# ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY



ALEX BRISCOE, Director

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

June 22, 2011

Mr. Ted Dang (Sent via E-mail to: <u>TWD113@aol.com</u>)
Tomorrow Development Co., Inc.
1305 Franklin Street, #500
Oakland, CA 94612

Mr. John Thorpe 21790 Hesperian Blvd. Hayward, CA 94541-7003

Subject: Case Closure for Fuel Leak Case No. RO0000396 and GeoTracker Global ID T0600102124, Thorpe Property Gas Station, 2547 East 27<sup>th</sup> Street, Oakland, CA 94601

Dear Mr. Dang and Mr. Thorpe:

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 (<a href="http://geotracker.swrcb.ca.gov">http://geotracker.swrcb.ca.gov</a>) and the Alameda County Environmental Health website (<a href="http://www.acgov.org/aceh/index.htm">http://geotracker.swrcb.ca.gov</a>)

## SITE INVESTIGATION AND CLEANUP SUMMARY

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

- Total Petroleum Hydrocarbons as gasoline remain in soil at concentrations up to 600 ppm.
- Total Petroleum Hydrocarbons as gasoline remain in groundwater at concentrations up to 2,200 ppb.
- Benzene remains in groundwater at concentrations up to 1 ppb

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)

Nick Patz
Ceres Associates
920 First Street, Suite 202
Benicia, CA 94510 (Sent via E-mail to: nickpatz@ceresassociates.com)

Carmen Harms
State Water Resources Control Board
Division of Financial Assistance
P.O. Box 944212
Sacramento, CA 94244-2120
(Sent via E-mail to:
CHarms@waterboards.ca.gov)

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

Margot Lederer Prado
City of Oakland Economic Development Division
Brownfields Management
250 Frank H. Ogawa Plaza, Suite 3315
Oakland, CA 94612
(Sent via E-mail to: MPrado@oaklandnet.com)

Donna Drogos, ACEH (Sent via E-mail to: <a href="mailto:donna.drogos@acgov.org">donna.drogos@acgov.org</a>)
Jerry Wickham, ACEH (Sent via E-mail to: <a href="mailto:jerry.wickham@acgov.org">jerry.wickham@acgov.org</a>)

GeoTracker (w/enc) File (w/orig enc)

# ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY



ALEX BRISCOE, Director

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

## REMEDIAL ACTION COMPLETION CERTIFICATION

June 22, 2011

Mr. Ted Dang (Sent via E-mail to: <u>TWD113@aol.com</u>)
Tomorrow Development Co., Inc.
1305 Franklin Street, #500
Oakland, CA 94612

Mr. John Thorpe 21790 Hesperian Blvd. Hayward, CA 94541-7003

Subject: Case Closure for Fuel Leak Case No. RO0000396 and Geotracker Global ID T0600102124, Former Service Station. 2547 East 27<sup>th</sup> Street, Oakland, CA 94601

Dear Mr. Dang and Mr. Thorpe:

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 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

Director

Alameda County Environmental Health

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

Date: May 25, 2010

# I. AGENCY INFORMATION

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

# **II. CASE INFORMATION**

Site Facility Name: Thorpe Property Gas Station					
Site Facility Address: 2547 East 27	r <sup>th</sup> Street, Oakland, CA 94601				
RB Case No.: 01-2309 STID No.: 4848 LOP Case No.: RO0000396					
URF Filing Dates: 12/08/1994					
Responsible Parties	Addresses		Phone Numbers		
Mr. Ted Dang Tomorrow Development Co., Inc	1305 Franklin Street, #500 Oakland, CA 94612		No phone number		
Mr. John Thorpe	horpe 21790 Hesperian Blvd. Hayward, CA 94541-7003		510-782-3082		

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1 through 4	500	Gasoline	Removed	8/31/1994
5	100	Waste Oil	Removed	8/31/1994
m nees		90 to 40		
	*****		****	pa 44 AF
	Piping		Removed	08/31/1994

# III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown. O underside at the tank fill end. No holes, crac during removal.				
Site characterization complete? Yes Date Approved By Oversight Agency:				
Monitoring wells installed? Yes Number: 6 Proper screened interval?				
Highest GW Depth Below Ground Surface: 3.2 feet bgs Lowest Depth: 5.0 feet bgs Flow Direction: East				
Most Sensitive Current Use: Potential drin	king water	source.		

Summary of Production Wells in Vicinity: A well survey conducted by Ceres Associates in 2006 did not find any water supply wells within 2,000 feet of the site.			
Are drinking water wells affected? No Aquifer Name: East Bay Plain			
Is surface water affected? No  Nearest SW Name: Sousal Creek is approximately 800 feet east of the site.			
Off-Site Beneficial Use Impacts (Addresses/Locations): None			
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)	Amount (Include Units)				
Tank	5 tanks	The USTs were transported to the H&H Ship Service Company in San Francisco, CA for disposal.	8/31/1994			
Piping	Nor reported	Piping was transported to the H&H Ship Service Company in San Francisco, CA for disposal.	8/31/1994			
Free Product	•••		pa, lor our wa			
Soil	396 tons	Transported to B&J Landfill in Vacaville, CA for disposal.	1/22/2007			
Groundwater		****				

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

	Soil (	(ppm)	Water (ppb)		
Contaminant	Before	After	Before	After	
TPH (Gas)	1,800	600	90,000(1)	2,200(1)	
TPH (Diesel)	1,500	420	750,000(1)	800(1)	
TPH (Motor Oil)	38	<5	28,000(2)	270(2)	
Benzene	2.2	<0.005	140(1)	1(1)	
Toluene	2.2	<0.1	1.5(3)	<0.5(3)	
Ethylbenzene	3.1	<0.1	77(1)	3.9(1)	
Xylenes	4.9	<0.1	20(4)	3.2(4)	
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	9.6(5)	9.6(5)	29(6)	29(6)	
MTBE	<0.05(7)	<0.05(7)	<0.005(8)	<0.005(8)	
Other (8240/8270)	<0.005(9)	<0.005(9)	<0.5(10)	<0.5(10)	

#### Footnotes:

- (1) The maximum concentration before cleanup is from a grab groundwater sample collected from boring SB-9 on 01/07/2005; the maximum concentration after cleanup is from a groundwater sample collected from extraction well EX-1 on 01/30/2007.
- (2) The maximum concentration before cleanup is from a grab groundwater sample collected from boring SB-22 on 01/17/2006; the maximum concentration after cleanup is from a groundwater sample collected from extraction well EX-1 on 01/30/2007.
- (3) The maximum concentration before cleanup is from a grab groundwater sample collected from boring SB-2 on 01/07/2005; the maximum concentration after cleanup is from a groundwater sample collected from extraction well EX-1 on 01/30/2007.
- (4) The maximum concentration before cleanup is from a grab groundwater sample collected from boring SB-6 on 01/07/2005; the maximum concentration after cleanup is from a groundwater sample collected from extraction well EX-1 on 01/30/2007.
- (5) Lead = 9.6 ppm; nickel = 72 ppm; chromium = 52 ppm; and zinc = 53 ppm.
- (6) Lead = 29 ppb; no other metals analyzed.
- •(7) MTBE <0.05 ppm; TBA, TAME, ETBE, DIPE, EDB, and EDC not detected at various reporting limits.
- (8) MTBE <0.005 ppb; TBA, TAME, ETBE, DIPE, EDB, and EDC not detected at various reporting limits.
- (9) PCE <0.005 ppm; no other VOCs detected at various reporting limits.
- (10) PCE <0.5 ppb; TCE <0.5 ppb; chloroform = 23 ppb; bromochloromethane = 1.5 ppb; no other VOCs detected at various reporting limits.

Site History and Description of Corrective Actions:

The site is currently a vacant lot located on the southwest corner of East 27<sup>th</sup> Street and 26<sup>th</sup> Avenue in Oakland, California. Surrounding land use is residential. Planned development for the site consists of two residential housing units.

A gasoline service station and repair garage operated at the site from 1927 through 1994. On August 30 and 31, 1994, four 500-gallon gasoline USTs and one 100-gallon waste oil UST were removed. Soil sample results from the bottom of the tank pit excavations contained TPH as gasoline at concentrations up to 930 ppm. Petroleum hydrocarbons were not detected in soil samples collected beneath the former dispenser islands. Upon completion of the soil sampling, the excavations were lined with plastic and backfilled with the stockpiled soil removed from the excavation. According to the tank removal report, backfilling of the tank pit excavations with contaminated soil was meant as a temporary measure to protect the stability of excavation sidewalls and adjacent streets. Re-excavation and off-site disposal of the contaminated backfill was recommended but not implemented until excavation in 2006.

Despite requests for work by ACEH, no investigation or remediation was conducted at the site between the tank removal in 1994 and the preparation of a Phase I Environmental Site Assessment in 2001. Notices of Violation were issued on May 25, 1995 and May 13, 1996. A Pre-Enforcement Review Hearing was held on September 4, 1996. The case was referred to the Alameda County District Attorney's office for enforcement on September 22, 1999.

On June 19, 2002 three soil borings (EB-1, EB-2, and EB-3) were advanced in each of the three former tank pits for soil and groundwater sampling. The borings were converted into monitoring wells; however, the wells were destroyed after one sampling event. TPHg was detected in soil from the two soil borings in the former gasoline tank pits at concentrations up to 1,800 ppm. TPHg was detected in groundwater from one of the three wells (EB-2) at a concentration of 93 ppb. TPHd was detected in groundwater from each of the three wells at concentrations ranging from 56 to 360 ppb. Benzene was detected in one of three groundwater samples at a concentration of 0.97 ppb. MTBE was not detected in any soil or groundwater samples.

In January 2005, ten soil borings (SB-1 through SB-10) were advanced at the site for collection of soil and groundwater samples. The maximum concentrations of TPHg and TPHd detected in soil from the ten borings were 61 ppm and 52 ppm, respectively. Grab groundwater samples collected from the borings contained up to 90,000 ppb of TPHg and 750,000 ppb of TPHd. The maximum concentration of benzene detected in grab groundwater samples was 140 ppb.

In February 2006, an additional 14 soil borings (SB-11 through SB-24) were advanced both on-site and off-site. Soil samples were collected at 2-foot intervals and a grab groundwater sample was collected from each soil boring. The maximum concentrations of TPHg and TPHd detected in soil from the 14 borings were 250 ppm and 490 ppm, respectively. TPHg was detected in 3 of the 14 grab groundwater samples at concentrations ranging from 51 to 1,500 ppb. Benzene was not detected in any of the grab groundwater samples. TPHd was detected in 9 of the 14 grab groundwater samples at concentrations ranging from 89 to 3,600 ppb. TPH as motor oil was detected in 8 of the 14 grab groundwater samples at concentrations ranging from 310 to 28,000 ppb.

One soil boring (SB-25) was advanced to a depth of 27 feet bgs to collect depth-discrete grab groundwater samples to define the vertical extent of contamination on September 20, 2006. Based on the results from SB-25, no further assessment of the vertical extent of contamination was proposed.

Approximately 396 tons of contaminated soil was excavated on December 1 and 2, 2006. The excavations were backfilled with clean, imported fill. At two locations, the concentration of TPHg in sidewall confirmation soil samples exceeded the target cleanup level of 100 ppm. Excavation was reportedly not continued at these two locations due to the proximity of the excavation to the sidewalk along East 27<sup>th</sup> Street and instability of the excavation walls. In response to ACEH concerns regarding the extent and effectiveness of the excavation, eight soil borings (CS-1 through CS-8) were advanced outside the excavation walls to confirm the effectiveness of the soil removal. TPHg, TPHd, and BTEX were not detected at concentrations exceeding reporting limits in soil samples from confirmation borings CS-1 through CS-8.

To assess the potential for vapor intrusion to indoor air, soil vapor samples were collected from six locations (SV-1 through SV-6), three from the footprint of each planned residence in February 2008. Although petroleum hydrocarbons were not detected at concentrations exceeding screening levels, trichloroethene (TCE) was detected at a concentration of 5.7 micrograms per liter ( $\mu$ g/L) in one soil vapor sample (SV-4). In March 2010, soil vapor samples were collected from six locations (SV-8 through SV-13) adjacent to or surrounding SV-4. TCE was not detected above a reporting limit of 0.1  $\mu$ g/L in any of the soil vapor samples collected in March 2010.

#### 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. Site Management Requirements: None. Should corrective action be reviewed if land use changes? No Date Recorded: --Was a deed restriction or deed notification filed? No Monitoring Wells Decommissioned: No Number Decommissioned: 0 Number Retained: 6 List Enforcement Actions Taken: Notice of Violation dated May 23, 1995, Second Notice of Violation dated July 6, 1996, Final Notice of Violation dated May 13, 1996, Pre-Enforcement Review Panel on September 4, 1996, Letters from District Attorney dated November 17, 1999 and February 28, 2000, and Notice to Comply dated June List Enforcement Actions Rescinded: All

## V. ADDITIONAL COMMENTS, DATA, ETC.

#### Considerations and/or Variances:

Residual soil contamination remains in place at the margins of the remedial excavation typically at depths of 5 to 9 feet bgs adjacent to East 27<sup>th</sup> Street. The concentration of TPHg exceeded the target cleanup level of 100 ppm at two locations in sidewall confirmation soil samples. The residual contamination likely extends north beneath East 27<sup>th</sup> Street. Based on the results of confirmation soil samples collected from direct push borings outside the limits of the excavations, the residual contamination appears to be limited in extent. TPHg, TPHd, and BTEX were not detected in soil samples collected from the confirmation soil borings. Therefore, the residual contamination does not appear to pose a risk to site residents or nearby residents.

#### 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 based upon the information available in our files to date. No further investigation or cleanup for the fuel leak case is necessary. ACEH staff recommend case closure for this fuel leak site.

## VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham	Title: Senior Hazardous Materials Specialist
Signature: Signature:	Date: 06/01/10
Approved by: Donna L Drogos, P.E.	Title: Chief
Signature:	Date: 06/01/10

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: 06/02/10	

# VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: 06/11 /10	Date of Well Decommissioning Report: 06/10/11			
All Monitoring Wells Decommissioned: $gamma\ \mathcal{C}_{\mathcal{S}}$	Number Decommissioned: 6 Number Retained: 6			
Reason Wells Retained: NR				
Additional requirements for submittal of groundwater data from retained wells: No we				
ACEH Concurrence - Signature:	William Date: 06/22/11			

## Attachments:

- 1.
- Vicinity Map (1 pp)
  Site Plans and Boring Location Maps (6 pp) 2.
- Soil Analytical Data (6 pp) 3.
- 4.
- Soil Vapor Analytical Data (3 pp) Groundwater Analytical Data (4 pp) 5.
- Boring Logs (32 pp) 6.

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:

Cherie MCcaulou [CMccaulou@waterboards.ca.gov]

Sent:

Wednesday, June 02, 2010 11:30 AM

To:

Wickham, Jerry, Env. Health

Subject:

Re: Closure summaries for 506-510 International and 2547 East 27th, Oakland

Jerry - Thanks for the notification. We have no objection to ACEH's recommendation for case closure of Case nos. RO00396 and RO02853.

Sincerely,

Cherie McCaulou
Engineering Geologist
San Francisco Bay Regional Water Quality Control Board
<a href="mailto:cmccaulou@waterboards.ca.gov">cmccaulou@waterboards.ca.gov</a>
510-622-2342

>>> "Wickham, Jerry, Env. Health" <<u>jerry.wickham@acgov.org</u>> 6/2/2010 10:05 AM >>> Hi Cherie,

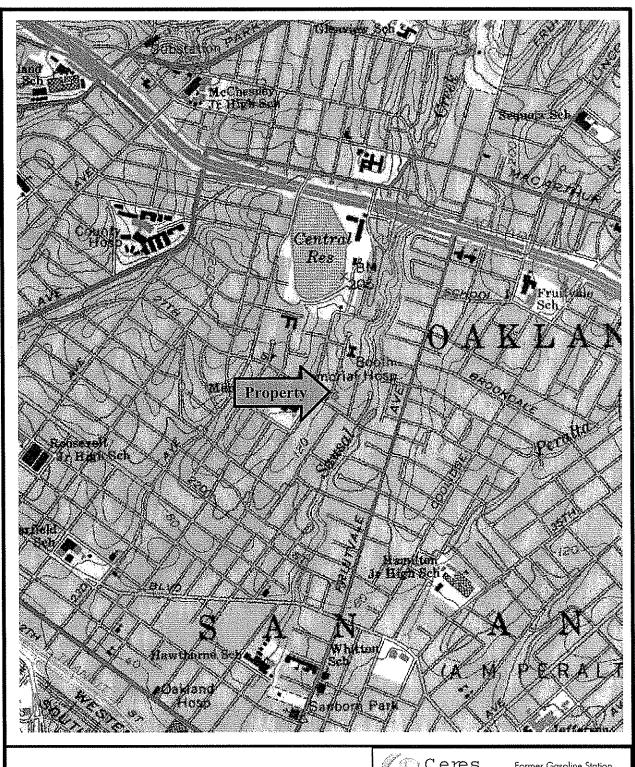
The following sites are recommended for case closure. Attached are the closure summaries.

Shell, 506-510 International, Oakland Thorpe Property Gas Station, 2547 East 27<sup>th</sup> Street, Oakland

Regards,

Jerry Wickham Alameda County Environmental Health 1131 Harbor Bay Parkway Alameda, CA 94502 510-567-6791

jerry.wickham@acgov.org



N equals 20

1 inch equals 2000 feet

## Map Taken From:

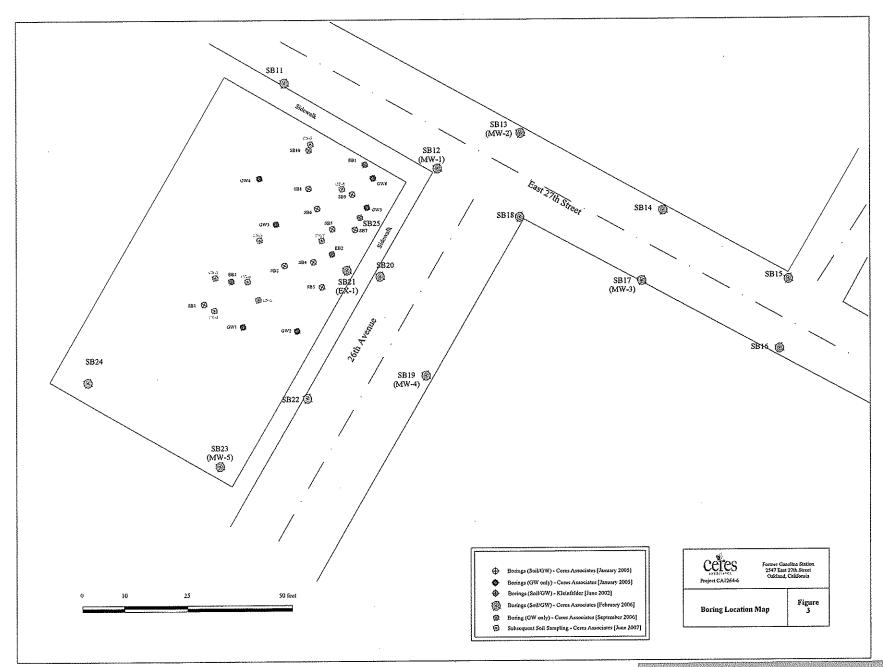
United States Geological Survey 7.5 Minute Topographic Series Oakland East, California Quadrangle

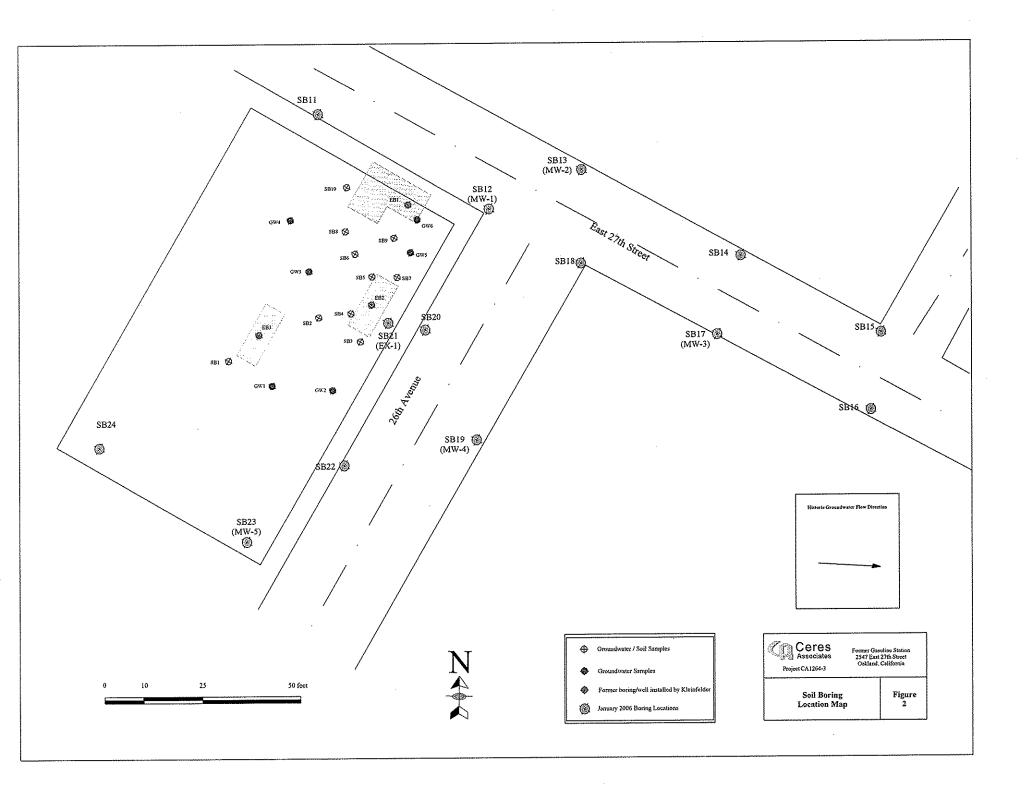


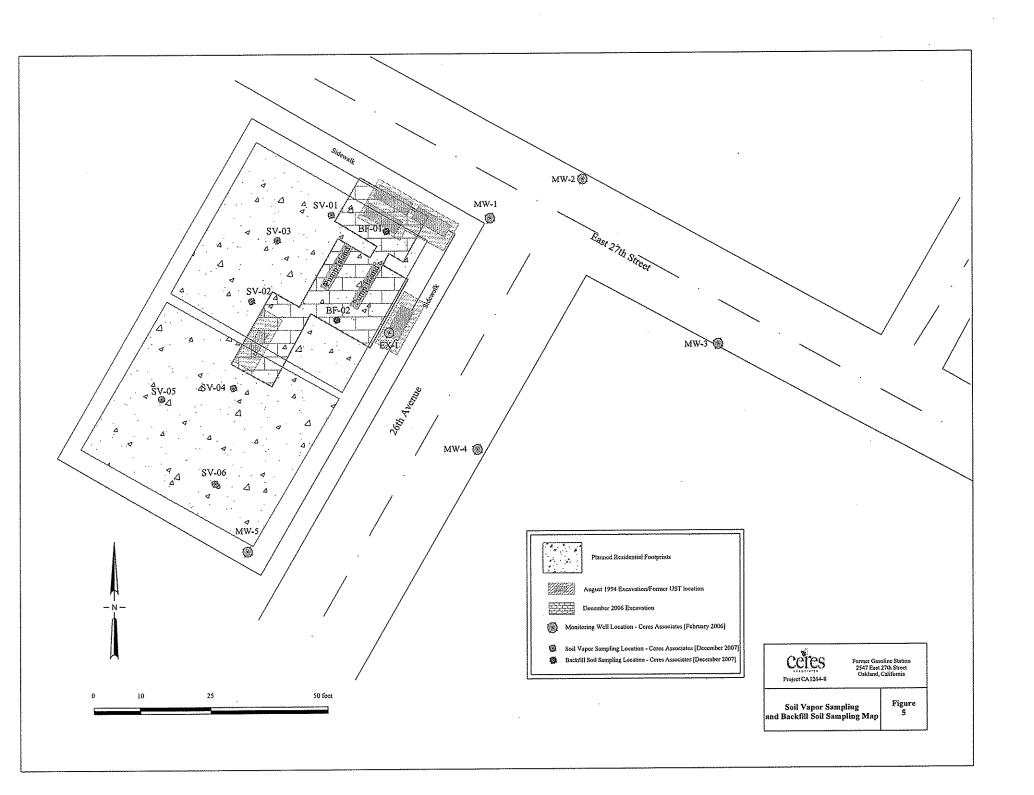
Former Gasoline Station 2547 East 27th Street Oakland, California

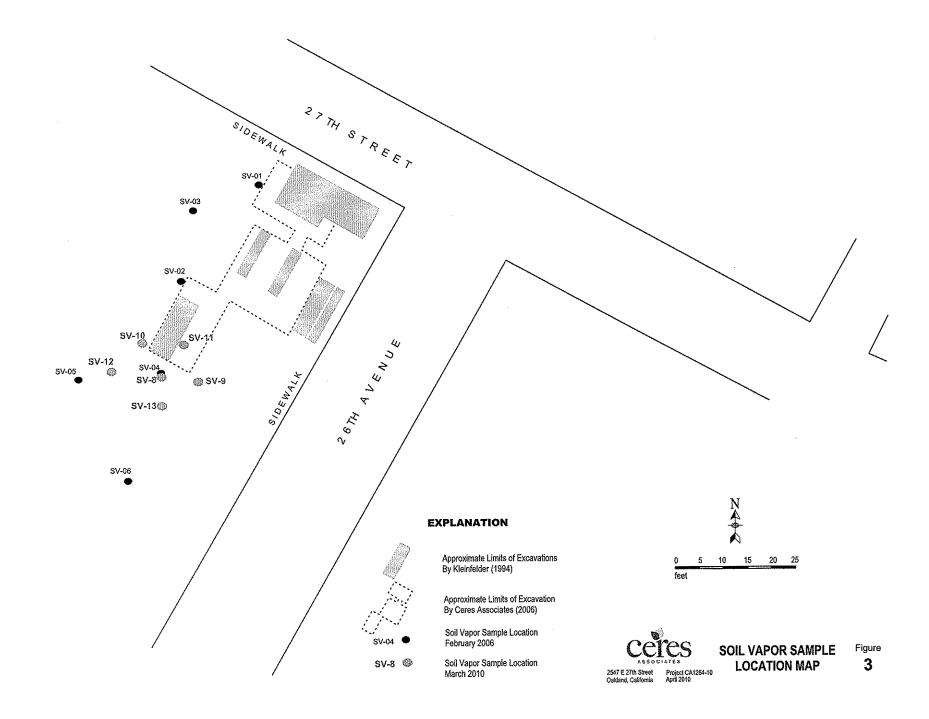
PROPERTY LOCATION MAP

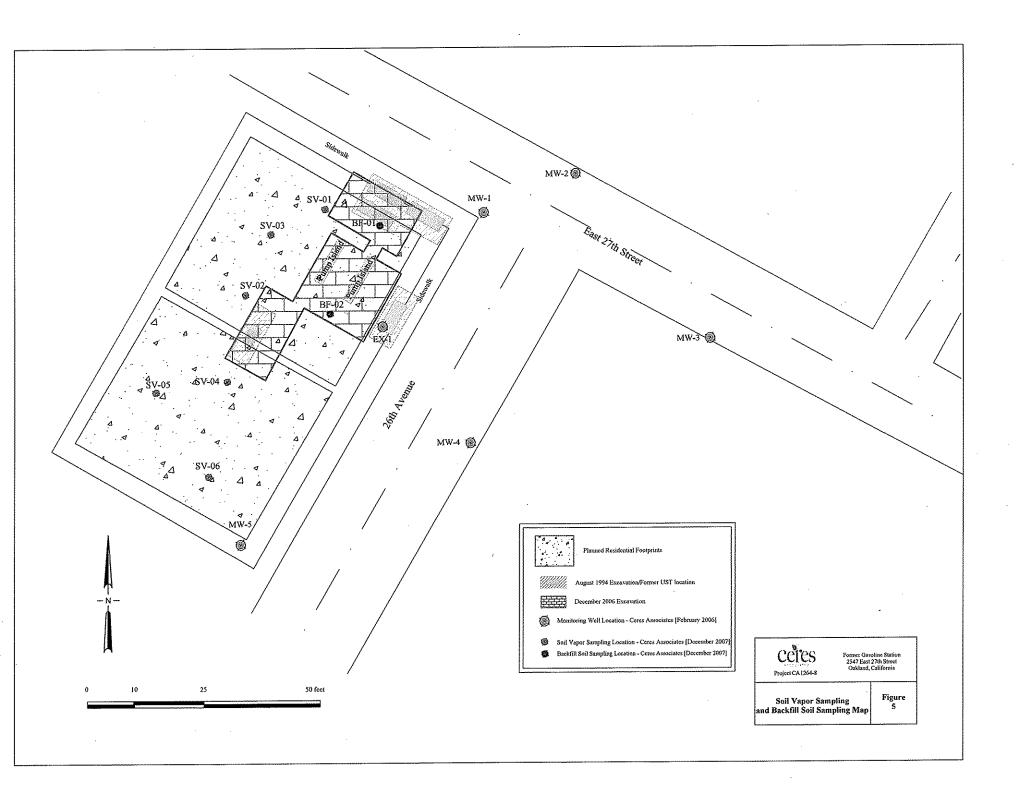
FIGURE 1











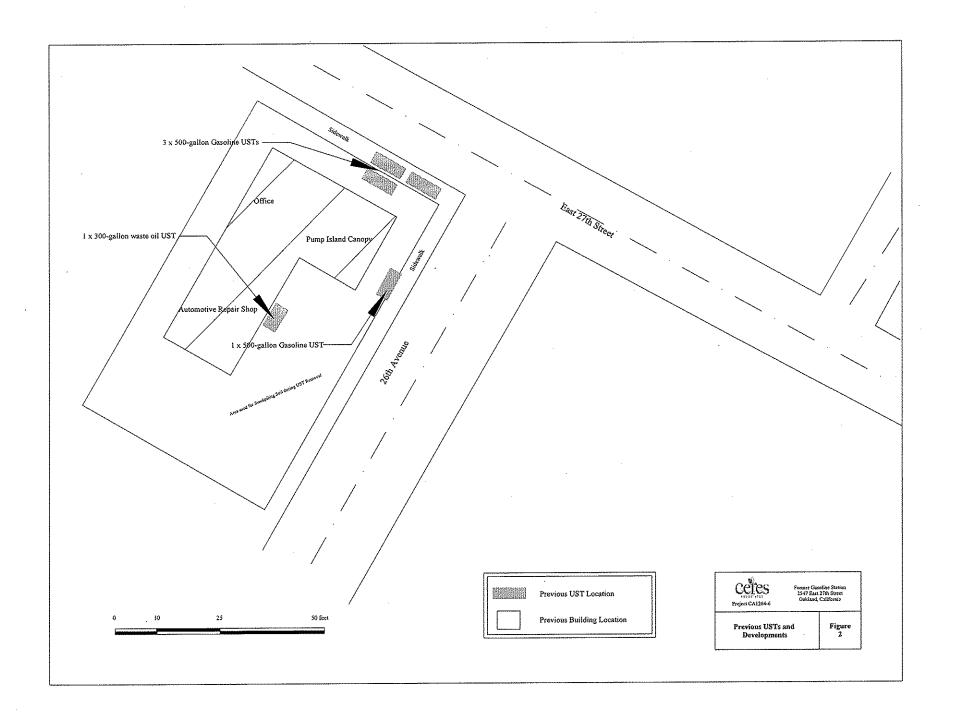


Table 1: Soil Sampling During UST Removal - August 1994

Site:

2547 East 27th Street, Oakland, California August 30 and 31, 1994

Sampling Dates:

# Soil Sample Results

		TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	Oil & Grease
ESL (Table A-1): Residential Site, shallow soils, where Groundwater IS a current or potential source of drinking water		100	100	0.044	2.9	3.3	2.3	500
Sample	Sample Location*		conce	entrations are rep	oorted in milligr	ams per kilogram,	mg/Kg	
1	Fill end of UST-A	390		0.17	0.35	0.63	0.76	
2	Between UST-A and UST-B	5.4		0.03	0.01	0.03	0.02	
3	Fill end of UST-B	930		2.2	2.2	2.7	3.3	
4	Fill end of UST-C	0.2	NA	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA
5	Fill end of UST-D	ND<0.2		ND<0.005	ND<0.005	ND<0.005	ND<0.005	-
6	Beneath South Pump Island	1		ND<0.1	ND<0.1	ND<0.1	ND<0.1	
7	Beneath North Pump Island	110		ND<0.005	ND<0.005	ND<0.005	ND<0.005	
8	Fill end of UST-E	1.1	ND<10	ND<0.005	ND<0.005	ND<0.005	ND<0.005	170
STKP-East	Stockpiled soil	750	NIA	0.36	0.66	1.4	1.8	NA
STKP-West	Stockpiled soil	860	NA .	ND<0.005	0.72	1.9	2.1	* ** *

# **Abbreviations and Notes**

TPHg TPHd	total petroleum hydrocarbons as gasoline using US EPA method 8015C total petroleum hydrocarbons as diesel using US EPA method 8015C
*	Sample locations provided by UST Removal report, dated September 1994, by Aqua Science Engineers
ESL	Environmental Screening Limit, published by San Francisco Bay Regional Water Quality Control Board (Feb. 2005)
ND ND < X	not detected below the method reporting limit not detected below an increased method reporting limit (see lab sheets for further details) not analyzed

Table 3: Ceres Associates Soil and Groundwater Sampling - January 2005

Sampling Dates:

2547 East 27th Street, Oakland, California January 7, 2005

#### Soil Sample Results

	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
ESL (Table A-1): Residential Site,					•	-	
shallow soils, where Groundwater IS	100	100	0.044	2.9	3.3	2.3	0.023
a current or potential source of	700	700					-
drinking water						.Nn	
Sample	*15		ntrations report ND	ea as mingrai ND	ms per kilogram, mg ND	ND ND	ND
SB1-5	ND	ND ND	ND	ND	ND	ND	ND
SB1-10	ND ND	ND ND	ND	ND	ND	ND	ND
SB2-5		ND	ND	ND	ND	ND	ND
SB2-10	ND 1.5	ND	ND	ND	ND	ND	ND
SB3-5 SB3-10	3.8	2.3	ND	ND	ND	ND	ND
\$B4-5	ND	ND	ND	ND	ND	ND	ND
\$84-\$ \$84-\$	32	10	ND	ND	0.034	0.011	ND
SB5-5	ND	ND	ND	ND	ND	ND	ND
SB5-10	61	46	0,007	ND	0.045	0.027	ND
\$B6-5	ND	ND	ND	ND	ND	ND	ND
SB6-10	41	35	0.024	ND	0.031	ND	ND<0.10
\$87-5	ND	ND	ND	ND	ND	ND	ND
SB7-10	2.3	1.5	ND	ND	ND	ND	ND
S88-5	ND	ND	ND	ND	ND	ND	ND
SB8-10	ND	ND	ND	ND	ND	ND	ND
SB9-5	32	52	ND	ND	0.017	0.013	ND
SB9-10	1.5	6.6	ND	ND	ND	ND	QN
SB10-5	ND	ND	ND	ND	ND	ND	ND
SB10-10	ND	ND	ND	ND	ND	ND	ND
			Groun	dwater Samp	le Results		
	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
ESL (Table F-1a): Groundwater IS a	100	100	1	40	30	20	5
current or potential source of	100	100	•	70			=
drinking water ESL (Table E-1a): Potential Vapor							
	use soil gas	use soil gas	540	380,000	170,000	160,000	24,000
Intrusion; High Permeability Soils,	use son gas	230 30n gus	575	344,442	,	,	
Residential Use Sample		cor	centrations rep	orted as micro	ograms per liter, μg	η/L,	
SB1 GW	ND	ND	1.3	1,5	ND	0.69	ND
SB2 GW	ND	ND	ND	NO	ND	ND	ND
SB3 GW	11,000	42.000	ND<5.0	ND<5.0	8.2	ND<5.0	ND<50
SB4 GW	4,600	24,000	ND<2.5	ND<2.5	4.1	3.8	ND<25
SB5 GW	6,000	12,000	6.8	ND<2.5	4.2	5.8	ND<25
SB6 GW	35,000	560,000	83	ND<10	34	20	ND<100
SB7 GW	21,000	250,000	21	ND<10	19	ND<10	ND<100
SB8 GW	1,000	3,900	ND	ND	ND	1.1	ND
SB9 GW	90,000	750,000	140	ND<50	77	ND<50	ND<500
SB10 GW	600	1,300	ND	ND	ND	0.7	ND
GW1	1,600	2,500	ND	ND	0,95	0.81	ND
GW2	830	620	ND	ND	0.72	ND	ND
GW3			1	0.51	ďИ	ND	ND
	ND	NA					N 173
GW4	ND	ND	0.66	ND	МD	ND	ND
GW5	ND 1,900	ND 2,300	0.66 4.3	ND QN	ND 1.7	ND 1.3	ND
	ND	ND	0.66	ND	МD	ND	

#### Abbreviations and Notes

TPHd	total petroleum hydrocarbons as gasoline using US EPA method 8015C total petroleum hydrocarbons as diesel using US EPA method 8015C methyl tertiary butyl ether using US EPA method 8021B
ESL	Environmental Screening Limit, published by San Francisco Bay Regional Water Quality Control Board (Feb. 2005)

NA ND NO < X not analyzed not detected below the method reporting limit not detected below an increased method reporting limit (see lab sheets for further details)

Table 1: Soil Sample Results

Reported in PPM

Sample	TPHg	TPHd	TPHho	TPHmo	Benzene	Toluene	Ethylbenzene	Xylenes	EDB	1,2-DCA	Lead
SB11-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.6
SB11-08	ND	ND	ND	ND	ND	ND	ND	ND	- ND	ND	7.1
SB11-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9
SB12-08	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	8.8
SB12-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB12-14	250	28	ND	ND	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.025	6.2
SB13-04	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	7.1
SB13-06	ND	1.3	5.1	5.1	ND	ND	ND	ND	ND	ND	6.3
SB13-08	ND	4.2	16	16	ND	ND	ND	ND	ND	ND	16
SB14-06	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	10
SB14-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
SB14-14	ND	2.1	ND	ND	ND	ND	ND	0.0075	ND	ND	9.1
SB15-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.9
SB15-12	ND	3.1	17	17	ND	ND	ND	ND	ND	ND	7.5
SB15-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7
SB16-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
SB16-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.7
SB16-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.8
SB17-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.2
SB17-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.8
SB17-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.9
SB18-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14
SB18-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.5
SB18-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB19-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.6
SB19-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.6
SB19-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
SB20-02	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND VID	12
SB20-08	3.6	14	ND	ND	ND	ND	ND	ND	ND	ND	7
SB20-12	5.1	12	38	38	ND	ND	ND	ND_	ND	ND	ND 44
SB20-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11
SB21-02	ND	1.4	ND	ND	ND	ND	ND -	ND	ND	ND	51
SB21-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16

(cont.)	1										
Sample	TPHa	TPHd	TPHho	TPHmo	Benzene	Toluene	Ethylbenzene	Xylenes	EDB	1,2-DCA	Lead
SB21-08	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	5.9
SB21-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.5
SB21-10 SB21-12	18	490	ND	ND	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	5.5
SB21-12 SB21-14	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	12
SB22-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.6
SB22-08 SB22-12	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2
SB22-12 SB22-14	H ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB23-08	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB23-06 SB23-12	ND ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	17
	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.1
SB23-14	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.1
SB24-08	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.1
SB24-12	ND ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1
SB24-14	eva v vesteresu v eritistas	IND	140		0.64	520	400	270	0.032	2.8	150
Res PRG		al an alakan ka katab	500	500	0.044	2.9	3.3	1.5	0.00033	0.0045	200
Res ESL	100	100	บบบ	200	· U.U.T	1	Isosocia - Asa - Constitution	Later of the State of Control of States	T 2000	T	

Exceeds ESL

# Confirmation Sampling Results Site:

2547 East 27th Street, Oakland, California

Sample	TPHg	TPHd	TPHmo/ho	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes
ESL (Table A-1): Residential Site, shallow soils, where Groundwater IS a current or potential source of drinking water	100	100	500	230	440	2.9	3.3	2.3
I-9-W	450	. 81	ND	ND	ND	ND	ND	-ND
I-9-E	1.7	ND	ND	ND	ND	ND	ND	ND
I-9-N	600	420	ND	ND	ND	ND	ND	1.1
I-9-S	7	1.2	ND	ND	ND	ND	ND	0.016
II-9-W/*	400	180	ND	ND	ND	ND	ND	1000
II-9-E	ND	ND	ND	ND	ND -	ND	ND	ND ·
II-9-N	ND	ND	ND	ND	ND	ND	ND	ND
II-9-S	ND	ND	ND	ND	ND	ND	ND	ND
III-9-W	ND	ND	ND	ND	ND	ND	ND	ND
III-8-E	ND	ND	ND	ND	ND	ND	ND	ND
III-9-N	ND	ND	ND	ND	ND	ND	ND	ND
III-9-S	ND	ND	ND	ND	ND	ND	ND.	ND

<u>Notes</u>

ESL

Environmental Screening Limits, San Francisco Bay Regional Water Quality Control Board (Feb 2005) This area was subsequently removed

Table 10: Ceres Associates Additional Soil Sampling - June 2007

Site:

2547 East 27th Street, Oakland, California

Sampling Dates:

June 25, 2007

Sample	TPHg	TPHd	TPHmo	Benzene (		Ethylbenzene ons reported in mill	<b>Xylenes</b> igrams per kilo <u>c</u>	Chromium gram, mg/Kg	Lead	Nickel	Zinc
ESL (Table A-1): Residential Site, shallow soils, where Groundwater IS a current or potential source of drinking water	100	100	500	0.044	2.9	3.3	2.3	58	150	150	600
CS1-5								52	ND	40 22	42 18
CS1-10								31	ND ND	22 25	18
CS2-5			ND					33 46	6.9	25 55	38
CS2-10			110					46	ND	19	16
CS3-5								30	9.6	72	53
CS3-10							N.C.	49	9.6 6.8	26	21
CS4-5	ND	ND	5.9	ND	ND	ND	ND	40	5.6	33	22
CS4-10								38	ND	19	13
C\$5-5								28 51	ND	35	30
CS5-10			ND						ND	32	26
CS6-10*			140					36	ND	32	20
CS7-10									NA		
CS8-10											

# Analytes that were reported as ND, but not listed here: PCBs, PNAs, PAHs, 1,4 Dioxane, Cadmium, and Total Oil and Grease

<sup>\*</sup> Sample 6-10 was analyzed one day outside of the hold time for volatile organic compounds (BTEX was within time frame)

<u>Key</u> ESL ND NA	Environmental Screening Limit, published by San Francisco Bay Regional Water Quality Control Board (Feb. 2005)  Not detected above the method reporting limit  Not analyzed
TPHg	Total petroleum hydrocarbons as gasoline
TPHd	Total petroleum hydrocarbons as diesel
TPHmo	Total petroleum hydrocarbons as motor oil



# Ceres Associates Project# CA1264-8 2547 East 27th Street, Oakland, California

SAMPLE NUMBER:		Probe	SV-01	SV-02	SV-03	SV-04	SV-04	SV-05	SV-05	SV-05	SV-06
		Blank		•	3	3	duр З	1	3	7	3
PURGE VOLUME:			3 3.0	3 3.0	3.0	3.0	3.0	3.0	3.0	3,0	3.0
SAMPLE DEPTH (feet):		12/28/07	12/28/07	12/28/07	12/28/07	12/28/07	12/28/07	12/28/07	12/28/07	12/28/07	12/28/0
COLLECTION DATE:		09:25	13:13	12:22	12:46	11:58	13:38	10:10	10:43	11:05	11:34
COLLECTION TIME: DILUTION FACTOR:		1	13.13	1	1	1	1	1	1	1	1
DILUTION FACTOR.	RL	,		,	,						
	0.10	nd	nd	nd	na	nd	nd	nd nd	nd nd	nd nd	nd nd
	0.10 0.10	nd nd	nd nd	nd nd	nd nd	nd nd	nd nd	nd nd	nd	nd	nd
	0.10	nd nd	nd	nd	nd	nd	nd	nd	nd	nd	nď
omomemane doroethane	0.10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ichlorofluoromethane	0,10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	0,10	nd	nd	nd	nd	nd	nd	nd	nd nd	nd nd	nd nd
24.7.0.10	0.10	nd	nd	nd nd	nd nd	nd nd	nd nd	nd nd	nd	nd nd	nd nd
nns-1,2-Dichloroethene	0.10 0.10	nd nd	nd nd	nd nd	nd nd	nd nd	nd	nd	nd	nd	nd
1-Dichloroethane 2-Dichloropropane	0.10	nd	nd nd	nd	nd	nd	nd	nd	nd	nd	nd
s-1,2-Dichloroethene	0.10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
hloroform	0.10	nd	nd	nd	na	nd	nd	nd	nd	nd	nd
omochloromethane	0.10	nd	nd	nd	nd	nđ od	nd nd	nd nd	nd nd	nd nd	nd nd
1,1-Trichloroethane	0.10	nd nd	nd nd	nd nd	nd nd	nd nd	nd nd	nd nd	nd nd	nd nd	nd nd
1-Dichloropropeпе arbon Tetrachloride	0.10 0.10	nd nd	nd nd	na nd	na nd	nd nd	nd nd	nd	nd	nd	nd
arpon Tetrachionae 2-Dichloroethane	0.10	nd	nd	nd	no	nd	nd	nd	nd	nd	nd
enzene	0.10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
richloroethene	0.10	nd	nd	nd	nd	5.7	3.4	nd	nd	nd	nd
2-Dichloropropane	0.10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd nd
romodichloromethane	0.10	nd	nd	nd	nd nd	nd nd	nd nd	nd nd	nd nd	nd nd	nd
ibromomethane	0,10 0.10	nd nd	nd nd	nd nd	nd nd	nd	nd	nd	nd	nd	nd
ans-1,3-Dichloropropene oluene	0.20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
s-1,3-Dichloropropene	0,10	nd	nd	nd	nd	nd	nd	nd	nd	no	nd
1,2-Trichloroethane	0.10	nd	nd	nd	no	nd	nd	nd	nd	nd	nd
2-Dibromoethane	0.10	nd	nd	nd	nd	nd	nd	nd	nd	nd nd	nd nd
3-Dichloropropane	0.10	nd	nd	nd	nd nd	nd nd	nd nd	nd nd	nd nd	na na	nd
etrachloroethene	0.10 0.10	nd nd	nd nd	nd nd	nd nd	nd nd	nd	nd	nd	nd	nd
ibromochloromethane hlorobenzene	0.10	nd nd	nd	nd	nd	nd	nd	пd	nd	nd	nd
thylbenzene	0.10	nd	nd ·	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-Tetrachloroethane	0.10	nd	nd	nd	nd	nd	nd	nd	nd	no	nd
,p-Xylene	0.20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd nd
Xylene	0,10	nd	nd	nd	nd nd	nd nd	nd nd	nd nd	nd nd	nd nd	nd nd
tyrene	0.10 0.10	nd nd	nd nd	nd nd	nd	nd	nd	nd	nd	nd	nd
romoform opropylbenzene	0.10	nd nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2,2-Tetrachloroethane	0.10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
2,3-Trichloropropane	0.10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
propylbenzene	0.10	nd	nd	nd	nd	nd	nd	nd 1	nd	nd	nd nd
romobenzene	0.10	nd	nd	nd	nd	nd nd	nd nd	nd nd	nd nd	nd nd	nd
3,5-Trimethylbenzene	0,10 0.10	nd nd	nd nd	nd nd	nd nd	nd nd	nd nd .	nd	nd	nd	nd
-Chlorotoluene -Chlorotoluene	0.10	nd nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
-Chlorololuene ert-Butylbenzene	0.10	nd	nd	nd	nd	no	nd	nd	nd	nd	na
2,4-Trimethylbenzene	0.10	nd	nd	nd	nd	กด	nd	nd	nd	nd	nd
ec-Butylbenzene	0.10	nd	nd	nd	nd	nd nd	nd nd	nd nd	nd nd	nd nd	nd nd
-Isopropyltoluene	0.10	nd nd	nd nd	nd nd	nd nd	nd nd	nd nd	na nd	na nd	nd	nd nd
,3-Dichlorobenzene	0.10 0.10	nd nd	na nd	na nd	nd nd	nd	nd	nd	nd	nd	nd
,4-Dichlorobenzene -Butylbenzene	0.10	nd nd	กต กต้	nd	nd	nd	nd	nd	nd	nd	nd
.2-Dichlorobenzene	0.10	nd	nd	nd	nd	nd	nd	nđ	nd	na	nd
2-Dibromo-3-chloropropane	0.10	· nd	nd	nd	nd	no	nd	nd	nd	nd	nd
2.4-Trichlorobenzene	0.10	nd	nd	nd	nd	nd	nd	nd d	nd	nd nd	nd nd
lexachlorobutadiene	0.10	nd	nd nd	nd	nd nd	nd nd	nd nd	nd nd	nd nd	nd nd	na nd
laphthalene ,2,3-Trichlorobenzene	0.10 0.10	nd nd	nd nd	nd nd	nd nd	nd nd	nd	nd	nd	nđ	nd
· '-					nd	nd	nd	nd	nd	nd	nd
ert-Butanol (TBA)	1.0 0.10	nd nd	nd nd	nd nd	na nd	no nd	nd nd	nd	nd nd	nd	nd
lethyl-t-butyl ether (MtBE) hisopropyl ether (DIPE)	0.10	nd nd	, nd	nd nd	nd	nd	nd	nd	nd	nd	nd
illsopropyi etner (DIFE) ithyl-t-butyl ether (EtBE)	0.10	nd	nd nd	nd	nd	nd	nd	nd	nd	nd	nd
ert-amyl methyl ether (TAME)	0.10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
PH (gasoline range)	5.0 50	nd nd	nd nd	8.4 nd	nd nd	nd nd	nd nd	nd nd	nd nd	nd nd	nd nd
PH (diesel range)	10	nd nd	nd	nd	, nd	nd	nd	nd	nd	nd	nd
,1 Diflouroethane (leak check)	10	nu	106%	106%	115%	113%	114%	108%	106%	112%	1159

<sup>&#</sup>x27;RL' Indicates reporting limit at a dilution factor of 1 'nd' Indicates not detected at listed reporting limits

Analyses performed by: Mr. Jon Edmondson



# Ceres Associates Project # CA1264-10 2547 East 27th Street, Oakland, California

TEG Project #00323D

EPA Method 8260B	VOC Analyses	of SOIL	<i>VAPOR</i>	in μg/L of Vap	or

SAMPLE NUMBER	;	Probe Blank	SV-8	SV-8	SV-8	SV-9
SAMPLE DEPTH (feet)	:		2.5	2.5	2.5	3.0
PURGE VOLUME			1	3	7	.3
COLLECTION DATE		3/23/10	3/23/10	3/23/10	3/23/10	3/23/10
COLLECTION TIME		09:25	10:35	10:54	11:13	11:45
DILUTION FACTOR (VOCs)		1.	1	1	1	1
Dichlorodifluoromethane	0.10	nd	nd	nd	nd	nd
Vinyl Chloride	0.10	nd	nd	nd ·	nd	nd
Chloroethane	0.10	nd	nd	nd	nđ	nd
Trichlorofluoromethane	0.10	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.10	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	0.10	nd	nd	nd	nd	nd
Methylene Chloride	0.10	nd	nd	nd	пd	nd
trans-1,2-Dichloroethene	0.10	nd	, nd	nd	nd	nd
1,1-Dichloroethane	0.10	· nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.10	nd	nd ·	nd	nd	nd
Chloroform	0.10	nd.	nd	nd	nd	nd
1,1,1-Trichloroethane	0.10	. nd	nd	nd	nd	nd
Carbon Tetrachloride	0.10	nd	nď	nd	nd	nd
1,2-Dichloroethane	0.10	nd .	nd	nd	nd	nd
Benzene	0.10	nd	nd	nd	nd	nd
Trichloroethene	0.10	nd	nđ	nd	nd	nd
Toluene	0.20	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.10	nd	nd`	nd	nd	nd
Tetrachloroethene	0.10	nd	nd	nd	nd	nd
Ethylbenzene	0.10	nd	nd	nd	nd	0.17
1,1,1,2-Tetrachloroethane	0.10	nd	nd	nd	nd	nd
m,p-Xylene	0.20	nd	nd	nd	nd	0.47
o-Xylene	0.10	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.10	nd	nd	nd	nd	no
1,1 Difluoroethane (leak check)	10	nd	nd	nd	. nd	nd
Surrogate Recovery (DBFM) Surrogate Recovery (Toluene-d8) Surrogate Recovery (4-BFB)		100% 104% 103%	99% 104% 98%	99% 104% 100%	98% 102% 99%	98% 105% 101%

'RL' Indicates reporting limit at a dilution factor of 1 'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab Analyses performed by: Ms. Stephanie Seymour

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# Ceres Associates Project # CA1264-10 2547 East 27th Street, Oakland, California

TEG Project #00323D

SAMPLE NUMBER.		SV-10	SV-11	SV-11 dup	SV-12	SV-13
SAMPLE DEPTH (feet).	•	2.0	3.0	3.0	2.5	3.0
PURGE VOLUME		3	3	3	3	3
COLLECTION DATE		3/23/10	3/23/10	3/23/10	3/23/10	3/23/10
COLLECTION TIME		12:10	12:27	12:47	13:14	13:30
DILUTION FACTOR (VOCs)		1	1	1	1	1
Dichlorodifluoromethane	0.10	nd	nd	nd	nd .	nd
/inyl Chloride	0.10	nd .	nd	nd ·	nd	nd
Chloroethane	0.10	nd	nđ	nd	nd	nd
Trichlorofluoromethane	0.10	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.10	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	0.10	nd	nd .	nd	nd	nd
Methylene Chloride	0.10	rid	nd	nd	nd	nd
ranș-1,2-Dichloroethene	0.10	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.10	nd	nd	nd .	nd	ņd
cis-1,2-Dichloroethene	0.10	nd	nd	nd	nd	na
Chloroform	0.10	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	0.10	nd	nd	nd '	nd	nd
Carbon Tetrachloride	0.10	nd	nd	nd	nd	nd
1,2-Dichloroethane	0.10	nd	nd	nd ·	nd	nd
Benzene	0.10	nd	nd	nd	nd	nd
Trichloroethene	0.10	nd	nd	nd	nd	nd
Toluene	0.20	nd	nd	nd	nd	. nd
1,1,2-Trichloroethane	0.10	nd	nd	nd	nd	nd
Tetrachloroethene	0.10	nd	nd	nd	, nd	nd
Ethylbenzene	0.10	0.25	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.10	nd	nd	nd	nd	nd
m,p-Xylene	0.20	0.67	nd	nd	nd	nd
o-Xylene	0.10	0.13	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.10	nd	nď	nd	nd	nd

99%

105%

101%

99%

104%

101%

'RL' Indicates reporting limit at a dilution factor of 1 'nd' Indicates not detected at listed reporting limits

1,1 Difluoroethane (leak check)

Surrogate Recovery (DBFM)

Surrogate Recovery (Toluene-d8) Surrogate Recovery (4-BFB)

Analyses performed in TEG-Northern California's lab Analyses performed by: Ms. Stephanie Seymour

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Phone: (916) 853-8010

nd

98%

103% 100% nd

101%

103%

99%

Fax: (916) 853-8020

nd

99%

104%

102%

Table 6: Ceres Associates Quarterly Groundwater Monitoring - August 2006 to April 2007

Site: 2547 East 27th Stree Sampling Dates: Multiple (see below) 2547 East 27th Street, Oakland, California

Well	(тос)	Sample Date	Depth to Groundwater (ft)	Groundwater Elevation (ft amsl)	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
			110	(ir ailisi)		Conc	entrations repo	rted as microg	rams per Liter	(µg/L)	······	
SL (Table	F-1a): Gro	undwater IS a cu	irrent or potential sc	ource of drinking								_
water					100	100	100	1	40	30	20	5
ESL (Table	E-1a): Pot	ential Vapor Intra	ısion; High Permea	bility Soils,								
Residential	Use				use soil gas	use soil gas	use soil gas	540	380,000	170,000	160,000	24,000
ΜV	<i>I-</i> 1	8/24/2006	4,63	104,12	ND	ND	NA	ND	ND	ND	ND	ND
108.		11/17/2006	4,50	104.25	ND	ND	ND	ND	ND	ND	ND	ND
		1/30/2007	4.14	104.61	ND	78	280	ND	ND	ND	ND	ND
		4/30/2007	4.04	104.71	ND	ND	ND	ND	ND	ND	ND	ND
MV	L2	8/24/2006	4.26	105.29	ND	78	NA	ND	ND	0.65	1.5	ND
109.		11/17/2006	4,16	105.39	ND	ND	ND	ND	ND	0.8	1.8	ND
100.		1/30/2007	4.29	105.26	ND	ND	ND	ND	ND	1	2	ND
		4/30/2007	4.53	105.02	ND	60	ND	ND	ND	ND	ND	ND
MV	1.3	8/24/2006	4.40	104.00	ND	ND	NA	ND	ND	ND	ND	ND
108		11/17/2006	3.92	104.48	ND	ND	ND	ND	ND	ND	ND	ND
700	47	1/30/2007	4,30	104,10	ND	ND	ND	ND	ND	ND	ND	ND
		4/30/2007	4.22	104.18	ND	ND	ND	ND	ND	ND	ND	ND
MV	LA	8/24/2006	4.87	103.02	ND	ND	NA	ND	ND	ND	ND	ND
107.		11/17/2006	3.75	104.14	ND	ND	ND	ND	ND	ND	ND	ND
, 0, .		1/30/2007	3.82	104.07	ND	ND	ND	ND	ND	ND	ND	ND
		4/30/2007	4.50	103.39	ND	ND	ND	ND	ND	ND	ND	ND
MV	L5	8/24/2006	5.00	103.65	ND	ND	NA	ND	ND	ND	ND	ND
108.		11/17/2006	3,30	105,35	ND	ND	ND	ND	ND	ND	ND	ND
, 50,		1/30/2007	3.22	105.43	ND	ND	ND	ND	ND	ND	ND	ND
		4/30/2007	3.20	105.45	ND	ND	ND	ND	ND	ND	ND	ND
EX	-1	8/24/2006	4.84	104.62	460	220	NA	ND	ND	ND	ND	ND
109.		11/17/2006	4.38	105,08	270	130	ND	ND	ND	ND	1.9	ND
700.		1/30/2007	4.00	105.46	2,200	800	270	1	. ND	3.9	3.2	ND<10
		4/30/2007	4.20	105,26	1,000	740	ND	ND	ND	1.7	2.4	ND

#### Abbreviations and Notes

μg/L TOC	micrograms per Liter elevation of well at the top of the casing, in feet above mean sea level	
TPHg TPHd TPHmo MTBE	total petroleum hydrocarbons as gasoline using US EPA method 8015C total petroleum hydrocarbons as diesel using US EPA method 8015C total petroleum hydrocarbons as motor oil using US EPA method 8015C methyl tertiary butyl ether using US EPA method 82608 and/or 8021B benzene, toluene, ethylbenzene, and xylenes were analyzed by US EPA method 8021B and 8260B (only the highest concentration was reported here)	
ESL	Environmental Screening Limit, published by San Francisco Bay Regional Water Quality Control Board (Feb. 2005)	
NA ND ND < X NE	not analyzed not detected below the method reporting limit not detected below an increased method reporting limit (see lab sheets for further details) not yet an established value  ATTACHMENT 5	

Table 2: Kleinfelder Soil and Groundwater Sampling - June 2002

Site:

2547 East 27th Street, Oakland, California

Sampling Dates:

June 19, 2002

#### Soil Sample Results

				3	on Sample	Results			
	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Lead
ESL (Table A-1): Residential Site, shallow soils, where Groundwater IS a current or potential source of drinking water	100	100	500	0.044	2.9	3.3	2.3	0.023	150
Boring			concent	rations repo	orted as mill	igrams per kilograr	n, mg/Kg		
EB-1 @ 4.5 ft bgs	1200	650	14	ND<0.5	0.62	1.6	3.3	ND<5.0	24
EB-2 @ 5.5 ft bgs	1800	1500	ND<500	ND<1	ND<1	3.1	4.9	ND<10	4.4
EB-3 @ 4 ft bgs	ND	ND	ND	ND	0.0054	ND	ND	ND	3.8
				Groui	ndwater Sa	mple Results			
	TPHg	TPHd	TPHmo	Groun Benzene	ndwater Sa Toluene	mple Results Ethylbenzene	Xylenes	MTBE	Lead
ESL (Table F-1a): Groundwater IS a current or potential source of drinking water	TPHg 100	TPHd 100	TPHmo			•	Xylenes	<b>MTBE</b> 5	Lead 2,5
a current or potential source of	•			Benzene	Toluene	Ethylbenzene	-		
a current or potential source of drinking water ESL (Table E-1a): Potential Vapor Intrusion; High Permeability Soils, Residential Use	100	100 use soil	100 use soil gas	Benzene 1 540	<b>Toluene</b> 40 380,000	Ethylbenzene	20 160,000	5	2.5
a current or potential source of drinking water  ESL (Table E-1a): Potential Vapor Intrusion; High Permeability Soils, Residential Use  Boring	100	100 use soil	100 use soil gas	Benzene 1 540	<b>Toluene</b> 40 380,000	Ethylbenzene 30 170,000	20 160,000	5	2.5
a current or potential source of drinking water ESL (Table E-1a): Potential Vapor Intrusion; High Permeability Soils, Residential Use	100 use soil gas	100 use soil gas	100 use soil gas conce	Benzene  1  540 entrations re	Toluene 40 380,000 eported as n	Ethylbenzene 30 170,000 nicrograms per litel	20 160,000 r, μg/L ND 1.3	5 24,000 ND ND	2.5 NE ND ND
a current or potential source of drinking water  ESL (Table E-1a): Potential Vapor Intrusion; High Permeability Soils, Residential Use  Boring  EB-1	100  use soil gas ND	100 use soil gas 56	use soil gas conce ND	Benzene  1  540 entrations re	Toluene 40 380,000 eported as n	Ethylbenzene 30 170,000 nicrograms per liter ND	20 160,000 r, μg/L ND	5 24,000 ND	2.5 <i>NE</i> ND

# Abbreviations and Notes

TPHg TPHd TPHmo MTBE	total petroleum hydrocarbons as gasoline using US EPA method 8015C total petroleum hydrocarbons as diesel using US EPA method 8015C total petroleum hydrocarbons as motor oil using US EPA method 8015C methyl tertiary butyl ether using US EPA method 8260B and/or 8021B
ESL	Environmental Screening Limit, published by San Francisco Bay Regional Water Quality Control Board (Feb. 2005)
NA ND ND < X NE	not analyzed not detected below the method reporting limit not detected below an increased method reporting limit (see lab sheets for further details) no established value

Table 2: Groundwater Sample Results
Reported in PPB

Sample	TPHg	TPHd	TPHho	TPHino	Benzene	Toluene	Ethylbenzene	Xylenes	EDB	1,2-DCA	Lead
SB11-GW	ND	150	730	730	ND	ND	ND	ND	ND	ND	29
SB11-GW SB12-GW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB12-GW SB13-GW	ND	1300	7900	7900	ND	ND	ND	ND	ND	ND	ND
SB14-GW	74	190	400	400	ND	ND	ND	1.7	ND	ND	19
SB15-GW	ND	790	4900	4900	ND	ND	ND	ND	ND	ND	19
SB16-GW	ND	ND	310	310	ND	ND	ND	ND	ND	ND	ND
SB17-GW	ND	ND	ND	ND	ND	1.4	ND	0.51	ND	ND	2.4
SB18-GW	ND	470	2300	2300	ND	ND	ND	ND	ND	ND	17
SB19-GW	51	89	ND	ND	ND	ND	ND	ND	ND	ND	2.5
SB20-GW	ND	280	2200	2200	ND	ND	ND	ND	ND	ND	18
SB21-GW	1500	910	ND	ND	ND	ND	1.3	1.8	ND	ND	16
SB22-GW	ND	3600	28000	28000	ND	ND	ND	ND	ND	ND	19
SB23-GW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13
SB24-GW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
Res ESL	100	100	100	100		40	30	13	0.05	0.5	2.5
MCL		-		See Experience	1	150	300	1,750	0.05	0.5	

Exceeds ESL

Table 5: Ceres Associates Deeper Groundwater Sampling - September 2006

Site:

2547 East 27th Street, Oakland, California

Sampling Dates:

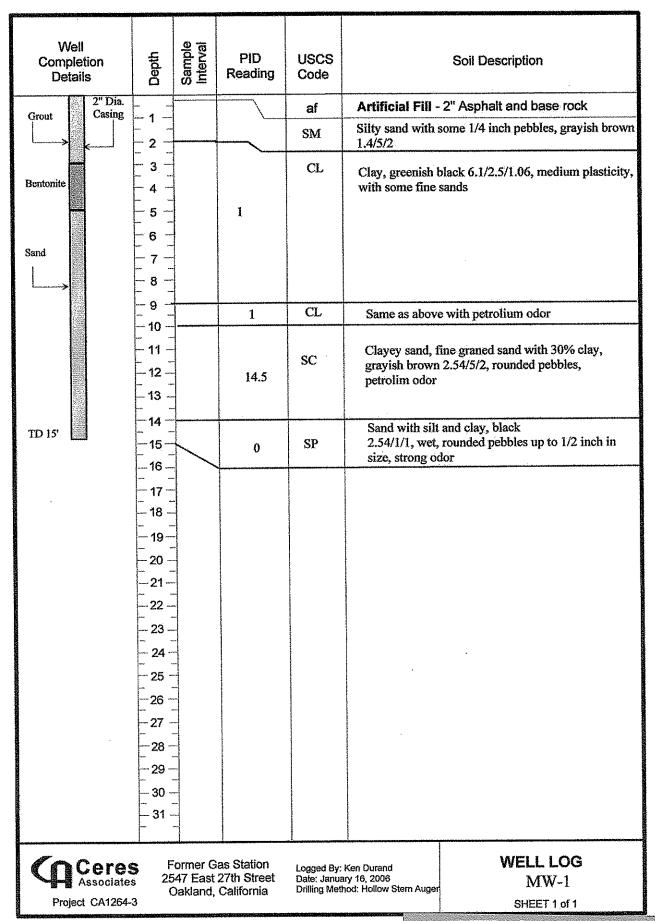
September 20, 2006

	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
ESL (Table F-1a): Groundwater IS a current or potential source of drinking water	100	100	100	1	40	30	20	5
ESL (Table E-1a): Potential Vapor Intrusion; High Permeability Soils, Residential Use	use soil gas	use soil gas	use soil gas	540	380,000	170,000	160,000	24,000
Target Depth			Concenti	rations repor	ted as microg	rams per liter, μg/L		
13 ft bgs	ND	ND	ND	ND	ND	ND	ND	ND
21 ft bgs	ND	ND	ND	0.84	ND	ND	ND	ND

# **Abbreviations and Notes**

ESL Environmental Screening Limit, published by San Francisco Bay Regional Water Quality Control Board (Feb. 2005)

ND not detected below the method reporting limit



Well Completion Details	Depth	Sample Interval	PID Reading	USCS Code		Soil Description
Grout 2º Dia. Casing	_ 1			af	Artificial Fill -	2" Asphalt and base rock
Bentonite	- 1 - - 2 -		3	SP	Sand, medium f in size, damp	ine sand with pebbles up to 1 inch
	- 3 -		o	SP	Sand with 1/2 inc	ch rounded pebbles, sh brown, 1.04/4/1/1, no odor
Sand	5 - 6 - 7 -	The state of the s	o	SP	Coarse sand with dark brown 1.4/3	n pebbles up to 1/4 inch in size, wet, 8/3, no odor
TD 8'	8 -	We	Il stonned at 8'1	os hecause s	ubsurface concrete like	9
	- 9 -	ma	erial was encou	ntered.		
	- 10 - - 11 -					
	12 -				ma. do 120 miles - 150 miles -	
	13 -					
	14	-				
	-15 - -16 -	-	****			
	- 10 - - 17 -	-	American de la companya de la compan			
	18 -	-				
	19	-  -  -				,
	-20	angs.				
	-21- -22-					
	23 -					
	_ 24					
NEW TOTAL STATE OF THE STATE OF	_ 25					
	26	_	4			
	27					
	- 28 - 29		The second secon			
	-30				¥	
	31		walk and have with high later party.			
Cere:	<b>s</b> ,		Gas Station 27th Street	Logged By	: Ken Durand ary 16, 2006	WELL LOG MW-2

Well Completion Details	Depth	Sample Interval	PID Reading	USCS Code		Soil Description
2" Dia. Grout Casing				af	Artificial Fill -	2" Asphalt and base rock
Grout Casing	2 -		0	SP	diameter, brown	
	3 =		0	SP	Medium fine sar 1.04/4/3, damp,	nd with some silt and clay, brown no odor
Bentonite.	- 5 -		0	SC		ne sand with clay, dark gray 2.54/4/1,
Sand	6 - 7 - 8 - 9 10 - 10 - 10 - 10 - 10 - 10 - 1		0	SC	Clayey sand, fi 2.54/3/3, damp	ne sand with clay, dark olive brown
TD 15'	- 10 - - 11 - - 12 - - 13 - - 14 -		0	SC	Clayey sand, fi brown, 2.54/4/	ne grained sand with clay, olive 1, moist
	- 16 17 18 19 20 21 23 24 25 - 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 - 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 - 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 - 2	-				
Care Associate	s 2	Former G	Gas Station 27th Street California	Logged By: Date: Janual Drilling Meth	Ken Durand ry 17, 2006 lod: Hollow Stem Auger	WELL LOG MW-3 SHEET 1 of 1

Well Completion Details	Depth	Sample Interval	PID Reading	USCS Code	Soil Description
2" Dia, Grout Casing	1 -			af	Artificial Fill - 2" Asphalt and base rock
Bentonite	3 - 4 - 5 - 6 - 6		2.4	CL	Clay with small layers of fine gravel sand, very dark grayish brown, 2.54/3/2, damp
Sand	7-		1.7	CL	Clay with layers of fine gravel sand, dark grayish brown 2.54/3/2, damp
	9 -		2	SC	Clayey sand, fine to medium sand with clay, oliv brown 2.54/4/4, moist
	10 11 12 13 14		2.4	SC	Same as above, wet
TD 15"	- 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 29 - 30 - 31				
Cere Associate Project CA1264	S 2	547 East	Gas Station 27th Street California	Date: Janua	Ken Durand ary 17, 2006 MW-4 hod: Hollow Stem Auger SHEET 1 of 1

Well Completion Details	Depth	Sample Interval	PID Reading	USCS Code		Soil Description
Grout 2" Dia. Casing	1 - 2 -		4	SM	Silty sand, me very dark gra	edium to fine grained sand and silt, yish brown 104R/3/5, damp
Bentonite	3 4 5		0	CL	Clay with sa	nd pebbles, black 104R/2/1, wet
Sand	- 6 - - 7 - - 8 - - 9 -	Control of the Contro	0	SC	Clayey sand, up to 1 inch 2.5/4/3, wet	, sand with clay and some pebbles in diameter, olive brown
	- 10 - - 11 - - 12 -		0	CL	Clay wit 5% 2.54/2.5/1, v	"rock" fragments, black vet
	13 - 14 -		0	SP	Sand with so brown 104R/	me silt and clays, dark yellowish /3/6, damp
TD 15'	- 15 - 16 - 17 - 18 - 19 - 19 - 19 - 19 - 19 - 19 - 19					
Ceres Associate Project CA1264-	s 25	547 East	eas Station 27th Street California	Logged By: K Date: January Drilling Metho	en Durand 17, 2006 d: Hollow Stem Auger	WELL LOG MW-5 SHEET 1 of 1

Well Completion Details	Depth	Sample Interval	PID Reading	USCS Code		Soil Description
Grout 4" Dia. Casing	1 - 2 - 3 - 4 - 5 - 5 - 5		44	CL	Clay with son	ne silt and sand, black 5/2.5/1
Sand	- 6 - - 7 - - 8 -		9	CL	Silty clay wit 5/2.5/1, mois	h some "rock" pebbies, black t
	- 10 - - 11 - - 12 - - 13 - - 14 -		0 107 6	· CL	Silty clay v 5/5/3	vith some silt, moist/wet, olive
TD 15'	- 15 - 16 - 17 - 18 - 19 - 20 - 21 - 23 - 24 - 25 - 26 - 27 - 28 - 29 - 30 - 31					
Cere Associate Project CA1264	es 2	547 East	Gas Station t 27th Street , California	Logged By: I Date: Janua Drilling Meth	Ken Durand ry 17, 2006 od: Hollow Stem Auger	WELL LOG EX-1 SHEET 1 of 1

SHEET 1 of 1

Project CA1264-3

	Date Completed: \$119102				······································		Sampler: Macro-Core System EC-5 Method: 3" O.D. Sampler						
Lo	gged By:				G. Knopp	-	Hammer Wit: Vibratory Push Location: northeast corner of property						
То	tal Depth	);	******		19.0 ft		Elevation: approx. 110'						
Dippli (Fee)	Number	ed/ Faiduse	Blows/Foot	Recovery (%)	(mud) (gum)	USCS	Description	Romark					
1 2 3 4 5 6 5			TOTAL TO		37 170 117 75	THE VIEW	SANDY GRAVEL (GW), brown, slightly moist, fine to coarse grained gravel, fine grained sand  hand dug to 4' until free hydrocarbon product observed in soil  SILTY CLAY WITH SOME SAND (CL), dark gray-brown to black, moist, very fine grained sand, free hydrocarbon product in soil highly plastic	The state of the s					
7 8 9			et mellet 1999 (Albert Mellet, "Albert Albert Mellet Mellet Albert Mellet Mellet Mellet Mellet Mellet Mellet M	A PROPERTY OF THE PROPERTY OF	75 31 157 19 11 56 4 4 4 2 3 2 9 0.3 0.4		- no sand, olive-gray to olive-brown - olive-gray						
12 13 14 15 –			The second secon		1.2 0.9 0.3 0.4 3 0 0		- some fine grained sand present, very moist SANDY CLAY (SC), orange-brown, fine to coarse grained sand, wet at 14' - some fine grained angular to subangular chert gravel present, fine to coarse grained sand						
17 - 18 - 19 -				ALASA A MARIANA PER			GRAVELLY SAND WITH CLAY (SW), wet, light brown, fine to coarse grained sand and gravel, gravel is angular to subangular chert  END OF BORING  -5' of 1" diameter screen inserted, 1' sand pack, 2' bentonite chips,						
20— 21 - 22 - 23 - 24 -	THE THE BUTCHEST CONTRACTOR OF THE PROPERTY OF	The state of the s	The second section of the second seco	TO THE COMMISSION OF THE COMMI		A 1 Company of the same and	remainder backfilled with grout.	MODE SITTEMATICAL AND ANALOGO STATEMATICAL ANA					
25 \coprod						***							
								And the second s					
	K	L E	: I h	٧F	ELD	ΕF	LOG OF BORING NO. EB-1  Tomorrow Development Site	PLATE					
PROJECT	NO.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1750	0		······································	2547 E. 27th Street Oakland, California	A2					

		Date Compl	eted:		6/19/02	-		Sampler	-	Core System EC-5		
		Logged By:		· Aminus	G. Knop	in .		Method Hammer W		Sampler ry Push		
		Total Depth:		**************************************	16.0 ft	Paris Comment				south perimeter, 27	west of 27th St.	
			1	i				E/ev	ration: <u>a</u>	prox. 110'		
	Dapth (feet)	Sample Number Sample Twe	Blows/Foot	Racquery (%)	(midd) cjid	USICS.			Descrip	htor:		
UNSKNOTFFFIGETISTICARROW DEVELOPHENTBORINGS.GP.J	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25				66 160 100 85 52 20 20 0 0		- hand de SILTY CI SILTY CI SANDY COTANGE-I GRAVELI END OF E - 5' of 1" d - Boring b	CLAY (CLICH), very die common trace common trace common trace common trace common trace common modifing, mosi LY SAND WITH SOM	fine to med win, moist, to very mi E CLAY (S	htly mojet	h	Rémaka
TOMORRO	**************************************			<del>(************************************</del>	·	<del>(Milona Mary)</del>		B policy and care			•	
KOPP/PROÆCTS(		F KL	EIN	۷F	ELD	EF	}	Tomorrow D 2547 E. 27th	evelopr	nent Site		PLATE
n cek	PROJECT NO. 17500							Oakland, Ca				A3

	Date Comp Logged By Total Dept	re t	G	/19/02 L Knopp 1.0 ft		Sampler: Macro-Core System EC-5  Method: 3* O.D. Sampler  Hammer Wi; Vibratory Pesh  Location: near middle of site  Elevation: approx. 110*					
Depth (fast)	Sample Number	Sample Type Blows/Foot	Recovery (%)	(mád) ajd	0505	Description	Remarks				
1 2 3 4 5 6 7 8 9 10 11 16 16 17 18 16 17 18 19 20 21 22 23 24 25 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10				000000000000000000000000000000000000000		GRAVELLY SAND (SW), brown, slightly moist  SiLTY CLAY (GL/CH), red-brown to black, moist  - wet 4.5 to 6.5'  SANDY CLAY (SC), light orange-brown, moist  SiLTY CLAY (GL), orange-brown, moist  CLAYEY SAND WITH SOME GRAVEL (SC), orange to orange-brown, moist  CLAYEY GRAVEL WITH SAND (GW), orange-brown, wet, fine to coarse grained sand, fine to medium grained angular to subangular chert, sandstone, and claystone grave!  END OF BORING  -2' of screen insertedBoring backfilled with grout Ground water encountered at 9' bgs.	A AMERICA STATE OF THE STATE OF				
	K	LEI	NFE	ELD	EF	LOG OF BORING NO. EB-3  Tomorrow Development Site 2547 E. 27th Street	PLATE A4				

Oakland, California

PROJECT NO.

17500

Soil Boring Completion Details	Depth	Sample Interval	PID Reading	USCS Code		Soil Description
1.5" Dia.	4			af	Artificial Fill -	2" Asphalt and base rock
Concrete w/ black pigment	_ 1 _ _ 2 _ _ 3 _		0	ML	Inorganic silt w black 2.54/2.5/	vith fine to medium grained sand, 1, wet
	- 4 - - 5 - - 6 -		0	CL	Clay with som black 2.54/2.5/	e sand grains mixed in, '1, moist
Portland cement/ bentonite	- 7 - - 8 - - 9 -		0	SM	Silty sand, fine olive brown 2.	e grained sand and silt, 54/4/3, moist
TD 10'	10 11 12					
	13 14 15	,				
	16 17 18	The state of the s				
	19- 20-					
	21					
	24- - 25- - 26-	-				
	- 27 - - 28 - - 29 -	-				
,	- 30 - 31					
Ceres Associates Project CA1264-3	O,	7 East	as Station 27th Street California	Date: Jonu	Ken Durañd ary 17, 2006 thod: Geoprobe 5400	LOG OF SOIL BORING SB11 SHEET 1 of 1

Soil Boring Completion Details	Depth	Sample Interval	PID Reading	USCS Code	Soil Description
1.5" Dia.	_ 1			af	Artificial Fill - 2" Asphalt and base rock
Concrete Borehole w/ black	_ ' _ _ 2 _			SM	Silty sand with some 1/4 inch pebbles, grayish brown 1.4/5/2
pigment	3 - 4 - 5 -		1	CL	Clay, greenish black 6.1/2.5/1.06, medium plasticity, with some fine sands
Portland cement/ bentonite	- 6 - - 7 - - 8 -				
	10-		1	CL	Same as above with petrolium odor
	- - 11 - - 12 - - 13 -		14.5	SC	Clayey sand, fine graned sand with 30% clay, grayish brown 2.54/5/2, rounded pebbles, petrolim odor
TD 16'	14 15 16		0	SP	Sand with silt and clay, black 2.54/1/1, wet, rounded pebbles up to 1/2 inch in size, strong odor
	- 17- - 18- - 19-			1900	
	_ 20 _ _ 21 _ _ 22 _				
	23				
	- 27 - - 28 - - 29 -				
	30 31	-			
Ceres Associates Project CA1264-3	<b>^</b>	7 East	as Station 27th Street California	Date: Janu	LOG OF SOIL BORING SB12 SHEET 1 of 1

	T					· · · · · · · · · · · · · · · · · · ·
SoilBoring Completion Details	Depth	Sam ple Interval	PID Reading	USCS Code		SoilDescription
)	<u> </u>			af	Artificial Fill	-2"Asphaltand base rock
Concrete W black 1.5" Dia.			3	SP	Sand, medium in size, damp	fine sand with pebbles up to 1 inch
pigment	3 =		0	SP	Sand with 1/2 in	nch rounded pebbles, rish brown, 1.04/4/1/1, no odor
Portland cement/bentonite	5 - 6 - 7 -		0	SP		th pebbles up to 1/4 inch in size, wet,
TD 8'	- 8 - - 9 - - 10 - - 11 -					
	- 12 - 13 - 14 - 14					
	15 — 16 — — 17 — — 18 —					
	22					
	25 - - 26 - - 27 -					•
	28 - - 29 - - 30 - - 31 -					
Ceres Associates Project CA1264-	0	47 East	as Station 27th Street California	Date:Janu	:: Ken Duzand lary 16,2006 thod: Geopzobe 5400	LOG OF SOL BORING SB13 SHEET 1 of 1

Soil Boring Completion Details	Depth	Sample Interval	PID Reading	USCS Code		Soil Description
1.5" Dia.		***************************************		af	Artificial Fill	- 2" Asphalt and base rock
Concrete Borehole w/ black	_		1.6	SM	Silty sand with olive brown 2.5	some 1/4 inch rounded pebbles, 4/4/4, damp
pigment	3 - - 4 - - 5 -		12.3	SP	Sand, mixed sar 2.54/4/3	nds with silts and gravel, olive brown
Portland cement/ bentonite	- 6 - - 7 - - 8 -		0	SC	Clayey sand, fir brown 2.54/5/4	ne grained sand with clay, light olive , damp
	10  11  12					
	13 14 15 16					
	17	The state of the s	1.4	SM	Silty clay, sand	d with pebbles up to 1/2 inch in size, 54/4/4, moist
TD 20'	18 - - 19 - - 20		1.1	SM	Same as abov	
	_ 21_ _ 22_ _ 23_					
	- 24- - 25-			of Principal Pri		
	- 26 - - 27 - - - 28 -	*				
	- 29 - 30 - 31			The state of the s	The state of the s	
Ceres Associates Project CA1264-3  Former Gas Statio 2547 East 27th Stree Oakland, Californi			27th Street	Date: Janu	Ken Durand ory 17, 2006 thod: Geoprobe 5400	LOG OF SOIL BORING SB14 SHEET 1 of 1

Soil Boring Completion Details	Depth	Sample Interval	PID Reading	USCS Code	·	Soil Description
1.5" Dia.				af	Artificial Fill -	2" Asphalt and base rock
Concrete Borehole w/ black pigment	3 - 4 - 5 -		1,4	CL	Clay, medium 2.54/4/2, dam	ı plasticity, dark grayish brown p
Portland cement/ bentonite	- 7 - - 8 - - 9 - - 10 -		1.1	SC		nd, fine grain sand with slight clay, n 2.54/5/4, damp
TD 15'	12					
	17- 					
·	21- 22- 23- 24-					
	- 25 26 27 28 29					
Cocoro	30 31	rmer G	as Station	[coast P	Kan Duggad	LOG OF SOIL BORING
Ceres Associates Project CA1264-3	Or	l7 East :	27th Street California	Date: Janu	Ken Durand ary 17, 2006 thod: Geoprobe 5400	SB15 SHEET 1 of 1

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Soil Boring Completion Details	Depth	Sample Interval	PID Reading	USCS Code		Soil Description
1.5" Dia.	_ 1 _			af	Artificial Fill -	2" Asphalt and base rock
Concrete w/ black pigment Borehole	2 3 - 4		0	SP	Sand with some diameter, light o	angular pebbles up to 1/4 inch in blive brown 2.54/5/4, damp
Portland cement/bentonite	- 5 7 8 10 11		0	SC	Clayey sand, damı	line sand with clay, dark olive brown
	12 13 14 15 16 17 18 19		1.1	SC	Same as abov	/e, wet
TD 20'	- 20 21 23 24 25 26 27 28 29 20					
Ceres Associates Project CA1264-3	∩ <i>∩</i> /	7 East	as Station 27th Street California	Date: Janu	: Ken Durand ary 17, 2006 athod: Geoprobe 5400	LOG OF SOIL BORING SB16 SHEET 1 of 1

Soil Boring Completion Details	Depth	Sample Interval	PID Reading	USCS Code		Soil Description
1.5" Dia.	_ 1 _			af	Artificial Fill	- 2" Asphalt and base rock
Concrete Borehole w/ black pigment	_		0	SP	diameter, brow	
pagancia	- 3 - - 4 -		0	SP	Medium fine s 1.04/4/3, damp	and with some silt and clay, brown , no odor
The stand	- 5 - - 6 -		0	SC	Clayey sand, i	fine sand with clay, dark gray 2.54/4/1,
Portland cement/ bentonite	- 7 - - 7 - - 8 - - 9 -		0	SC	Clayey sand, 2.54/3/3, dam	fine sand with clay, dark olive brown p
	- 10-			,		
	- 11 - - 12- - 13 -		0		Clavey sand	fine grained sand with clay, olive
	- 14 - 15	And the state of t		SC	brown, 2.54/4	
TD 16'	16  17					
	18 19	and the second		-		
	20 - - 21 -					
	22_ 23	The state of the s				
	- 24 - 25 -					
	-26 -27				A CONTRACTOR AND	
	_ 28 _ _ 29	-				
	30 31					
Ceres Associates Project CA1264-3  Former Gas Station 2547 East 27th Street Oakland, California			Date: Janu	Ken Durand ory 17, 2006 thod: Geoprobe 5400	LOG OF SOIL BORING SB17 SHEET 1 of 1	

Soil Boring Completion Details	Depth	Sample Interval	PID Reading	USCS Code		Soil Description
7.5" Dia.				af	Artificial Fill	- 2" Asphalt and base rock
Concrete Borehole w/ black pigment	_ ' _ 2 _	······································	3	sc	Silty clay, silty v 2.54/2.5/1, sligh	with clay and 5% sand grains, black t odor
	3 - - 4 - - 5 -		0	SC	Silty clay sand diameter, dark sight odor	I with pebbles up to 1 inch in greenish gray S61/4/10, moist,
Portland cement/ bentonite	- 6 - - 7 - - 8 -	·	0	SM	Silty sand, m 104R/5/3, mo	edium fine sand with little clay, brown oist, no odor
	- 9 - - 10 - - 11 -		0	SC	Sandy silty o	elay, brown 104R/5/4, moist,
	12	- Annual	0	SP	Medium fin	e sand, 104a/5/4, moist, no odor
TD 16'	16 17 18 19					
I	20 21 22					
	23 24 25 25				The transfer of	
	- 27 - - 28 - - 29 -					
	30 31 -					
Ceres Associates Project CA1264-3	254	7 East	as Station 27th Street California	Date: Janu	: Ken Durand ary 17, 2006 :thod: Geoprobe 5400	LOG OF SOIL BORING SB18 SHEET 1 of 1

Soil Boring Completion Details	Depth	Sample Interval	PID Reading	USCS Code		Soil Description
1.5" Dia.	1			af	Artificial Fill -	2" Asphalt and base rock
Concrete W/ black pigment Portland	2		2.4	CL	Clay with sma dark grayish b	all layers of fine gravel sand, very rown, 2.54/3/2, damp
cement/ bentonite	- 7 - - 8 -		1.7	CL	Clay with lay brown 2.54/3	vers of fine gravel sand, dark grayish 3/2, damp
	- - 9 -		2 .	SC	Clayey sand, brown 2.54/4	fine to medium sand with clay, olive 4/4, moist
	- 10 - - 11 - - 12 - - 13 - - 14 -		2.4	sc	Same as abov	ve, wet
TD 15'	- 15 - 16 - 17 - 17	The state of the s				
	19- 20- 21- 22-		The state of the s			
	23			The state of the s		
	- 27 - - 28 - - 29 - - 30 - - 31 -	· · · · · · · · · · · · · · · · · · ·		· ·		
Ceres Associates Project CA1264-3	Fo 254	17 East	as Station 27th Street California	Date: Janu	Ken Durand ary 17, 2006 thod: Geoprobe 5400	LOG OF SOIL BORING SB19 SHEET 1 of 1

Soil Boring Completion Details	Depth	Sample Interval	PID Reading	USCS Code		Soil Description
1.5" Dia.		***************************************		af	Artificial Fill -	2" Asphalt and base rock
Concrete w/ black pigment	_ 1 _ _ 2 _ _ 3 _		0	SM		ium grain sand and silt, wet, 104R/3/1, no odor
<del>-</del>	- 5 - - 6 -		0	SC	Sandy clay, fin 104R/2/1, moi	ne sand and clay, very dark brown, st
Portland cement/ bentonite	- 7 - - 8 - - 9 - - 10 - - 11 -		1	sc		fine grained sand and clay, some lles, dark olive brown 2.54/3/2,
	12		0	GC		, approximately 50% gravel pebbles lay, light olive brown 2.54/5/3,
TD 15' MANUEL	15					
Ceres Associates Project CA1264-3  Former Gas Station 2547 East 27th Street Oakland, California			Date: Janu	Ken Durand ary 17, 2006 thod: Geoprobe 5400	LOG OF SOIL BORING SB20 SHEET 1 of 1	

Soil Boring Completion Details	Depth	Sample Interval	PID Reading	USCS Code	Soil Description
1.5" Dia. Borehole	- 1 - 2 - 3 - 4 - 5 - 6		44	CL	Clay with some silt and sand, black 5/2.5/1
Portland cement/ bentonite	- 7 - - 8 -		9	CL	Silty clay with some "rock" pebbles, black 5/2.5/1, moist
<b></b>	- 9 - - 10 - - 11 - - 12 - - 13 - - 14 -		0 107 6	CL	Silty clay with some silt, moist/wet, olive 5/5/3
TD 15'					
	23 24 25 26 27 28 29 30				
Ceres Associates Project CA1264-3	On	7 East 2	as Station 27th Street California	Date: Janua	LOG OF SOIL BORING strong 17, 2006 sthod: Geoprobe 5400  LOG OF SOIL BORING SB21 SHEET 1 of 1

Soil Boring Completion Details	Depth	Sample Interval	PID Reading	USCS Code	Soil Description
1.5" Dia.				af	Artificial Fill - 2" Asphalt and base rock
Concrete Borehole w/ black pigment	_ 2 _		0	sw	Fine to coarse grain sand with pebbles up to 1 inch in diameter, dark brown 7.54R/3/2, damp
<b>Y</b>	3 - - 4 - - 5 -		0	CL	Silty clay, dark olive brown 2.54/3/3, moist
Portland cement/ bentonite	- 6 - - 7 - - 8 - - 9 -		0	CL	Silty clay with some silt and sand, olive 5.4/4/3, moist
	10 11 12 13		0	CL	Clay, black 2.54/2.5/1, wet
TD 15'	_ 14 _ _ 15 _ _ 15 _ _ 16 _				
	- 17 - 18 - 18				
	20 21 22				
	23 24 25				
	26 27 27			CONTINUES OF TAXABLE AND ADDRESS OF TAXABLE ADDRESS	
	28 29 30 31	. La berrachina desprise, marco and account de account		And the second s	
Ceres Associates Project CA1264-3	For 254	7 East 2	as Station 27th Street California	Date: Janua	Ken Durand any 17, 2006 hod: Geoprobe 5400  LOG OF SOIL BORING SB22 SHEET 1 of 1

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Soil Boring Completion Details	Depth	Sample Interval	PID Reading	USCS Code		Soil Description
1.5" Dia. Borehole	1 - - 2 -		4	SM		edium to fine grained sand and silt, yish brown 104R/3/5, damp
	- 3 - - 4 - - 5 -		0	CL	Clay with sa	nd pebbles, black 104R/2/1, wet
Portland cement/ bentonite	- 6 - 7 - 8 - 9		0	SC		, sand with clay and some pebbles in diameter, olive brown
	10 11 12		0	CL	Clay wit 5% 2.54/2.5/1, v	o "rock" fragments, black wet
	- - - 14		0	SP	Sand with so brown 104R	ome silt and clays, dark yellowish /3/6, damp
TD 15'	- 15					
Ceres Associates Project CA1264-3  Former Gas Station 2547 East 27th Street Oakland, California				Date: Janua	Ken Durand ary 17, 2006 Ihod: Geoprobe 5400	LOG OF SOIL BORING SB23 SHEET 1 of 1

Soil Boring Completion Details	Depth	Sample Interval	PID Reading	USCS Code	So	il Description
1.5" Dia. Borehole	- 1 - - 2 -		0	CL	Clay with some sil 2.54/2.5/1, moist	t and sand, black
<b>↓ * * * * * * * * * *</b>	- 3 - - 4 - - 5 -		2	CL	Clay with some peb dark olive brown 2	bles up to 1/2 inch in diameter, 54/3/3, wet
Portland cement/ bentonite	- 6 - - 7 - - 8 - - 9 - - 10 - - 11 -		1	GM	Silty gravel, approxir and silt, olive brown	nately 50% gravel with sand 2.54/4/3, damp
TD 15'	12 13 14 15		1	SM	Medium to fine grai	ned sand with some gravel, 3, damp
	16 17 18 19 20 21 22 23					
	- 24 - 25 - 26 - 27 - 28 - 29 - 30 - 31					
<b>Ceres</b> Associates	254	7 East	as Station 27th Street California	Date: Janua	Ken Durand ry 17, 2006 nod: Geoprobe 5400	OG OF SOIL BORING SB24

Project CA1264-3

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Soil Boring Completion Details	Depth	Sample Interval	USCS Code		Soil Description
1.5" Dia. Borehole	_ 1		GM	Mixed gravel and loan	n, olive brown 2.5Y4/4
Portland cement/	- 3 - - 4 - - 5 - - 6 -		CL	Clay with some silt and 10YR2/2, medium plas	sand, very dark greyish brown
bentonite	- 7 - 8 9 10		CL	Clay, dark olive, 5Y3/2 some fine sands	2, high plasticity, with
<b>-</b>	- 13 - - 14 - - 15 -		SC	Clayey sand, fine grain wet, olive brown 2.5Y	ned sand with 30% clay, moist, 5/4,medium plasticity.
	-16 - -17 - -18 - -19 -		CL	Sandy clay, with 20% high plasticity	gravel, reddish brown 5YR 4/4,
	-20 - -21 -	-	CL	Sandy clay, with 30% 5YR4/4, high plastici	6 gravel,very moist, reddish brown ity
TD 27.51	- 22 23 24 25 26 27 27 27 27		CL	Clay, with some silt, high plasticity	, very dense, black , 2.5Y5/4,
TD 27.5'	-28 - -29 - -30 - -31 -	-		Refusal at 27.5'	
Ceres Associates Project CA1264-6	2	2547 East	Gas Station 27th Street California	Logged By: Ken Durand Date: September, 2006 Drilling Method: Geoprobe 6600	LOG OF SOIL BORING SB-25 SHEET 1 of 1

Soil Boring Completion Details	Depth	USCS Code	PID Reading* (ppm)	Soil Descri	ption
1.5" Dia.		GC	(FF)	Mixed gravel and	d sandy clay, dark olive grey 5Y3/2
Borehole	-1 -	SC	4	Sandy clay, blac	k 2.5Y2.5/1 with grey/white fines
	3 =	CL		Sandy clay, brow with grey/white	n (and other colors)10YR4/3, fines
	4 -	CL	. 1	Clay, black 2.5Y	72.5/1
Portland cement/ bentonite	5 - - 6 - - 7 -	CL	1	Silty clay, very c somewhat moist	dark greyish brown 2.5Y3/2, t
TD 10.0'	8 -	GC			vith some clayey fines, moist
	- 10 -	CL		Sandy clay, oli	ive brown 2.5Y4/4, moist
	11 — 12 — 13 — 14 — 15 — 16 — 17 — 18 — 19 — 20 — 21 — 22 — 23 — 24 — 25 — 26 — 27 — 28 — 29 — 30 — 31 — 31 — 31 — 31 — 31 — 31 — 31			*Background PID read	ings indicated a maximum of 3ppm
Coceres	_	Former Gas S	Station	Logged By: Will Kleiner	LOG OF SOIL BORING

Ceres
Associates
Project CA1264-6

Former Gas Station 2547 East 27th Street Oakland, California

Logged By: Will Kleiner Date: June, 2007 Drilling Method: Geoprobe 6600 LOG OF SOIL BORING CS-1

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Soil Boring Completion Details	Depth	USCS Code	PID Reading* (ppm)	Soil Descri	ption
1.5" Dia.	-	SM		Mixed gravel and clay l	loam, olive brown 2.5Y4/4
Borehole		SC		Sandy clay, black 2.5Y	2.5/1
	2	SC	4	Clay, black 2.5Y2.5/1,	with some small gravel
	- 3 - - 4 - - 5 -	CL	1	Sandy clay, black 2.5Y	72.5/1
Portland cement/ bentonite	6 - 7 -	CL	2	Clay, black 2.5Y2.5/1, v	with small gravel, moist
<b></b>	8 -	CL		Silty clay,2.5Y4/4 olive	brown, moist
TD 10.0'	-10 -	SC	1	Silty clay, olive 5Y5/6,	, with patches of clay, black 2.5Y2.5/1
	- 11 12 13			*Background PID readi	ngs indicated a maximum of 3ppm
100		Former Gas S	Station		LOG OF SOIL BORING



Former Gas Station 2547 East 27th Street Oakland, California Logged By: Will Kleiner Date: June, 2007 Drilling Method: Geoprobe 6600 LOG OF SOIL BORING CS-2

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Soil Boring Completion Details	Depth	USCS Code	PID Reading* (ppm)	Soil Descri <sub>l</sub>	ption
1.5" Dia. Borehole	1 2 - 3	SC	2	Mixed gravel and sandy with grey/white fines	clay, olive brown 2.5Y4/3,
	4 -	CL	3	Silty clay, olive brown 2	.5Y 4/4
Portland cement/bentonite	5 - - 6 - - 7 -	CL	1	Clay, very dark grey 2.5Y3/	'1, moist
2	8 - 9 -	CL	3	Gravelly sandy clay, dar	k greyish brown 10YR4/2, moist
TD 10.0'	- 10			*Background PID reading	s indicated a maximum of 3ppm
Ceres Associates Project CA1264-6	2	Former Gas S 547 East 27th Oakland, Cali	Street	Logged By: Will Kleiner Date: June, 2007 Drilling Method: Geoprobe 6600	LOG OF SOIL BORING CS-3 SHEET 1 of 1

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Soil Boring Completion Details	Depth	USCS Code	PID Reading* (ppm)	Soil Descrij	ption
1.5" Dia. Borehole	1 - 2 -	SM ·		Gravelly sandy loam, ol	ive brown 2.5Y4/4,
<b>←</b>	3 - 4 -	CL		Silty clay, black 5Y2.5/2,	with small gravel and rust color veins
	5 -	CL		Clay, black 5Y2.5/1	
Portland cement/ bentonite	6 - 7 - 8 9 10 10	CL		Clay, olive brown 2.5Y4	1/4, with small gravel, moist
TD 10.0'	- 10			*Background PID rea	adings indicated a maximum of 3ppm
Ceres Associates Project CA1264-6	2	Former Gas S 547 East 27th Oakland, Cali	Street	Logged By: Will Kleiner Date: June, 2007 Drilling Method: Geoprobe 6600	LOG OF SOIL BORING CS-4 SHEET 1 of 1

Soil Boring Completion Details	Depth	USCS Code	PID Reading* (ppm)	Soil Descrip	ption
1.5" Dia.		GM		Gravel, with some fines	
Borehole	2 - 3 - 4	CL	7	Sandy clay, dark olive g	rey 5Y3/2
Portland cement/	- 6 - - 6 -	CL	1	Clay, black 2.5Y2.5/1, r	noist, mild petroleum odor
bentonite	E 7 =	CY	2	C 1	74/1 1/3 1 (CCNYC/1)
<b></b>	8 -	CL	1	no petroleum odor	(4/1, with some gleying (5GY6/1),
TD 10.0'	- 10 11 12 13 14 15 16 17 18 19 21 22 23 24 25 26 27 28 29 30 31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 - 1 1 1 1 1 1 1 1 1 1 1 - 1 1 1 1 1 1 1 1 1 1 1 - 1 1 1 1 1 1 1 1 1 1 1 - 1 1 1 1 1 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 - 1			*Background PID readi	ings indicated a maximum of 3ppm
<b>Ceres</b> Associates	2	Former Gas S 547 East 27th	Street	Logged By: Will Kleiner Date: June, 2007 Drilling Method: Geoprobe 6600	LOG OF SOIL BORING CS-5

Associates Project CA1264-6 Oakland, California

Drilling Method: Geoprobe 6600

CS-5

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Soil Boring Completion Details	Depth	USCS · Code	PID Reading* (ppm)	Soil Descri	ption
1.5" Dia. Borehole	2 - 3 - 4	SC		Sandy loam, light ol medium gravel	live brown 2.5Y5/4, with small and
Portland cement/ bentonite	- 6 - - 7 - - 8 -	SC		Gravelly sandy loan	n, light olive brown 2.5Y5/4, wet
	- 9	SC	1		tht olive brown 2.5Y5/4, Y4/4) inclusions, moist
TD 10.0'	- 10			*Background PID read	dings indicated a maximum of 3ppm
Ceres Associates Project CA1264-6	2	Former Gas S 547 East 27th Oakland, Cali	Street	Logged By: Will Kleiner Date: June, 2007 Drilling Method: Geoprobe 6600	LOG OF SOIL BORING CS-6 SHEET 1 of 1

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Soil Boring Completion Details	Depth	USCS Code	PID Reading* (ppm)	Soil Descri	ption
Portland cement/ bentonite  TD 10.0'	1 - 2 - 3 - 4 5 6 6	SC		Sandy loam, light olive Some inclusions of cla	e brown 2.5Y5/4, with small gravel y, black 2.5Y2.5/1
	8 -	GM		Gravel, with some fine	es .
		SC	1	Very gravelly sandy lo	oam, light olive brown 2.5Y5/4
	- 10				dings indicated a maximum of 3ppm
Ceres Associates Project CA1264-6	2	Former Gas S 547 East 27th Dakland, Cali	Street	Logged By: Will Kleiner Date: June, 2007 Drilling Method: Geoprobe 6600	LOG OF SOIL BORING CS-7

Project CA1264-6

