#### ALAMEDA COUNTY

## **HEALTH CARE SERVICES**

AGENCY



DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES

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

August 30, 2007

Mr. Richard Weinstein MacArthur Ltd. Liability Company 360 17<sup>th</sup> Street #204 Oakland, CA 94612-3340

Subject: Subject: SLIC Case RO0002916, MacArthur Ltd. Property, 900-910 81<sup>st</sup> Avenue, Oakland, CA – No Further Action

Dear Mr. Weinstein:

This letter confirms the completion of a site investigation and remedial activities for soil and groundwater investigations at the above referenced location. We are also transmitting the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site with the provision that the information provided to this agency was accurate and representative of existing conditions.

Based on information in the above-referenced file this agency finds that the site investigation and corrective action carried out at your facility 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 the subject Spill, Leaks, Investigation, and Cleanup (SLIC) case is closed.

#### SITE INVESTIGATION AND CLEANUP SUMMARY

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

- Soil in the area of unit #17 contains residual arsenic at concentrations up to 8.7 parts per million (ppm) and barium at concentrations of up to 380 ppm near unit #9.
- Groundwater near the former UST contains TPH as diesel, TPH as motor oil and dissolved lead at concentrations up to 520 parts per billion (ppb), 4900 ppb and 150 ppb respectively.

If you have any questions, please call Mr. Steven Plunkett at (510) 383-1767. Thank you.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Donna L. Drogos, P.E.

LOP and SLIC Program Manager

Mr. Richard Weinstein August 30, 2007 Page 2

Enclosures: SLIC Case Closure Summary

CC:

Ms. Cherie McCaulou (w/enc)
SF- Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

Steven Plunkett (w/orig enc), D. Drogos (w/enc), R. Garcia (w/enc)

# CASE CLOSURE SUMMARY SPILLS, LEAKS, INVESTIGATION AND CLEAUP PROGRAM

#### I. AGENCY INFORMATION

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 383-1767
Responsible Staff Person: Steven Plunkett	Title: Hazardous Materials Specialist

#### **II. CASE INFORMATION**

Site Facility Name: MacArthur LTD. Property			
Site Facility Address: 900-910 81st	Avenue		
RB Case No.: Local Case No.: LOP Case No.: R00002916			
URF Filing Date: 03/28/2006	Global ID No.: T06019780546	APN: 41-4206-6	
Responsible Parties	Addresses	Phone Numbers	
Richard Weinstein	360 17 <sup>th</sup> Street, Oakland, CA	510 763-3066	

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
NA	NA	NA	NA	
	Piping	,	NA	NA

#### III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown.		
Site characterization complete? Yes Date Approved By Oversight Agency:		
Monitoring wells installed? No	Number: 0	Proper screened interval? NA
Highest GW Depth Below Ground Surface: 8.0	) Lowest Depth: 8.0	Flow Direction: West based on ACEH site # RO0000085, approximately 1000 feet southwest.
Most Sensitive Current Use: Potential drinking water source.		

Date: August 23, 2007

Summary of Production Wells in Vicinity:

A well survey was completed for the site and one irrigation well was located approximately 1,900 north of the site. Based on the distance from the site and the upgradient location, the irrigation well does not appear to be a receptor for the site.

Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: Unnamed creek approximately 1300 feet southwest of the site.
Off-Site Beneficial Use Impacts (Addresses/Locations): No	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	NA		
Piping	NA		
Free Product	NA		
Soil	NA		
Groundwater	NA		

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

Contaminant	Soil (	Soil (ppm)		Water (ppb)	
Contaminant	Before	After	Before	After	
TPH (Gas)	<0.5	<0.5	<50	<50	
TPH (Diesel)	<10	<10	520	520	
TPH (Motor Oil)	<10	<10	4900	4900	
Benzene	<0.002	<0.002	<0.5	<0.5	
Toluene	<0.002	<0.002	<0.5	<0.5	
Ethylbenzene	<0.002	<0.002	<0.5	<0.5	
Xylenes	<0.004	<0.004	<1	<1	
Metals	380 <sup>(1)</sup>	380 <sup>(1)</sup>	150 <sup>(2)</sup>	150 <sup>(2)</sup>	
MTBE	<5	<5	1.2 <sup>(3)</sup>	1.2 <sup>(3)</sup>	
Other (8260B)	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	

(1) Other Metals (Soil): 8.7 ppm As, 380 ppm Ba, 0.69 ppm Be, <2.0 ppm Cd, 41 ppm Cr, 74, 16 ppm Co, 41 ppm Cu, 0.71 ppm Mo, 75 ppm Ni, 54 ppm Pb, <2.0 ppm Tl, 82 ppm V, 120 ppm Zn, 0.77 ppm Sb, < 2.0 Se, <2.0 ppm Ag, <0.1 ppm Hg

(2) Other Metals (Groundwater): <5 ppb As, 140 ppb Ba, <5 ppb Be, <5 ppb Cd, <5 ppb Cr, <5 ppb Co, <5 ppb Cu, 4 ppb Mo, 8 ppb Ni, 150 ppb Pb, <5 ppb Se, <5 ppb Sb, <5 ppb Ag, <5 ppb Hg, <5 ppb Tl, 82 ppb N, 120 ppb Zn

(3) Other VOCs: 0.014 ppm 2-Chlorotoluene, TBA <0.5 ppb, 1,2-DCA <0.5 ppb, TAME <0.5 ppb, ETBE <0.5 ppb, DIPE <0.5 ppb, EDB <0.5 ppb and EtOH <300 ppb

Site History and Description of Corrective Actions:

The site has historically been in use as a commercial warehouse facility since the 1950's. The site is currently located in a commercial industrial business district of Oakland and adjacent properties consist of commercial and industrial buildings. The site is currently undergoing redevelopment with new commercial buildings developed as a multi-unit commercial complex.

The site has a history of UST use in conjunction with a fueling operation. The UST was removed from the site in June 1992 and approximately 100 cubic yards of impacted soil was excavated and disposed of offsite. In January 1993 five soil borings and one monitoring well were installed adjacent to the former UST location. Nine quarters of groundwater monitoring data confirm that natural attenuation of petroluem hydrocarbon contamination was occurring at the site. Regulatory case closure for the site located at 910 81st Avenue was granted by ACEH in February 1996.

A Phase I environmental site assessment conducted during a property transaction in February 2006 noted hazardous materials were used on site by several previous building occupants. Subsequently, a Phase II limited site assessment was conducted in March 2006. During the Phase II assessment, five soil borings were advanced onsite to evaluate possible impacts to soil and groundwater from previous hazardous materials storage and use. The soil borings were advanced to a depth of four feet below ground surface, and one groundwater sample was collected during the investigation. Soil samples collected during the limited phase II investigation detected Arsenic at 8.7 ppm which exceeds the ESLs, while all other metals were detected at background concentrations. In addition, TPHd, TPHmo and MtBE were detected in groundwater at concentration of up to 520 ppb and 4,900 ppb and 1.2 ppb, respectively. TPHg, TPHd. TPHmo, TPHk, TPHss, BTEX, MtBE, VOCs were not detected above laboratory reporting limits. Lead was detected above the ESLS at concentrations of up to 150 ppb in a soil boring location near the formed UST and all other metals were at background levels. In addition, grab groundwater samples collected during the investigation did not detect TPHg, TPHmo, TPHk, TPHss or BTEX constituents above laboratory reporting limits or metals above background concentrations.

An additional investigation was conducted in December 2006 to evaluate possible soil and groundwater contamination associated with previous site activities, to assess the petroleum hydrocarbon contamination associated with soil boring SB-1 and to evaluate preferential pathways associated with site utilities. Eight soil borings were advanced throughout the site and soil and grab groundwater samples were collected from each of the soil borings. TPH and TPH constituents including TPHg, TPHd. TPHmo, BTEX, MtBE and VOCs were not detected above laboratory detection limits in either soil or groundwater, while background concentrations of metals were detected in both soil and groundwater. In particular, soil and groundwater samples collected near soil boring location SB-1 tested below laboratory detection limits for TPH, TPH constituents and VOCs.

#### **IV. CLOSURE**

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes			
Does completed corrective action protect potent	tial 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			
Was a deed restriction or deed notification filed	Was a deed restriction or deed notification filed? No Date Recorded:		
Monitoring Wells Decommissioned: No Number Decommissioned: 0 Number Retained: 0			
List Enforcement Actions Taken: None			
List Enforcement Actions Rescinded:			

#### V. ADDITIONAL COMMENTS, DATA, ETC.

#### Considerations and/or Variances:

- During the Phase II Investigation, soil borings GA5, GA6 and GA7 did not include analysis for BTEX constituents
  or metals in either soil or groundwater. In addition, the concentration of arsenic in soil at soil boring SB-1 (8.7
  ppm) exceeds environmental screening levels.
- The Environmental Screening Levels (ESLs) used in Table 1 do not accurately reflect that groundwater may be
  used as a potential drinking water source. Rather, the ESLs used in Table 1 should apply to a site where
  groundwater in not a potential drinking water source. The site is not located in an area that has been dedesignated as a drinking water source, but in an area where groundwater is a current or potential drinking water
  source.
- Groundwater contamination remaining on site exceeds the ESLs for Lead at concentrations of 130 ppb near the former UST location.

#### Conclusion:

No TPH, TPH constituents or VOCs were detected in soil at the site. However, TPHd, TPHmo, MtBE and Lead remain in groundwater at concentration of up to 520 ppb and 4,900 ppb, 1.2 ppb and 150 ppb, respectively. The limited residual contamination remaining in groundwater, and very likely associated with the former UST, does not pose a current risk and is not expected to pose a future risk to human health, the environment or groundwater.

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 is necessary. ACEH staff recommend case closure for this site based on the current commercial use of the site.

#### VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Steven Plunkett	Title: Hazardous Materials Specialist
Signature: Sun Pur	Date: 8/27/07
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature:	Date: 08/27/07

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
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB:
Signature:	Date:

### V. ADDITIONAL COMMENTS, DATA, ETC.

#### Considerations and/or Variances:

- During the Phase II Investigation, soil borings GA5, GA6 and GA7 did not include analysis for BTEX constituents
  or metals in either soil or groundwater. In addition, the concentration of arsenic in soil at soil boring SB-1 (8.7
  ppm) exceeds environmental screening levels.
- The Environmental Screening Levels (ESLs) used in Table 1 do not accurately reflect that groundwater may be
  used as a potential drinking water source. Rather, the ESLs used in Table 1 should apply to a site where
  groundwater in not a potential drinking water source. The site is not located in an area that has been dedesignated as a drinking water source, but in an area where groundwater is a current or potential drinking water
  source.
- Groundwater contamination remaining on site exceeds the ESLs for Lead at concentrations of 130 ppb near the former UST location.

#### Conclusion:

No TPH, TPH constituents or VOCs were detected in soil at the site. However, TPHd, TPHmo, MtBE and Lead remain in groundwater at concentration of up to 520 ppb and 4,900 ppb, 1.2 ppb and 150 ppb, respectively. The limited residual contamination remaining in groundwater, and very likely associated with the former UST, does not pose a current risk and is not expected to pose a future risk to human health, the environment or groundwater.

Alarmeda 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 is necessary. ACEH staff recommend case closure for this site based on the current commercial use of the site.

## VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Steven Plunkett	Title: Hazardous Materials Specialist
Signature:	Date: 82707
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature	Date: 08/27/07

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
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB:
Signature: Mr Meland	Date: 8/3 0/6-7

Post-it* Fax Note 7671	Date \$/30/07 pages ► /
To Steven Plunkott	From Chane McCaulou
ACF 17	CO. RWOLG
	Phone # 570 622 2342
Fax# 570-337-9355	Fax # 72464

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RO002916 - Closure Summary

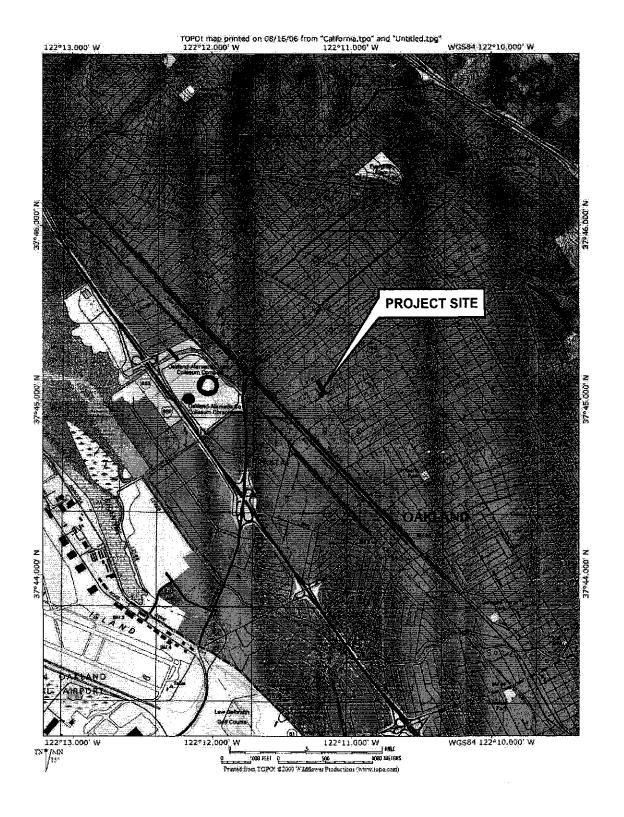
#### **VIII. MONITORING WELL DECOMMISSIONING**

Date Requested by ACEH:	ACEH: Date of Well Decommissioning Report:				
All Monitoring Wells Decommissioned: NA	Number Decommissioned: 0	Number Retained: 0			
Reason Wells Retained:  Additional requirements for submittal of groundware	ater data from retained wells:				
Additional requirements for submittal or groundwe	ater data nont retained wens.				
ACEH Concurrence - Signature:		Date:			

#### Attachments:

- 1. Site Vicinity Map
- 2. Site Plan Map
- 3. Soil Boring Location Map
- 4. Soil and Groundwater Analytical Data (33 pages)
- 5. Boring Logs (GA1 through GA8)

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.



DESIGNED BY: CHECKED BY:

DRAWN BY: JG SCALE:

PROJECT NQ: 322-01-01

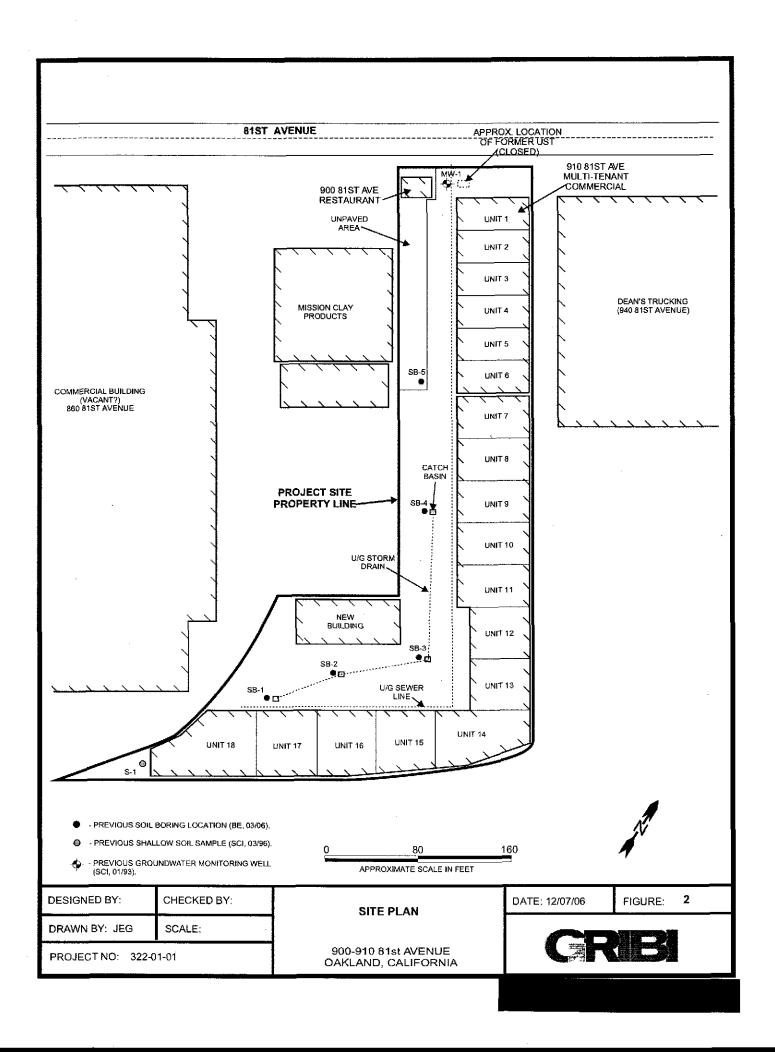
SITE VICINITY MAP

900-910 81ST AVENUE OAKLAND, CALIFORNIA DATE: 12/07/06

FIGURE: 1







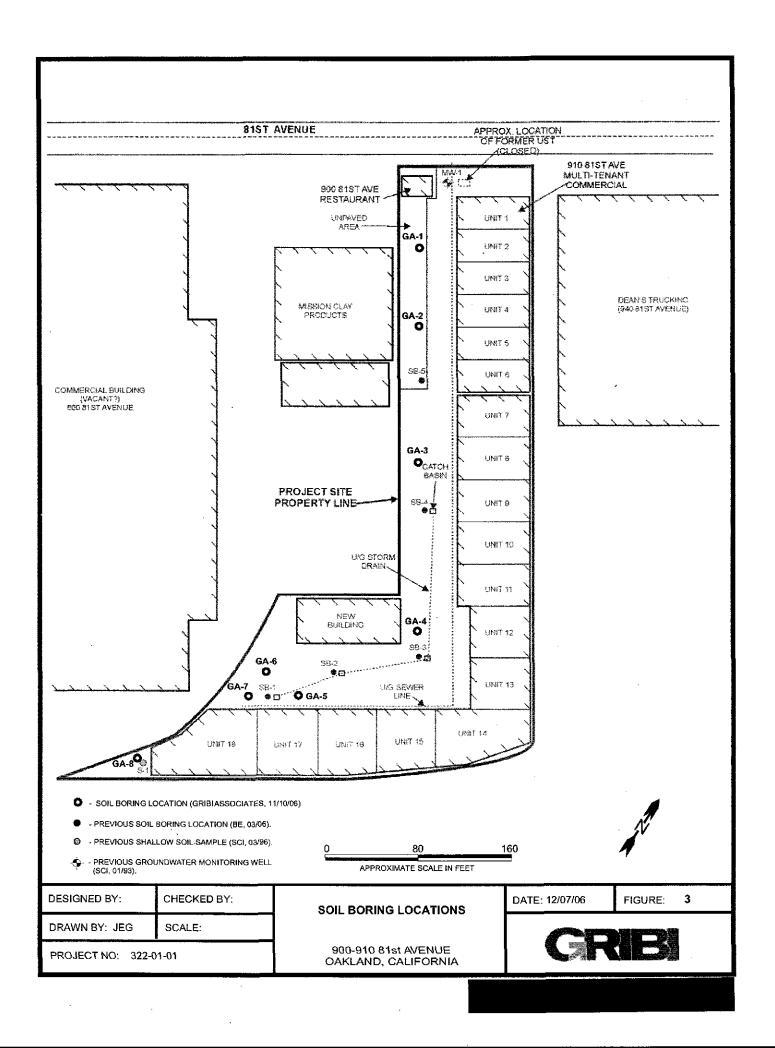


Table 1
SUMMARY OF SOIL AND GROUNDWATER HYDROCARBON ANALYTICAL RESULTS

900-910 81st Avenue Site

Grou	ndwater ESL (n	ng/l)	0.50	0.64	0.64	9.046	0.13	0.29	0.10	Various		
s	oil ESL (mg/kg)		400	500	1,000	38	9.3	45	11	Various		
GA-8-W	(6.0 feet)	Water	<0.050	< 0.10	< 0.10	<0.00050	<0.00050	<0.00050	<0.0010	NID <sup>1</sup>		
GA-8-7.0	7.0 feet	Soil	<0.50	<10	<10	<0.0020	<0.0020	<0.0020	< 0.0040	ND		
GA-7-W	(7.8 feet)	Water_	••	< 0.10	< 0.10	**	**					
GA-7-6.0	6.0 feet	Soil		<10	<10	-			-	_		
GA-6-W	(7.3 feet)	Water		<0.10	<0.10							
GA-6-7.0	7.0 feet	Soil		<10	<10							
GA-5-W	(7.8 feet)	Water		<0.10	<0.10							
GA-5-6.0	6.0 feet	Soil		<10	<10	-			-	-		
GA-4-11.5	11.5 feet	Soil	<0.50	<10	<10	<0.0020	<0.0020	<0.0020	<0.0040	ND <sup>1</sup>		
GA-4-6.0	6.0 feet	Soil	<0.50	<10	<10	<0.0020	<0.0020	<0.0020	<0.0040	ND		
GA-3-W	(6.9 feet)	Water	<0.050	<0.10	<0.10	<0.00050	<0.00050	<0.00050	< 0.0010	ND <sup>t</sup>		
GA-3-6.0	6.0 feet	Soil	<0.50	<10	<10	<0.0020	<0.0020	<0.0020	< 0.0040	ND		
GA-2-W	(6.9 ft)	Water	<0.050	< 0.10	< 0.10	< 0.00050	<0.00050	<0.00050	< 0.0010	ND <sup>1</sup>		
GA-2-5.0	5.0 feet	Soil	<0.50	<10	<10	<0.0020	<0.0020	<0.0020	<0.0040	ND <sup>1</sup>		
GA-1-W	(6.9 feet)	Water	<0.050	<0.10	<0.10	<0.00050	< 0.00050	<0.00050	<0.0010	$ND^1$		
GA-1-7.0	7.0 feet	Soil	<0.50	<10	<10	<0.0020	<0.0020	<0.0020	<0.0040	$ND^1$		
Sample ID	Depth	Matrix	TPH-G	TPH-D	ТРН-МО	В	$rac{r_{ij}}{T}$	E	X	VOCs		
	Sample	Sample		Concentration, parts per million, ppm (Soil = mg/kg, Groundwater = mg/l)								

TPH-G = Total Petroleum Hydrocarbons as Gasoline

TPH-D = Total Petroleum Hydrocarbons as Diesel

TPH-MO = Total Petroleum Hydrocarbons as Motor Oil

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

VOCs = Volatile Organic Compounds

<0.50 = Not detected above the expressed value.

1 = No detectable concentrations of 54 individual VOC constituents.

-- = Not analyzed for this analyte.

ESL = Shallow Soil and Groundwater Environmental Screening Levels for evaluation of commercial/industrial land use, where groundwater is not a current or potential drinking water source, as contained in Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, San Francisco Bay Regional Water Quality Control Board, Interim Final, February 2005, Appendix 1, Tables B-2 and F-1b.

# Table 1 SUMMARY OF SOIL AND GROUNDWATER HYDROCARBON ANALYTICAL RESULTS

900-910 81st Avenue Site

	Sample	Sample		Concentration, parts per million, ppm (Soil = mg/kg; Groundwater = mg/l)							
Sample ID	Depth	Matrix	TPH-G	TPH-D	ТРН-МО	В	т	E	X	VOCs	
GA-1-7.0	7.0 feet	Soil	<0.50	<10	<10	<0.0020	<0.0020	< 0.0020	<0.0040	$ND^1$	
GA-1-W	(6.9 feet)	Water	<0.050	<0.10	<0.10	<0.00050	< 0.00050	<0.00050	< 0.0010	$ND^1$	
GA-2-5.0	5.0 feet	Soil	<0.50	<10	<10	<0.0020	<0.0020	<0.0020	<0,0040	ND	
GA-2-W	(6.9 ft)	Water	<0.050	< 0.10	< 0.10	< 0.00050	<0.00050	<0.00050	<0.0010	ND <sup>1</sup>	
GA-3-6.0	6.0 feet	Soil	<0.50	<10	<10	< 0.0020	< 0.0020	<0.0020	<0.0040	$ND^1$	
GA-3-W	(6.9 feet)	Water	<0.050	<0.10	< 0.10	<0.00050	<0.00050	<0.00050	<0.0010	ND <sup>1</sup>	
GA-4-6.0	6.0 feet	Soil	<0.50	<10	<10	< 0.0020	<0.0020	<0.0020	<0.0040	$ND^{1}$	
GA-4-11.5	11.5 feet	Soil	<0.50	<10	<10	<0.0020	< 0.0020	< 0.0020	< 0.0040	ND <sup>1</sup>	
GA-5-6.0	6.0 feet	Soil		<10	<10		÷				
GA-5-W	(7.8 feet)	Water		<0.10	<0.10				-		
GA-6-7.0	7.0 feet	Soil	-	<10	<10				-*		
GA-6-W	(7.3 feet)	Water	-	<0.10	<0.10				-		
GA-7-6.0	6.0 feet	Soil	-	<10	<10						
GA-7-W	(7.8 feet)	Water	-	<0.10	<0.10		••				
GA-8-7.0	7.0 feet	Soil	<0.50	<10	<10	< 0.0020	<0.0020	< 0.0020	<0.0040	ND <sup>1</sup>	
GA-8-W	(6.0 feet)	Water	<0.050	< 0.10	<0.10	<0.00050	<0.00050	<0.00050	<0.0010	ND <sup>1</sup>	
S	oil ESL (mg/kg)	-	400	500	1,900	38	9.3	45	11	Various	
Grou	ndwater ESL (n	ng/l)	0.50	0.64	0.64	0.046	0.13	0.29	0.10	Various	

TPH-G = Total Petroleum Hydrocarbons as Gasoline TPH-D = Total Petroleum Hydrocarbons as Diesel TPH-MO = Total Petroleum Hydrocarbons as Motor Oil

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

VOCs = Volatile Organic Compounds

<0.50 = Not detected above the expressed value.

1 = No detectable concentrations of 54 individual VOC constituents.

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ESL = Shallow Soil and Groundwater Environmental Screening Levels for evaluation of commercial/industrial land use, where groundwater is not a current or potential drinking water source, as contained in *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, San Francisco Bay Regional Water Quality Control Board, Interim Final, February 2005, Appendix 1, Tables B-2 and F-1b.

#### 3.0 CHEMICAL ANALYSES AND RESULTS

## 3.1 Chemical Analyses

The samples taken from the test borings were analyzed for the following:

- Total Petroleum Hydrocarbons as Gasoline and its constituents (TPH-g + MTBEX) (EPA 8015C);
- Total Petroleum Hydrocarbons as Diesel, Kerosene, Motor Oil (TPH-d, TPH-k, TPH-mo, TPH-ss) (EPA 8015C);
- Volatile Organic Compounds (VOCs) (EPA Method 8260B); and
- CAM 17 Metals (Antimony (Sb), Arsenic (As), Barium (Ba), Berryllium (Be), Cadmium (Cd), Chromium (Cr), Cobalt (Co), Copper (Cu), Lead (Pb), Mercury (Hg), Molybdenum (Mo), Nickel (Ni), Selenium (Se), Silver (Ag), Thallium (Tl), Vanadium (V) and Zinc (Zn) (EPA 6020A).

### 3.2 Analytical Results

Results of chemical analyses on the samples collected on March 13, 2006 are presented in Tables 1 - 6. Certified laboratory reports are presented in Appendix B, including chain-of-custody record data.

Table 1. Soil Analytical Results - Petroleum Hydrocarbons

Sample ID	Depth <u>Feet</u>	TPH-g mg/kg	BTEX mg/kg	MTBE mg/kg	TPH-d mg/kg	TPH-k mg/kg	TPH-mo mg/kg	TPH-ss mg/kg
SB-I	4	ND	ND	ND	ND	ND	ND	ND
SB-2	4	ND	ND	ND	ND	ND	ND	ND
SB-3	4	ND	ND	ND	ND	ND	ND	ND
SB-4	4	ND	ND	ND	ND	ND	ND	ND
SB-5	4	ND	ND	ND	ND	ND	ND	ND

ND means not detected above the reporting limit.

Table 2. Soil Analytical Results - Volatile Organic Constituents

Sample	Depth	2-Chlorotoluene
<u>ID</u>	<u>Feet</u>	mg/kg
SB-1	4	ND
SB-2	4	ND
SB-3	4	ND
SB-4	4	0.014
SB-5	4	ND

ND means not detected above the reporting limit. No other detectable amounts of volatile organic compounds (VOCs) analyzed as part of EPA 8260B were discovered in the soil samples taken.

Table 3. Soil Analytical Results - Inorganic Constituents (TTLC Extraction)

Sample	Depth	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb
<u>ID</u>	<u>Feet</u>	mg/kg	<u>mg/k</u> g	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SB-1 SB-2 SB-3 SB-4 SB-5	4 4 4 4	ND 0.77 ND ND ND	8.7 8.1 13 4.4 4.9	180 280 330 380 260	0.52 0.64 0.66 0.69 0.54	0.27 0.49 ND ND ND	54 66 68 74 56	12 12 16 13	26 39 41 41 33	7.5 32 11 9.5 7.9
Sample	Depth	Hg	Mo	Ni	Se	Ag	Tl	V	Zn	
<u>ID</u>	<u>Feet</u>	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
SB-1 SB-2 SB-3 SB-4 SB-5	4 4 4 4	0.062 0.10 0.14 0.062 ND	0.55 0.71 0.55 ND ND	68 75 65 59 43	ND ND ND ND	ND ND ND ND	ND ND ND ND	49 61 82 71 61	53 120 63 65 50	

ND means not detected above the reporting limit.

Table 4. Groundwater Analytical Results - Petroleum Hydrocarbons

Sample <u>ID</u>	Depth	TPH-g	BTEX	MTBE	TPH-d	TPH-k	TPH-mo	TPH-ss
	Feet	<u>µg/L</u>	µg/L	<u>µg/L</u>	µg/L	<u>µg/L</u>	<u>µg/L</u>	<u>µg/L</u>
GW-1	7-8	ND	ND	1.2	520	ND	4,900	ND

ND means not detected above the reporting limit.

Table 5. Ground Water Analytical Results - Volatile Organic Constituents

Sample	Depth	VOCs
<u>ID</u>	<u>Feet</u>	µg/L
GW-1	7-8	ND*

ND means not detected above the reporting limit. No detectable amounts of volatile organic compounds (VOCs) analyzed as part of EPA 8260B, besides \*MTBE at  $1.2 \mu g/L$  was discovered in the grab water sample taken.

Table 6. Ground Water Analytical Results - Inorganic Constituents

Sample ID	Depth Feet	Sb µg/L	As μg/L	Ва <u>µg/L</u>	Be μg/L	Cd µg/L	Cr µg/L	Co µg/L	Cu µg/L	Pb μg/L
GW-1	7-8	ND	ND.	100	ND	ND	ND	3.9	ND	ND
Sample <u>ID</u>	Depth <u>Feet</u>	Hg <u>µg/L</u>	Mo μg/L	Ni µg/L	Se μg/L	Ag µg/L	ΤΙ μg/L	V µg/L	Zn µg/L	
GW-1	7-8	0.020	4.4	8.1	ND	ND	ND	1.1	ND	

ND means not detected above the reporting limit.

Project: 81st Ave
Project Number: [none]
Project Manager: Jim Gribi

Reported: 11/17/06 14:26

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GA-1-7.0	T601549-01	Soil	11/10/06 12:45	11/13/06 08:39
GA-1-W	T601549-02	Water	11/10/06 12:55	11/13/06 08:39
GA-2-5.0	T601549-03	Soil	11/10/06 11:55	11/13/06 08:39
GA-2-W	T601549-04	Water	11/10/06 12:10	11/13/06 08:39
GA-3-6.0	T601549-05	Soil	11/10/06 11:30	11/13/06 08:39
GA-3-W	T601549-06	Water	11/10/06 11:40	11/13/06 08:39
GA-4-6.0	T601549-07	Soil	11/10/06 10:45	11/13/06 08:39
GA-4-11.5	T601549-08	Soil	11/10/06 10:50	11/13/06 08:39
GA-5-6.0	T601549-09	Soil	11/10/06 09:20	11/13/06 08:39
GA-5-W	T601549-10	Water	11/10/06 09:30	11/13/06 08:39
GA-6-7.0	T601549-11	Soil	11/10/06 09:50	11/13/06 08:39
GA-6-W	T601549-12	Water	11/10/06 10:00	11/13/06 08:39
GA-7-6.0	T601549-13	Soil	11/10/06 09:00	11/13/06 08:39
GA-7-W	T601549-14	Water	11/10/06 09:10	11/13/06 08:39
GA-8-7.0	T601549-15	Soil	11/10/06 10:00	11/13/06 08:39
GA-8-W	T601549-16	Water	11/10/06 10:00	11/13/06 08:39

SunStar Laboratories, Inc.

Project: 81st Ave

Project Number: [none] Project Manager: Jim Gribi Reported: 11/17/06 14:26

# Extractable Petroleum Hydrocarbons by 8015 SunStar Laboratories, Inc.

		D ()	••	<del></del>		•••			
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GA-1-7.0 (T601549-01) Soil	Sampled: 11/10/06 12:45	Received:	11/13/06	08:39					-
C13-C28 (DRO)	ND	10	mg/kg	1	6111404	11/14/06	11/15/06	EPA 8015m	
C29-C40 (MORO)	ND	10	lt	"	11	))	"	<i>"</i>	
Surrogate: Chrysene		116 %	65-	135	"	"	"	IT	
GA-1-W (T601549-02) Wate	r Sampled: 11/10/06 12:5	5 Received	l: 11/13/0	6 08:39					
C13-C28 (DRO)	ND	0.10	mg/l	1	6111408	11/14/06	11/15/06	EPA 8015m	
C29-C40 (MORO)	ND	0.10	"	н	n	IF	D	71	
Surrogate: Chrysene		113 %	65-	135	"	"	"	"	
GA-2-5.0 (T601549-03) Soil	Sampled: 11/10/06 11:55	Received:	11/13/06	08:39					
C13-C28 (DRO)	ND	10	mg/kg	1	6111404	11/14/06	11/15/06	EPA 8015m	
C29-C40 (MORO)	ND	10	11	n	H	II	n		
Surrogate: Chrysene		96.1 %	65-	135	"	n	"	"	٠
GA-2-W (T601549-04) Wate	r Sampled: 11/10/06 12:1	0 Received	l: 11/13/0	6 08:39					
C13-C28 (DRO)	ND	0.10	mg/l	1	6111408	11/14/06	11/15/06	EPA 8015m	
C29-C40 (MORO)	ND	0.10	O	п	P	11	н	*	
Surrogate: Chrysene		99.2 %	65-	135	"	u .	n	"	
GA-3-6.0 (T601549-05) Soil	Sampled: 11/10/06 11:30	Received:	11/13/06	08:39					
C13-C28 (DRO)	ND	10	mg/kg	1	6111404	11/14/06	11/15/06	EPA 8015m	
C29-C40 (MORO)	ND	10	н	H		И		lf	
Surrogate: Chrysene		98.4 %	65-	135	,,	н	ır	"	
GA-3-W (T601549-06) Wate	r Sampled: 11/10/06 11:4	0 Received	l: 11/13/0	6 08:39					
C13-C28 (DRO)	ND	0.10	mg/l	1	6111408	11/14/06	11/15/06	EPA 8015m	·
C29-C40 (MORO)	ND	0.10	n	fi	ri .	h	н	U	
Surrogate: Chrysene		94.8 %	65-	135	"	, <i>u</i>	"	u	

SunStar Laboratories, Inc.

1090 Adam Street, Suite K

Benicia CA, 94510

Project: 81st Ave

Project Number: [none]

Project Manager: Jim Gribi

Reported: 11/17/06 14:26

## Extractable Petroleum Hydrocarbons by 8015 SunStar Laboratories, Inc.

A 1. A -	D 16	Reporting	T T= 2+-	TOO SEALS	Dodah	D	A making d	Mathad	Nata
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
GA-4-6.0 (T601549-07) Soil	Sampled: 11/10/06 10:45	Received:	11/13/06 (	08:39					
C13-C28 (DRO)	ND	10	mg/kg	1	6111404	11/14/06	11/15/06	EPA 8015m	
C29-C40 (MORO)	ND	10	и	11	#	n	»	H	
Surrogate: Chrysene		118%	65-	135	"	"	n	tt	
GA-4-11.5 (T601549-08) Soil	Sampled: 11/10/06 10:50	Received:	11/13/06	08:39					
C13-C28 (DRO)	ND	10	mg/kg	1	6111404	11/14/06	11/15/06	EPA 8015m	
C29-C40 (MORO)	ND ND	10	. "	#	n	"	"	11	
Surrogate: Chrysene		115 %	65-	135	"	"	"	tt	
GA-5-6.0 (T601549-09) Soil	Sampled: 11/10/06 09:20	Received:	11/13/06	08:39					
C13-C28 (DRO)	ND	10	mg/kg	1	6111404	11/14/06	11/15/06	EPA 8015m	
C29-C40 (MORO)	ND	10	R	N	n .	hr	jir	н	
Surrogate: Chrysene		89.9 %	65-	135	"	"	"	"	
GA-5-W (T601549-10) Wate	r Sampled: 11/10/06 09:3	0 Received	: 11/13/0	6 08:39					
C13-C28 (DRO)	ND	0.10	mg/l	1	6111408	11/14/06	11/15/06	EPA 8015m	
C29-C40 (MORO)	ND	0.10	<b>#</b>	Ħ	)I	H	ìi	н	
Surrogate: Chrysene		94.0 %	65-	135	#	"	"	"	
GA-6-7.0 (T601549-11) Soil	Sampled: 11/10/06 09:50	Received:	11/13/06	08:39					
C13-C28 (DRO)	ND	10	mg/kg	1	6111404	11/14/06	11/16/06	EPA 8015m	
C29-C40 (MORO)	ND	10	"	b	)r	H	14	"	
Surrogate: Chrysene		107 %	65-	135	"	#	"	rr .	
GA-6-W (T601549-12) Wate	r Sampled: 11/10/06 10:0	0 Received	: 11/13/0	6 08:39					
C13-C28 (DRO)	ND	0.10	mg/l	1	6111408	11/14/06	11/15/06	EPA 8015m	
C29-C40 (MORO)	ND	0.10	,	II	11	H	11	п	
Surrogate: Chrysene		118%	65-	135	"	"	"	"	

SunStar Laboratories, Inc.

1090 Adam Street, Suite K Benicia CA, 94510 Project: 81st Ave

Project Number: [none] Project Manager: Jim Gribi Reported: 11/17/06 14:26

# Extractable Petroleum Hydrocarbons by 8015 SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
GA-7-6.0 (T601549-13) Soil	Sampled: 11/10/06 09:00	Received:	11/13/06	08:39				<u> </u>	
C13-C28 (DRO)	ND	10	mg/kg	1	6111404	11/14/06	11/16/06	EPA 8015m	
C29-C40 (MORO)	ND	10	и	n	'n	11	lt .	n .	
Surrogate: Chrysene		110 %	65-	135	n	n	"	"	
GA-7-W (T601549-14) Water	r Sampled: 11/10/06 09:10	0 Received	: 11/13/0	6 08:39					
C13-C28 (DRO)	ND	0.10	mg/l	1	6111408	11/14/06	11/15/06	EPA 8015m	
C29-C40 (MORO)	ND	0.10	"	n	п	II		"	
Surrogate: Chrysene		98.2 %	65-	135	"	"	н	"	
GA-8-7.0 (T601549-15) Soil	Sampled: 11/10/06 10:00	Received:	11/13/06	08:39					
C13-C28 (DRO)	ND	10	mg/kg	1	6111404	11/14/06	11/16/06	EPA 8015m	
C29-C40 (MORO)	ND	10	и	n	И	b	н	16	
Surrogate: Chrysene		82.2 %	65-	135	"	. "	"	"	
GA-8-W (T601549-16) Water	r Sampled: 11/10/06 10:00	0 Received	l: 11/13/0	6 08:39					
C13-C28 (DRO)	ND	0.10	mg/l	1	6111408	11/14/06	11/15/06	EPA 8015m	
C29-C40 (MORO)	ND	0.10	n	h	11	1+	D	l#	
Surrogate: Chrysene		114 %	65-	135	"	"	"	"	

SunStar Laboratories, Inc.

Gribi Associates 1090 Adam Street, Suite K

Benicia CA, 94510

Project: 81st Ave

Project Number: [none]
Project Manager: Jim Gribi

Reported: 11/17/06 14:26

## TTLC RCRA Metals by EPA 6010B

## SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
GA-1-7.0 (T601549-01) Soil	Sampled: 11/10/06 12:45	Received:	11/13/06	08:39					
Arsenic	ND	5.0	mg/kg	1	6111412	11/14/06	11/15/06	EPA 6010B	
Barium	130	1.0	11	я	н	n	D	*	
Cadmium	ND	2.0	**	u	"	"	D	*	
Chromium	30	2.0	17	91	"	17	19	rt	
Lead	38	3.0	Ħ	11	н	*	н	H	
Selenium	ND	5.0	#	Ħ	#	Ti.	U	19	
Silver	ND	2.0	*	31	II	11	IJ	3 <del>1</del>	
GA-1-W (T601549-02) Water	r Sampled: 11/10/06 12:55	Received	l: 11/13/0	6 08:39					
Arsenic	ND	50	ug/l	]	6111407	11/14/06	11/15/06	EPA 6010B	
Barium	110	50	W	14	R	য	в	#	
Cadmium	ND	50	H	**	19	17	U	*	
Chromium	ND	50	"	19	R	17	U	19	
Lead	150	50	н	Ħ	*	н	и .	rr	
Selenium	ND	50	h	*	#	H	н	n	
Silver	ND	50	n	H	*	н	II	и	
GA-2-5.0 (T601549-03) Soil	Sampled: 11/10/06 11:55	Received:	11/13/06	08:39					
Arsenic	ND	5.0	mg/kg	1	6111412	11/14/06	11/15/06	EPA 6010B	
Barium	170	1.0	n	n	TÎ	n	a	n	
Cadmium	ND	2.0	n	n	n	Ħ	U	H	
Chromium	41	2.0	"	n	η	n	H	n	
Lead	53	3.0	"	*	и	n	u	n	
Selenium	ND	5.0	"	n	и	n	Ħ	"	
Silver	ND	2.0	н	n	n	н	Ħ	"	

SunStar Laboratories, Inc.

1090 Adam Street, Suite K

Benicia CA, 94510

Project: 81st Ave

Project Number: [none]

Project Manager: Jim Gribi

Reported: 11/17/06 14:26

## TTLC RCRA Metals by EPA 6010B

## SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
GA-2-W (T601549-04) Water	Sampled: 11/10/06 12:10	Received	: 11/13/0	6 08:39					
Arsenic	ND	50	ug/l	ı	6111407	11/14/06	11/15/06	EPA 6010B	
Barium	140	50	*	#	н	II .	II.	н	
Cadmium	ND	50	**	#	n n	II .	1*	н	
Chromium	ND	50	n	n	H	Ħ	II.	н	
Lead	130	50	n	*	ıı	H	10	н	
Selenium	ND	50	h	H	н	"	ij.	п	
Silver	ND	50	)r	n	п	*	II		
GA-3-6.0 (T601549-05) Soil S	Sampled: 11/10/06 11:30   I	Received: 1	1/13/06	08:39					
Arsenic	ND	5.0	mg/kg	1	6111412	11/14/06	11/15/06	EPA 6010B	•
Barium	210	1.0	)1	n	ıı	n	IJ	Ħ	
Cadmium	ND	2.0	n.	"	4	"	II	11	
Chromium	21	2.0	11	"	#	*	н	n	
Lead	42	3.0	)r	ir	н	n	n	*	
Selenium	ND	5.0	IT	n	17	n	Ħ	H	
Silver	ND	2.0	17	n	. 17	b	н	H	
GA-3-W (T601549-06) Water	Sampled: 11/10/06 11:40	Received	: 11/13/0	6 08:39					
Arsenic	ND	50	ug/l	1	6111407	11/14/06	11/15/06	EPA 6010B	_
Barium	120	50	D	lf	н	"	Ħ	Ħ	
Cadmium	ND	50	D	16	n	"	71	"	
Chromium	ND	50	D	19	n	11	*1	11	
Lead	120	50	ρ	19	n	н	н	"	
Selenium	ND	50	D	j÷	н	If	н	n	
Silver	ND	50	н	If	n	16	н	II .	

SunStar Laboratories, Inc.

Gribi Associates 1090 Adam Street, Suite K

Benicia CA, 94510

Project: 81st Ave

Project Number: [none]
Project Manager: Jim Gribi

Reported: 11/17/06 14:26

## TTLC RCRA Metals by EPA 6010B

## SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Anatyzed	Method	Notes
GA-4-6.0 (T601549-07) Soil	Sampled: 11/10/06 10:45	Received:	1/13/06	08:39					
Arsenic	ND	5.0	mg/kg	1	6111412	11/14/06	11/15/06	EPA 6010B	
Barium	84	1.0	0	1+	17	Ħ	II	"	
Cadmium	ND	2.0	H	19	17	11	"	,,	
Chromium	22	2.0	Ħ	I†	n	11		n	
Lead	35	3.0	H	0	n	н	я	II.	
Selenium	ND	5.0	н	U	U	n	n	n	
Silver	ND	2.0	н	II.	ri .	п	Ħ		
GA-4-11.5 (T601549-08) Soil	Sampled: 11/10/06 10:50	Received:	11/13/06	08:39					
Arsenic	ND	5.0	mg/kg	1	6111412	11/14/06	11/15/06	EPA 6010B	
Barium	74	1.0	и	a	н	н	n	n	
Cadmium	ND	2.0	11	Ħ	н	ıı	"	e	
Chromium	24	2.0	"	+1	*1	P	"	e	
Lead	29	3.0	я	11	Ħ	*	**	**	
Selenium	ND	5.0	п	11	n	4	n	H	
Silver	ND	2.0	11	"	н	**	lt.	Ħ	
GA-8-7.0 (T601549-15) Soil	Sampled: 11/10/06 10:00	Received:	11/13/06	08:39					_
Arsenic	ND	5.0	mg/kg	1	6111412	11/14/06	11/15/06	EPA 6010B	
Barium	170	1.0	n	n	н	'n	H	и	
Cadmium	ND	2.0	н	n	п	"	H	п	
Chromium	35	2.0	n	u	п	"	Ħ	H .	
Lead	54	3.0	n	ц	If	ıı	If	п	
Selenium	ND	5.0	It	ıı	"	ıı	I <del>t</del>	п	
Silver	ND	2.0	n	#	11	в .	ti.	16	

SunStar Laboratories, Inc.

1090 Adam Street, Suite K Benicia CA, 94510

Project: 81st Ave

Project Number: [none]

Reported: 11/17/06 14:26

Project Manager: Jim Gribi

## TTLC RCRA Metals by EPA 6010B SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
GA-8-W (T601549-16) Water	Sampled: 11/10/06 10:00	Received	: 11/13/0	6 08:39		-			
Arsenic	ND	50	ug/l	1	6111407	11/14/06	11/15/06	EPA 6010B	
Barium	61	50		н	"	п	n	U	
Cadmium	ND	50	п	п	"	n	,,	. "	
Chromium	ND	50	н	н	n n	"	n	. "	
Lead	81	50	Ħ	п	н	n	p	et e	
Selenium	ND	50	19	п	п	n	h	Ħ	
Silver	ND	50	•	н		п	п	11	

SunStar Laboratories, Inc.

Project: 81st Ave
Project Number: [none]
Project Manager: Jim Gribi

Reported: 11/17/06 14:26

## Cold Vapor Extraction EPA 7470/7471 SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	 Notes
GA-1-7.0 (T601549-01) Soil Sa	impled: 11/10/06 12:45	Received: 1	1/13/06 (	08:39					
Mercury	ND	0.10	mg/kg	1	6111413	11/14/06	11/15/06	EPA 7471A Soil	
GA-1-W (T601549-02) Water	Sampled: 11/10/06 12:55	Received	: 11/13/00	6 08:39					
Mercury	ND	0.50	ug/l	1	6111405	11/14/06	11/14/06	EPA 7470A Water	
GA-2-5.0 (T601549-03) Soil Sa	ampled: 11/10/06 11:55	Received: 1	11/13/06 (	08:39					
Mercury	ND	0.10	mg/kg	1	6111413	11/14/06	11/15/06	EPA 7471A Soil	
GA-2-W (T601549-04) Water	Sampled: 11/10/06 12:10	Received	: 11/13/0	6 08:39					
Mercury	ND	0.50	ug/l	1	6111405	11/14/06	11/14/06	EPA 7470A Water	
GA-3-6.0 (T601549-05) Soil Sa	ampled: 11/10/06 11:30	Received: 1	11/13/06 (	08:39					
Mercury	ND	0.10	mg/kg	1	6111413	11/14/06	11/15/06	EPA 7471A Soil	
GA-3-W (T601549-06) Water	Sampled: 11/10/06 11:40	Received	: 11/13/0	6 08:39					
Mercury	ND	0.50	ug/l	1	6111405	11/14/06	11/14/06	EPA 7470A Water	
GA-4-6.0 (T601549-07) Soil Sa	ampled: 11/10/06 10:45	Received: 1	11/13/06 (	08:39					
Mercury	ND	0.10	mg/kg	1	6111413	11/14/06	11/15/06	EPA 7471A Soil	
GA-4-11.5 (T601549-08) Soil S	Sampled: 11/10/06 10:50	Received:	11/13/06	08:39					
Mercury	ND	0.10	mg/kg	1	6111413	11/14/06	11/15/06	EPA 7471A Soil	
GA-8-7.0 (T601549-15) Soil Sa	ampled: 11/10/06 10:00	Received: 1	11/13/06 (	08:39					
Mercury	ND	0.10	mg/kg	1	6111413	11/14/06	11/15/06	EPA 7471A Soil	

SunStar Laboratories, Inc.

1090 Adam Street, Suite K Benicia CA, 94510 Project: 81st Ave

Project Number: [none]

Project Manager: Jim Gribi

Reported: 11/17/06 14:26

## Cold Vapor Extraction EPA 7470/7471

## SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GA-8-W (T601549-16) Water	Sampled: 11/10/06 10:00	Received	: 11/13/0	6 08:39					
Mercury	ND	0.50	ug/l	1	6111405	11/14/06	11/14/06	EPA 7470A Water	

SunStar Laboratories, Inc.

Project: 81st Ave
Project Number: [none]
Project Manager: Jim Gribi

Reported: 11/17/06 14:26

## Volatile Organic Compounds by EPA Method 8260B SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
GA-1-7.0 (T601549-01) Soil	Sampled: 11/10/06 12:45	Received:	1/13/06	08:39					
Bromobenzene	ND	2.0	ug/kg	1	6111501	11/15/06	11/15/06	EPA 8260B	
Bromochloromethane	ND	2.0	"	и	II .	n	U	"	
Bromodichloromethane	ND	2.0	"	19	"	n	U	и	
Bromoform	ND	2.0	11	*	II	n	U	"	
Bromomethane	ND	2.0	11	н	II	Ħ	U	Ħ	
n-Butylbenzene	ND	2.0	н	n	17	Ħ	U	11	
sec-Butylbenzene	ND	2.0	n	n	11	"	II	24	
tert-Butylbenzene	ND	2.0	Þ	**	11	n	II .	11	
Carbon tetrachloride	ND	2.0	1f	n	1)	n	n	12	
Chlorobenzene	ND	2.0	16	n	<b>59</b>	n	Ħ	R	
Chloroethane	ND	2.0		H	n	n	н	n	
Chloroform	ND	2.0	lr .	H	*	n	Ħ	n	
Chloromethane	ND	2.0	10	h	H	n	н	Ħ	
2-Chlorotoluene	ND	2.0	ìr	**	n	n	H	*	
4-Chlorotoluene	ND	2.0	İF	n	n	II	-01	n	
Dibromochloromethane	ND	2.0	j <b>r</b>	h	n	И	Ħ	n	
1,2-Dibromo-3-chloropropane	ND	2.0	ır	"	η	lt.	*1	"	
1,2-Dibromoethane (EDB)	ND	2.0	l <del>t</del>	n	n	n .	n	10	
Dibromomethane	ND	2.0	19	п	n	II	*1	"	
1,2-Dichlorobenzene	ND	2.0	19	n	n	It	н	"	
1,3-Dichlorobenzene	ND	2.0	1+	п	n	JI	н	II .	
1,4-Dichlorobenzene	ND	2.0	I†	,,	"	It	н	п	
Dichlorodifluoromethane	ND	2.0	<b>j+</b>	и	h	11	н	н	
1,1-Dichloroethane	ND	2.0	n	н	n	10	н	IF	
1,2-Dichloroethane	ND	2.0	11	15	n	H	н	н	
1,1-Dichloroethene	ND	2.0	19	11	n	1+	н	IF	
cis-1,2-Dichloroethene	ND	2.0	υ	17	b	*	и	h	
trans-1,2-Dichloroethene	ND	2.0	н	)>	ly .	l†	11	16	
1,2-Dichloropropane	ND	2.0	n	)e	n	19	11	и	
1,3-Dichloropropane	ND	2.0	11	IF	"	11	n	lt .	
2,2-Dichloropropane	ND	2.0		If	. "	n	н	10	
1,1-Dichloropropene	ND ND	2.0	11	17	"	"	ır	11	
cis-1,3-Dichloropropene	ND ND	2.0		11	II.	.,	**	n	
trans-1,3-Dichloropropene	ND ND	2.0	U	11	ır	H	19	11	
Hexachlorobutadiene	ND ND	2.0	17	10	IF.	II.	न	n	
Isopropylbenzene	ND ND	2.0	U	n.	ır	н	17	17	
p-Isopropyltoluene	ND ND	2.0	o	n	11	0	#	II.	
Methylene chloride	ND	2.0	0		b	A	n	u u	
-			0	0			. "		
Naphthalene - Brandhangana	ND	2.0		 D	 P		'n		
n-Propylbenzene	ND	2.0	0	,,	,,	,	,,		
Styrene	ND	2.0	,,	,,	,,	,		,,	
1,1,2,2-Tetrachloroethane	ND	2.0	a	D	. "	"	n	"	

SunStar Laboratories, Inc.

1090 Adam Street, Suite K Benicia CA, 94510 Project: 81st Ave

Project Number: [none]
Project Manager: Jim Gribi

Reported: 11/17/06 14:26

## Volatile Organic Compounds by EPA Method 8260B SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
					Ваксп	rrepared	Anaryzed	Method	14016
GA-1-7.0 (T601549-01) Soil	Sampled: 11/10/06 12:45	Received:	11/13/06	08:39					
1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	1	6111501	11/15/06	11/15/06	EPA 8260B	
Tetrachloroethene	ND	2.0	ĮT	"	"	n	n	59	
1,2,3-Trichlorobenzene	ND	2.0	17	*	#	"	0	n	
1,2,4-Trichlorobenzene	ND	2.0	17	n	Ħ	n	H	n	
1,1,2-Trichloroethane	ND	2.0	17	II	π	H	D	h	
1,1,1-Trichloroethane	ND	2.0	17	н	π	n	tt	H	
Trichloroethene	ND	2.0	".		Ħ	"	u	n	
Trichlorofluoromethane	ND	2.0	u u	"	7	,,	*1	n	
1,2,3-Trichloropropane	ND	2.0	II	H	n	,,	11	II .	
1,3,5-Trimethylbenzene	ND	2.0	II.	ii.	п	)r	+1	n	
1,2,4-Trimethylbenzene	ND	2.0	п	11	n	p.	11	n	
Vinyl chloride	ND	2.0	U	11	n	"	†1	17	
Benzene	ND	2.0	II .	15	"	,,	71	11	
Toluene	ND	2.0	u	H	H	17	11	"	
Ethylbenzene	ND	2.0	n	H	n	IP .	11	II	
m,p-Xylene	ND	4.0		11	H	19	*1	II .	
o-Xylene	ND	2.0	**	19	n	H	н	н	
C6-C12 (GRO)	ND	500	71	"	n	19	н		
Surrogate: Toluene-d8		103 %	85.5	5-116	"	,,	n	"	
Surrogate: 4-Bromofluorobenze	ne:	109 %		2-123	"	"	#	"	
Surrogate: Dibromofluorometh		110 %		-135	,,	"	ır	"	
GA-1-W (T601549-02) Water	Sampled: 11/10/06 12:5	5 Received	l: 11/13/0	6 08:39					
Bromobenzene	ND	1.0	ug/l	1	6111502	11/15/06	11/16/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	н	н	0	It	14	
Bromodichloromethane	ND	1.0	"	r	If	D	It	н	
Bromoform	ND	1.0	и	0	U	II .	ıí	D	
Bromomethane	ND	1.0	н	11	It	n.	#	D	
n-Butylbenzene	ND	1.0	н	9	It	n n	#	D	
sec-Butylbenzene	ND	1.0	п	*11	,,	*1	*	O	
tert-Butylbenzene	ND	1.0	п	11	p	1)	tł.	U	
Carbon tetrachloride	ND	0.50	н	11	17	U	#	. 0	
Chlorobenzene	ND	1.0	н	н	17	U	ŧŧ	O	
Chloroethane	ND	1.0	n	н	ıı	**	n	n	
Chloroform	ND	1.0	"	"	"	**	"	n	
Chloromethane	ND	1.0	*	н	U	**	н	н	
2-Chlorotoluene	ND ND	1.0	*	н	n	*1	"	н	
4-Chlorotoluene	ND ND	1.0	*	и	D	Ħ	н	91	
Dibromochloromethane	ND ND	1.0	н	н	U	и	n	21	
1,2-Dibromo-3-chloropropane	ND ND	1.0	#	и	n	н	п	31	
1,2-Dibromoethane (EDB)	ND ND	1.0	10	и	D	н	11	11	
Dibromomethane	ND ND	1.0	<b>H</b>	н	U	11	n n	н	
DIDIOHORICHIANC	ND	1.0		••	••				

SunStar Laboratories, Inc.

Project: 81st Ave Project Number: [none]

Project Number: [none]
Project Manager: Jim Gribi

Reported: 11/17/06 14:26

## Volatile Organic Compounds by EPA Method 8260B SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
					Batch	rtepared	Allalyzed	Method	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
GA-1-W (T601549-02) Water	Sampled: 11/10/06 12:55	Received:	11/13/06	08:39					
1,2-Dichlorobenzene	ND	1.0	ug/l	1	6111502	11/15/06	11/16/06	EPA 8260B	
1,3-Dichlorobenzene	ND	1.0	17	,	"	"	n n	"	
1,4-Dichlorobenzene	ND	1.0	II.	)1	**	ti .	н	"	
Dichlorodifluoromethane	ND	0.50	n	P	Þ	н	U	lf.	
1,1-Dichloroethane	ND	1.0	U	II.	İt	H	+1	. "	
1,2-Dichloroethane	ND	0.50	II .	r,	lt .	н	*1	II .	
1,1-Dichloroethene	ND	1.0	11	"	IT.	19	"	)f	
cis-1,2-Dichloroethene	ND	1.0	н	11	U	**	*	16	
trans-1,2-Dichloroethene	ND	1.0	н	II .	U	**	"	p	
1,2-Dichloropropane	ND	1.0	n	19	U	11	μ	19	
1,3-Dichloropropane	ND	1.0	11	"	II .	"	н	j <del>,</del>	
2,2-Dichloropropane	ND	1.0	н	U	U	"	н	n	
1,1-Dichloropropene	ND	1.0	н	н	II .	и	*	n	
cis-1,3-Dichloropropene	ND	0.50	н	n	u	н		ρ	
trans-1,3-Dichloropropene	ND	0.50	н	11	n	II	,,	U	
Hexachlorobutadiene	ND	1.0	н	+1	н	It	*	II.	
Isopropylbenzene	ND	1.0	н	11	*1	и	*	п	
p-Isopropyltoluene	ND	1.0	н	11	*1	"	н	п	
Methylene chloride	ND	1.0	н	11	*1	и	H	41	
Naphthalene	ND	1.0	н	71	71	Ħ	n	n	
n-Propylbenzene	ND	1.0	н	н	н	17		11	
Styrene	ND	1.0	#	н	"	<b>#</b>	,	11	
1,1,2,2-Tetrachloroethane	ND ND	1.0	*	н	"	77	,,	11	
1,1,1,2-Tetrachloroethane	ND ND	1.0	*	и	н	**	,,	н	
Tetrachloroethene	ND ND	1.0	*	ji	и	ь	п	и	
1,2,3-Trichlorobenzene	ND ND	1.0	*		н	*	ır	и	
1,2,4-Trichlorobenzene	ND ND	1.0	n	и	ч	))	B	п	
1,1,2-Trichloroethane	ND ND	1.0	n	•	ıı	n	н	n	
1,1,1-Trichloroethane	ND ND	1.0	n			1 <del>)</del>	lt.	9	
* *			n	*	n	и		p	
Trichloroethene	ND	1.0	,,	17	,			"	
Trichlorofluoromethane	ND	1.0	)) ))		*			 n	
1,2,3-Trichloropropane	ND	1.0	,, D		"				
1,3,5-Trimethylbenzene	ND	1.0	,,	,	**	,,		" n	
1,2,4-Trimethylbenzene	ND	1.0	,,		"	,,		" "	
Vinyl chloride	ND	0.50	"		"	"	"	"	
Benzene	ND	0.50		,	. "	"	,		
Toluene	ND	0.50	I <del>)</del>	н				"	
Ethylbenzene	ND	0.50	1+	11-	11-	U	n	16	
m,p-Xylene	ND	1.0	19	п	И	II .	n	lt*	
o-Xylene	ND	0.50	B	16	II-	II	н	17	
C6-C12 (GRO)	ND	50	н	b	"		"	IT	
Surrogate: Toluene-d8		103 %	88.8	-117	"	n	n	n	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Maria Bonifacio, Project Coordinator

1090 Adam Street, Suite K Benicia CA, 94510 Project: 81st Ave

Project Number: [none]

Reported: 11/17/06 14:26

Project Manager: Jim Gribi

## Volatile Organic Compounds by EPA Method 8260B SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
GA-1-W (T601549-02) Water	Sampled: 11/10/06 12:55	Received	: 11/13/0	6 08:39					
Surrogate: 4-Bromofluorobenz	ene	115 %	83.5	5-119	6111502	11/15/06	11/16/06	EPA 8260B	
Surrogate: Dibromofluorometh	ane	104 %	81.1	1-136	"	"	"	"	
GA-2-5.0 (T601549-03) Soil	Sampled: 11/10/06 11:55	Received: 1	11/13/06	08:39					
Bromobenzene	ND	2.0	ug/kg	1	6111501	11/15/06	11/15/06	EPA 8260B	
Bromochloromethane	ND	2.0	"	If	р	н	II	и	
Bromodichloromethane	ND	2.0	"	'n	17	Ħ	U	n	
Bromoform	ND	2.0	"	10	n	+1	н	II .	
Bromomethane	ND	2.0	II .	17	n	#1	U	H	
n-Butylbenzene	ND	2.0	II.	17	n	Ħ	n	и	
sec-Butylbenzene	ND	2.0	11	17	U	Ħ	ø	h	
tert-Butylbenzene	ND	2.0	u	19	II .	Ħ	. 4	п	
Carbon tetrachloride	ND	2.0	H	U	0	н	+1		
Chlorobenzene	ND	2.0	21	U	U	н	n	H	
Chloroethane	ND	2.0	Ħ	n	н	н	п	)r	
Chloroform	ND	2.0	н	0	н	н	п	12	
Chloromethane	ND	2.0	71	n	Ħ	u	н	D	
2-Chlorotoluene	ND	2.0	11	0	*1	u	п	D	
4-Chlorotoluene	ND	2.0	и	n	11	u	п	U	
Dibromochloromethane	ND	2.0	н	U	11	н	II	11	
1,2-Dibromo-3-chloropropane	ND	2.0	п	n	п	Ħ	q	n	
1,2-Dibromoethane (EDB)	ND	2.0	п	11	п	18	ц	ø	
Dibromomethane	ND	2.0	"	"	и	п	"	D	
1,2-Dichlorobenzene	ND	2.0	ıt.	и	н	n	н	ø	
1,3-Dichlorobenzene	ND	2.0	H	и	н	m	**	U	
1,4-Dichlorobenzene	ND	2.0	#	п	п	n	"	H	
Dichlorodifluoromethane	ND	2.0	**	н	н	n	it	17	
1,1-Dichloroethane	ND	2.0	*	II.		"	11	tı	
1,2-Dichloroethane	ND	2.0	*	и	a	"	"	11	
1,1-Dichloroethene	ND	2.0	n	ıı	M	и	n	11	
cis-1,2-Dichloroethene	ND	2.0	h	H	n	н	n	п	
trans-1,2-Dichloroethene	ND	2.0	n	#	n	II .	"	и	
1,2-Dichloropropane	ND	2.0	н	*	n	II .	U	n	
1,3-Dichloropropane	ND	2.0	11	**	n	II.	II .	n	
2,2-Dichloropropane	ND	2.0	U	*	n	1+	ш	n	
1,1-Dichloropropene	ND	2.0	. "	H	n	н	l#	P	
cis-1,3-Dichloropropene	ND	2.0	ır	. "	"		10	"	
trans-1,3-Dichloropropene	ND	2.0	и	"	lr .	ıı	10	**	
Hexachlorobutadiene	ND	2.0	19	"	W	н	1+	*	
Isopropylbenzene	ND	2.0	lf	n	H	U	19	n	
p-Isopropyltoluene	ND	2.0	11	11	n	II.	D	n	
Methylene chloride	ND	2.0	17			,,	D	,	

SunStar Laboratories, Inc.

Project: 81st Ave
Project Number: [none]

Project Number: [none]
Project Manager: Jim Gribi

Reported: 11/17/06 14:26

## Volatile Organic Compounds by EPA Method 8260B SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GA-2-5.0 (T601549-03) Soil	Sampled: 11/10/06 11:55	Received: 1	1/13/06	08:39					
Naphthalene	ND	2.0	ug/kg	1	6111501	11/15/06	11/15/06	EPA 8260B	
n-Propylbenzene	ND	2.0	н	n	n	*	**	н .	
Styrene	ND	2.0	н	"	*	*	#	н	
1,1,2,2-Tetrachloroethane	ND	2.0	н	R	Ħ	*	*	я	
1,1,1,2-Tetrachloroethane	ND	2.0	μ	ų	Ħ	Ħ	H	н	
Tetrachloroethene	ND	2.0	11	rt	*	ıt	#	п	
1,2,3-Trichlorobenzene	ND	2.0	н	It	17	"	T	n	
1,2,4-Trichlorobenzene	ND	2.0	н		R	"	17	н	
1,1,2-Trichloroethane	ND	2.0	н	H	n	я	19	**	
1,1,1-Trichloroethane	ND	2.0	н	It	Ħ	H	**	ч	
Trichloroethene	ND	2.0	н	n-	Ħ	II .	n	11	
Trichlorofluoromethane	ND	2.0	н		Ħ	ı	*	,t	
1,2,3-Trichloropropane	ND	2.0	н	*	**	11	H	"	
1,3,5-Trimethylbenzene	ND	2.0	н	II	*	u	11	и	
1,2,4-Trimethylbenzene	ND	2.0	н	и	**	u	**	н	
Vinyl chloride	ND	2.0	н	"	#	и	41	11	
Benzene	ND	2.0	н	n	**	u	**	11	
Toluene	ND	2.0	н	и	<b>17</b>	п	**	н	
Ethylbenzene	ND	2.0	п	н	**	n	ল	11	
m,p-Xylene	ND	4.0	71	и	и	н	R	71	
o-Xylene	ND	2.0			#	п	17	н	
C6-C12 (GRO)	ND	500	п	"	n	"	**	п	
Surrogate: Toluene-d8		107 %	85.5	-116	rr .	п	п	**	
Surrogate: 4-Bromofluorobenz	zene	103 %	81.2	2-123	"	ır	rr	Ħ	
Surrogate: Dibromofluorometh		112%	90-	135	"	rr r	rr	**	

SunStar Laboratories, Inc.

Project: 81st Ave Project Number: [none]

Reported: Project Manager: Jim Gribi 11/17/06 14:26

## Volatile Organic Compounds by EPA Method 8260B

## SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GA-2-W (T601549-04) Water	Sampled: 11/10/06 12:10	Received:	11/13/06	08:39					
Bromobenzene	ND	1.0	ug/l	1	6111502	11/15/06	11/16/06	EPA 8260B	
Bromochloromethane	ND	1.0	11	<b>5</b> 4	n	,,	11	n	
Bromodichloromethane	ND	1.0	n	#1	n	"	и	n	
Bromoform	ND	1.0	н	#	<b>n</b>	**	R	n	
Bromomethane	ND	1.0	ıı	**	**	10	D	н	
n-Butylbenzene	ND	1.0	11	#	*	"		"	
sec-Butylbenzene	ND	1.0	11	*	**	10		"	
tert-Butylbenzene	ND	1.0	и .	*	*	**	H .	,	
Carbon tetrachloride	ND	0.50	ıı	#	H	н	16	*	
Chlorobenzene	ND	1.0	и	+	#	**	D D	n	
Chloroethane	ND	1.0	п	**	H	n	H	n	
Chloroform	ND	1.0	ii	*	H	h	H .	n	
Chloromethane	ND	1.0	. и	#	n	n	p	19	
2-Chlorotoluene	ND	1.0	и	P	"	II	it	<b>»</b>	
4-Chlorotoluene	ND	1.0	н	n	n	þį	it	le:	
Dibromochloromethane	ND	1.0	н	,	n	"	)r	n	
1,2-Dibromo-3-chloropropane	ND	1.0	n	n	n	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	п	34	n	n	P	"	
Dibromomethane	ND	1.0	н	#	n	**	и	n	
1,2-Dichlorobenzene	ND	1.0	it.	Ħ	H	10	16	и	
1,3-Dichlorobenzene	ND	1.0	)I	**	H	11	it	n	
1,4-Dichlorobenzene	ND	1.0	II .	**	,,	19	)+	n	
Dichlorodifluoromethane	ND	0.50	n	#	n	l)	)+	10	
1,1-Dichloroethane	ND	1.0	н	+	n	н	1+	n	
1,2-Dichloroethane	ND	0.50	п	P	n	þi	H	и	
1,1-Dichloroethene	ND	1.0	и	+	n	n	1+	n	
cis-1,2-Dichloroethene	ND	1.0	ų	77	"	11	)+	11	
trans-1,2-Dichloroethene	ND	1.0	n	,	"	11	)+	lr .	
1,2-Dichloropropane	ND ND	1.0	It	n	"	þi	jŧ	h	
1,3-Dichloropropane	ND	1.0	ır	n	"	"	p.	n	
2,2-Dichloropropane	ND	1.0	п	n	n	II .		"	
1,1-Dichloropropene	ND	1.0	п	*	"	"	n	"	
cis-1,3-Dichloropropene	ND ND	0.50	n	n	,	"	If	н	
trans-1,3-Dichloropropene	ND	0.50	п	и	n	п	lf.	n	
Hexachlorobutadiene	ND	1.0	п	н	n	II	If .	п	
Isopropylbenzene	ND	1.0	п	н	"	II .	11	n	
p-Isopropyltoluene	ND	1.0	n	,	n	<b>D</b>	1*		
Methylene chloride	ND ND	1.0	и	*	n	10	j <del>e</del>	"	
Naphthalene	ND ND	1.0	и	н	н	i li	15	h	
n-Propylbenzene	ND ND	1.0	н	n	n	hr	19	"	
n-Propyloenzene Styrene	ND ND	1.0	11	D	»	"			
1,1,2,2-Tetrachloroethane	· ND	1.0	"	n	n	17	it	11	

SunStar Laboratories, Inc.

1090 Adam Street, Suite K Benicia CA, 94510 Project: 81st Ave

Project Number: [none]
Project Manager: Jim Gribi

Reported: 11/17/06 14:26

## Volatile Organic Compounds by EPA Method 8260B SunStar Laboratories, Inc.

Апаlyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GA-2-W (T601549-04) Water	Sampled: 11/10/06 12:10	Received:	11/13/0	6 08:39					
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	I	6111502	11/15/06	11/16/06	EPA 8260B	
Tetrachloroethene	ND	1.0	n	11		н	"	U	
1,2,3-Trichlorobenzene	ND	1.0	H	н	**	"	#	U	
1,2,4-Trichlorobenzene	ND	1.0	**	н	e	II	и	U	
1,1,2-Trichloroethane	ND	1.0	н	н	9	II	n .	U	
1,1,1-Trichloroethane	ND	1.0	*	н	+1	II	ш	u u	
Trichloroethene	ND	1.0	10	"	n	n	ρi	U	
Trichlorofluoromethane	ND	1.0	rt	и	*1	ıı	ш	n	
1,2,3-Trichloropropane	ND	1.0	*	н	И	"		11	
1,3,5-Trimethylbenzene	ND	1.0	#	п	p p	#	n	71	
1,2,4-Trimethylbenzene	ND	1.0	π	п	н	ie	II-	11	
Vinyl chloride	ND	0.50	"	и	н	**	1+	n .	
Benzene	ND	0.50	"	R	и	#	1+	н	
Toluene	ND	0.50	n	H	n	Ħ	l7	и .	
Ethylbenzene	ND	0.50	n	н	н	n	D.	н	
m,p-Xylene	ND	1.0	н	14	D	"	D	"	
o-Xylene	ND	0.50	n	#	10	"	D.	n .	
C6-C12 (GRO)	ND	50	)ı	**	"	н	U	п	
Surrogate: Toluene-d8		106 %	993	3-117	"	"	"	"	
Surrogate: 4-Bromofluorobenze	ma.	106 %		5-119	"	. "	,,	"	
Surrogate: Dibromofluorometho		106 %		1-119 1-136	,,	"	,,	"	
5									
GA-3-6.0 (T601549-05) Soil	Sampled: 11/10/06 11:30   1	Received: 1	1/13/06	08:39					
Bromobenzene	ND	2.0	ug/kg	1	6111501	11/15/06	11/15/06	EPA 8260B	
Bromochloromethane	ND	2.0	1+	n	н -	H	+1	"	
Bromodichloromethane	ND	2.0	**	*	II	14	н	11	
Bromoform	ND	2.0	17	n	n	"	н	**	
Bromomethane	ND	2.0	11	H.	b	H	н	n.	
n-Butylbenzene	ND	2.0	p	lt.	)r	н	н	U	
sec-Butylbenzene	ND	2.0	U	)#	11	"	n	II .	
tert-Butylbenzene	ND	2.0		12	11	II	и	II-	
Carbon tetrachloride	ND	2.0	O	)*	Ir	II	H	II-	
Chlorobenzene	ND	2.0		p.	Ir	H	æ	lt .	
Chloroethane	ND	2.0	н	17	"	H	*	15	
Chloroform		2.0	U	ľ	19	0	*	16	
	ND	2.0							
Chloromethane	ND ND	2.0	U	19	IT	U	ч	I†	
			11 +1	н	17 19	н	er Tr	11	
Chloromethane	ND	2.0					च 11 17	n n	
Chloromethane 2-Chlorotoluene	ND ND	2.0 2.0	#1	В	19	н	च च ।।	11 13 13	
Chloromethane 2-Chlorotoluene 4-Chlorotoluene	ND ND ND	2.0 2.0 2.0	#1	B	D 11	H	च च । ।।	n n n n	
Chloromethane 2-Chlorotoluene 4-Chlorotoluene Dibromochloromethane	ND ND ND ND	2.0 2.0 2.0 2.0	#1 91 91	B D	D D	H H	च च म म	н О П П	

SunStar Laboratories, Inc.

Project: 81st Ave
Project Number: [none]
Project Manager: Jim Gribi

Reported: 11/17/06 14:26

# Volatile Organic Compounds by EPA Method 8260B SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
GA-3-6.0 (T601549-05) Soil	Sampled: 11/10/06 11:30	Received: 1	1/13/06						
1,2-Dichlorobenzene	ND	2.0	ug/kg	1	6111501	11/15/06	11/15/06	EPA 8260B	
1,3-Dichlorobenzene	ND	2.0	*	"	н	*	11*	"	
1,4-Dichlorobenzene	ND	2.0	"	**	"	9	μ	n	
Dichlorodifluoromethane	ND	2.0	11	ш	н	29	II'	н	
1,1-Dichloroethane	ND	2.0	n	#	н	*	IF	н	
1,2-Dichloroethane	ND	2.0	Я	**	н	n	II*	н	
1,1-Dichloroethene	ND	2.0	"	*	n	n		n	
cis-1,2-Dichloroethene	ND	2.0	lr .	#	"	**	1+	n .	
trans-1,2-Dichloroethene	ND	2.0	μ	1†	И	н	I+	н	
1,2-Dichloropropane	ND	2.0	μ	*	ıı	н	10	n .	
1,3-Dichloropropane	ND	2.0	μ	Ħ	и	"	I <del>I</del>	n .	
2,2-Dichloropropane	ND	2.0	10	n	u	lı .	D	n	
1,1-Dichloropropene	ND	2.0	19	n	и	II .	D	*	
cis-1,3-Dichloropropene	ND	2.0	11	н	If .	"	19	H	
trans-1,3-Dichloropropene	ND	2.0	IT.	n	ц	h	D	tt.	
Hexachlorobutadiene	ND	2.0	17	n	и	h	D	*	
Isopropylbenzene	ND	2.0	17	n	п	ı,	n	n	
p-Isopropyltoluene	ND	2.0	17	n	11	. 11	U	<b>मं</b>	
Methylene chloride	ND	2.0	I+	н	#	It	n.	n	
Naphthalene	ND	2.0	11	n	Ħ	h	II	n	
n-Propylbenzene	ND	2.0	0	h	*	11	o	н	
Styrene	ND	2.0	"	**	**		n	n	
1,1,2,2-Tetrachloroethane	ND	2.0	19	n	#	p	ш	D	
1,1,1,2-Tetrachloroethane	ND	2.0	0	"	n	R	u	n	
Tetrachloroethene	ND	2.0	U	n	n	,,	0	n	
1,2,3-Trichlorobenzene	ND	2.0	.,	"	7	,,	n	n	
1,2,4-Trichlorobenzene	ND	2.0	.,	"	,	n	**	н .	
1,1,2-Trichloroethane	ND	2.0		ır	,	,,	a	n	
1,1,1-Trichloroethane	ND ND	2.0	u	h	H	H	ŧI		
Trichloroethene	ND	2.0	U	jr	n	H	ti	11	
Trichlorofluoromethane	ND ND	2.0		D	,,	II.	. 11	и	
1,2,3-Trichloropropane	ND ND	2.0		v	n	17	7)	11	
1,3,5-Trimethylbenzene	ND	2.0	н	ır	"	ıı	н	,,	
1,2,4-Trimethylbenzene	ND ND	2.0	a	lt .	n	н	н	п	
Vinyl chloride	ND ND	2.0		19	,,		" H	P	
Vinyi chioride Benzene	ND ND	2.0			11	n	,,	D	
Toluene	ND ND		**	11	"	н		b.	
Totuene Ethylbenzene	ND ND	2.0	*1		р.	.,		<b>!</b>	
-		2.0	,,	. 11	" b	0	" 11	r It	
m,p-Xylene	ND	4.0	71		"	,, ,,	:- Hr		
o-Xylene	ND	2.0	"	,,	"	,	"	,,	
C6-C12 (GRO)	ND	500							
Surrogate: Toluene-d8		99.6 %	85.5	-116	"	n	ır	"	

SunStar Laboratories, Inc.

1090 Adam Street, Suite K

Benicia CA, 94510

Project: 81st Ave

Project Number: [none]

Project Manager: Jim Gribi

Reported: 11/17/06 14:26

## Volatile Organic Compounds by EPA Method 8260B SunStar Laboratories, Inc.

	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
GA-3-6.0 (T601549-05) Soil	Sampled: 11/10/06 11:30	Received: 3	11/13/06	08:39					
Surrogate: 4-Bromofluorobenze		106 %		2-123	6111501	11/15/06	11/15/06	EPA 8260B	
Surrogate: Dibromofluorometh	ane	111 %	90-	-135	"	rr	"	"	
GA-3-W (T601549-06) Water	Sampled: 11/10/06 11:4	Received	: 11/13/0	6 08:39					
Bromobenzene	ND	1.0	ug/l	1	6111502	11/15/06	11/16/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	п	и	"	+	н	
Bromodichloromethane	ND	1.0	"	п	it.	u	H	11	
Bromoform	ND	1.0	и	п	н	**	"	"	
Bromomethane	ND	1.0	п	IP	17	7	»	ıı	
n-Butylbenzene	ND	1.0	"	11	π	F	"	ut	
sec-Butylbenzene	ND	1.0	II .	*	n	"	ц	e	
tert-Butylbenzene	ND	1.0	н	н	"	"		se .	
Carbon tetrachloride	ND	0.50	*	# #	" "	"	14	1)	
Chlorobenzene	ND	1.0				"	"	#	
Chloroethane	ND	1.0	<b>H</b>	n	ir II	11	n D	"	
Chloroform	ND	1.0	n	II			l*	"	
Chloromethane	ND	1.0	"		17		n	"	
2-Chlorotoluene	ND	1.0	"	)r	); )*		n n	"	
4-Chlorotoluene	ND	1.0	"	It		"	"	"	
Dibromochloromethane	ND	1.0	. "	11	17	"	"		
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	D	,,	"		
1,2-Dibromoethane (EDB)	ND	1.0	"	19	"	"	,,		
Dibromomethane	ND	1.0	,,	.,	 n	., D	" **		
1,2-Dichlorobenzene	ND	1.0	,, H	,, H	"	"	"	,	
1,3-Dichlorobenzene	ND	1.0	)* H	"	"	"	" ,	,	
1,4-Dichlorobenzene	ND	1.0	0	,,		41	"		
Dichlorodifluoromethane	ND	0.50	" D	0			" "	"	
1,1-Dichloroethane	ND	1.0	" D	0	" **	и	" "	"	
1,2-Dichloroethane	ND	0.50	" #	.,	"		"	"	
1,1-Dichloroethene	ND ND	1.0			"	,			
cis-1,2-Dichloroethene trans-1,2-Dichloroethene	ND ND	1.0		11	и	,,		"	
	ND ND	1.0 1.0	n	ti .	,,		*	. "	
1,2-Dichloropropane 1,3-Dichloropropane	ND ND	1.0	" "	" n	и.		,,	 H	
1,3-Dichloropropane 2,2-Dichloropropane	ND ND	1.0	"		л	nt .	н	If	
1,1-Dichloropropene	ND ND	1.0	,	,,	и	e	n	ıı	
cis-1,3-Dichloropropene	ND ND	0.50	,			Ħ	)r	#	
trans-1,3-Dichloropropene	ND ND	0.50		n	, H	r	))r	*	
Hexachlorobutadiene	ND ND	1.0	н	И	n	н	)r	#	
Isopropylbenzene	ND ND	1.0	и	ıt	n	"	P	π	
p-Isopropyltoluene	ND ND	1.0			'n	,,	P	,,	
Methylene chloride	ND ND	1.0		н	н	"	n	,	

SunStar Laboratories, Inc.

1090 Adam Street, Suite K

Benicia CA, 94510

Project: 81st Ave

Project Number: [none]
Project Manager: Jim Gribi

Reported: 11/17/06 14:26

## Volatile Organic Compounds by EPA Method 8260B SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GA-3-W (T601549-06) Water	Sampled: 11/10/06 11:40	Received	: 11/13/0	6 08:39					
Naphthalene	ND	1.0	ug/l	1	6111502	11/15/06	11/16/06	EPA 8260B	
n-Propylbenzene	ND	1.0	U	н	n n	и	II.	IT	
Styrene	ND	1.0	D	0	*1	ii .	н	II .	
1,1,2,2-Tetrachloroethane	ND	1.0	tt	#1	11	н	**	II .	
1,1,1,2-Tetrachloroethane	ND	1.0	9	*1	11	H	*1	II	
Tetrachloroethene	ND	1.0	*1	*1	11	+1	н	II	
1,2,3-Trichlorobenzene	ND	1.0	n	71	11	11	H	U	
1,2,4-Trichlorobenzene	ND	1.0	11	"	н	*1	•	n .	
1,1,2-Trichloroethane	ND	1.0	**	и	н	и	**	11	
1,1,1-Trichloroethane	ND	1.0	н	11	н	н	Ħ	n	
Trichloroethene	ND	1.0	11	и	и	п	п	11	
Trichlorofluoromethane	ND	1.0	и	п	u	п	н	н	
1,2,3-Trichloropropane	ND	1.0	и	п	п	и	и	. н	
1,3,5-Trimethylbenzene	ND	1.0	И	II	ır	И	п	И	
1,2,4-Trimethylbenzene	ND	1.0	II	н	n	И	и	н	
Vinyl chloride	ND	0.50	п	II	π	n	Ħ	И	
Benzene	ND	0.50	H	16	77	u	и	н	
Toluene	ND	0.50	и	Ħ	H	tt .	и	н	
Ethylbenzene	ND	0.50	я	**	n	#	н	н	
m,p-Xylene	ND	1.0	я	ম	n	п	H	II	
o-Xylene	ND	0.50	87	π	"	*	u	#	
C6-C12 (GRO)	ND	50	17	"	))	*	*		
Surrogate: Toluene-d8		104 %	88.8	3-117	*	#	и	**	
Surrogate: 4-Bromofluorobenzen	e	110%	83.5	-119	**	"	"	"	
Surrogate: Dibromofluoromethan	ne	106 %	81.1	-136	"	H	"	"	

SunStar Laboratories, Inc.

Gribi Associates

1090 Adam Street, Suite K

Benicia CA, 94510

Project: 81st Ave

Project Number: [none]

Project Manager: Jim Gribi

Reported: 11/17/06 14:26

#### Volatile Organic Compounds by EPA Method 8260B SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
GA-4-6.0 (T601549-07) Soil	Sampled: 11/10/06 10:45	Received:	1/13/06	08:39					
Bromobenzene	ND	2.0	ug/kg	1	6111501	11/15/06	11/15/06	EPA 8260B	
Bromochloromethane	ND	2.0	#	h	n	IF	ır	"	
Bromodichloromethane	ND	2.0	#	*	n	"	II*	"	
Bromoform	ND	2.0	*	n	n	U	11*	"	
Bromomethane	ND	2.0	r	H	n	IF	10	n n	
n-Butylbenzene	ND	2.0	H	n	n	lí	14	п	
sec-Butylbenzene	ND	2.0	Ħ	н	H	II	It	n .	
tert-Butylbenzene	ND	2.0	*	"	н	11	10	n	
Carbon tetrachloride	ND	2.0	*	)ı	н	Ir	1+	"	
Chlorobenzene	ND	2.0	"	þt	1f	и	I+	н	
Chloroethane	ND	2.0	n	H	11	þ	D	я	
Chloroform	ND	2.0	p	If	II	17	D	t#	
Chloromethane	ND	2.0	"	"	)r	19	D	*	
2-Chlorotoluene	ND	2.0	"	It	н	"	D	#	
4-Chlorotoluene	ND	2.0	n.	IT	17	u,	D	**	
Dibromochloromethane	ND	2.0	H	It	17	e ,	0	Ħ	
1,2-Dibromo-3-chloropropane	ND	2.0	n		17	17	U	p	
1,2-Dibromoethane (EDB)	ND	2.0	10	17	17	U	D.	n	
Dibromomethane	ND	2.0	н	14	D	R	ш	"	
1,2-Dichlorobenzene	ND	2.0	ìr	19	D	0	ш	n	
1,3-Dichlorobenzene	ND	2.0	It	11	n	n	н	H	
1,4-Dichlorobenzene	ND	2.0	I+	11	n	n	п	11	
Dichlorodifluoromethane	ND	2.0	n	н	U	n	e	II .	
1,1-Dichloroethane	ND	2.0	n	U	0	0	**	1f	
1,2-Dichloroethane	ND	2.0	17	11	U	U	n	11-	
1,1-Dichloroethene	ND	2.0	17	U	U	U	ei	16	
cis-1,2-Dichloroethene	ND	2.0	D	U	n	H	71	le .	
trans-1,2-Dichloroethene	ND	2.0	II.	11	U	U	*1	"	
1,2-Dichloropropane	ND	2.0	U	U	U	U	11	н	
1,3-Dichloropropane	ND	2.0	u	н	u	n	н	"	
2,2-Dichloropropane	ND	2.0	п	н	Ħ	11	п	r	
1,1-Dichloropropene	ND	2.0	н	**	21	н	п	)*	
cis-1,3-Dichloropropene	ND	2.0	o	*1	n	11	п	IT.	
trans-1,3-Dichloropropene	ND	2.0	n	*1	H	н	п	II .	
Hexachlorobutadiene	ND	2.0	н	н	н	"	н	n	
Isopropylbenzene	ND	2.0	a	н	н	"	п	II.	
p-Isopropyltoluene	ND	2.0	•	11	н	"	11	D	
Methylene chloride	ND	2.0		71	и	11	*	n	
Naphthalene	ND	2.0	**	н	11	ч	11	II.	
n-Propylbenzene	ND	2.0	11	п	и	и	*	0	
Styrene	ND	2.0	,,	n	н	п	*	n	
1,1,2,2-Tetrachloroethane	ND ND	2.0	71	,,	"	и		a a	

SunStar Laboratories, Inc.

Project: 81st Ave Project Number: [none] Project Manager: Jim Gribi

Reported: 11/17/06 14:26

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#### Volatile Organic Compounds by EPA Method 8260B SunStar Laboratories, Inc.

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
GA-4-6.0 (T601549-07) Soil	Sampled: 11/10/06 10:45	Received: 1	1/13/06	08:39					
1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	1	6111501	11/15/06	11/15/06	EPA 8260B	
Tetrachloroethene	ND	2.0	11	"	#	н	"	"	
1,2,3-Trichlorobenzene	ND	2.0	н	"	Ω	ı	"	n	
1,2,4-Trichlorobenzene	ND	2.0	н	н	50	11	н	n	
1,1,2-Trichloroethane	ND	2.0	ıt	*	71	9	n	н	
1,1,1-Trichloroethane	ND	2.0	u	#	#	#	п	н	
Trichloroethene	ND	2.0	II .	*	#	19	II*	II	
Trichlorofluoromethane	ND	2.0	10	*	*	**		IF	
1,2,3-Trichloropropane	ND	2.0	*	+	n	**		II .	
1,3,5-Trimethylbenzene	ND	2.0	н	#	n	<b>"</b> .	l#	п	
1,2,4-Trimethylbenzene	ND	2.0	<b>37</b>	<b>#</b> ·	H	H	10	п	
Vinyl chloride	ND	2.0	Ħ	#	h	*	14	н	
Benzene	ND	2.0	#	n	11	#	19	и	
Toluene	ND	2.0	77	7	n	n	H	"	
Ethylbenzene	ND	2.0	п	"	h	n	1+	12	
m,p-Xylene	ND	4.0	17	,	þį	n	B	Ħ	
o-Xylene	ND	2.0	n	n	"	"	17	#	
C6-C12 (GRO)	ND	500	+	n	H	"	"	17	
Surrogate: Toluene-d8		106 %	85.5	-116	"	"	#	"	
Surrogate: 4-Bromofluorobenze	ene	107 %		2-123	n	n	"	u	
Surrogate: Dibromofluorometh		107 %		135	"	rr .	"	"	
GA-4-11.5 (T601549-08) Soil		Received:	: 11/13/06	5 08:39					
Bromobenzene	ND	2.0	ug/kg	1	6111501	11/15/06	11/15/06	EPA 8260B	
Bromochloromethane	ND	2.0	"	и		"	U	n	
Bromodichloromethane	ND	2.0	,,	II	п	"	u u	n	
Bromoform	ND	2.0	н	ıı	D	и		"	
Bromomethane	ND	2.0	n	и	If	и		"	
n-Butylbenzene	ND	2.0	п	It	IP	II.	U	n	
sec-Butylbenzene	ND	2.0	н	10	b	16	n	11	
tert-Butylbenzene	ND	2.0		þi	IF.	le .		n	
Carbon tetrachloride	ND	2.0			D	D	ıı .	п	
Chlorobenzene	ND	2.0	"	"	D	ii .	н	u	
Chloroethane	ND	2.0	16	15	ti.	10	n	It	
Chloroform	ND ND	2.0	)r	11	n	1,0	fi	if	
Chloromethane	ND	2.0	ır	17	U	ır	•	II.	
2-Chlorotoluene	ND ND	2.0	n	19	v	lt.	п	#	
4-Chlorotoluene	ND ND	2.0	,,	11	μ	j <b>r</b>	a	W.	
Dibromochloromethane	ND ND	2.0	p	ır		pr.	n	10	
		2.0	jt.		17	j9	41	It:	
1,2-Dibromo-3-chloropropane	ND ND	2.0	D	 If	D.	17	"	19	
1,2-Dibromoethane (EDB)				 U	U	1+	n	n n	
Dibromomethane	ND	2.0	-			-	-		

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MADO

Gribi Associates 1090 Adam Street, Suite K

Benicia CA, 94510

Project: 81st Ave Project Number: [none]

Project Manager: Jim Gribi 11/17/06 14:26

Reported:

#### Volatile Organic Compounds by EPA Method 8260B SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note:
GA-4-11.5 (T601549-08) Soil	Sampled: 11/10/06 10:50	Received:	11/13/06	5 08:39		•			
1,2-Dichlorobenzene	ND	2.0	ug/kg	1	6111501	11/15/06	11/15/06	EPA 8260B	
1,3-Dichlorobenzene	ND	2.0	D	D	**	*1	†1	"	
1,4-Dichlorobenzene	ND	2.0	Jt	H	н	н	n	U	
Dichlorodifluoromethane	ND	2.0	D	H	Ħ	11	н	II.	
1,1-Dichloroethane	ND	2.0	D	19	+1	н	н	U	
1,2-Dichloroethane	ND	2.0	O	н	11	н	n	. "	
1,1-Dichloroethene	ND	2.0	U	U	"	п	11	II .	
cis-1,2-Dichloroethene	ND	2.0	U	U	n	и		a	
trans-1,2-Dichloroethene	ND	2.0	U		н	н	ц	a	
1,2-Dichloropropane	ND	2.0	ti	0	И	н	и	41	
1,3-Dichloropropane	ND	2.0	υ	U	н	ĸ	н	*1	
2,2-Dichloropropane	ND	2.0	77	e	н	*		*1	
1,1-Dichloropropene	ND	2.0	*1	н	н	rt	ч	71	
cis-1,3-Dichloropropene	ND	2.0	H	*1	и	n	ri	11	
trans-1,3-Dichloropropene	ND	2.0	н	н	п	16	п	н	
Hexachlorobutadiene	ND	2.0	Ħ	*1	п	π	TN	"	
Isopropylbenzene	ND	2.0	**	н	II .	n	π	"	
p-Isopropyltoluene	ND	2.0	11	11	u	*	17	и	
Methylene chloride	ND	2.0	n	**	и	**	#	н	
Naphthalene	ND	2.0	н	71		n	H	п	
n-Propylbenzene	ND	2.0	н	"	n	,	*	н	
Styrene	ND	2.0	н	"	Ħ	*	*	н	
1,1,2,2-Tetrachloroethane	ND	2.0	н	н	π	н	н	и	
1,1,1,2-Tetrachloroethane	ND	2.0	н	н	"	,,	n	R	
Tetrachloroethene	ND	2.0	n	п	n	,,	P	n	
1,2,3-Trichlorobenzene	ND	2.0	п		,,	,,	,,	11	
1,2,4-Trichlorobenzene	ND	2.0	и	u	,,	п	11	म	
1,1,2-Trichloroethane	ND	2.0	u	u	"	II		,,	
1,1,1-Trichloroethane	ND ND	2.0	u	н	11	П	n	n	
Trichloroethene	ND	2.0	IF	ıı	11	ıı	įr.	77	
Trichlorofluoromethane	ND	2.0	,,		н	Ir	R	"	
1,2,3-Trichloropropane	ND	2.0	и	**	п	II.		,	
1,3,5-Trimethylbenzene	ND	2.0	я	4	11	19	10	"	
1,2,4-Trimethylbenzene	ND ND	2.0	н	#	μ	j÷	16	n	
Vinyl chloride	ND ND	2.0	**	*	"	,,	H	11	
Benzene	ND ND	2.0	n	**	,,	D	10		
Toluene	ND ND	2.0	77	n	,,	o	D	p	
Ethylbenzene	ND ND	2.0	n	,	lz.	Ú	D	je	
m,p-Xylene	ND ND	4.0	п	,,	'n	O	U	)÷	
., -	ND ND		,,	,,		"	,,	19	
o-Xylene	ND ND	2.0	,,	,	,,	" U	0		
C6-C12 (GRO)	ND	500							
Surrogate: Toluene-d8		106 %	85.5	5-116	"	n	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Maria Bonifacio, Project Coordinator

Project: 81st Ave

Project Number: [none]
Project Manager: Jim Gribi

Reported: 11/17/06 14:26

#### Volatile Organic Compounds by EPA Method 8260B SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
GA-4-11.5 (T601549-08) Soil	Sampled: 11/10/06 10:50	Received:	11/13/06	08:39					
Surrogate: 4-Bromofluorobenz		110 %		-123	6111501	11/15/06	11/15/06	EPA 8260B	
Surrogate: Dibromofluorometh	ane	106 %	90-	135	n		n	"	
GA-8-7.0 (T601549-15) Soil	Sampled: 11/10/06 10:00	Received: 1	1/13/06 (	08:39					
Bromobenzene	ND	2.0	ug/kg	l	6111501	11/15/06	11/15/06	EPA 8260B	
Bromochloromethane	ND	2.0	ti .	n	U	11	"	U	
Bromodichloromethane	ND	2.0	•	. 0	. 11		"		
Bromoform	ND	2.0	n ·	n	н	"	"	II.	
Bromomethane	ND	2.0	н	n	"	**	ч	U	
n-Butylbenzene	ND	2.0	н	ii	ii .	31	*	II .	
sec-Butylbenzene	ND	2.0	O	i)	н	н	H	U	
tert-Butylbenzene	ND	2.0	11	n n	H	н	**	н	
Carbon tetrachloride	ND	2.0	**	U	#1	н	+1	u .	
Chlorobenzene	ND	2.0	11	0	11	н	**	11	
Chloroethane	ND	2.0	11	IJ	11	н	**	σ	
Chloroform	ND	2.0	11	11	71	и	H	Ħ	
Chloromethane	ND	2.0	н	11	n		n	11	
2-Chlorotoluene	ND	2.0	11	*1	*1	"	"	**	
4-Chlorotoluene	ND	2.0	н	11	н		"		
Dibromochloromethane	ND ND	2.0	н	н	н	н	"	n	
1,2-Dibromo-3-chloropropane	ND ND	2.0	н	*1	и	и	19	н	
1,2-Dibromoethane (EDB)	ND ND	2.0	,1	*1			,,	"	
Dibromomethane	ND ND		)1	*1	н		,	,	
		2.0	); )(	 H					
1,2-Dichlorobenzene	ND	2.0	и	n 11	" "				
1,3-Dichlorobenzene	ND	2.0			"	*		,	
1,4-Dichlorobenzene	ND	2.0	п	11				"	
Dichlorodifluoromethane	ND	2.0	п	н	"	"	н	и	
1,1-Dichloroethane	ND	2.0	n	и	н	#	)1	II .	
1,2-Dichloroethane	ND	2.0	н	"	И	17	11	и	
1,1-Dichloroethene	ND	2.0	It	n	j#	*	)ŧ	н	
cis-1,2-Dichloroethene	ND	2.0	п	и	4	Ħ	"	4	
trans-1,2-Dichloroethene	ND	2.0	п	"	п	*	"	*	
1,2-Dichloropropane	ND	2.0	D		IP .	"			
1,3-Dichloropropane	ND	2.0	*	"	#	"	II.	17	
2,2-Dichloropropane	ND	2.0	W	II	n	"	p	n	
1,1-Dichloropropene	ND	2.0	#	II II	Я	"	ij	11	
cis-1,3-Dichloropropene	ND	2.0	*	#	,,	н	ıı	77	
trans-1,3-Dichloropropene	ND	2.0	*		*		H	"	
Hexachlorobutadiene	ND	2.0	*	**	n	n	D	n	
Isopropylbenzene	ND	2.0	n	19	n	n	ij	n	
p-Isopropyltoluene	ND ND	2.0	п	n	n	*	U	b	
Methylene chloride	ND ND	2.0		_	17			n	

SunStar Laboratories, Inc.

Project: 81st Ave
Project Number: [none]

Project Number: [none]
Project Manager: Jim Gribi

Reported: 11/17/06 14:26

#### Volatile Organic Compounds by EPA Method 8260B SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GA-8-7.0 (T601549-15) Soil	Sampled: 11/10/06 10:00	Received: 1	1/13/06	08:39					
Naphthalene	ND	2.0	ug/kg	1	6111501	11/15/06	11/15/06	EPA 8260B	
n-Propylbenzene	ND	2.0	U	If	"	u,	n	H	
Styrene	ND	2.0	D	D	"	II.	*1	"	
1,1,2,2-Tetrachloroethane	ND	2.0	O	1+	n	"	**	n	
1,1,1,2-Tetrachloroethane	ND	2.0	n	0.1	II	H	п	Ir	
Tetrachloroethene	ND	2.0	0	H	н	H	п	н	
1,2,3-Trichlorobenzene	ND	2.0	Ħ	17	n	P .	н	n	
1,2,4-Trichlorobenzene	ND	2.0	**	n	11	U	п	r	
1,1,2-Trichloroethane	ND .	2.0	11	0	1F	U	п	P .	
1,1,1-Trichloroethane	ND	2.0	11	n	16	II .	п	jr	
Trichloroethene	ND	2.0	н	D	jr.	II	ır	n	
Trichlorofluoromethane	ND	2.0	H	O	15	H	ч	n	
1,2,3-Trichloropropane	ND	2.0	"	0	19	61	**	D	
1,3,5-Trimethylbenzene	ND	2.0	и	II .	17	0 .	**	D	
1,2,4-Trimethylbenzene	ND	2.0	н	11	ır	e	#	U	
Vinyl chloride	ND	2.0	п	71	17	51	Ħ	D	
Benzene	ND	2.0	II	21	11	n	#	O	
Toluene	ND	2.0	a	н	17	н	rt	O	
Ethylbenzene	ND	2.0	н	н	D	n	"	. "	
m,p-Xylene	ND	4.0	n	н	II.	н	"	п	
o-Xylene	ND	2.0	Ħ	н	U	и	n	я	
C6-C12 (GRO)	ND	500	#	н	U	и	n	11	
Surrogate: Toluene-d8		105 %	85.5	-116	11	"	"	"	
Surrogate: 4-Bromofluorobenz	zene	109 %	81.2	-123	u	#	"	"	
Surrogate: Dibromofluoromet)		106 %		135	n	"	"	rr	

SunStar Laboratories, Inc.

Project: 81st Ave
Project Number: [none]

Project Number: [none]
Project Manager: Jim Gribi

Reported: 11/17/06 14:26

#### Volatile Organic Compounds by EPA Method 8260B SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GA-8-W (T601549-16) Water	Sampled: 11/10/06 10:00	Received:	11/13/06	08:39					
Bromobenzene	ND	1.0	ug/l	1	6111502	11/15/06	11/16/06	EPA 8260B	
Bromochloromethane	ND	1.0	1+	и	II	н	1+	и	
Bromodichloromethane	ND	1.0	I÷	п	11-	U	IT.	b	
Bromoform	ND	1.0	11	10	IF	11	14	п	
Bromomethane	ND	1.0	19	14	16	IF	H	н	
n-Butylbenzene	ND	1.0	A	lt .	10	lí	II.	Þ	
sec-Butylbenzene	ND	1.0	11	11.	16	D	U	н	
tert-Butylbenzene	ND	1.0	"	,,	11	D	D		
Carbon tetrachloride	ND	0.50	D	**	16	b	U	"	
Chlorobenzene	ND	1.0	o o	1+	в	ь	n n	n	
Chloroethane	ND	1.0	n	I+	D	p	n n	12	
Chloroform	ND	1.0	n	"	n	*	n	12	
Chloromethane	ND	1.0	U	n	19	н	n	19	
2-Chlorotoluene	ND	1.0	н	17	n	o	ti	P	
4-Chlorotoluene	ND	1.0	11	v	U	D	e	6	
Dibromochloromethane	ND	1.0	31	17	D	0	σ	н	
1,2-Dibromo-3-chloropropane	ND	1.0	*1	U	D	n.	u	D	
1,2-Dibromoethane (EDB)	ND	1.0	н	a	п	II .	*1		
Dibromomethane	ND	1.0	**	n	n	II .	*1	U	
1,2-Dichlorobenzene	ND	1.0	11	IJ	n	В	Ħ	u.	
1,3-Dichlorobenzene	ND	1.0	11	. 0	U	n	41	п	
1,4-Dichlorobenzene	ND	1.0	n	n	ø	O	*1	II .	
Dichlorodifluoromethane	ND	0.50	11	n	*1	n	*1	n .	
1,1-Dichloroethane	ND	1.0	н	11	*1	D	н	н	
1,2-Dichloroethane	ND	0.50	н	11	D	ti	н	ri .	
1,1-Dichloroethene	ND	1.0	п	11	Ð	u	н	41	
cis-1,2-Dichloroethene	ND	1.0	"	11	11	,	н	11	
trans-1,2-Dichloroethene	ND ND	1.0	n	"	71	44	н	+1	
1,2-Dichloropropane	ND	1.0	н	n	ti		н	**	
1,3-Dichloropropane	ND	1.0	п	n	11	11	ıt	н	
2,2-Dichloropropane	ND	1.0	н	н	n	н	н	,,	
1,1-Dichloropropene	ND	1.0	a	н	11	**	R	"	
cis-1,3-Dichloropropene	ND ND	0.50	11	п	н	71	R	"	
trans-1,3-Dichloropropene	ND ND	0.50	ú	н	п	н	ч	"	
Hexachlorobutadiene	ND ND	1.0	н	н	н	н	н	,	
Isopropylbenzene	ND ND	1.0	#	н	п	п	"	,	
p-Isopropyltoluene	ND ND	1.0	nt	"	"	н	+	μ	
Methylene chloride	ND ND	1.0	Tr		"	н	*	н	
Naphthalene	ND ND	1.0	14	 H	 H		n		
n-Propylbenzene	ND ND	1.0 1.0	" ग	#	" н	Hr.	n	н	
, -			"	*	я	"	**	*	
Styrene 1.1.2.2-Tetrachloroethane	ND ND	1.0	,,	11	n n	н	 h	*	
1,1,2,2-Tetrachioroethane	ND	1.0	"			-	-		

SunStar Laboratories, Inc.

Gribi Associates

1090 Adam Street, Suite K Benicia CA, 94510 Project: 81st Ave

Project Number: [none]
Project Manager: Jim Gribi

Reported: 11/17/06 14:26

#### Volatile Organic Compounds by EPA Method 8260B SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GA-8-W (T601549-16) Water	Sampled: 11/10/06 10:00	Received	11/13/0	6 08:39					
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	6111502	11/15/06	11/16/06	EPA 8260B	
Tetrachloroethene	ND	1.0	11	*	"	"	II.	н	
1,2,3-Trichlorobenzene	ND	1.0	H	*	н	"	11	н	
1,2,4-Trichlorobenzene	ND	1.0	n	Ħ	)J	n	19	. н	
1,1,2-Trichloroethane	ND	1.0	le .	Ħ	н	II .	If	n	
1,1,1-Trichloroethane	ND	1.0	h	#	и	"	II.	n	
Trichloroethene	ND	1.0	11	*	и	n	10	*1	
Trichlorofluoromethane	ND	1.0	n	*	11	H	10	11	
1,2,3-Trichloropropane	ND	1.0	n	n	и	n	H	*1	
1,3,5-Trimethylbenzene	ND	1.0	h	#	и	n	H	21	
1,2,4-Trimethylbenzene	ND	1.0	n .	Ħ	н	n	10	11	
Vinyl chloride	ND	0.50	"	#	н	"	I+	11	
Benzene	ND	0.50	)r	#	н	H	14	+1	
Toluene	ND	0.50	*	77	н	Dr.	н	11	
Ethylbenzene	ND	0.50	"	×	н	þ	D	11	
m,p-Xylene	ND	1.0	11	14	н	"	tr	11	
o-Xylene	ND	0.50	18	**	"	"	U	11	
C6-C12 (GRO)	ND	50	н	*	п	11	H	71	
Surrogate: Toluene-d8		102 %	88.8	3-117	rr	"	n	"	
Surrogate: 4-Bromofluorobenze.	ne	110 %	83.5	5-119	rr .	"	"	**	
Surrogate: Dibromofluorometha	ine	107 %	81.1	-136	rr .	"	"	"	

SunStar Laboratories, Inc.

Project: 81st Ave
Project Number: [none]
Project Manager: Jim Gribi

Reported: 11/17/06 14:26

# Extractable Petroleum Hydrocarbons by 8015 - Quality Control SunStar Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6111404 - EPA 3550B GC										_
Blank (6111404-BLK1)				Prepared:	11/14/06	Analyzed	1: 11/15/06			
C13-C28 (DRO)	ND	10	mg/kg							
C29-C40 (MORO)	ND	10	н							
Surrogate: Chrysene	121		"	100		121	65-135			
LCS (6111404-BS1)				Prepared:	11/14/06	Analyzed	1: 11/16/06			
C13-C28 (DRO)	560	10	mg/kg	500		112	75-125			
Surrogate: Chrysene	86.7		"	100		86.7	65-135	•		
Matrix Spike (6111404-MS1)	Sour	rce: T60154	<b>19-01</b>	Prepared:	11/14/06	Analyzed	l: 11/16/06			
C13-C28 (DRO)	600	10	mg/kg	500	ND	120	75-125			
Surrogate: Chrysene	111		"	100		111	65-135			
Matrix Spike Dup (6111404-MSD1)	Sour	ce: T60154	49-01	Prepared:	11/14/06	Analyzed	: 11/16/06	-		
C13-C28 (DRO)	550	10	mg/kg	500	ND	110	75-125	8.70	20	
Surrogate: Chrysene	94.3		"	100		94.3	65-135			
Batch 6111408 - EPA 3510C GC										
Blank (6111408-BLK1)				Prepared:	11/14/06	Analyzed	l: 11/15/06			
C13-C28 (DRO)	ND	0.10	mg/l						•	
C29-C40 (MORO)	ND	0.10	†I							
Surrogate: Chrysene	7.81		11	8.00		97.6	65-135			
LCS (6111408-BS1)				Prepared:	11/14/06	Analyzed	l: 11/15/06			
C13-C28 (DRO)	46.5	0.10	mg/l	40.0		116	75-125			
Surrogate: Chrysene	5.10	-	"	4.00		128	65-135			

SunStar Laboratories, Inc.

SHEET 1 OF 1

BORING NUMBER: GA-1

BORING LOCATION: 81st AVE OAKLAND, CALIFORNIA

**GRIBI ASSOCIATES** 

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: DIRECT PUSH

BOREHOLE DIAMETER: 2 1/2 INCHES

COMPLETION METHOD: ASPHALT

BORING TOTAL DEPTH: 16.0 FEET

GROUNDWATER DEPTH: 15.5 ft (INITIAL 6.9 ft (FINAL)

BORING TYPE: Soil Boring

PROJECT NAME: Weinstein 81st Ave.

PROJECT NUMBER:

START DATE: 11/10/2006

COMPLETION DATE: 11/10/2006

DEPTH SCALE (FEET) PIEZOMETER WELL INSTALLATION PID READING NTERVAL BLOW COUNTS uscs **LOG OF MATERIAL** SAMPLE NO. SAMPLE DEPTH ¥ - INITIAL 🛂 - FINAL 0.0 - 2.0 ft. Asphalt + base. 2.0 - 5.0 ft. Clay (CL) **‡ IIII ≡ III**I Dark-gray, dense, moist, no odors or staining. 5.0 - 14.5 ft. Clay (CL) GA-1-7.0 7.0 FT Grey-brown, firm, dense, moist, no odors or staining. 10 量排量 ∄∭≣∥ ∐ CL! Sc 14.5 - 16.0 ft. Sand (SC) Gray-brown, soft, moist, fine to medium grain, loose, some clay ¥ 14.5 to 15.5, clean fine sand 15.5 to 16.0. TOTAL BORING DEPTH: 16.0 FEET GROUNDWATER DEPTH, INITIAL: 15.5 FEET GROUNDWATER DEPTH, FINAL: 6.9 FEET GRAB GROUNDWATER SAMPLE GA-1-W COLLECTED 20: 30

SHEET 1 OF 1

BORING LOCATION: 81st AVE OAKLAND, CALIFORNIA

BORING TYPE: Soil Boring

PROJECT NAME: Weinstein 81st Ave.

BORING NUMBER: GA-2

**GRIBI ASSOCIATES** 

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: DIRECT PUSH BOREHOLE DIAMETER: 2 1/2 INCHES

COMPLETION METHOD: ASPHALT

BORING TOTAL DEPTH: 20.0 FEET

START DATE: 11/10/2006

GROUNDWATER DEPTH: 18.5 ft (INITIAL 6.9 ft (FINAL)

PROJECT NUMBER:

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING BLOW COUNTS  - INITIAL - FINAL	USCS	LOG OF MATERIAL	PIEZOMETER! WELL INSTALLATION
						0.0 - 2.0 ft. Asphalt + base rock.	
_					######################################	2.0 - 5.0 ft. Clay (CL)  Dark-grey, moist, firm, dense, no odors or staining.	
	GA-2-5.0	5 FEET		¥		5.0 - 7.5 ft. Clay (CL) Olive grey, moist, firm, dense, no odors or staining.	
10 -						7.5 18.0 ft. <b>Clay (CL)</b> Light brown, slightly silty, moist, no odors or staining.	
_				<del>∑</del>			
20-				÷.	Sc	18.0 - 20.0 ft. Gravelly Clayey Sand (SC) Light brown, clayey sand, firm-loose, wet, no odors or staining.	
20 -						TOTAL BORING DEPTH: 20.0 FEET GROUNDWATER DEPTH, INITIAL: 18.5 FEET GROUNDWATER DEPTH, FINAL: 6.9 FEET GRAB GROUNDWATER SAMPLE GA-2-W COLLECTED	
.—							
_							
_		·					
30 —		,					

SHEET 1 OF 1

BORING NUMBER: GA-3

BORING LOCATION: 81st AVE OAKLAND, CALIFORNIA

**GRIBI ASSOCIATES** 

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: DIRECT PUSH

BOREHOLE DIAMETER: 2 1/2 INCHES

COMPLETION METHOD: ASPHALT

BORING TOTAL DEPTH: 12.0 FEET

GROUNDWATER DEPTH: 10.0 ft (INITIAL

6.9 ft (FINAL) 1

BORING	TYPE:	Soil Boring
--------	-------	-------------

PROJECT NAME: Weinstein 81st Ave.

PROJECT NUMBER:

START DATE: 11/10/2006

						0.5 11	(FINAL)
DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING BLOW COUNTS  - INITIAL - FINAL	USCS	LOG OF MATERIAL	PIEZOMETER! WELL INSTALLATION
10 — 20 — — — — — — — — — — — — — — — — —	GA-3-6.0	SAMPLE DEPTH	INTE			2.0 - 6.0 ft. Clay (CL) Dark-gray, firm, dense, no odors or staining.  6.0 - 9.0 ft. Gravelly Clay (CL) Gray-brown, firm, dense, no odors or staining.  9.0 - 10.5 ft. Gravelly Sand (SC) Light brown, loose gravel: sub-angular clasts to ½ ", slightly dayey, wet at 10.0 ft, no odors or staining.  10.5 - 12.0 ft. Clay (CL) Light brown, firm, dense, moist, no odors or staining.  TOTAL BORING DEPTH: 12.0 FEET GROUNDWATER DEPTH, INITIAL: 10.0 FEET GROUNDWATER DEPTH, FINAL: 6.9 FEET GRAB GROUNDWATER SAMPLE GA-3-W COLLECTED	PIEZOMI WELL INST
30 —							

BORING NUMBER: GA-4

BORING TYPE: Soil Boring

BORING LOCATION: 81st AVE OAKLAND, CALIFORNIA

**GRIBI ASSOCIATES** 

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: DIRECT PUSH

BOREHOLE DIAMETER: 2 1/2 INCHES

COMPLETION METHOD: ASPHALT

BORING TOTAL DEPTH: 18.5 FT

GROUNDWATER DEPTH: NA

PROJECT NAME: Weinstein 81st Ave.

START DATE:

PROJECT NUMBER:

COMPLETION DATE:

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PIO READING BLOW COUNTS  ₩ - INITIAL  V - FINAL	USCS	LOG OF MATERIAL	PIEZOMETER) WELL INSTALLATION
10 -	GA-4-6.0	6 FEET		<b>¥</b>	「加売加売 加売	1.0 - 10.5 ft. Clay (CL) Dark-gray, firm, dense, moist, no odors or staining.  10.5 - 12.0 ft. Sandy Silt (ML) Light-brown, gravelly sandy silt, some clay, moist, firm, no odors or staining.  12.0 - 13.5 ft. Clayey Silt (ML) Grey-brown, soft, moist-wet, slight sandy, no odors or staining.  13.5 - 18.5 ft. Clay (CL) Gray brown, firm, dense, no odors or staining.  TOTAL BORING DEPTH: 18.5 FEET CORING REFUSAL AT 18.5 FEET GROUNDWATER DEPTH, NOT ENCOUNTEREDAFTER 2 HOURS	

BORING NUMBER: GA-5

BORING LOCATION: 81st AVE OAKLAND, CALIFORNIA

**GRIBI ASSOCIATES** 

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: DIRECT PUSH

BOREHOLE DIAMETER: 2 1/2 INCHES

COMPLETION METHOD: ASPHALT

BORING TOTAL DEPTH: 12.0 FT

GROUNDWATER DEPTH: 11.0 ft (INITIAL

7.8 ft (FINAL)

<b>BORING TYI</b>	PE: Soi	Boring
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PROJECT NAME: Weinstein 81st Ave.

START DATE: 11/10/2006 PROJECT NUMBER:

							(LINAL)
DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING BLOW COUNTS  - INITIAL - FINAL	uscs	LOG OF MATERIAL	PIEZOMETER: WELL INSTALLATION
10 -	GA-5-6.0	6 FEET				2.0 - 10.0 ft. Clay (CL) Dark-gray, firm, dense, moist, no odors or staining.  10.0 - 12.0 ft. Gravelly Sand (SC) Light-brown, loose, gravel: sub-angular gravel to ½", no hydrocarbon odors or staining.  TOTAL BORING DEPTH: 12.0 FEET GROUNDWATER DEPTH, INITIAL: 11.0 FEET GROUNDWATER DEPTH, FINAL: 7.8 FEET GRAB GROUNDWATER SAMPLE GA-5-W COLLECTED	

BORING NUMBER: GA-6

BORING LOCATION: 81st AVE OAKLAND, CALIFORNIA

**GRIBI ASSOCIATES** 

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: DIRECT PUSH

BOREHOLE DIAMETER: 2 1/2 INCHES

COMPLETION METHOD: ASPHALT

BORING TOTAL DEPTH: 12.0 ft

GROUNDWATER DEPTH: 11.5 ft (INITIAL 7.3 ft (FINAL)

BORING TYPE: Soil Boring

PROJECT NAME: Weinstein 81st Ave.

PROJECT NUMBER:

START DATE: 11/10/2006

COMPLETION DATE: 11/10/2006

DEPTH SCALE (FEET) PIEZOMETER\ VELL INSTALLATION PID READING INTERVAL BLOW COUNTS USCS LOG OF MATERIAL SAMPLE NO. SAMPLE DEPTH 学 - INITIAL ₹ - FINAL 0.0 - 2.0 ft Asphalt + base rock. - IN == III 三川幸 2.0 - 10.0 ft. Clay (CL) ISC! Dark-gray, firm, dense, moist, slight swampy odor, no hydrocarbon odors or staining. GA-6-7.0 7.0 FEET ¥ ≖ III = 10 10.0 - 12.0 ft. Gravelly Sand (SC) Light-brown, loose, wet at 11.5 ft, pea-sized gravel, clayey from 耄 10 to 11 ft, no unusual odors or staining. TOTAL BORING DEPTH: 12.0 FEET GROUNDWATER DEPTH, INITIAL: 11.5 FEET GROUNDWATER DEPTH, FINAL: 7.3 FEET GRAB GROUNDWATER SAMPLE GA-6-W COLLECTED 20: 30

BORING NUMBER: GA-7

BORING LOCATION: 81st AVE OAKLAND, CALIFORNIA

**GRIBI ASSOCIATES** 

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: DIRECT PUSH

BOREHOLE DIAMETER: 2 1/2 INCHES

COMPLETION METHOD: ASPHALT

BORING TOTAL DEPTH: 12.0 ft

GROUNDWATER DEPTH: 11.0 ft (INITIAL

7.8 ft (FINAL)

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PROJECT NAME: Weinstein 81st Ave.

PROJECT NUMBER:

30

COMPLETION DATE: 11/10/2006

START DATE: 11/10/2006

DEPTH SCALE (FEET) PIEZOMETER\ WELL INSTALLATION PID READING INTERVAL BLOW COUNTS SAMPLE NO. USCS LOG OF MATERIAL SAMPLE DEPTH 🛂 - INITIAL 👺 - FINAL 0.0 - 3.5 ft Asphalt + base rock. **≡** III **=** 3.5 - 9.5 ft. Clay (CL) Dark-gray, firm, dense, moist, slight swampy odor, no hydrocarbon odors or staining. GA-7-6.0 6.0 FEET Ė∭≣∥ 三川 三川 10 9.5 - 12.0 ft. Gravelly Sand (SC) Brown, firm-loose, clayey, wet @ 11.0 ft, increased grain size ¥ with depth, no odors or staining. TOTAL BORING DEPTH: 12.0 FEET GROUNDWATER DEPTH, INITIAL: 11.0 FEET GROUNDWATER DEPTH, FINAL: 7.8 FEET GRAB GROUNDWATER SAMPLE GA-7-W COLLECTED 20

BORING NUMBER: GA-8

BORING LOCATION: 81st AVE OAKLAND, CALIFORNIA

**GRIBI ASSOCIATES** 

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: DIRECT PUSH

BOREHOLE DIAMETER: 2 1/2 INCHES

COMPLETION METHOD: ASPHALT

BORING TOTAL DEPTH: 9.0 ft

GROUNDWATER DEPTH: 8.5 ft (INITIAL 6.0 ft (FINAL)

BORING TYPE: Soil Boring

PROJECT NAME: Weinstein 81st Ave.

PROJECT NUMBER:

START DATE: 11/10/2006

							(FINAL)
SAMPLE NO. SAMPLE DEPTH SAMPLE NO. SAMPLE NO	DEPTH SCALE (FEET)	SAMPLE SAMF NO. DEP	HI d and and in terval	宴 - INITIAL	uscs	LOG OF MATERIAL	PIEZOMETER: WELL INSTALLATION
GA-9-70 7.0 FEET  GA-9-70 7.0	10 <b>-</b> -	GA-8-7.0 7.0 F	FEET	¥		Gray-brown silt  1.0 - 8.5 ft. Clay (CL) Dark-gray, firm, dense, moist, no odors or staining.  8.5 - 9.0 ft. Sandy Gravel Light brown, loose, wet, no odors or staining  TOTAL BORING DEPTH: 9.0 FEET GROUNDWATER DEPTH: INITIAL: 8.5 FEET	