmness, some fine to medium sand.

CLAY, brown (7.5YR 5/3), hard, medium plasticity, some fine to very fine sand, organic traces, damp.

SANDY CLAY, yellowish brown (10YR 5/6), firm, medium plasticity, fine sand, damp.

SILTY SAND, yellowish brown (10YR 5/6), fine to very fine sand, low plastic to medium plastic fines, moist to wet.

SAND, dark yellowish brown (10YR 4/6), well graded fine to coarse sand.

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 05/26/05

INCHES				DEPTH (feet)	AIR SAMPLE WATER SAMPLE SOIL SAMPLE RECOVERED	GRAPHIC LOG	LOG OF SOIL BORING: SB5
DRIVEN	RECOVER	BLOWS / 6" SAMPLER	OVA READING				
48	48			21			moderate cementation, medium plastic fines, wet. SANDY CLAY, brown (10YR 4/3), hard, medium plasticity, fine to very fine sand, minor coarse sand, damp.
				22			
			0.9	23		CL	Organic traces.
12	12			24			Color change to dark yellowish brown; increase in hardness to very hard. Boring terminated at 25 feet bgs.
			0.6	25			
				26			
				27			
				28			
				29			
				30			
				31			
				32			
				33			
				34			
				35			
				36			
				37			
				38			
				39			
				40			
				41			
				42			
				43			
				44			
				45			

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.DDT 8/14/05

ETIC

Engineering, Inc.

LOG OF SOIL BORING:

SB6

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

DRILLING COMPANY: Vironex

LICENSE NUMBER: C57-705927

CLIENT Exxon Mobil Oil Corp.	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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DRILLING AND SAMPLING METHODS: Borehole cleared to 5 feet bgs using a hand auger. 5400 Geoprobe Rig. Direct Push Technology (Macro-Core Sampling). Sampled with 4" liners.

WATER LEVEL	13.6			START TIME	FINISH TIME
TIME	1200			1105	1240
DATE	05/26/05			DATE	DATE
REFERENCE	GS			5/26/05	5/26/05

INCHES		BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER									Top soil/Grass	
										DESCRIPTION BY: H. Barry	
				0						SILTY CLAY, very dark gray (10YR 3/1), firm, medium plasticity, some fine to medium sand, damp.	
				1							
				2							
				3							
				4							
	36	36	0.6	5							
				6						Color change to olive brown (2.5Y 4/4), hard.	
				7							
	48	48		8							
				9							
				10					CL		
			2.1	11						SANDY CLAY, yellowish brown (10YR 5/4), hard, medium plasticity, fine to medium sand, some coarse sand, damp.	
				12							
	48	48		13						Color change to dark yellowish brown (10YR 4/4), decrease in medium sand.	
				14							
				15							
			1.4	16							
	48	48		17							
				18							
				19							
				20						SILTY CLAY, light olive brown (2.5Y 5/4), soft to firm, medium plasticity, some fine sand, damp.	

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 5/16/05

INCHES				DEPTH (feet)	AIR SAMPLE WATER SAMPLE SOIL SAMPLE RECOVERED	GRAPHIC LOG	LOG OF SOIL BORING: SB6
DRIVEN	RECOVER	BLOWS / 9" SAMPLER	OVA READING				
24	24		2.0	21			SILTY SAND, olive gray (5Y 5/3), poorly graded fine sand, low plastic fines, wet.
				22			
36	36		0.8	23		SM	SILTY SAND, olive gray (5Y 5/2), fine to medium sand, minor coarse sand, low plastic fines, wet.
				24			
			1.0	25			Boring terminated at 25 feet bgs.
				26			
				27			
				28			
				29			
				30			
				31			
				32			
				33			
				34			
				35			
				36			
				37			
				38			
				39			
				40			
				41			
				42			
				43			
				44			
				45			

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 6/18/06



Engineering, Inc.

LOG OF SOIL BORING: SB7

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: Vironex
LICENSE NUMBER: C57-705927

CLIENT Exxon Mobil Oil Corp.	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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DRILLING AND SAMPLING METHODS: Borehole cleared to 5 feet bgs using a hand auger. 5400 Geoprobe Rig. Direct Push Technology (Macro-Core Sampling). Sampled with 4" liners.

WATER LEVEL	± 13.4				
TIME	1358			START TIME 1244	FINISH TIME 1437
DATE	05/26/05			DATE 5/26/05	DATE 5/26/05
REFERENCE	GS				

INCHES		BLOWS / B* SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER								Top soil/Grass	
									DESCRIPTION BY: H. Barry	
				0					SILTY CLAY, very dark gray (10YR 3/1), firm, medium plasticity, fine to coarse sand, damp.	
				1						
				2						
				3						
				4						
36	36	-	2.2	5				CL	Color change to olive brown (2.5Y 4/3), hard.	
				6					SILTY CLAY, light olive brown (2.5Y 5/4), hard, medium plasticity, fine sand, damp.	
				7						
48		-		8						
	36	-		9						
				10					CLAYEY SAND, light olive brown (2.5y 5/3), fine to coarse sand, medium plastic fines, rare angular gravel to 1" diameter, damp.	
				11						
36	36	-	1.8	12					Change to very fine to fine sand.	
				13				SC		
				14						
48	48	-	1.2	15					SILTY SANDY CLAY, yellowish brown (10YR 5/4), very hard, medium plasticity, very fine to fine sand, damp.	
				16						
				17				CL		
				18						
			1.7	19					CLAYEY SAND, yellowish brown (10YR 5/4), fine sand, some medium sand, medium plastic fines, moist to wet.	
48	48	-		20				SC		

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 6/28/05

INCHES				DEPTH (feet)	AIR SAMPLE WATER SAMPLE SOIL SAMPLE RECOVERED	GRAPHIC LOG	LOG OF SOIL BORING: SB7
DRIVEN	RECOVER	BLOWS / 8" SAMPLER	OVA READING				
				21		SC	Wet.
				22			SILTY SAND, olive gray (5Y 4/2), very fine to fine sand, low plastic fines, wet.
24	24			23		SM	
				24			SILTY SAND, dark yellowish brown (10YR 4/6), fine to medium sand, some coarse sand, non-plastic fines, wet.
			2.1	25			Boring terminated at 25 feet bgs.
				26			
				27			
				28			
				29			
				30			
				31			
				32			
				33			
				34			
				35			
				36			
				37			
				38			
				39			
				40			
				41			
				42			
				43			
				44			
				45			

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 6/28/06

ETIC

Engineering, Inc.

LOG OF SOIL BORING: SB8

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: Vironex
LICENSE NUMBER: C57-705927

CLIENT Exxon Mobil Oil Corp.	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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DRILLING AND SAMPLING METHODS: Borehole cleared to 5 feet bgs using a hand auger. 5400 Geoprobe R6g. Direct Push Technology (Macro-Core Sampling). Sampled with 4" liners.

WATER LEVEL	15.3			START TIME	FINISH TIME
TIME	1516			1440	1600
DATE	05/26/05			DATE	DATE
REFERENCE	GS			5/26/05	5/26/05

INCHES				DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER	BLOWS / 8" SAMPLER	OVA READING							Top soil/Grass	
				0						DESCRIPTION BY: H. Barry	
				1						SILTY CLAY, very dark gray (10YR 3/1), hard, medium plasticity, fine sand, some coarse sand, damp.	
				2							
				3							
				4							
36	36		2.1	5							
				6							
				7							
				8						CLAY, light olive brown (2.5Y 5/3), hard, medium plasticity, some fine sand, damp.	
36	36			9						CL	
				10						Color change to olive (5Y 5/6), very hard.	
36	36		1.8	11							
				12							
				13							
48	48			14							
				15						SILTY CLAY, light olive brown (2.5Y 5/4), hard, medium plasticity, some fine sand, damp.	
				16							
				17						Color change to olive (5Y 5/3), firm.	
				18						Moist.	
48	48		3.2	18							
				19						CLAYEY SAND, olive gray (5Y 5/2), fine sand, some medium sand, low to medium plastic fines, wet.	
				20						SC	

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 8/28/05

INCHES				DEPTH (feet)	AIR SAMPLE WATER SAMPLE SOIL SAMPLE RECOVERED	GRAPHIC LOG	LOG OF SOIL BORING: SB8
DRIVEN	RECOVER	BLOWS / 6" SAMPLER	OVA READING				
				21		SC	SILTY SAND, olive (5Y 4/3), fine sand, non-plastic fines, some medium sand, wet.
				22		SM	
12	12	-		23			Fine to medium sand.
24	24	-		24		SW	SAND, dark gray (5Y 4/1), well graded very fine to medium sand, some coarse sand, loose, non-plastic fines, wet.
			152	25			Boring terminated at 25 feet bgs.
				26			
				27			
				28			
				29			
				30			
				31			
				32			
				33			
				34			
				35			
				36			
				37			
				38			
				39			
				40			
				41			
				42			
				43			
				44			
				45			

LOG OF SOIL BORING 7-4121 LOG06.GPJ ETIC.GDT 8/28/05



Engineering, Inc.

CLIENT Exxon Mobil Oil Corp.	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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DRILLING AND SAMPLING METHODS: Borehole cleared to 5 feet bgs using a hand auger. 5400 Geoprobe Rig. Direct Push Technology (Macro-Core Sampling). Sampled with 4" liners.

LOG OF SOIL BORING: **SB9**

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

WATER LEVEL	g 10.8			
TIME	0826		START TIME	FINISH TIME
DATE	05/27/05		0746	0900
REFERENCE	GS		DATE	DATE
			5/27/05	5/27/05

DRILLING COMPANY: Vironex
LICENSE NUMBER: C57-705927

INCHES		BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER									Top soil/Grass	
										DESCRIPTION BY: H. Barry	
				0						SILTY CLAY, yellowish brown (10YR 5/4), firm, medium plasticity, some fine to medium sand, damp.	
				1							
				2							
				3							
				4							
				5							
36	36		1.8	6							
				7							
				8						Color change to dark yellowish brown (10YR 4/4), hard, some coarse sand.	
48	48			9					CL		
				10						SILTY SANDY CLAY, brown (7.5YR 5/4), light olive brown (2.5Y 5/3), firm, crumbly, low plasticity, fine sand, some medium sand, damp.	
				11							
			1.2	12							
48	48			13							
				14							
				15							
			1.8	16						SANDY CLAY, light olive brown (2.5Y 5/3), hard, medium plasticity, fine to very fine sand, damp.	
48	48			17							
				18						CLAYEY SAND, olive gray (5Y 4/2), well graded fine sand, medium to low plastic fines, moist.	
				19					SC		
				20						Some coarse sand.	
				20					SW	SAND, olive (5Y 4/3), well graded fine to coarse sand, loose, low plastic fines, wet.	

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETC.GDT 6/28/05

INCHES				DEPTH (feet)	AIR SAMPLE WATER SAMPLE SOIL SAMPLE RECOVERED	GRAPHIC LOG	LOG OF SOIL BORING: SB9
DRIVEN	RECOVER	BLOWS / 6" SAMPLER	OVA READING				
48			1.2	21		SW	SILTY SAND, olive (5Y 4/3), poorly graded fine sand, some medium to coarse sand, low plastic fines, wet.
	42			22			
			1.5	23		SM	Coarse sand content increases. GRAVELLY SAND, olive gray (5Y 4/2), fine to coarse sand, rounded gravel to 1.25" diameter, non-plastic fines, loose, wet.
				24			
12	12		18.1	25		SW	Boring terminated at 25 feet bgs.
				26			
				27			
				28			
				29			
				30			
				31			
				32			
				33			
				34			
				35			
				36			
				37			
				38			
				39			
				40			
				41			
				42			
				43			
				44			
				45			

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 6/28/05

ETIC

Engineering, Inc.

CLIENT Exxon Mobil Oil Corp.	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
DRILLING AND SAMPLING METHODS Borehole cleared to 5 feet bgs using a hand auger. 5400 Geoprobe Rig Direct Push Technology (Macro-Core Sampling). Sampled with 4" liners.		
LOG OF SOIL BORING: SB10	WATER LEVEL 11.2	START TIME 0914
COORDINATES: ELEVATION TOP OF CASING: CASING BELOW SURFACE:	TIME 1000	FINISH TIME 1055
DRILLING COMPANY: Vironex LICENSE NUMBER: C57-705927	DATE 05/27/05	DATE 5/27/05
	REFERENCE GS	DATE 5/27/05

INCHES				DEPTH (feet)	SURFACE CONDITIONS
DRIVEN	RECOVER	BLOWS / 8" SAMPLER	OVA READING		
				0	Top soil/Grass
				1	SANDY CLAY, dark grayish brown (10YR 4/2), firm, medium plasticity, fine to medium sand, some coarse sand, some subrounded gravel to 1.5" diameter, damp.
				2	
				3	
				4	
				5	Color change to brown (7.5YR 4/3), firm.
36	36		2.8	6	SILTY CLAY, yellowish brown (10YR 5/4), firm, medium plasticity, some fine sand, damp.
				7	
48	48			8	CL
				9	
				10	
				11	SANDY CLAY, light olive brown (2.5Y 5/4), hard, medium plasticity, fine to medium fine sand, some coarse sand, organic traces, damp.
			2.4	12	Color change to brown (7.5YR 4/4).
48	48			13	
				14	
			3.0	15	
48	48			16	SILTY SAND, olive (5Y4/3), very fine to fine sand, medium plastic fines, damp.
				17	
			2.5	18	SM
				19	Moist to wet. SAND, olive gray (5Y 5/2), well graded fine to coarse sand, non-plastic fines, loose, wet.
				20	SILTY SAND, olive (5Y 4/3), very fine to fine sand, medium plastic fines, wet.

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 8/28/05

INCHES				DEPTH (feet)	LOG OF SOIL BORING: SB10
DRIVEN	RECOVER	BLOWS / 6" SAMPLER	OVA READING		
48	48			21	SM
				22	
			0.3	23	SW
12	10		1.1	24	SM
				25	
				26	
				27	
				28	
				29	
				30	
				31	
				32	
				33	
				34	
				35	
				36	
				37	
				38	
				39	
				40	
				41	
				42	
				43	
				44	
				45	

SAND, dark gray (5Y 4/1), well graded fine to coarse sand, some subrounded gravel to 1" diameter, non-plastic fines, loose, wet.

SILTY SAND, olive gray (5Y 5/2), fine sand, some medium sand, low plastic fines, wet.

Boring terminated at 25 feet bgs.

LOG OF SOIL BORING 7-4121 LOGS.OPJ ETIC.GDT 6/26/05

ETIC

Engineering, Inc.

CLIENT Exxon Mobil Oil Corp.	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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LOG OF SOIL BORING: **SB11**

DRILLING AND SAMPLING METHODS: Borehole cleared to 5 feet bgs using a hand auger, 5400 Geoprobe Rtg. Direct Push Technology (Macro-Core Sampling). Sampled with 4" liners.

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

WATER LEVEL	∇ 12.3			START TIME	FINISH TIME
TIME	1137			1102	1214
DATE	05/27/05			DATE	DATE
REFERENCE	GS			5/27/05	5/27/05

DRILLING COMPANY: Vironex
LICENSE NUMBER: C57-705927

INCHES		BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER									Top soil/Grass	
DESCRIPTION BY:										H. Barry	
				0						SANDY CLAY, brown (10YR 4/3), firm, medium plasticity, fine to coarse sand, damp.	
				1							
				2							
				3							
				4							
	36	36	1.6	5							
				6						SILTY CLAY, yellowish brown (10YR 5/4), hard, medium plasticity, some very fine to fine sand, damp.	
				7							
	48	48	1.9	8							
				9					CL		
				10							
				11							
	48	48	∇	12						SANDY CLAY, dark yellowish brown (10YR 4/6), hard, medium plasticity, fine to very fine sand, damp.	
				13							
				14							
				15							
	48	48	4.7	16						Color change to olive (5Y 4/3), firm.	
				17							
				18							
				19						SILTY SAND, olive (5Y 4/3), very fine to fine sand, low plastic fines, moist to wet.	
			6.6	20					SM		

LOG OF SOIL BORING 7-4121 LO05.OPJ ETIC.GDT 6/28/06

				LOG OF SOIL BORING: SB11			
INCHES DRIVEN	INCHES RECOVER	BLOWS / 8" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE WATER SAMPLE SOIL SAMPLE RECOVERED	GRAPHIC LOG	
			7.7	22		SM	
				23			
				24			Rare coarse sand.
12	10		5.9	25			Fine to medium sand, non-plastic fines.
				26			Boring terminated at 25 feet bgs.
				27			
				28			
				29			
				30			
				31			
				32			
				33			
				34			
				35			
				36			
				37			
				38			
				39			
				40			
				41			
				42			
				43			
				44			
				45			

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 6/28/05

ETIC

Engineering, Inc.

LOG OF SOIL BORING: SB12

COORDINATES:
 ELEVATION TOP OF CASING:
 CASING BELOW SURFACE:

DRILLING COMPANY: Vironex
 LICENSE NUMBER: C57-705927

CLIENT Exxon Mobil Oil Corp.	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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DRILLING AND SAMPLING METHODS: Borehole cleared to 5 feet bgs using a hand auger. 5400 Geoprobe Rig. Direct Push Technology (Macro-Core Sampling). Sampled with 4" liners.

WATER LEVEL	± 14.4			START TIME	FINISH TIME
TIME	1356			1218	1441
DATE	05/27/05			DATE	DATE
REFERENCE	GS			5/27/05	5/27/05

INCHES		BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER								Top soil/Grass	
				0					DESCRIPTION BY: H. Barry	
				1					SANDY CLAY, dark gray (2.5Y 4/1), firm, medium plasticity, fine to coarse sand, some subangular gravel to 1" diameter, damp.	
				2						
				3						
				4						
				5					Change to dark olive brown (2.5Y 4/4), hard, fine sand.	
36	36		2.6	6						
				7						
				8						
24	24			9				CL	SILTY CLAY, yellowish brown (10YR 5/8), hard to very hard, medium plasticity, some fine to very fine sand, damp.	
				10						
12	12		4.1	11						
				12						
24	24		4.1	13						
				14						
48	48		2.6	15					Color change to olive (5Y 5/3).	
				16						
				17						
36	34			18				SM	SILTY SAND, olive (5Y 4/3), very fine to fine sand, low plastic fines, moist to wet.	
				19						
				20						

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 6/26/05

LOG OF SOIL BORING:
SB12

INCHES		BLOWS / 8" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE WATER SAMPLE SOIL SAMPLE RECOVERED	GRAPHIC LOG
DRIVEN	RECOVER					
48	48		7.3	21		
				22		SM
			8.8	23		
				24		
24	24			25		SW
				26		
			5.1	27		
				28		
				29		
				30		
				31		
				32		
				33		
				34		
				35		
				36		
				37		
				38		
				39		
				40		
				41		
				42		
				43		
				44		
				45		

Fine to medium sand, some coarse sand, wet.

SAND, olive gray (5Y 5/2), well graded fine to coarse sand, some subrounded to rounded gravels to 1.25" diameter, non-plastic fines, loose, wet.

Color change to brown (10YR 4/3).

Boring terminated at 26 feet bgs.

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 6/28/05

ETIC

Engineering, Inc.

LOG OF SOIL BORING: SB13

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: Vironex
LICENSE NUMBER: C57-705927

CLIENT Exxon Mobil Oil Corp.	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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DRILLING AND SAMPLING METHODS: Borehole cleared to 5 feet bgs using a hand auger. 5400 Geoprobe Rig. Direct Push Technology (Macro-Core Sampling). Sampled with 4" Inners.

WATER LEVEL	z 14.6			
TIME	1521		START TIME 1445	FINISH TIME 1455
DATE	05/27/05		DATE 5/27/05	DATE 5/27/05
REFERENCE	GS			

INCHES		BLOWS / 8" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER								Top soil/Grass	
									DESCRIPTION BY: H. Barry	
				0					SANDY CLAY, olive brown (2.5Y 4/3), firm, medium plasticity, fine to medium sand, some coarse sand, damp.	
				1						
				2						
				3						
				4					Color change to light yellowish brown (10YR 5/4), hard.	
36	36		2.9	5						
				6						
				7					SANDY CLAY, brown (10YR 4/3), hard, medium plasticity, fine sand, damp.	
48				8						
	32			9				CL		
				10						
			2.9	11						
48	48			12						
				13						
				14						
				15					Color change to olive (5Y 4/3).	
48	48		6.5	16						
				17						
				18						
			4.7	19				SC	CLAYEY SAND, olive (5Y 4/3), fine sand, firm to soft, low plasticity, wet.	
				20						

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 6/28/05

INCHES		BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE WATER SAMPLE SOIL SAMPLE RECOVERED	GRAPHIC LOG	LOG OF SOIL BORING: SB13
DRIVEN	RECOVER						
48	48			21		SM	SILTY SAND, olive gray (5Y 5/2), fine sand, loose, non-plastic fines, wet.
				22			
			5.4	23		SW	Some medium to coarse sand. SAND, olive gray (5Y 5/2), well graded fine to coarse sand, loose, non-plastic fines, wet.
12	12			24			
			6.5	25			Color change to dark yellowish brown (10YR 4/6), subrounded gravel to 1.25" diameter. Boring terminated at 25 feet bgs.
				26			
				27			
				28			
				29			
				30			
				31			
				32			
				33			
				34			
				35			
				36			
				37			
				38			
				39			
				40			
				41			
				42			
				43			
				44			
				45			

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 8/28/05

ETIC

Engineering, Inc.

LOG OF SOIL BORING: **SB14**

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: Vironex
LICENSE NUMBER: C57-705927

CLIENT Exxon Mobil Oil Corp.	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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DRILLING AND SAMPLING METHODS: Borehole cleared to 4 feet bgs using a hand auger. Advanced with a limited access direct-push rig using 5-foot-long acetate macro-core liners

WATER LEVEL	11.0	START TIME	0845	FINISH TIME	1000
TIME	0915	DATE	05/02/06	DATE	5/2/06
DATE	05/02/06	DATE	5/2/06	DATE	5/2/06
REFERENCE	GS				

INCHES				DEPTH (feet)	SURFACE CONDITIONS
DRIVEN	RECOVER	BLOWS / 6" SAMPLER	OVA READING		
				0	Top soil/Grass
				1	DESCRIPTION BY: E. Appel SILTY CLAY, dark olive brown (2.5Y 3/3), soft, low plasticity, some fine sand, moist to dry. Color change to yellowish brown (10YR 5/6).
				2	
				3	
				4	
60	60		2.2	5	
				6	CL SILTY CLAY W/ SAND, yellowish brown (10YR 5/6) mottled with red and gray, stiff to very stiff, low plasticity, fine to medium grained sand, moist. Decrease in sand content Change to no sand content
				7	
				8	
				9	
60	60		0.5	10	
				11	SM SILTY CLAY, olive gray (5Y 4/2), soft, moderate plasticity, some coarse sand, moist. SILTY SAND, olive (5Y 4/4), medium dense, fine grained, very moist to wet.
				12	
				13	
				14	
60	60		0.3	15	
				16	
				17	
				18	
				19	
				20	

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/08

INCHES				DEPTH (feet)	LOG OF SOIL BORING: SB14
DRIVEN	RECOVER	BLOWS / 6" SAMPLER	OVA READING		
60	60		35	21	SM
				22	
				23	SP
				24	
				25	Boring terminated at 25 feet bgs
				26	
				27	
				28	
				29	
				30	
				31	
				32	
				33	
				34	
				35	
				36	
				37	
				38	
				39	
				40	
				41	
				42	
				43	
				44	
				45	

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06



Engineering, Inc.

LOG OF SOIL BORING: **SB15**

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: Vironex
LICENSE NUMBER: C57-705927

CLIENT Exxon Mobil Oil Corp.	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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DRILLING AND SAMPLING METHODS: Borehole cleared to 4 feet bgs using a hand auger. Advanced with a limited access direct-push rig using 5-foot-long acetate macro-core liners.

WATER LEVEL	13.0	START TIME	FINISH TIME
TIME	1130	1000	1200
DATE	05/02/06	DATE	DATE
REFERENCE	GS	5/2/06	5/2/06

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	DESCRIPTION BY:
										Top soil/Grass	E. Appel

				0						CLAY W/ SILT, very dark grayish brown (10YR 5/2), medium stiff to soft, moderate plasticity, moist.
				1						
				2						
				3						
				4						SILTY CLAY, brown (10YR 4/3), stiff to medium stiff, low plasticity, trace medium grained sand, moist.
60	60	.	1.3	5	X				CL	
		.		6						
		.		7						
		.		8						
		.		9						
60	60	.	1.4	10	X					Increase in stiffness to very stiff, some caliche deposits.
		.		11						
		.		12						
		.		13						CLAYEY SILT/SILTY CLAY, olive (5Y 4/4), stiff to medium stiff, low plasticity, moist.
		.		14						
60	60	.	1.3	15	X				ML/CL	
		.		16						
		.		17						
		.		18						CLAYEY SILT/SILTY CLAY, olive (5Y 4/4), stiff to medium stiff, low plasticity, moist.
		.		19						SILTY SAND TO SAND W/ SILT, olive (5Y 4/4), dense, fine grained sand, very moist.
		.		20					SP-SM	Change to wet

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/3/06

				LOG OF SOIL BORING: SB15			
INCHES DRIVEN	INCHES RECOVER	BLOWS / 8" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE WATER SAMPLE SOIL SAMPLE RECOVERED	GRAPHIC LOG	
				22			Interbedded sand and silt. 4" thick from 21 to 23 feet bgs
				23			
				24			
			1 4	25			Boring terminated at 25 feet bgs
				26			
				27			
				28			
				29			
				30			
				31			
				32			
				33			
				34			
				35			
				36			
				37			
				38			
				39			
				40			
				41			
				42			
				43			
				44			
				45			

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/3/08



Engineering, Inc.

LOG OF SOIL BORING: **SB16**

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: Vironex
LICENSE NUMBER: C57-705927

CLIENT Exxon Mobil Oil Corp.	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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DRILLING AND SAMPLING METHODS: Borehole cleared to 4 feet bgs using a hand auger. Advanced with a limited access direct-push rig using 5-foot-long acetate macro-core liners.

WATER LEVEL	11.0	START TIME	FINISH TIME
TIME	1300	1100	1330
DATE	05/02/06	DATE	DATE
REFERENCE	GS	5/2/06	5/2/06

INCHES		BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER								Top soil/Grass	
									DESCRIPTION BY: E. Appel	
				0					SILTY CLAY, brown (10YR 4/3), stiff to very stiff. low plasticity, some fine to medium grained sand. moist	
				1						
				2						
				3						
				4						
60	60		0.8	5						
				6						
				7						
				8						
				9						
				10				CL	Some gravel, subangular to 0.5" diameter	
60	60		3.2	11					Wet	
				12						
				13						
			1.2	14					Color change to olive (10YR 4/3)	
				15						
60	60		3.8	16						
				17						
				18						
				19						
				20				SM	SILTY SAND, olive (10YR 4/4). medium dense, fine grained, moist to very moist	

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06



CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp.	7-4121	10605 Foothill Blvd Oakland, California

INCHES				DEPTH (feet)	AIR SAMPLE WATER SAMPLE SOIL SAMPLE RECOVERED	GRAPHIC LOG	LOG OF SOIL BORING: SB16
DRIVEN	RECOVER	BLOWS / 6" SAMPLER	OVA READING				
60	60		24.3	21		SM	SILTY SAND, olive (10YR 4/4), medium dense, fine grained. moist to very moist
				22			SAND, dark olive gray (5Y 3/2), medium dense, subrounded to subangular, medium grained with some fine grains. wet
				23		SP	
				24			
			10	25			Boring terminated at 25 feet bgs
				26			
				27			
				28			
				29			
				30			
				31			
				32			
				33			
				34			
				35			
				36			
				37			
				38			
				39			
				40			
				41			
				42			
				43			
				44			
				45			

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06

ETIC

Engineering, Inc.

LOG OF SOIL BORING: **SB17**

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: TEG
LICENSE NUMBER: C57-706568

CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp.	7-4121	10605 Foothill Blvd Oakland, California

DRILLING AND SAMPLING METHODS: Cleared via air-knife and vacuum rig by Cascade Drilling to 4 feet bgs. Advanced using a truck mounted geoprobe with dual-tube direct-push technology. Sampled with 4-foot-long acetate liners.

WATER LEVEL	13.0	START TIME	0840	FINISH TIME	1015
TIME	0946	DATE	05/02/06	DATE	5/2/06
DATE	05/02/06	REFERENCE	GS	DATE	5/2/06

INCHES		BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AET SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER									Top soil/Grass	
DESCRIPTION BY:										T. Iob	
				0						SILTY CLAY, dark olive brown (2.5Y 3/3), soft, firm, low plasticity, some fine sand, moist to dry	
				1							
				2							
				3							
48	48			4					CL	Moderate fine to medium sand	
				5							
			3.6	6							
				7							
48	48			8							
				9							
			4.0	10					SM	SILTY SAND, dark gray (2.5Y 4/1), medium dense, fine to medium sand, moist	
				11					SP	SAND, dark gray (2.5Y 4/1), medium dense, fine sand with trace coarse sand, moist	
				12						SILTY CLAY, light olive brown (2.5Y 5/4), stiff, low plasticity, trace fine sand, moist to dry	
48	48			13					CL		
				14						Color change to dark olive gray (5Y 3/2)	
			9.6	15							
				16					ML	CLAYEY SILT, olive gray (5Y 4/2), soft, very low plasticity, trace fine sand, moist	
48	48			17							
				18					CL	SILTY CLAY, olive gray (5Y 4/2), soft, low plasticity, trace fine sand, moist	
				19					SC	Some fine sand	
				20					ML	CLAYEY SAND, olive gray (5Y 4/2), loose, non-plastic, fine sand, moist	
				21					ML	CLAYEY SILT, same as above	
				22					SM	SILTY SAND, olive gray (5Y 4/2), medium dense, fine sand, moist	

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06

INCHES				DEPTH (feet)	AIR SAMPLE WATER SAMPLE SOIL SAMPLE RECOVERED	GRAPHIC LOG	LOG OF SOIL BORING: SB17
DRIVEN	RECOVER	BLOWS / 8" SAMPLER	OVA READING				
48	48	-	149	21		SM	SILTY SAND. olive gray (5Y 4/2), medium dense. fine sand, moist Wet
		-		22			
		-		23		SP	SAND. dark olive gray (5Y 3/2). loose. fine to subangular coarse sand. wet
		-		24			
12	12	-	2.6	25		SW	SAND, same as above with some gravel to 0.5" diameter Boring terminated at 25 feet bgs.
		-		26			
		-		27			
		-		28			
		-		29			
		-		30			
		-		31			
		-		32			
		-		33			
		-		34			
		-		35			
		-		36			
		-		37			
		-		38			
		-		39			
		-		40			
		-		41			
		-		42			
		-		43			
		-		44			
		-		45			

LOG OF SOIL BORING 7-4121.L0635.GPJ ETIC.GDT 7/31/06



Engineering, Inc.

LOG OF SOIL BORING: **SB18**

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

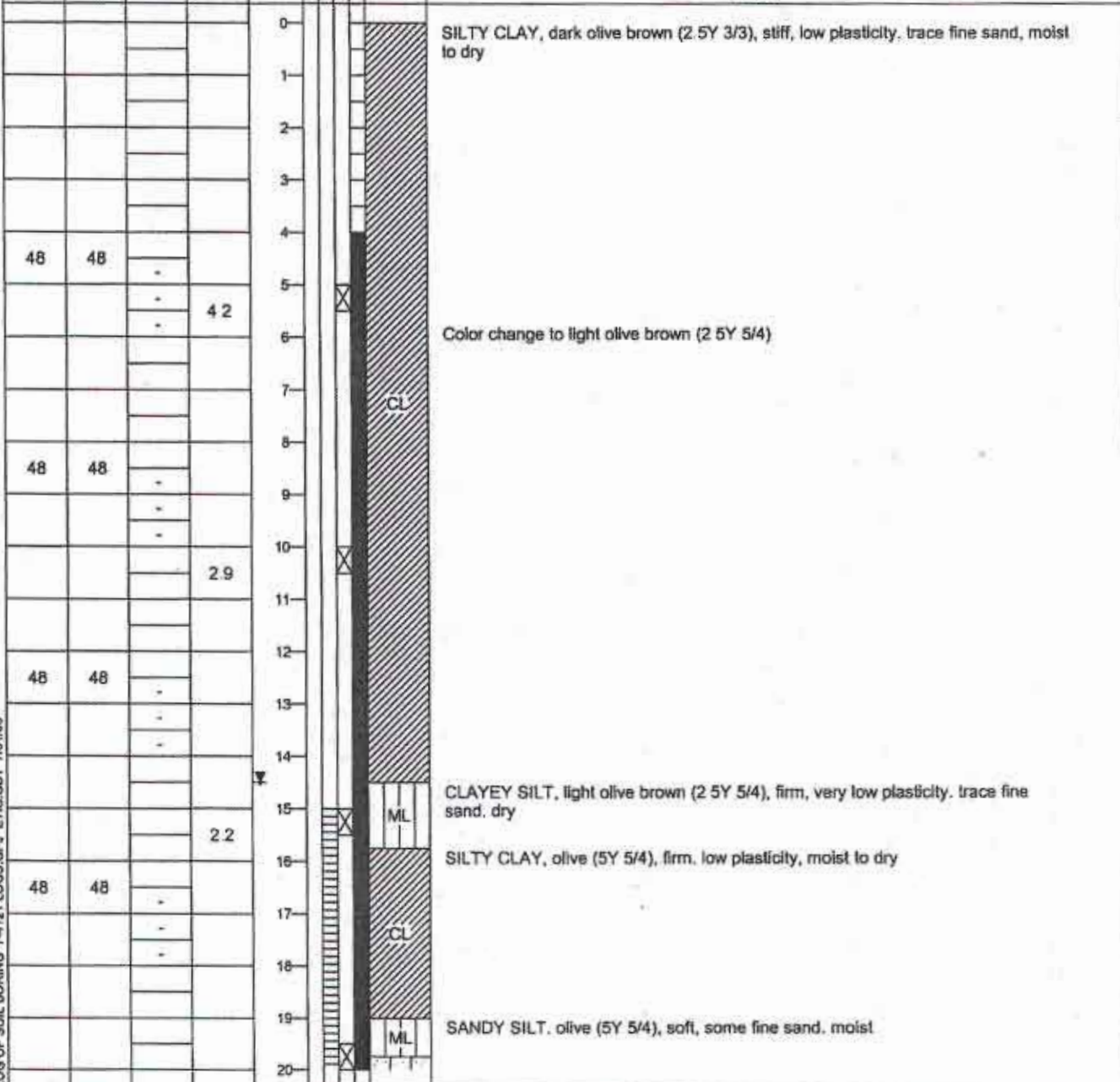
DRILLING COMPANY: TEG
LICENSE NUMBER: C57-706568

CLIENT Exxon Mobil Oil Corp.	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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DRILLING AND SAMPLING METHODS: Cleared via air-knife and vacuum rig by Cascade Drilling to 4 feet bgs. Advanced using a truck mounted geoprobe with dual-tube direct-push technology. Sampled with 4-foot-long acetate liners.

WATER LEVEL	14.5	START TIME	0800	FINISH TIME	0945
TIME	1030	DATE	05/03/06	DATE	5/3/06
DATE	05/03/06	REFERENCE	GS	DATE	5/3/06

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE WATER SAMPLE SOIL SAMPLE RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS Top soil/Grass	DESCRIPTION BY: T. Iob
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LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06



CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp.	7-4121	10605 Foothill Blvd Oakland, California

INCHES				DEPTH (feet)	AIR SAMPLE WATER SAMPLE SOIL SAMPLE RECOVERED	GRAPHIC LOG	LOG OF SOIL BORING: SB18
DRIVEN	RECOVER	BLOWS / 6" SAMPLER	OVA READING				
48	48		12.7				SILTY SAND, olive (5Y 4/3), medium dense, fine sand, wet
				21		SM	Fine to medium sand
				22			
				23			SAND, very dark gray (5Y 3/1), medium dense, fine to medium sand, wet
				24		SP	
				25			Change to loose, fine to coarse sand, trace subrounded gravel to 0.5"
			2.4	25			Boring terminated at 25 feet bgs
				26			
				27			
				28			
				29			
				30			
				31			
				32			
				33			
				34			
				35			
				36			
				37			
				38			
				39			
				40			
				41			
				42			
				43			
				44			
				45			

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/68



Engineering, Inc.

LOG OF SOIL BORING: **SB19**

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: TEG
LICENSE NUMBER: C57-706568

CLIENT Exxon Mobil Oil Corp.	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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DRILLING AND SAMPLING METHODS: Cleared via air-knife and vacuum rig by Cascade Drilling to 4 feet bgs. Advanced using a truck mounted geoprobe with dual-tube direct-push technology. Sampled with 4-foot-long acetate liners.

WATER LEVEL	12.5	START TIME	1500	FINISH TIME	1700
TIME	1618	DATE	5/2/06	DATE	5/2/06
DATE	05/02/06	REFERENCE	GS		

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE WATER SAMPLE SOIL SAMPLE RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS Top soil/Grass
							DESCRIPTION BY: T. Iob

				0			SILTY CLAY. dark grayish brown (2.5Y 4/2), stiff. low plasticity, trace coarse sand, moist to dry
				1			
				2			
				3		CL	
48	48			4			
			10	5			
				6			
				7		ML	CLAYEY SILT. light olive brown (2.5Y 5/4), hard, dry
				8			SILTY CLAY, light olive brown (2.5Y 5/4). very stiff. low plasticity, trace coarse sand, moist to dry
48	48			9		CL	
				10			
			2.3	11		ML	CLAYEY SILT, olive (5Y 5/4), hard, dry
				12			SILTY CLAY, olive (5Y 4/4). hard, very low plasticity, dry
48	48			13			
				14			
				15		CL	
			1.4	16			
48	48			17			
				18			
				19		SM	SILTY SAND. olive (5Y 4/4), dense, fine sand. moist
				20			

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/3/06

INCHES		BLOWS / 6" SAMPLER	O.V.A. READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	LOG OF SOIL BORING: SB19
DRIVEN	RECOVER									
48	48	-	33.4	21					SILT, olive (5Y 4/3), firm, trace fine sand, moist	
		-		22					ML	
		-		23					SM	SILTY SAND, olive gray (5Y 4/2), dense, fine to medium sand, moist
		-		24					SP	SAND, dark gray (5Y 4/1), loose, fine to medium sand, moist
12	12	-	1.1	25						Fine to coarse sand, wet
				26						Boring terminated at 25 feet bgs
				27						
				28						
				29						
				30						
				31						
				32						
				33						
				34						
				35						
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06



Engineering, Inc.

LOG OF SOIL BORING: **SB20**

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: TEG
LICENSE NUMBER: C57-706568

CLIENT Exxon Mobil Oil Corp.	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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DRILLING AND SAMPLING METHODS: Cleared via air-knife and vacuum rig by Cascade Drilling to 4 feet bgs. Advanced using a truck mounted geoprobe with dual-tube direct-push technology. Sampled with 4-foot-long acetate liners.

WATER LEVEL	12.95	START TIME	FINISH TIME
TIME	1223	1015	1130
DATE	05/02/06	DATE	DATE
REFERENCE	GS	5/2/06	5/2/06

INCHES		BLOWS / 6" SAMPLER	CWA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER									Top soil/Grass	
DESCRIPTION BY:										T. Iob	
				0						SILTY CLAY, dark olive brown (2.5Y 3/3), soft, firm, low plasticity, some fine sand, moist to dry	
				1							
				2							
				3							
48	48			4						Some fine to medium sand, iron staining	
				5					CL		
			19	6						Color change to very dark gray (2.5Y 3/1)	
				7							
48	48			8						Trace fine to medium sand	
				9							
			133	10							
				11					SM	SILTY SAND, very dark gray (5Y 3/1), medium dense, fine to medium sand, moist	
				12						SILTY CLAY, olive (5Y 4/3), hard, low plasticity, trace fine sand, dry	
48	48			13							
				14						Color change to dark olive gray (5Y 3/2)	
				15					CL		
			92.4	16							
48	48			17						Some fine to medium sand	
				18							
				19					SM	SILTY SAND, dark olive gray (5Y 3/2), dense, fine to medium sand, moist	
				20					ML	CLAYEY SILT, olive gray (5Y 4/2), firm, very low plasticity, trace fine to medium sand, moist	

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.DDT 7/31/06

LOG OF SOIL BORING: SB20										
INCHES		BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	LOG DESCRIPTION
DRIVEN	RECOVER									
48	48		16 8	21					ML	SILTY SAND. dark olive gray (5Y 3/2), medium dense. fine to medium sand, wet
				22					SM	
				23					SP	SAND. dark olive gray (5Y 3/2). loose. fine to very coarse subangular sand, wet
12	12		55 3	24					SW	SAND, same as above with some subangular gravel to 0.5" diameter
				25						Boring terminated at 25 feet bgs
				26						
				27						
				28						
				29						
				30						
				31						
				32						
				33						
				34						
				35						
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06



Engineering, Inc.

LOG OF SOIL BORING: **SB21**

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: TEG
LICENSE NUMBER: C57-706568

CLIENT Exxon Mobil Oil Corp.	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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DRILLING AND SAMPLING METHODS: Cleared with hand auger to 8 feet bgs. Advanced using a truck mounted geoprobe with dual-tube direct-push technology. Sampled with 4-foot-long acetate liners.

WATER LEVEL	21.0	START TIME	1115	FINISH TIME	1400
TIME	1312	DATE	05/02/06	DATE	5/2/06
DATE	05/02/06	DATE	5/2/06	DATE	5/2/06
REFERENCE	GS				

INCHES		BLOWS / 8" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG
DRIVEN	RECOVER								
				0					
				1					
				2					
				3					
				4					
				5					
				6					
				7					
				8					
48	48		0.5	8					
				9					
				10					
				11					
				12					
48	48			12					
				13					
			3.2	13					
				14					
				15					
				16					
48	48			16					
				17					
				18					
				18					
			1.2	18					
				19					
				20					

SURFACE CONDITIONS: Concrete

DESCRIPTION BY: T. Iob

0 - SILTY CLAY, dark olive brown (2.5Y 3/3), soft, firm, low plasticity, some fine sand, moist to dry

8 - SILTY CLAY, light olive brown (2.5Y 5/6), hard, very low plasticity, trace fine sand, dry

CL

15 - Color change to dark olive gray (5YR 3/2)

18 - Color change to olive brown with iron staining (2.5Y 4/3)

19 - SAND, olive brown (2.5Y 4/3), medium dense, fine sand, moist

SP

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06

				LOG OF SOIL BORING: SB21				
INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	CVA READING	DEPTH (feet)	AIR SAMPLE WATER SAMPLE SOIL SAMPLE RECOVERED	GRAPHIC LOG		
								48
				22				
				23				Color change to light olive brown (2.5Y 5/4)
			0.9	24		SW		SAND, same as above with some subangular gravel to 0.5" diameter
12	12			25				Boring terminated at 25 feet bgs.
			1.4	26				
				27				
				28				
				29				
				30				
				31				
				32				
				33				
				34				
				35				
				36				
				37				
				38				
				39				
				40				
				41				
				42				
				43				
				44				
				45				

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/08



CLIENT ExxonMobil	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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LOG OF SOIL BORING: **MW1**

DRILLING AND SAMPLING METHODS: Cleared using an air-knife and vacuum rig to 5 feet bgs. Advanced using a limited access auger rig with 8-inch diameter augers. Sampled with an 18-inch long split spoon modified California sampler

COORDINATES: N2097737.2 :E6084704
 ELEVATION TOP OF CASING: 82.47
 CASING BELOW SURFACE:

WATER LEVEL	21	16.55		START TIME	FINISH TIME
TIME	0910	1315		0820	1050
DATE	1/23/07	1/24/07		DATE	DATE
REFERENCE	GS	GS		1/23/07	1/23/07

DRILLING COMPANY: Cascade
 LICENSE NUMBER: C57-717510

INCHES		BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER								Top soil/Grass	
									DESCRIPTION BY:	E. Appel
									DETAILS	<ul style="list-style-type: none"> Single bolt, water tight Morrison well box Neat cement grout from 1 to 6 feet bgs 2-inch I.D. schedule 40 PVC riser casing from ground surface to 10 feet bgs Bentonite chips from 6 to 8 feet bgs. #2/12 sand from 8 to 25 feet bgs 2-inch I.D. 0 010 inch slot, schedule 40 PVC screen from 10 to 25 feet bgs. Threaded PVC cap at 25 feet bgs.
				0					SILTY CLAY - dark olive brown (2.5Y 4/4), stiff, low to moderate plasticity, slightly moist.	
				1						
				2						
				3						
				4						
				5				CL	- becoming yellowish-brown (10YR 3/3)	
18	6	7		6					- very stiff to hard	
		13								
		23		7						
			0.9							
		14		8					- very hard	
15	15	21		9						
		40		10						
			1.3							
		8		11						
18	18	28		12				ML	CLAYEY SILT - yellowish-brown (10YR 3/3), very hard, low plasticity, slightly moist.	
		33								
			0.5							
		4		13						
18	6	21		14						

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 3/28/07



CLIENT

ExxonMobil

SITE NUMBER

7-4121

LOCATION

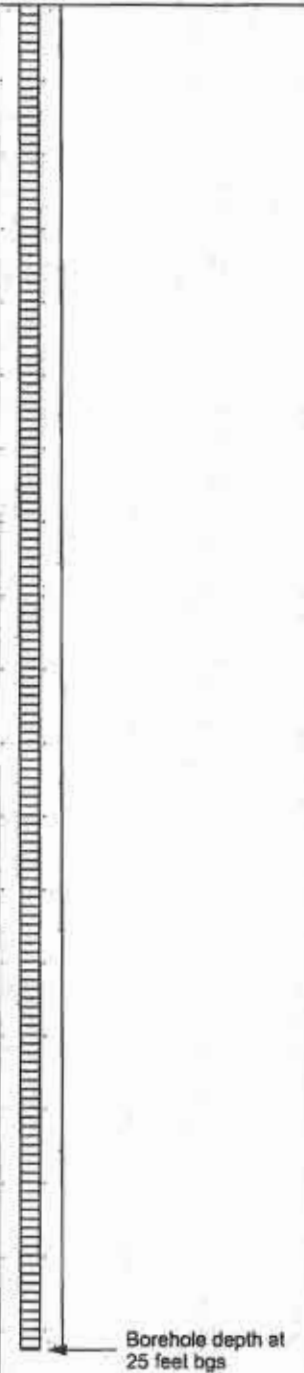
10605 Foothill Blvd
Oakland, California

LOG OF SOIL BORING:

MW1

INCHES		BLOWS / 8" SAMPLER	CVA READING	DEPTH (feet)	AIR SAMPLE WATER SAMPLE SOIL SAMPLE RECOVERED	GRAPHIC LOG	LOG OF SOIL BORING: MW1
DRIVEN	RECOVER						
		40					
			0.3				
18	18	8		13		ML	
		25					- moist
		26	2.1	14			
							SILTY SAND - olive (5Y 4/3), to olive gray (5Y 4/2), medium dense, fine grained, very moist
18	15	6		15			
		8					
		11		16		SM	
18	12	11		17			
		10					
		10	0.6	18			
							POORLY GRADED SAND - olive gray (5Y 4/2), dense, fine to medium grained, wet.
18	18	7		19			
		16					
		21	24	20			
18	6	9		21			- medium to coarse grained
		24				SP	
		27	134	22			
18	0	13		23			
		18					
		26		24			
				25			Boring terminated at 25 feet bgs.
				26			
				27			

LOG OF SOIL BORING 7-4121 LOGS.DPJ ETIC.GDT 3/29/07



Borehole depth at 25 feet bgs



CLIENT ExxonMobil	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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LOG OF SOIL BORING: **MW2**

DRILLING AND SAMPLING METHODS: Cleared using an air-knife and vacuum rig to 5 feet bgs. Advanced using a limited access euger rig with 8-inch diameter augers. Sampled with an 18-inch long split spoon modified California sampler.

COORDINATES: N2067726.8 :E6084748.5
 ELEVATION TOP OF CASING: 84.40
 CASING BELOW SURFACE:

WATER LEVEL	15	18.3		START TIME	FINISH TIME
TIME	1125	1320		1055	1230
DATE	1/23/07	1/24/07		DATE	DATE
REFERENCE	GS	GS		1/23/07	1/23/07

DRILLING COMPANY: Cascade
 LICENSE NUMBER: C57-717510

INCHES		BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER								Top soil/Grass	
									DESCRIPTION BY:	DETAILS
									E. Appel	
				0					SILTY CLAY - dark grayish brown (10YR 4/2), stiff, medium plasticity, slightly moist	Single bolt, water tight Morrison well box
				1						Neat cement grout from 1 to 6 feet bgs
				2						
				3						2-inch I.D. schedule 40 PVC riser casing from ground surface to 10 feet bgs.
				4						
				5				CL		
18	9	5		6					- yellowish brown (10YR 3/3), very stiff	Bentonite chips from 6 to 8 feet bgs.
		9								
		14	0.0	7						
		12								
18	10	24		8					- hard, some caliche stringers	#2/12 sand from 8 to 25 feet bgs.
		39	0.3	9						
		8								
18	12	17		10					CLAYEY SILT - yellowish brown (10YR 3/3), hard, low plasticity, slightly moist to moist	2-inch I.D. 0.010 inch slot, schedule 40 PVC screen from 10 to 25 feet bgs. Threaded PVC cap at 25 feet bgs
		26	0.0							
		13		11				ML		
18	12	18		12						

LOG OF SOIL BORING 7-4121 LOGS GPJ ETIC.GDT 3/29/07



CLIENT
ExxonMobil

SITE NUMBER
7-4121

LOCATION
10605 Foothill Blvd
Oakland, California

INCHES		BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE RECOVERED	GRAPHIC LOG	LOG OF SOIL BORING: MW2	
DRIVEN	RECOVER									
		24	0.3							
18	9	7		13				ML		
		19		14						
		28	0.2							
				15				SP	POORLY GRADED SAND - olive gray (5Y 4/4), medium dense, fine grained, wet.	
18	18	12							CLAYEY SILT - yellowish brown (10YR 3/3), hard, low plasticity, wet	
		19		16						
		27	1.3					ML		
18	12	6		17					SILTY SAND - olive gray (5Y 4/4), medium dense, fine grained, wet.	
		11		18						
		20	1.5							
18	15	16		19				SM		
		20		20						
		21		21					SAND WITH SILT - olive gray (5Y 4/4), medium dense, fine to medium grained with some lenses of coarse grained, wet.	
18	12	7		22						
		13		23						
		17	17.2							
18	14	8		24				SP	- diminishing silt, dense to medium dense	
		16		25						
		19	155.3							
18	18	5		26					- dense	
		16		27						
		25	1,498							
				27						

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 3/28/07

Boring terminated at 26.5 feet bgs.

Borehole depth at 26.5 feet bgs



CLIENT ExxonMobil	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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LOG OF SOIL BORING: **MW3**

DRILLING AND SAMPLING METHODS: Cleared using an air-knife and vacuum rig to 5 feet bgs. Advanced using a limited access auger rig with 8-inch diameter augers. Sampled with an 18-inch long split spoon modified California sampler.

COORDINATES: N2097634.7 :E6084733.1
ELEVATION TOP OF CASING: 83.25
CASING BELOW SURFACE:

WATER LEVEL	▽ 20.5	▽ 16.9		
TIME	0935	1325	START TIME 0825	FINISH TIME 1030
DATE	1/24/07	1/24/07	DATE 1/24/07	DATE 1/24/07
REFERENCE	GS	GS		

DRILLING COMPANY: Cascade
LICENSE NUMBER: C57-717510

INCHES		BLOWS /ft SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER									Top soil/Grass	
										DESCRIPTION BY:	E. Appel
										DETAILS	<ul style="list-style-type: none"> Single bolt, water tight Morrison well box Neat cement grout from 1 to 6 feet bgs 2-inch I.D. schedule 40 PVC riser casing from ground surface to 10 feet bgs. Bentonite chips from 6 to 8 feet bgs. #2/12 sand from 8 to 26 feet bgs. 2-inch I.D. 0.010 inch slot, schedule 40 PVC screen
				0						SILTY CLAY - very dark gray (10YR 3/1), medium stiff, moderate plasticity, slightly moist to moist.	
				1							
				2							
				3							
				4							
				5					CL		
18	18	3		6						- very stiff	
		9									
		12	0.0								
				7							
18	18	4									
		9									
		14	0.0							- dark yellowish brown (10YR 3/4)	
				8							
18	14	10		9							
		20									
		32	0.3							CLAYEY SILT - dark yellowish brown (10YR 4/6), hard, low plasticity, trace of fine grained sand. moist	
				10							
18	18	8		11					ML		
		12									
				12							

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 3/25/07



CLIENT

ExxonMobil

SITE NUMBER

7-4121

LOCATION

10605 Foothill Blvd
Oakland, California

INCHES		BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE RECOVERED	GRAPHIC LOG	LOG OF SOIL BORING: MW3	
DRIVEN	RECOVER									
		26	0.2	13					- less clay, more sand	<p>from 10 to 25 feet bgs. Threaded PVC cap at 25 feet bgs</p>
18	15	7		14			ML	- less sand, more clay		
		19		15				SANDY SILT WITH CLAY - dark yellowish brown (10YR 4/6), very stiff, low plasticity, moist		
18	18	5		16						
		14		17			ML			
		29	0.7	18				- very moist		
18	13	11		19				SILT WITH CLAY - dark yellowish brown (10YR 4/6), very stiff, low plasticity, moist		
		19		20			ML			
		22	0.1	21				SANDY SILT - dark yellowish brown (10YR 4/6), very stiff to hard, low plasticity, fine grained sand, very moist		
18	14	7		22			ML			
		16		23				SILTY SAND - dark yellowish brown (10YR 4/6), dense to medium dense, fine grained, moist to very moist		
		20	1.5	24						
18	17	10		25			SM			
		12		26						
		23	0.4	27						
18	18	9								
		16								
		21	0.2							
								Boring terminated at 26.5 feet bgs		

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 3/29/07



CLIENT ExxonMobil	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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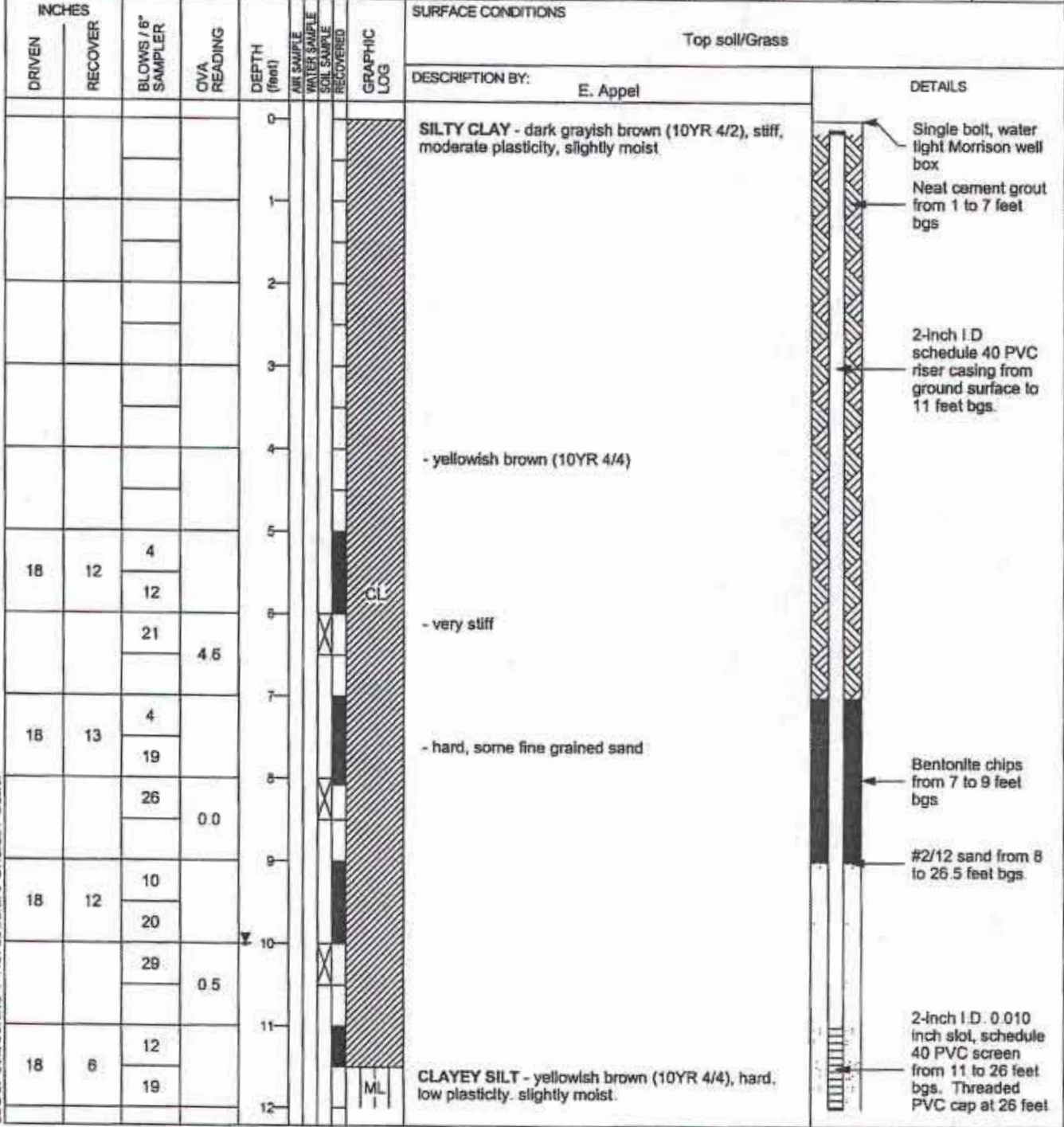
LOG OF SOIL BORING: **MW5**

DRILLING AND SAMPLING METHODS: Cleared using an air-knife and vacuum rig to 5 feet bgs. Advanced using a limited access auger rig with 8-inch diameter augers. Sampled with an 18-inch long split spoon modified California sampler.

COORDINATES: N6084713.8 : E6084713.8
ELEVATION TOP OF CASING: 82.65
CASING BELOW SURFACE:

WATER LEVEL	19	10		START TIME	FINISH TIME
TIME	1440	1310		1400	1530
DATE	1/23/07	1/24/07		DATE	DATE
REFERENCE	GS	GS		1/23/07	1/23/07

DRILLING COMPANY: Cascade
LICENSE NUMBER: C57-717510



LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 3/29/07



CLIENT

ExxonMobil

SITE NUMBER

7-4121

LOCATION

10605 Foothill Blvd
Oakland, California

				LOG OF SOIL BORING: MW5			
INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE WATER SAMPLE SOIL SAMPLE RECOVERED	GRAPHIC LOG	DESCRIPTION
		30	0.0	13		ML	
18	18	5		13		CL	SILTY CLAY - yellowish brown (10YR 4/6), hard, low plasticity, moist.
		16		14			SANDY SILT - olive gray (5Y 4/4), hard, low plasticity, fine grained sand, moist.
		30	2.4	15		ML	
18	9	7		16			CLAYEY SILT - olive gray (5Y 4/4), hard, low plasticity, moist.
		18		16		ML	
		24	0.3	17			
18	15	10		17			SILTY SAND - dark olive gray (5Y 3/2), dense, fine grained, very moist.
		17		18			
		29	15.9	18		SM	
18	18	13		19			- wet
		22		20			POORLY GRADED SAND - dark olive gray (5Y 3/2), dense, fine grained, wet.
		31	121.1	21			
18	18	8		21			- medium and coarse grained
		14		22			
		23	3.0	22			- medium dense, fine grained with medium grains
18	18	6		23		SP	
		10		23			- medium grained with some fine and coarse grains
		19	8.7	24			
18	18	16		25			- dense
		16		26			Boring terminated at 26.5 feet bgs.
		23	3.0	26			
				27			

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 3/29/07

bgs.

Borehole depth at 26 feet bgs



CLIENT ExxonMobil	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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LOG OF SOIL BORING: **VW1**

DRILLING AND SAMPLING METHODS: Borehole cleared to 6 feet bgs using a hand auger. Sampled with side hammer using 6-inch-long stainless-steel liners.

COORDINATES: N2097703.7 :E6084683.6
 ELEVATION TOP OF CASING:
 CASING BELOW SURFACE: -81.77

WATER LEVEL				
TIME			START TIME 1130	FINISH TIME 1245
DATE			DATE 1/22/07	DATE 1/22/07
REFERENCE				

DRILLING COMPANY: Cascade
 LICENSE NUMBER: C57-717510

INCHES		BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	SOIL SAMPLE RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS		
DRIVEN	RECOVER									Top soil/Grass		
										DESCRIPTION BY:	E. Appel	DETAILS
				0						SILTY CLAY - dark olive brown (2.5Y 3/3), soft, low plasticity, slightly moist.		
				1								
				2								
				3					CL			
				4						- becoming yellowish-brown (10YR 5/6), moist		
				5								
6	4			6						Boring terminated at 6 feet bgs.		
6	4			6								
				7								
				8								
				9								
				10								
				11								
				12								

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 4/24/07



CLIENT ExxonMobil	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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LOG OF SOIL BORING: **VW2**

DRILLING AND SAMPLING METHODS: Borehole cleared to 6 feet bgs using a hand auger. Sampled with side hammer using 6-inch-long stainless-steel liners.

COORDINATES: N2097691.3 :E6084692
 ELEVATION TOP OF CASING:
 CASING BELOW SURFACE: -81.98

WATER LEVEL				START TIME 1155	FINISH TIME 1300
TIME				DATE 1/22/07	DATE 1/22/07
DATE					
REFERENCE					

DRILLING COMPANY: Cascade
 LICENSE NUMBER: C57-717510

INCHES		BLOWS / 6" SAMPLER	CWA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER								Top soil/Grass	
									DESCRIPTION BY: E. Appel	DETAILS
				0					SILTY CLAY - dark olive brown (2.5Y 3/3), soft, low plasticity, slightly moist.	
				1						
				2						
				3				CL		
				4					- becoming yellowish-brown (10YR 5/6), moist	
6	4			5						
6	4			6					Boring terminated at 6 feet bgs	
				7						
				8						
				9						
				10						
				11						
				12						

LOG OF SOIL BORING, 7-4121 LOGS.GPJ ETIC.GDT 4/2/07



LOG OF SOIL BORING:

VW3

COORDINATES: N2097670.8 :E6084704.6
 ELEVATION TOP OF CASING:
 CASING BELOW SURFACE: -82.64

DRILLING COMPANY: Cascade
 LICENSE NUMBER: C57-717510

CLIENT ExxonMobil	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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DRILLING AND SAMPLING METHODS: Borehole cleared to 6 feet bgs using a hand auger. Sampled with slide hammer using 6-inch-long stainless-steel liners.

WATER LEVEL				START TIME 1430	FINISH TIME 1510
TIME				DATE 1/22/07	DATE 1/22/07
DATE					
REFERENCE					

INCHES		BLOWS / 6" SAMPLER	O.V.A. READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS		
DRIVEN	RECOVER									Top soil/Grass		
				0						DESCRIPTION BY: E. Appel	DETAILS	
				1						<p>SILTY CLAY - dark olive brown (2.5Y 3/3), soft, low plasticity, slightly moist.</p> <p>- becoming yellowish-brown (10YR 5/6), moist</p> <p>Boring terminated at 6 feet bgs.</p>	<p>Single boll, water tight Morrison well box</p> <p>Neat cement grout from 0.5 to 4 feet bgs</p> <p>0.125-inch I.D. stainless steel tubing from ground surface to 5.25 feet.</p> <p>Bentonite chips from 4 to 5 feet bgs.</p> <p>#2/12 sand from 5 to 6 feet bgs.</p> <p>0.375-inch I.D. 0.010-inch slot stainless steel screen from 5.25 to 5.75 feet bgs.</p>	
				2								
				3								
				4								
				5								
6	4			6								
6	4											
				7								
				8								
				9								
				10								
				11								
				12								

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 4/3/07



CLIENT ExxonMobil	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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LOG OF SOIL BORING: **VW4**

DRILLING AND SAMPLING METHODS: Borehole cleared to 6 feet bgs using a hand auger. Sampled with slide hammer using 6-inch-long stainless-steel liners.

COORDINATES: N2097648.1 :E6084721.3
ELEVATION TOP OF CASING:
CASING BELOW SURFACE: -83.13

WATER LEVEL				
TIME			START TIME 1445	FINISH TIME 1530
DATE			DATE 1/22/07	DATE 1/22/07
REFERENCE				

DRILLING COMPANY: Cascade
LICENSE NUMBER: C57-717510

INCHES		BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER								Top soil/Grass	
				0					DESCRIPTION BY: E. Appel	DETAILS
				1				CL	SILTY CLAY - dark olive brown (2.5Y 3/3), soft, low plasticity, slightly moist	<ul style="list-style-type: none"> Single bolt, water tight Morrison well box Neat cement grout from 0.5 to 4 feet bgs 0.125-inch I.D. stainless steel tubing from ground surface to 5.25 feet
				2						
				3				SP-SC	SANDY CLAY/CLAYEY SAND - yellowish-brown (10YR 5/6), stiff/medium dense, low plasticity, fine to medium grained sand, some angular gravel up to 1 inch in diameter, moist to slightly moist	<ul style="list-style-type: none"> Bentonite chips from 4 to 5 feet bgs. #2/12 sand from 5 to 6 feet bgs. 0.375-inch I.D. 0.010-inch slot stainless steel screen from 5.25 to 5.75 feet bgs.
6	4			4						
6	4			5					Boring terminated at 6 feet bgs	
				6						
				7						
				8						
				9						
				10						
				11						
				12						

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 4/3/07



CLIENT ExxonMobil	SITE NUMBER 7-4121	LOCATION 10605 Foothill Blvd Oakland, California
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LOG OF SOIL BORING:

VW5

DRILLING AND SAMPLING METHODS: Borehole cleared to 6 feet bgs using a hand auger. Sampled with slide hammer using 8-inch-long stainless-steel liners.

COORDINATES: N2097706.7 :E6084744 8
ELEVATION TOP OF CASING:
CASING BELOW SURFACE: -84 47

WATER LEVEL				START TIME 1050	FINISH TIME 1230
TIME				DATE 1/22/07	DATE 1/22/07
DATE					
REFERENCE					

DRILLING COMPANY: Cascade
LICENSE NUMBER: C57-717510

INCHES				DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS		
DRIVEN	RECOVER	BLOWS / 6" SAMPLER	QVA READING							Top soil/Grass		
				0						DESCRIPTION BY: E. Appel	DETAILS	
				1						<p>SILTY CLAY - dark olive brown (2.5Y 3/3), soft, low plasticity, slightly moist.</p> <p>- becoming yellowish-brown (10YR 5/6), moist</p> <p>Boring terminated at 6 feet bgs</p>		
				2								
				3								
				4								
				5								
6	4			6								
6	4			6								
				7								
				8								
				9								
				10								
				11								
				12								

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 4/3/07



CLIENT ExxonMobil	SITE NUMBER 74121	LOCATION 10605 Foothill Blvd Oakland, California
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LOG OF SOIL BORING: **VW6**

DRILLING AND SAMPLING METHODS: Borehole cleared to 6 feet bgs using a hand auger. Sampled with a slide hammer using 6-inch long stainless-steel liners.

COORDINATES: N2097721.6 : E6084709.7
ELEVATION TOP OF CASING: 83.44
CASING BELOW SURFACE:

WATER LEVEL				START TIME 1045	FINISH TIME 1505
TIME				DATE 3/23/09	DATE 3/23/09
DATE					
REFERENCE					

DRILLING COMPANY: Vironex
LICENSE NUMBER: C57-705927

INCHES				DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER	BLOWS / 6" SAMPLER	OVA READING							Top Soil/Grass	
60			1.5	0						<p>DESCRIPTION BY: M. Garcia</p> <p>SILTY CLAY - very dark brown (10YR 2/2), soft, low plasticity, moist.</p> <p>- moist to wet.</p> <p>- very stiff.</p> <p>Boring terminated at 6 feet bgs.</p>	<p>DETAILS</p>
				1							
				2							
				3							
			0.3	4							
				5							
	12			6							
				7							
				8							
				9							
				10							
				11							
				12							
				13							
				14							
				15							
				16							
				17							
				18							
				19							
				20							

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 5/14/09



CLIENT ExxonMobil	SITE NUMBER 74121	LOCATION 10605 Foothill Blvd Oakland, California
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LOG OF SOIL BORING: **VW7**

DRILLING AND SAMPLING METHODS: Borehole cleared to 6 feet bgs using a hand auger. Sampled with a slide hammer using 6-inch long stainless-steel liners.

COORDINATES: N2097715.7 : E6084729.7
 ELEVATION TOP OF CASING: 83.98
 CASING BELOW SURFACE:

WATER LEVEL				
TIME			START TIME 1000	FINISH TIME 1445
DATE			DATE 3/23/09	DATE 3/23/09
REFERENCE				

DRILLING COMPANY: Vironex
 LICENSE NUMBER: C57-705927

INCHES		BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER									Top Soil/Grass	
DESCRIPTION BY: M. Garcia										DETAILS	
60			0.9	0							
			0.5	1							
				2				CL			
			0.9	3							
				4							
				5				CL			
12				6							
				7							
				8							
				9							
				10							
				11							
				12							
				13							
				14							
				15							
				16							
				17							
				18							
				19							
				20							

SILTY CLAY - very dark brown (10YR 2/2) mottled with dark yellowish brown (5YR 3/4), very stiff, low plasticity, moist.

CLAY - very dark brown (10YR 2/2), hard, low plasticity, dry to moist.

Boring terminated at 6 feet bgs.

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 5/14/08



CLIENT ExxonMobil	SITE NUMBER 74121	LOCATION 10605 Foothill Blvd Oakland, California
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LOG OF SOIL BORING: **VW8**

DRILLING AND SAMPLING METHODS: Borehole cleared to 6 feet bgs using a hand auger. Sampled with a slide hammer using 6-inch long stainless-steel liners.

COORDINATES: N2097687.2 :E6084729.7
 ELEVATION TOP OF CASING: 83.70
 CASING BELOW SURFACE:

WATER LEVEL				START TIME 0955	FINISH TIME 1424
TIME				DATE 3/23/09	DATE 3/23/09
DATE					
REFERENCE					

DRILLING COMPANY: Vironex
 LICENSE NUMBER: C57-705927

INCHES				DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER	BLOWS / 8" SAMPLER	OVA READING							Top Soil/Grass	
				0						DESCRIPTION BY: M. Garcia	DETAILS <ul style="list-style-type: none"> Single bolt, water tight Morrison well box Neat cement grout from 0.5 to 4 feet bgs 0.25-inch stainless steel tubing from ground surface to 5.25 feet. Bentonite chips from 4 to 5 feet bgs. #2/12 sand from 5 to 6 feet bgs. 0.4-inch 0.0057-inch pore stainless steel screen from 5.25 to 5.75 feet bgs.
60			2.7	1						SILTY CLAY WITH TRACE SAND - very dark brown (10YR 2/2), firm to stiff, low plasticity, fine grained sand, moist. - mottled with dark yellowish brown (10YR 4/6). - with some small roots and trace subangular gravel 0.5 inches in diameter.	
				2					CL		
				3							
				4							
				5					CL	CLAY WITH SOME SAND- dark brown (10YR 3/3) mottled with dark yellowish brown (10YR 4/6), hard, low plasticity, fine grained sand, moist.	
	12			6						Boring terminated at 6 feet bgs.	
				7							
				8							
				9							
				10							
				11							
				12							
				13							
				14							
				15							
				16							
				17							
				18							
				19							
				20							

LOG OF SOIL BORING 7-4121 LOSS.GPJ ETIC.GDT BH406



CLIENT ExxonMobil	SITE NUMBER 74121	LOCATION 10605 Foothill Blvd Oakland, California
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LOG OF SOIL BORING: **VW9**

DRILLING AND SAMPLING METHODS: Borehole cleared to 8 feet bgs using a hand auger. Sampled with a slide hammer using 8-inch long stainless-steel liners.

COORDINATES: N2097692.4 :E6084705.7
ELEVATION TOP OF CASING: 82.72
CASING BELOW SURFACE:

WATER LEVEL				START TIME 1045	FINISH TIME 1600
TIME				DATE 3/23/09	DATE 3/23/09
DATE					
REFERENCE					

DRILLING COMPANY: Vironex
LICENSE NUMBER: C57-705927

INCHES		BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER									Top Soil/Grass	
DESCRIPTION BY: M. Garcia										DETAILS	
60			1.0	0						CLAYEY SILT - very dark brown (10YR 2/2), firm, dry to moist.	
				1					ML		
				2							
			0.2	3					CL	CLAY - very dark brown (10YR 2/2), hard, low plasticity, dry.	
	12			4							
				5						Boring terminated at 6 feet bgs.	
				6							
				7							
				8							
				9							
				10							
				11							
				12							
				13							
				14							
				15							
				16							
				17							
				18							
				19							
				20							

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 8/14/09



CLIENT ExxonMobil	SITE NUMBER 74121	LOCATION 10605 Foothill Blvd Oakland, California
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LOG OF SOIL BORING: **VW10**

DRILLING AND SAMPLING METHODS: Borehole cleared to 6 feet bgs using a hand auger. Sampled with a slide hammer using 6-inch long stainless-steel liners.

COORDINATES: N2097745.6 :E6084725.4
 ELEVATION TOP OF CASING: 84.05
 CASING BELOW SURFACE:

WATER LEVEL				
TIME			START TIME 1150	FINISH TIME 1535
DATE			DATE 3/23/09	DATE 3/23/09
REFERENCE				

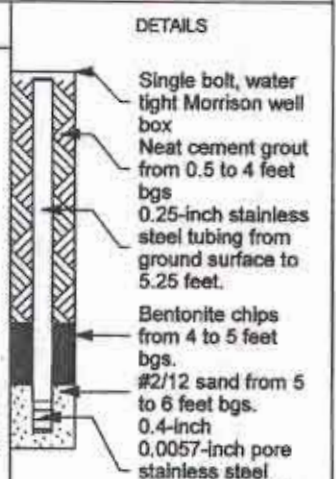
DRILLING COMPANY: Vironex
 LICENSE NUMBER: C57-705927

INCHES		BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE RECOVERED	GRAPHIC LOG
DRIVEN	RECOVER							
60			0.7	0				
				1				
			0.6	2				
				3				
				4				
	12			5				
				6				
				7				
				8				
				9				
				10				
				11				
				12				
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				

SURFACE CONDITIONS: Top Soil/Wood Chips

DESCRIPTION BY: M. Garcia

SILTY CLAY - black (10YR 2/1) mottled with dark yellowish brown (10YR 4/6), very stiff, low plasticity, moist.
 - color becomes dark yellowish brown (10YR 4/6), moist to wet.
 Boring terminated at 6 feet bgs.



LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 5/14/09



CLIENT ExxonMobil	SITE NUMBER 74121	LOCATION 10005 Foothill Blvd Oakland, California
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LOG OF SOIL BORING: **VW11**

DRILLING AND SAMPLING METHODS: Borehole cleared to 6 feet bgs using a hand auger. Sampled with a slide hammer using 6-inch long stainless-steel liners.

COORDINATES: N2097685.5 : E6084794.6
 ELEVATION TOP OF CASING: 85.51
 CASING BELOW SURFACE:

WATER LEVEL				
TIME			START TIME 0843	FINISH TIME 1310
DATE			DATE 3/23/09	DATE 3/23/09
REFERENCE				

DRILLING COMPANY: Vironex
 LICENSE NUMBER: C57-705927

INCHES		BLOWS / 8" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER									Top Soil/Grass	
60				0						DESCRIPTION BY: M. Garcia	DETAILS
				1					ML	CLAYEY SILT - dark brown (10YR 3/6), soft, low plasticity, moist.	
				2							
				3							
				4					CL	CLAY - very dark brown (10YR 2/2) hard, low plasticity, dry to moist.	
	12		4.4	5							
				6						Boring terminated at 6 feet bgs.	
				7							
				8							
				9							
				10							
				11							
				12							
				13							
				14							
				15							
				16							
				17							
				18							
				19							
				20							

LOG OF SOIL BORING: 7-4121 LOGS.GPJ ETIC.GDT 5/14/08



BORING LOG VW3R

(Page 1 of 1)

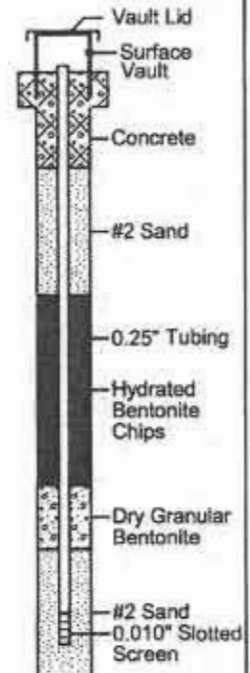
Date Drilled: : 12/19/2011
 Drilling Co.: : Cascade Drilling L.P.
 Drilling Method: : Hand Auger
 Sampling Method: : Hand Auger
 Borehole Diameter: : 3.25"
 Casing Diameter: : 0.25"
 Location N-S : 13' North of VW3
 Location E-W : 0.5' West of VW3
 Total Depth: : 5 ft bgs
 First GW Depth: : N/A

Project No.: : Former Exxon Service Station 74121
 Site: : 10605 Foothill Boulevard, Oakland, CA
 Logged By: : Alex Snyder
 Reviewed By: : Ryan Daniels, P.G. 8737
 Signature:

Depth (ft)	Blow Count	OVM/PIID (ppmv)	Sample	Column	USCS	Sample Condition	Water Levels
						<input checked="" type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample	<input type="checkbox"/> After Completion: N/A <input type="checkbox"/> During Drilling: N/A
DESCRIPTION							

Well: VW3R

0				Grass		
				Clayey SAND: fine- to medium-grained sand, brown, damp, subangular to subrounded, poorly graded (25,10,65,0)	SC	
				Clayey SAND: fine- to medium-grained, dark brown, damp, subangular to subrounded, poorly graded (35,0,65,0)	SC	
				Sandy CLAY: Dark brown, damp, low to moderate plasticity, sand fine- to medium-grained (60,0,40,0)	CL	
5		2.4		Total Depth 5 feet bgs		
10						





CLIENT ExxonMobil	SITE NUMBER 74121	LOCATION 10605 Foothill Blvd Oakland, California
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LOG OF SOIL BORING: **VW12**

DRILLING AND SAMPLING METHODS: Borehole cleared to 6 feet bgs using a hand auger. Sampled with a slide hammer using 6-inch long stainless-steel liners.

COORDINATES: N2097662.3 : E6084713.8
 ELEVATION TOP OF CASING: 83.04
 CASING BELOW SURFACE:

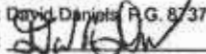
WATER LEVEL				START TIME 0925	FINISH TIME 1355
TIME				DATE 3/23/09	DATE 3/23/09
DATE					
REFERENCE					

DRILLING COMPANY: Vironex
 LICENSE NUMBER: C57-705927

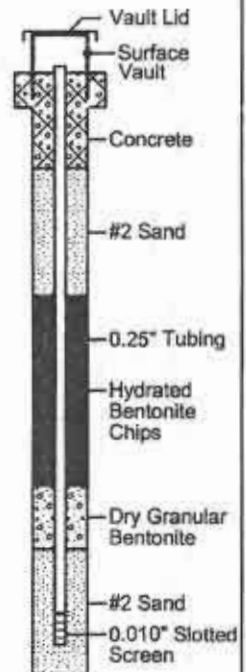
INCHES				DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER	BLOWS / 8" SAMPLER	OVA READING							Top Soil/Grass	
60			4.4	0						DESCRIPTION BY: M. Garcia	DETAILS <ul style="list-style-type: none"> Single bolt, water tight Morrison well box Neat cement grout from 0.5 to 4 feet bgs 0.25-inch stainless steel tubing from ground surface to 5.25 feet. Bentonite chips from 4 to 5 feet bgs. #2/12 sand from 5 to 6 feet bgs. 0.4-inch 0.0057-inch pore stainless steel screen from 5.25 to 5.75 feet bgs.
			0.6	1				CL	SILTY CLAY - black (10YR 2/1) soft to firm, low plasticity, moist.		
			0.1	2							
	12			3							
				4				CL	CLAY - very dark brown (10YR 2/2) very stiff, low plasticity, moist.		
				5						Boring terminated at 6 feet bgs.	
				6							
				7							
				8							
				9							
				10							
				11							
				12							
				13							
				14							
				15							
				16							
				17							
				18							
				19							
				20							

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 5/14/09

Date Drilled: : 12/19/2011
 Drilling Co.: : Cascade Drilling L.P.
 Drilling Method: : Hand Auger
 Sampling Method: : Hand Auger
 Borehole Diameter: : 3.25"
 Casing Diameter: : 0.25"
 Location N-S : 1.5' South of VW4
 Location E-W : 4' East of VW4
 Total Depth: : 5 ft. bgs
 First GW Depth: : N/A

Project No.: : Former Exxon Service Station 74121
 Site: : 10605 Foothill Boulevard, Oakland, CA
 Logged By: : Alex Snyder
 Reviewed By: : David Daniels P.G. 8/37
 Signature: 

Depth (ft)	Blow Count	OVM/PIID (ppmv)	Sample	Column	USCS	Sample Condition	Water Levels	Well: VW4R
						<input checked="" type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample	<input type="checkbox"/> After Completion: N/A <input type="checkbox"/> During Drilling: N/A	
DESCRIPTION								
0						Grass		
						Clayey SAND: fine- to medium-grained, brown, damp, subangular to subrounded, poorly graded, rootlets present (25,10,65,0)		
					SC	Moist and dark brown at 2.5 feet bgs		
						Sandy CLAY: dark brown, moist, low to moderate plasticity, sand fine- to moderate-grained (80,0,40,0)		
					CL			
5	2.4					Total Depth 5 feet bgs		
10								





BORING LOG VW11R

(Page 1 of 1)

Date Drilled: 12/19/2011
 Drilling Co.: Cascade Drilling L.P.
 Drilling Method: Hand Auger
 Sampling Method: Hand Auger
 Borehole Diameter: 3.25"
 Casing Diameter: 0.25"
 Location N-S: 2' South of VW11
 Location E-W: 0.5' West of VW11
 Total Depth: 5 ft. bgs
 First GW Depth: N/A

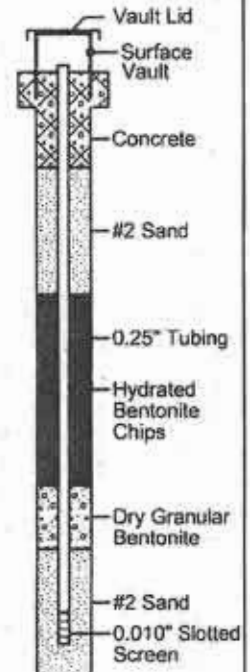
Project No.: Former Exxon Service Station 74121
 Site: 10605 Foothill Boulevard, Oakland, CA
 Logged By: Alex Snyder
 Reviewed By: David Bahjels, P.G. 8737
 Signature: *[Signature]*

Depth (ft)	Blow Count	OVM/PIID (ppmv)	Sample	Column	USCS	Sample Condition	Water Levels
						<input checked="" type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample	<input type="checkbox"/> After Completion: N/A <input type="checkbox"/> During Drilling: N/A
DESCRIPTION							

Well: VW11R

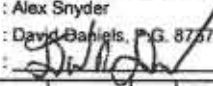
0				Grass		
				Clayey SAND with Gravel: fine- to medium-grained, dark brown, damp subangular to subrounded, poorly graded, (30,0,60,10)	SC	
				Clayey SAND: fine- to medium-grained, damp, brown, subangular to subrounded, poorly graded (15,0,85,0)	SC	
				Clayey SAND: fine- to medium-grained, damp, dark brown, subangular to subrounded, poorly graded (25,0,75,0)	SC	
5		2.4				

Total Depth 5 feet bgs



10

Date Drilled: : 12/19/2011
 Drilling Co.: : Cascade Drilling L.P.
 Drilling Method: : Hand Auger
 Sampling Method: : Hand Auger
 Borehole Diameter: : 3.25"
 Casing Diameter: : 0.25"
 Location N-S : 0.5' North of VW12
 Location E-W : 5' East of VW12
 Total Depth: : 5 ft. bgs
 First GW Depth: : N/A

Project No.: : Former Exxon Service Station 74121
 Site: : 10605 Foothill Boulevard, Oakland, CA
 Logged By: : Alex Snyder
 Reviewed By: : David Daniels, P.G. 8757
 Signature: 

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	Sample Condition	Water Levels	DESCRIPTION
						<input checked="" type="checkbox"/> No Recovery <input type="checkbox"/> Sampled Interval <input type="checkbox"/> Described Sample <input checked="" type="checkbox"/> Preserved Sample	<input type="checkbox"/> After Completion: N/A <input type="checkbox"/> During Drilling: N/A	
0								Grass
								Clayey SAND: fine- to medium-grained, brown, damp, subangular to subrounded, poorly graded (25,10,65,0)
					SC			Dark brown @ 2.5 feet bgs
								Moist @ 3 feet bgs
					SC			Clayey SAND: fine- to medium-grained, moist, dark brown, subangular to subrounded, poorly graded (40,0,60,0)
5	2.4							Total Depth 5 feet bgs

Well: VW12R

