

September 11, 2000

Ms. Sally Richards  
Pineapple Sails  
123 2<sup>nd</sup> Street  
Oakland, California 94607

SHD 8692

510/444-4321

Re: Underground Storage Tank Removal Report  
2526 Blanding Avenue, Alameda, California  
ACC Project No. 00-6646-001.00

- Where are analytical results for HVCs (8260) as requested in chain of custody form #2 and by this Agency.
- Where are analytical results of oil pile soil (8.3 cy)

Dear Ms. Richards:

Enclosed please find one original and two copies of the Underground Storage Tank (UST) Removal Report for the former kerosene UST located at 2526 Blanding Avenue, Alameda, California.

On your behalf, ACC will forward a copy of the report to Ms. Eva Chu at the Alameda County Health Care Services Agency.

If you have any questions, please feel free to contact me at (510) 638-8400, ext. 109.

Sincerely,



David R. DeMent  
Environmental Division Manager

/nhd:drd

Enclosures

cc: Ms. Eva Chu  
Mr. David Henderson

Wendy Cardon  
call lab for chromatogram and  
interpretation for TPH<sub>2</sub> vs. kerosene.  
Was kerosene standard run.

**UNDERGROUND STORAGE TANK REMOVAL REPORT**

**2526 Blanding Avenue  
Alameda, California**

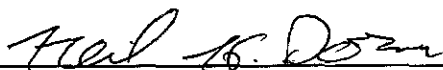
*ACC Project No. 00-6646-001.00*

Prepared for:

Ms. Sally Richards  
Pineapple Sails  
123 2<sup>nd</sup> Street  
Oakland, California 94607

September 11, 2000

Prepared by :



Neil H. Doran  
Staff Geologist

Reviewed by:



David R. DeMent, RG  
Environmental Division Manager

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**UNDERGROUND STORAGE TANK REMOVAL REPORT**  
**2526 Blanding Avenue**  
**Alameda, California**

## **1.0 INTRODUCTION**

ACC Environmental Consultants, Inc., (ACC) was retained by Pineapple Sails (Client) to document and remove one underground storage tank (UST) at 2526 Blanding Avenue, Alameda, California (Figure 1). Pineapple Sails is currently purchasing the property and has agreed to remove the tank to expedite this purchase. The First Somoan Congregational Church is the current property owner and responsible party.

## **2.0 BACKGROUND**

While performing a Phase I Environmental Site Assessment (ESA), ACC identified a fill pipe and 280-gallon heating oil underground storage tank (UST) in the center of the subject property adjacent to the sidewalk border on Blanding Avenue. Regulatory file review revealed installation of a 280-gallon UST in approximately 1929 but no records of removal were found. The UST was found to be 1.5 feet deep, 3 feet in diameter, approximately five feet long, and appeared to be oriented perpendicular to Blanding Avenue. The UST appears to have been cleaned or decommissioned and contained approximately 2 inches of liquid with a characteristic kerosene odor.

### **2.1 Previous Site Investigation**

Prior to the Phase I ESA, no previous site investigation was performed.

## **3.0 FIELD ACTIVITIES**

Prior to field activities, appropriate permits were obtained from the Alameda County Health Care Services Agency (ACHCSA). The UST removal and backfill work was performed by state licensed contractor DCM Construction & Services (DCM) under contractor's license number 745353 in accordance with regulatory requirements. ACC documented the subsurface work during UST removal and closure procedures. The UST removal was observed by Mr. Robert Weston of the ACHCSA and UST overexcavation was witnessed by Ms. Eva Chu of the ACHCSA. A copy of the Hazardous Waste Generator Inspection Report completed by Ms. Chu is included as Appendix 1.

DCM exposed and removed the UST on August 28, 2000. The UST was found to be oriented parallel with Blanding Avenue and located approximately 6 inches under the public sidewalk. Previously thought to be abandoned and cleaned with kerosene, the tank was found to be a kerosene fuel tank. Upon removal, the steel UST was observed to be in fairly good condition with no holes and minor, uniform corrosion. The bottom of the UST sat at a depth of approximately 5.5 feet bgs. The location of the UST is illustrated on Figure 2. Following overexcavation to 8.5 to 9.0 feet bgs, the hole was backfilled with overburden soil and clean fill materials and compacted.

**TABLE 1 - SOIL SAMPLE ANALYTICAL RESULTS**

Sample No.	Date Sampled	TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Biphy/benzene (mg/kg)	Total Xylenes (mg/kg)	MIBB (mg/kg)	TPPH/Kerosene (mg/kg)
T1-B1	08/28/00	—	<0.62	<0.62	<0.62	1.4	—	360
T1-B2	08/28/00	—	9.9	23	8.2	37	RP	680
T1-B3	08/28/00	—	<0.005	0.012	<0.005	0.023	<0.005	1.7
T1-Fill-8.5	08/31/00	<1.0	<0.005	<0.005	0.005	0.005	—	<1
SP(A-D)	08/28/00	—	<0.005	<0.005	<0.005	0.030	—	15

Notes: mg/kg = milligrams per kilogram = ppm = parts per million  
 < Indicates the sample tested below the specified laboratory reporting limit  
 — Sample not analyzed  
 RP Indicates results pending

**3.5 Remedial Soil Removal**

Following receipt of analytical results for soil samples T1-B1 and T1-B2, ACC returned to the site on August 31, 2000. The goal was to excavate the zone of heavily impacted soil from 5.5 to 7.5 feet bgs, take appropriate confirmation soil samples, backfill the excavation with clean excavated soil and clean imported sand, and support a plastic natural gas line that was discovered above the UST with a cement slurry mixture prior to final backfilling.

Under observation of Ms. Eva Chu of the ACHCSA, clean soil was excavated to a depth of 5.5 feet and stockpiled with the clean soilpile. Impacted soil was then excavated under the former UST to a depth of approximately 8.5 feet bgs across an area of approximately 6.5 by 11.5 feet. The thickness of discolored soil decreased to approximately one foot at the sidewalls of the excavation at 8.5 feet bgs. Approximately 8.3 cubic yards of impacted soil was stockpiled on and under plastic sheeting. This soil has been sampled and analytical results are pending to characterize it for offsite disposal.

One additional confirmation soil sample was collected in the center of the excavation under the fill port end at 8.5 feet bgs designated T1-Fill-8.5. This depth corresponded to the depth of soil sample T1-B3. As shown on Table 1, no petroleum hydrocarbons were reported in this soil sample. Following receipt of analytical results of sample T1-Fill-8.5, ACC requested Chromalab review the chromatogram from soil sample T1-B2 and quantify any gasoline present. Chromalab reported that the petroleum hydrocarbons were outside the range of gasoline and appeared to be kerosene. ACC is currently awaiting EPA Method 8260 analytical results for soil sample T1-B2.

what acc  
is reporting of  
SP(A-D) soil

→ actually, lab report says it did not meet diesel standard

Henry Carson

### 3.1 Preparation

Prior to UST removal, the tank was inerted with dry ice and internal vapors evaluated with the use of a lower explosion limit (LEL) meter. Following confirmation that the flammable vapor concentration and oxygen level met acceptable criteria, the UST was removed with approval of a representative of the Alameda Fire Department and the ACHCSA.

### 3.2 UST Removal

Upon removal, the UST was placed on the ground, cleaned with shovels, and examined for holes. The UST was loaded onto a truck under temporary EPA identification number CAC 002209921 and hauled under hazardous waste manifest No. 99631496 to ECI (formerly Erickson) in Richmond, California. A copy of the manifest and a copy of the transportation service order are included as Appendix 2.

### 3.3 Subsurface Conditions

The soil observed within the excavation consisted of light brown to reddish brown sandy silt to a depth of 8.0 feet bgs. At 8.0 feet bgs, soil rapidly transitioned into clay with minor amounts of sand. Petroleum hydrocarbon odor as kerosene and green discoloration were noted in the soil from approximately 5.5 to 8.5 feet bgs. Soil discoloration decreased rapidly with depth and distance from the center of the former UST. No water was observed in the excavation following UST removal and is estimated to be 10 to 12 feet bgs in the area.

*Saw very moist soil. water weeping in at bottom of pit*

### 3.4 Sample Collection

On August 28, 2000, ACC collected three verification soil samples under the south end of the UST (opposite the fill port) designated T1-B1, T1-B2, and T1-B3. Depths of the samples were 6.5, 7.5, and 9.5 feet bgs, respectively. In addition, four discrete soil samples were collected from stockpiled overburden soil to be composited by the laboratory. Soil samples were obtained with 2-inch-diameter brass liners. After collection, all soil samples were immediately covered with Teflon<sup>®</sup> tape and tight-fitting plastic end caps, labeled, and submitted to Chromalab, Inc. (Chromalab), a state-certified analytical laboratory

Sample locations are illustrated on Figure 2. According to Tri-Regional Guidelines, the samples were analyzed for diesel and BTEX and the laboratory was notified that kerosene was the primary suspect petroleum hydrocarbon. Samples T1-B1 and T1-B2 were analyzed on 24 hour turnaround and the other samples were analyzed on 72 hour turnaround. Analytical results are summarized in Table 1. Copies of analytical results and chain of custody records are included as Appendix 3.

*[Faint handwritten notes at the bottom of the page, possibly bleed-through from the reverse side.]*

#### 4.0 DISCUSSION

Analytical results of the soil samples collected in soil beneath the former UST removal indicate an impact from petroleum hydrocarbons as kerosene. While BTEX concentrations were reported in soil sample T1-B2, site history and the lack of BTEX or gasoline in other soil samples indicate a low likelihood the UST ever held gasoline. The highest kerosene concentration reported was 680 ppm and this impacted soil was excavated and removed from the excavation prior to backfilling. Two confirmation soil samples collected at opposite ends of the bottom of the excavation reported kerosene concentrations of nondetect and 1.7 ppm. Visual observation of the bottom of the excavation revealed that soil consisted of plastic, dense clays known locally as 'Bay Muds' and the thickness of discolored soil was approximately 1 foot at the sidewalls of the excavation. The decreasing thickness of discolored soil at the sidewalls of the excavation and the soil type indicate kerosene impact is highly localized to the UST excavation.

#### 5.0 CONCLUSIONS

Based on field observations, analytical results, and work performed to date, ACC concludes:

- A minor, localized kerosene impact exists in the vicinity of the former UST but the source and the majority of impacted soil was successfully excavated and removed for offsite disposal;
- Impact to groundwater immediately adjacent to the former UST is suspected; however, ACC estimates this impact to be minor in degree and extent due to fine-grained native soils with low estimated hydraulic conductivity;
- With the exception of soil sample T1-B2, BTEX values are minimal to nondetect and residual BTEX typically exhibits preferential degradation in subsurface soil and groundwater;
- Shallow groundwater at the site likely has elevated dissolved solids or is brackish, and is not an existing or potential source of potable water; *Need TDS*
- Future use of the site includes covering the former UST location with asphalt pavement which minimizes potential contact with any residual petroleum hydrocarbons;
- Residual petroleum hydrocarbons in the subsurface exhibit low toxicity, do not pose a threat to human health or the environment, and are expected to continue to decrease through natural attenuation processes; and

- Despite the lack of groundwater data, current subsurface conditions can be inferred with a high degree of confidence and ACC believes the site should be evaluated for regulatory closure as a low-risk groundwater case. *How can it be a low risk GW case w/o any GW data?*

## 6.0 RECOMMENDATIONS

This 280-gallon UST provided kerosene for heating fuel for a former residence at the subject property. Cost-effective source removal has been conducted to the extent feasible. Based on field observations, analytical results of soil samples, and findings of work conducted during UST removal, ACC recommends that:

- No further investigation is warranted in the vicinity of the former kerosene UST;
- Minor, residual concentrations of petroleum hydrocarbons in soil and groundwater be allowed to naturally degrade; and
- The site be evaluated for regulatory site closure.

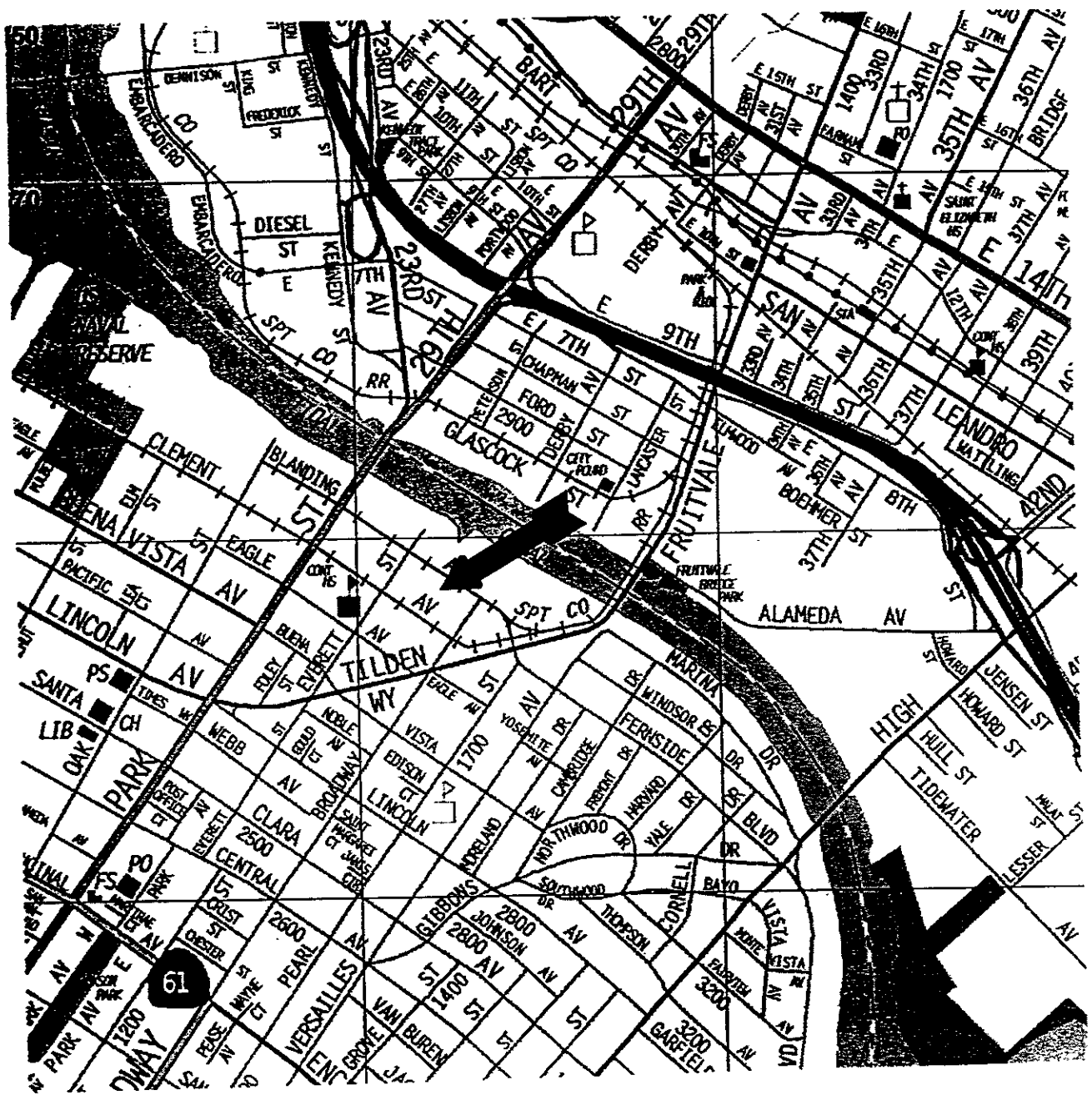


## 7.0 LIMITATIONS

The service performed by ACC has been conducted in a manner consistent with the levels of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area. No other warranty, expressed or implied, is made.

The conclusions presented in this report are professional opinions based on the indicated data described in this report and applicable regulations and guidelines currently in place. They are intended only for the purpose, site, and project indicated. Opinions and recommendations presented herein apply to site conditions existing at the time of our study.

ACC has included analytical results from a state-certified laboratory, which performs analyses according to procedures suggested by the U.S. Environmental Protection Agency and the State of California. ACC is not responsible for laboratory errors in procedure or result reporting.



SOURCE: Thomas Gu de CD ROM, 1997

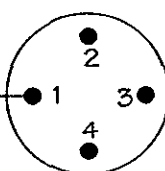
Title: <b>Location Map</b> <b>2526 Blanding Avenue</b> Alameda, California	
Figure Number: 1	Scale: 1" = 0.3 Mile
Project Number: 6646-01.00	Drawn By: NHD
<p><b>A.C.C.</b> ENVIRONMENTAL CONSULTANTS</p>	Date: 9/11/00
7977 Capwell Drive, Suite 100 Oakland, California 94621 (510) 638-6400 Fax (510) 638-8444	

SIDEWALK

BLANDING AVENUE

Sample ID	Depth	TEPH*	Benzene
T1-Fill-8.5	8.5'	<1.0	<0.005

Sample ID	TEPH*	Benzene
SP(1-4)	15	<0.005



Sample ID	Depth	TEPH*	Benzene
T1-B1	6.5'	360	<0.62
T1-B2	7.5'	680	9.9
T1-B3	9.5'	1.7	<0.005

### LEGEND

- - ACC Soil Sample Location
- ▭ - Former Kerosene UST
- (dashed) - Approximate Limits of Excavation
- (solid) - Soil Pile

\* TEPH Reported as Diesel

All Analytical Results Reported in Parts Per Million

Title: **Site Plan**  
**2526 Blanding Avenue**  
 Alameda, California

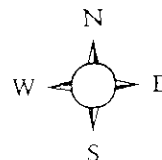
Figure Number 2 Scale: 1/8" = 1'

Project Number 6646-01.00 Drawn By NHD

Date 9/11/00

**A·C·C**  
 ENVIRONMENTAL  
 CONSULTANTS

7977 Capwell Drive, Suite 100  
 Oakland, California 94621  
 (510) 638-8400 FAX (510) 638-8404



## UNDERGROUND STORAGE TANK CLOSURE/REMOVAL FIELD INSPECTION REPORT

Site Address: <u>2530 Blanding, Alameda</u> Inspector: <u>Eva Chu</u> Date and Time of Arrival: <u>10:10 AM Aug 31, 2000</u>	Name of Facility: <u>1st Samoan Cong.</u> Contact on site: <u>Dave Demant</u> Contractor/Consultant: <u>ACC</u>
--	---

Approved closure plan on site.			
Changes to approved plan noted.			
Residuals properly stored/transported.			
Receipt for adequate dry ice noted.			

Site Safety Plan properly signed.			
40B:C fire extinguisher on site.			
"No Smoking" signs posted.			
Gas detector challenged by inspector.			

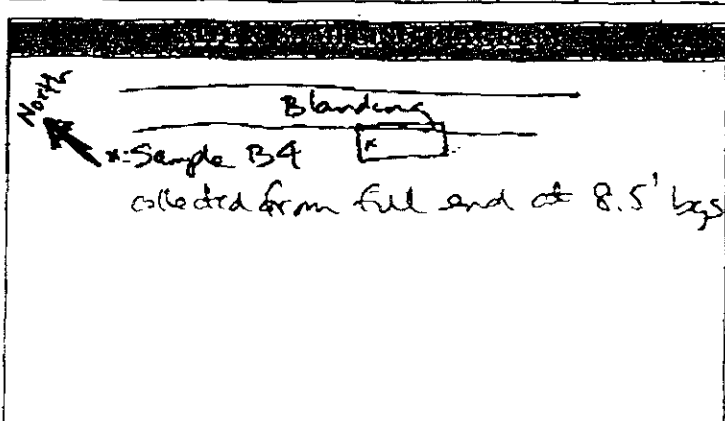
Tank Capacity (gallons)			
Material last stored			
Dry ice used (pounds)			
Combustible gas concentration as %LEL. (Note time & sampling point)			
(1)			
(2)			
(3)			
Oxygen concentration as % volume. (Note time & sampling point.)			
(1)			
(2)			
(3)			
Tank Material			
Wrapping/Coating, if any			
Obvious holes?			

Obvious corrosion?			
Obvious odors from tank?			
Seams intact?			
Tank bed backfill material			
Obvious discoloration?			
Obvious odors ex tank bed?			
Water in excavation?			
Sheen/product on water?			
Tank tagged by transporter?			
Tank wrapped for transport?			
Tank plugged w/ vent cap?			
Date/time tank hauled off?			
No. of soil samples taken?			
Depth of soil samples (ft. bgs)			

All piping removed hauled off w/ tanks?			
Obvious holes on pipes?			
Obvious odors from pipes?			
Obvious soil discoloration in piping trench?			
Obvious odors from piping trench?			
Water in piping trench?			
Number & depth of soil samples from piping trench?			
Number & depth of water samples from piping trench?			

Leak from any tank suspected?			
"Leak Report" form given to the operator?			
Obviously contaminated soil excavated?			
Soil stockpile sampled?			
Stockpile lined AND covered?			
Water in excavation sampled?			
Number/depth of water samples taken?			
All samples properly preserved for transport?			

Soil/water sampling protocols acceptable?			
Sampling "chain of custody" noted?			
Tank pit filled in or covered?			
Tank pit fenced or barricaded?			
Transporter a registered HW hauler?			
Uniform HW Manifest completed?			
Contractor/Consultant reminded of complete UST Removal Report due within 30 days?			
Date/Time removal/closure operations completed?			
OT hours or additional charges due from contractor?			



Notes/Comments: Analyze sample B-2 for TPH gas, and Method 8260 for MTBE, VOCs, other oxygenates

## ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

A Certified Unified Program Agency

Aug 31, 2000

2530 Blanding Ave. Alameda, CA

On site to oversee excavation of pit to remove discolored (contaminated) soil at ~6' to 8' bgs. Approximately 5 cu. soil was removed for potential off-site disposal. Pit will be backfilled with clean import soil, and with "clean" overburden (Analytical results of 'clean' overburden have not been received yet).

Soil Sample B-4 was collected from the pit bottom at 8.5' bgs (from the fill end). Soil was brown clay with some staining but no obvious Hydrocarbon odor. Sample is dry. Moist/wet soil was noted on portions of the pit bottom.

Sample B-4 will be analyzed for TPHg, TPHd and BTEX, if warranted, depending on analytical results of Sample ~~B-3~~ B-3 (collected on ~~Friday~~ Monday Aug 28)

Analyze Sample B-2 (collected 6.5' to 7' bgs on Monday Aug 28) for TPHgas, MTBE, and other oxygenated, + VOCs using Method 8260.

An unauthorized leak report is required for the site. Please submit w/in 10 days (by Sept 11, 2000)

to Dave Demont  
ACE

Pb. Bron Chw

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7350

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>CAL00220992113114916</b>		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address <b>First Southern Congregational Church 1911 Eureka St Alameda, CA 94501</b>						A. State Manifest Document Number <b>99631496</b>							
4. Generator's Phone ( ) <b>Alameda, CA 94501</b>						B. State Generator's ID							
5. Transporter 1 Company Name <b>ECOTOXIC CONTROL INDUSTRIES</b>				6. US EPA ID Number <b>CAD982030175</b>		C. State Transporter's ID [Reserved.]							
7. Transporter 2 Company Name						D. Transporter's Phone <b>510-235-1383</b>							
8. US EPA ID Number						E. State Transporter's ID [Reserved.]							
9. Designated Facility Name and Site Address <b>ECOTOXIC CONTROL INDUSTRIES 125 FARR BLVD RICHMOND CA 94801</b>						G. State Facility's ID							
10. US EPA ID Number <b>CAD999466392</b>						H. Facility's Phone <b>510-235-1393</b>							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) <b>WASTE EMPTY STORAGE TANK NON-FLAMMABLE HAZARDOUS WASTE SOLID</b>					12. Containers		13. Total		14. Unit		I. Waste Number		
					No. Type		Quantity		Wt/Vol		State EPA/Other		
					<b>001 TP</b>		<b>00300</b>		<b>P</b>		State <b>CA</b> EPA/Other <b>None</b>		
b.											State EPA/Other		
c.											State EPA/Other		
d.											State EPA/Other		
J. Additional Descriptions for Materials Listed Above <b>300 TANKS HAVE BEEN INVENTORIED WITH 100% COPY OF RFP INFORMATION CAPACITY</b>						K. Handling Codes for Wastes Listed Above							
						a.		b.		c.		d.	
15. Special Handling Instructions and Additional Information <b>24 hour emergency telephone number: Dave DeMent 510-638-8400 74 hour emergency contact: DDT FROM 174</b>													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name <b>David DeMent for SAI ITULA</b>				Signature <i>[Signature]</i>				Month <b>08</b>		Day <b>28</b>		Year <b>00</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>Willie Givers</b>				Signature <i>[Signature]</i>				Month <b>08</b>		Day <b>28</b>		Year <b>00</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month		Day		Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Printed/Typed Name				Signature				Month		Day		Year	

DO NOT WRITE BELOW THIS LINE.



Ecology Control Industries

A FULL SERVICE ENVIRONMENTAL COMPANY

TRANSPORTATION SERVICE ORDER

SERVICE ORDER # 145984

(MON) DATE 8-28-00

Name: D.C.M. Construction, DUBLIN, CA

Address (BILLING): CAD 945203673 Zip:

Ordered by: D. SATO #149 Company: P.O. #:

Name (PRINT): Signed: Willie Duvine

Truck #: 12051 Trailer #: N/A Size/Type: (GEAR) TRUCK ON SITE 1500

Services performed: 300

31" T&D 5'7" X 300 TO EIR TANK PAD

Vertical text on left margin: 145984

TIME

MANIFEST #:	DISPOSAL #:	Start: 1245 PM	Stop: AM PM	Gross Time: _____ Hrs.
# _____	# _____	MEALS: 0 AM PM	Stop: 0 AM PM	Less: _____ Hrs.
#Loads: _____	Qty: _____	Other Time: 0	Add/Deduct	Total: _____ Hrs.
BBL: _____	Gal: _____	Tons: _____	Yards: _____	

SITE

Time In: 1:30 pm Time In: \_\_\_\_\_ Stop Miles: \_\_\_\_\_  
 Start Miles: 36410  
 Time Out: \_\_\_\_\_ Time Out: \_\_\_\_\_ Miles Driven: \_\_\_\_\_

DESCRIPTION

	QTY.	U.O.M.	RATE	EXT.		QTY.	U.O.M.	RATE	EXT.
Vacuum Truck					Disposal				
End Dump					Washout				
Roll-off					Roper Pump				
Flat Bed					Bin Liner				
Tank Mover					Surcharge				
Driver Relief									
Substance									

Authorized & Approved by: Dan DeL... Title: Consultant  
 TOTAL CHARGES: \$

If invoice is not paid within 30 days, interest shall commence accruing at 1.5% per month. Should suit be commenced to collect any portion of this invoice, Ecology Control Industries shall be entitled to any costs deemed reasonable by the court, including attorney fees.

**ACC Environmental Consultants**  
7977 Capwell Drive, Suite 100  
Oakland, CA 94621

Attn.: Mr. Dave DeMent

Project: 6646-001.00  
2526 Blanding

Dear Mr. DeMent,

Attached is our report for your samples received on Friday September 1, 2000  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after October 16, 2000  
unless you have requested otherwise. We appreciate the opportunity to be of service to you.  
If you have any questions, please call me at (925) 484-1919. You can also contact me via email.  
My email address is: [vvancil@chromalab.com](mailto:vvancil@chromalab.com)

Sincerely,



Vincent Vancil



Volatile Hydrocarbons by 8015/8020

<b>ACC Environmental Consultants</b>	✉ 7977 Capwell Drive, Suite 100 Oakland, CA 94621
Attn: Dave DeMent	Phone: (510) 638-8400 Fax: (510) 638-8404
Project #: 2526 Blanding	Project: 00-6646-001.00

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
T1-B3	Soil	08/28/2000 15:35	3
SP1,2,3,4	Soil	08/28/2000 15:40	4

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-08-0546

To: ACC Environmental Consultants

Test Method: 8020

Attn.: Dave DeMent

Prep Method: 5030

## Volatile Hydrocarbons by 8015/8020

Sample ID: T1-B3	Lab Sample ID: 2000-08-0546-003
Project: 2526 Blanding 00-6646-001.00	Received: 08/29/2000 15:10
Sampled: 08/28/2000 15:35	Extracted: 08/30/2000 20:23
Matrix: Soil	QC-Batch: 2000/08/30-01.02

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/30/2000 20:23	
Toluene	0.012	0.0050	mg/Kg	1.00	08/30/2000 20:23	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/30/2000 20:23	
Xylene(s)	0.023	0.0050	mg/Kg	1.00	08/30/2000 20:23	
MTBE	ND	0.0050	mg/Kg	1.00	08/30/2000 20:23	
<b>Surrogate(s)</b> Trifluorotoluene	63.5	53-125	%	1.00	08/30/2000 20:23	

1220 Quarry Lane \* Pleasanton, CA 94566-4756

Telephone (925) 484-1919 \* Facsimile (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-08-0546

To: ACC Environmental Consultants

Test Method: 8020

Attn.: Dave DeMent

Prep Method: 5030

Volatile Hydrocarbons by 8015/8020

Sample ID: <b>SP1,2,3,4</b>	Lab Sample ID: <b>2000-08-0546-004</b>
Project: <b>2526 Blanding 00-6646-001.00</b>	Received: <b>08/29/2000 15:10</b>
Sampled: <b>08/28/2000 15:40</b>	Extracted: <b>08/30/2000 20:54</b>
Matrix: <b>Soil</b>	QC-Batch: <b>2000/08/30-01.02</b>

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/30/2000 20:54	
Toluene	ND	0.0050	mg/Kg	1.00	08/30/2000 20:54	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/30/2000 20:54	
Xylene(s)	0.030	0.0050	mg/Kg	1.00	08/30/2000 20:54	
<b>Surrogate(s)</b> Trifluorotoluene	75.6	53-125	%	1.00	08/30/2000 20:54	

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-08-0546

To: ACC Environmental Consultants

Test Method: 8020  
8015M

Attn.: Dave DeMent

Prep Method: 5030

**Batch QC Report**  
Volatile Hydrocarbons by 8015/8020

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2000/08/30-01.02</b>
MB: 2000/08/30-01.02-001		Date Extracted: 08/30/2000 06:07

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	08/30/2000 06:07	
Toluene	ND	0.0050	mg/Kg	08/30/2000 06:07	
Ethyl benzene	ND	0.0050	mg/Kg	08/30/2000 06:07	
Xylene(s)	ND	0.0050	mg/Kg	08/30/2000 06:07	
MTBE	ND	0.0050	mg/Kg	08/30/2000 06:07	
<b>Surrogate(s)</b>					
Trifluorotoluene	90.0	53-125	%	08/30/2000 06:07	

To: ACC Environmental Consultants

Test Method: 8020  
8015M

Attn: Dave DeMent

Prep Method: 5030

### Batch QC Report

Volatile Hydrocarbons by 8015/8020

Laboratory Control Spike (LCS/LCSD)		Soil		QC Batch # 2000/08/30-01.02	
LCS:	2000/08/30-01.02-002	Extracted:	08/30/2000 06:38	Analyzed	08/30/2000 06:38
LCSD:	2000/08/30-01.02-003	Extracted:	08/30/2000 07:10	Analyzed	08/30/2000 07:10

Compound	Conc. [ mg/Kg ]		Exp.Conc. [ mg/Kg ]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Benzene	0.0996	0.0906	0.1000	0.1000	99.6	90.6	9.5	77-123	35		
Toluene	0.0996	0.0907	0.1000	0.1000	99.6	90.7	9.4	78-122	35		
Ethyl benzene	0.0950	0.0868	0.1000	0.1000	95.0	86.8	9.0	70-130	35		
Xylene(s)	0.275	0.254	0.300	0.300	91.7	84.7	7.9	75-125	35		
<b>Surrogate(s)</b>											
Trifluorotoluene	474	418	500	500	94.8	83.6		53-125			

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-08-0546

Diesel

**ACC Environmental Consultants**

✉ 7977 Capwell Drive, Suite 100  
Oakland, CA 94621

Attn: Dave DeMent

Phone: (510) 638-8400 Fax: (510) 638-8404

Project #: 2526 Blanding

Project: 00-6646-001.00

## Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
T1-B3	Soil	08/28/2000 15:35	3
SP1,2,3,4	Soil	08/28/2000 15:40	4

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone (925) 484-1919 \* Facsimile (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-08-0546

To: ACC Environmental Consultants  
Attn.: Dave DeMent

Test Method: 8015M  
Prep Method: 3550/8015M

Diesel

Sample ID: T1-B3	Lab Sample ID: 2000-08-0546-003
Project: 2526 Blanding 00-6646-001.00	Received: 08/29/2000 15:10
Sampled: 08/28/2000 15:35	Extracted: 08/29/2000 14:40
Matrix: Soil	QC-Batch: 2000/08/29-06.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	1.7	1.0	mg/Kg	1.00	08/30/2000 19:22	edr
<i>Surrogate(s)</i> o-Terphenyl	78.7	60-130	%	1.00	08/30/2000 19:22	

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-08-0546

To: ACC Environmental Consultants

Test Method: 8015M

Attn.: Dave DeMent

Prep Method: 3550/8015M

Diesel

Sample ID: SP1,2,3,4	Lab Sample ID: 2000-08-0546-004
Project: 2526 Blanding 00-6646-001.00	Received: 08/29/2000 15:10
Sampled: 08/28/2000 15:40	Extracted: 08/29/2000 14:40
Matrix: Soil	QC-Batch: 2000/08/29-06.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	15	1.0	mg/Kg	1.00	08/30/2000 19:56	edr
Surrogate(s) o-Terphenyl	79.8	60-130	%	1.00	08/30/2000 19:56	



# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-08-0546

To: ACC Environmental Consultants

Test Method: 8015M

Attn.: Dave DeMent

Prep Method: 3550/8015M

## Batch QC Report

Diesel

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2000/08/29-06.10</b>
MB: 2000/08/29-06.10-001		Date Extracted: 08/29/2000 14:40

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	1	mg/Kg	08/30/2000 11:46	
Surrogate(s) o-Terphenyl	78.0	60-130	%	08/30/2000 11:46	

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-08-0546

To: ACC Environmental Consultants

Test Method: 8015M

Attn: Dave DeMent

Prep Method: 3550/8015M

## Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD)	Soil	QC Batch # 2000/08/29-06.10
LCS: 2000/08/29-06.10-002	Extracted: 08/29/2000 14:40	Analyzed 08/30/2000 12:54
LCSD: 2000/08/29-06.10-003	Extracted: 08/29/2000 14:40	Analyzed 08/30/2000 13:28

Compound	Conc. [ mg/Kg ]		Exp. Conc. [ mg/Kg ]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Diesel	41.6	38.9	41.7	41.7	99.8	93.3	6.7	60-130	25		
<b>Surrogate(s)</b> o-Terphenyl	21.9	22.1	20.0	20.0	109.5	110.5		60-130			

To: ACC Environmental Consultants

Attn: Dave DeMent

Test Method: 8015M

Prep Method: 3550/8015M

## Legend & Notes

Diesel

### Analyte Flags

edr

Hydrocarbon reported is in the early Diesel range, and does not match our Diesel standard

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 2000-08-0546

Diesel

<b>ACC Environmental Consultants</b>	✉ 7977 Capwell Drive, Suite 100 Oakland, CA 94621
Attn: Dave DeMent	Phone: (510) 638-8400 Fax: (510) 638-8404
Project #: 2526 Blanding	Project 00-6646-001.00

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
T1-B1	Soil	08/28/2000 15:20	1
T1-B2	Soil	08/28/2000 15:30	2

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 2000-08-0546

To: ACC Environmental Consultants

Test Method: 8015M

Attn.: Dave DeMert

Prep Method: 3550/8015M

Diesel

Sample ID: T1-B1	Lab Sample ID: 2000-08-0546-001
Project: 2526 Blanding 00-6646-001.00	Received: 08/29/2000 15:10
Sampled: 08/28/2000 15:20	Extracted: 08/29/2000 14:40
Matrix: Soil	QC-Batch: 2000/08/29-06.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	360	1.0	mg/Kg	1.00	08/30/2000 12:20	edr
<i>Surrogate(s)</i> o-Terphenyl	81.7	60-130	%	1.00	08/30/2000 12:20	

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 2000-08-0546

To: ACC Environmental Consultants

Test Method: 8015M

Attn.: Dave DeMert

Prep Method: 3550/8015M

Diesel

Sample ID: T1-B2	Lab Sample ID: 2000-08-0546-002
Project: 2526 Blanding 00-6646-001.00	Received: 08/29/2000 15:10
Sampled: 08/28/2000 15:30	Extracted: 08/29/2000 14:40
Matrix: Soil	QC-Batch: 2000/08/29-06.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	680	1.0	mg/Kg	1.00	08/30/2000 12:54	edr
<i>Surrogate(s)</i> o-Terphenyl	84.9	60-130	%	1.00	08/30/2000 12:54	

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 2000-08-0546

To: ACC Environmental Consultants

Test Method: 8015M

Attn.: Dave DeMent

Prep Method: 3550/8015M

## Batch QC Report

Diesel

Method Blank	Soil	QC Batch # 2000/08/29-06.10
MB: 2000/08/29-06.10-001		Date Extracted: 08/29/2000 14:40

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	1	mg/Kg	08/30/2000 11:46	
<i>Surrogate(s)</i> o-Terphenyl	78.0	60-130	%	08/30/2000 11:46	

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-08-0546

To: ACC Environmental Consultants

Test Method: 8015M

Attn: Dave DeMent

Prep Method: 3550/8015M

## Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD)	Soil	QC Batch # 2000/08/29-06.10
LCS: 2000/08/29-06.10-002	Extracted: 08/29/2000 14:40	Analyzed: 08/30/2000 12:54
LCSD: 2000/08/29-06.10-003	Extracted: 08/29/2000 14:40	Analyzed: 08/30/2000 13:28

Compound	Conc. [mg/Kg]		Exp. Conc. [mg/Kg]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Diesel	41.6	38.9	41.7	41.7	99.8	93.3	6.7	60-130	25		
<i>Surrogate(s)</i> o-Terphenyl	21.9	22.1	20.0	20.0	109.5	110.5		60-130			



# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-08-0546

To: ACC Environmental Consultants  
Attn: Dave DeMert

Test Method: 8015M  
Prep Method: 3550/8015M

## Legend & Notes

Diesel

### Analyte Flags

edr

Hydrocarbon reported is in the early Diesel range, and does not match our Diesel standard

Total Extractable Petroleum Hydrocarbons (TEPH)

**ACC Environmental Consultants**

✉ 7977 Capwell Drive, Suite 100  
Oakland, CA 94621

Attn: Dave DeMent

Phone: (510) 638-8400 Fax: (510) 638-8404

Project #: 6646-001.00

Project: 2526 Blanding

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
T1-FILL 8.5	Soil	08/31/2000 12:30	1

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0027

To: ACC Environmental Consultants

Test Method: 8015M

Attn.: Dave DeMent

Prep Method: 3550/8015M

## Total Extractable Petroleum Hydrocarbons (TEPH)

Sample ID: T1-FILL 8.5	Lab Sample ID: 2000-09-0027-001
Project: 6646-001.00 2526 Blanding	Received: 09/01/2000 16:30
Sampled: 08/31/2000 12:30	Extracted: 09/05/2000 12:31
Matrix: Soil	QC-Batch: 2000/09/05-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/05/2000 19:20	
Kerosene	ND	1.0	mg/Kg	1.00	09/05/2000 19:20	
<b>Surrogate(s)</b> o-Terphenyl	63.7	60-130	%	1.00	09/05/2000 19:20	

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0027

To: ACC Environmental Consultants  
Attn.: Dave DeMent

Test Method: 8015M  
Prep Method: 3550/8015M

**Batch QC Report**  
Total Extractable Petroleum Hydrocarbons (TEPH)

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2000/09/05-01.10</b>
MB: 2000/09/05-01.10-001		Date Extracted: 09/05/2000 12:31

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	1	mg/Kg	09/05/2000 19:20	
Kerosene	ND	1	mg/Kg	09/05/2000 19:20	
<b>Surrogate(s)</b> o-Terphenyl	80.0	60-130	%	09/05/2000 19:20	

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0027

To: ACC Environmental Consultants

Test Method: 8015M

Attn: Dave DeMent

Prep Method: 3550/8015M

## Batch QC Report

### Total Extractable Petroleum Hydrocarbons (TEPH)

Laboratory Control Spike (LCS/LCSD)	Soil	QC Batch # 2000/09/05-01.10
LCS: 2000/09/05-01.10-002	Extracted: 09/05/2000 12:31	Analyzed 09/05/2000 18:03
LCSD: 2000/09/05-01.10-003	Extracted: 09/05/2000 12:31	Analyzed 09/05/2000 18:42

Compound	Conc. [ mg/Kg ]		Exp.Conc. [ mg/Kg ]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Diesel	41.1	40.5	41.7	41.7	98.6	97.1	1.5	60-130	25		
<b>Surrogate(s)</b>											
o-Terphenyl	23.2	22.9	20.0	20.0	116.0	114.5		60-130			

Gas/BTEX

<b>ACC Environmental Consultants</b>	✉ 7977 Capwell Drive, Suite 100 Oakland, CA 94621
Attn: Dave DeMent	Phone: (510) 638-8400 Fax: (510) 638-8404
Project #: 6646-001.00	Project: 2526 Blanding

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
T1-FILL 8.5	Soil	08/31/2000 12:30	1

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0027

To: ACC Environmental Consultants

Test Method: 8020  
8015M

Attn.: Dave DeMent

Prep Method: 5030

## Gas/BTEX

Sample ID: T1-FILL 8.5	Lab Sample ID: 2000-09-0027-001
Project: 6646-001.00 2526 Blanding	Received: 09/01/2000 16:30
Sampled: 08/31/2000 12:30	Extracted: 09/06/2000 20:15
Matrix: Soil	QC-Batch: 2000/09/06-01.01

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	09/06/2000 20:15	
Benzene	ND	0.0050	mg/Kg	1.00	09/06/2000 20:15	
Toluene	ND	0.0050	mg/Kg	1.00	09/06/2000 20:15	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	09/06/2000 20:15	
Xylene(s)	ND	0.0050	mg/Kg	1.00	09/06/2000 20:15	
<b>Surrogate(s)</b>						
Trifluorotoluene	66.9	53-125	%	1.00	09/06/2000 20:15	
4-Bromofluorobenzene-FID	66.5	58-124	%	1.00	09/06/2000 20:15	

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0027

To: ACC Environmental Consultants

Test Method: 8020  
8015M

Attn.: Dave DeMent

Prep Method: 5030

## Batch QC Report Gas/BTEX

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2000/09/06-01.01</b>
MB: 2000/09/06-01.01-001		Date Extracted: 09/06/2000 12:39

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	09/06/2000 12:39	
Benzene	ND	0.0050	mg/Kg	09/06/2000 12:39	
Toluene	ND	0.0050	mg/Kg	09/06/2000 12:39	
Ethyl benzene	ND	0.0050	mg/Kg	09/06/2000 12:39	
Xylene(s)	ND	0.0050	mg/Kg	09/06/2000 12:39	
<b>Surrogate(s)</b>					
Trifluorotoluene	66.0	53-125	%	09/06/2000 12:39	
4-Bromofluorobenzene-FID	66.4	58-124	%	09/06/2000 12:39	



# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0027

To: ACC Environmental Consultants

Test Method: 8020  
8015M

Attn: Dave DeMent

Prep Method: 5030

## Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD)		Soil		QC Batch # 2000/09/06-01.01	
LCS:	2000/09/06-01.01-002	Extracted:	09/06/2000 15:35	Analyzed	09/06/2000 15:35
LCSD:	2000/09/06-01.01-003	Extracted:	09/06/2000 16:10	Analyzed	09/06/2000 16:10

Compound	Conc. [mg/Kg]		Exp. Conc. [mg/Kg]		Recovery [%]			Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	RPD [%]	Recovery	RPD	LCS	LCSD
Gasoline	0.478	0.517	0.500	0.500	95.6	103.4	7.8	75-125	35		
Benzene	0.0923	0.0911	0.1000	0.1000	92.3	91.1	1.3	77-123	35		
Toluene	0.0899	0.0888	0.1000	0.1000	89.9	88.8	1.2	78-122	35		
Ethyl benzene	0.0900	0.0892	0.1000	0.1000	90.0	89.2	0.9	70-130	35		
Xylene(s)	0.267	0.267	0.300	0.300	89.0	89.0	0.0	75-125	35		
<b>Surrogate(s)</b>											
Trifluorotoluene	453	447	500	500	90.6	89.4		53-125			
4-Bromofluorobenzene-F1	373	421	500	500	74.6	84.2		58-124			

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone (925) 484-1919 \* Facsimile (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0027

To: ACC Environmental Consultants

Test Method: 8020  
8015M

Attn.: Dave DeMent

Prep Method: 5030

## Batch QC Report

Gas/BTEX

Matrix Spike ( MS / MSD )

Soil

QC Batch # 2000/09/06-01.01

Sample ID: T1-FILL 8.5

Lab Sample ID: 2000-09-0027-001

MS: 2000/09/06-01.01-004 Extracted: 09/06/2000 21:24 Analyzed: 09/06/2000 21:24 Dilution: 1.0

MSD: 2000/09/06-01.01-005 Extracted: 09/06/2000 21:59 Analyzed: 09/06/2000 21:59 Dilution: 1.0

Compound	Conc. [ mg/Kg ]			Exp. Conc. [ mg/Kg ]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD		Recovery	RPD	MS	MSD
Gasoline	0.520	0.459	ND	0.435	0.432	119.5	106.3	11.7	65-135	35		
Benzene	0.0535	0.0579	ND	0.0870	0.0864	61.5	67.0	8.6	65-135	35	mso	
Toluene	0.0523	0.0566	ND	0.0870	0.0864	60.1	65.5	8.6	65-135	35	mso	
Ethyl benzene	0.0513	0.0553	ND	0.0870	0.0864	59.0	64.0	8.1	65-135	35	mso	mso
Xylene(s)	0.153	0.165	ND	0.261	0.259	58.6	63.7	8.3	65-135	35	mso	mso
<b>Surrogate(s)</b>												
Trifluorotoluene	305	328		500	500	61.0	65.6		53-125			
4-Bromofluorobenzene-F	349	327		500	500	69.8	65.4		58-124			

1220 Quarry Lane \* Pleasanton, CA 94566-4756

Telephone (925) 484-1919 \* Facsimile (925) 484-1096

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 2000-08-0546

Gas/BTEX (Methanol Extraction)

**ACC Environmental Consultants**✉ 7977 Capwell Drive, Suite 100  
Oakland, CA 94621

Attn: Dave DeMent

Phone: (510) 638-8400 Fax: (510) 638-8404

Project #: 2526 Blanding

Project 00-6646-001.00

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
T1-B1	Soil	08/28/2000 15:20	1
T1-B2	Soil	08/28/2000 15:30	2

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 2000-08-0546

To: **ACC Environmental Consultants**

Test Method: 8020

Attn.: Dave DeMent

Prep Method: 5030

Gas/BTEX (Methanol Extraction)

Sample ID:	T1-B1	Lab Sample ID:	2000-08-0546-001
Project:	2526 Blanding 00-6646-001.00	Received:	08/29/2000 15:10
Sampled:	08/28/2000 15:20	Extracted:	08/29/2000 21:13
Matrix:	Soil	QC-Batch:	2000/08/29-05.03

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Benzene	ND	0.62	mg/Kg	1.00	08/29/2000 21:13	
Toluene	ND	0.62	mg/Kg	1.00	08/29/2000 21:13	
Ethyl benzene	ND	0.62	mg/Kg	1.00	08/29/2000 21:13	
Xylene(s)	1.4	0.62	mg/Kg	1.00	08/29/2000 21:13	
<b>Surrogate(s)</b> Trifluorotoluene	284.6	53-125	%	1.00	08/29/2000 21:13	sh

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-08-0546

To: ACC Environmental Consultants  
 Attn.: Dave DeMent

Test Method: 8020  
 Prep Method: 5030

Gas/BTEX (Methanol Extraction)

Sample ID: T1-B2	Lab Sample ID: 2000-08-0546-002
Project: 2526 Blanding 00-6646-001.00	Received: 08/29/2000 15:10
Sampled: 08/28/2000 15:30	Extracted: 08/29/2000 21:44
Matrix: Soil	QC-Batch: 2000/08/29-05.03

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Benzene	9.9	0.62	mg/Kg	1.00	08/29/2000 21:44	
Toluene	23	0.62	mg/Kg	1.00	08/29/2000 21:44	
Ethyl benzene	8.2	0.62	mg/Kg	1.00	08/29/2000 21:44	
Xylene(s)	37	0.62	mg/Kg	1.00	08/29/2000 21:44	
<b>Surrogate(s)</b> Trifluorotoluene	335.6	53-125	%	1.00	08/29/2000 21:44	sh

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-08-0546

To: ACC Environmental Consultants

Test Method: 8020  
8015M

Attn.: Dave DeMent

Prep Method: 5030

**Batch QC Report**  
Gas/BTEX (Methanol Extraction)

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2000/08/29-05.03</b>
MB: 2000/08/29-05.03-001		Date Extracted: 08/29/2000 07:53

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Benzene	ND	0.62	mg/Kg	08/29/2000 07:53	
Toluene	ND	0.62	mg/Kg	08/29/2000 07:53	
Ethyl benzene	ND	0.62	mg/Kg	08/29/2000 07:53	
Xylene(s)	ND	0.62	mg/Kg	08/29/2000 07:53	
<b>Surrogate(s)</b>					
4-Bromofluorobenzene	122.0	58-124	%	08/29/2000 07:53	

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Submission #: 2000-08-0546

To: ACC Environmental Consultants

Test Method: 8020  
8015M

Attn: Dave DeMent

Prep Method: 5030

## Batch QC Report

Gas/BTEX (Methanol Extraction)

Laboratory Control Spike (LCS/LCSD)	Soil	QC Batch # 2000/08/29-05.03
LCS: 2000/08/29-05.03-002	Extracted: 08/29/2000 08:23	Analyzed: 08/29/2000 08:23
LCSD: 2000/08/29-05.03-003	Extracted: 08/29/2000 08:53	Analyzed: 08/29/2000 08:53

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Benzene	0.132	0.133	0.125	0.125	105.6	106.4	0.8	77-123	35		
Toluene	0.133	0.135	0.125	0.125	106.4	108.0	1.5	78-122	35		
Ethyl benzene	0.131	0.134	0.125	0.125	104.8	107.2	2.3	70-130	35		
Xylene(s)	0.401	0.411	0.375	0.375	106.9	109.6	2.5	75-125	35		
<b>Surrogate(s)</b>											
Trifluorotoluene	587	580	500	500	117.4	116.0		53-125			

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-08-0546

To: ACC Environmental Consultants  
Attn: Dave DeMert

Test Method: 8020  
Prep Method: 5030

## Legend & Notes

Gas/BTEX (Methanol Extraction)

### Analyte Flags

sh

Surrogate recoveries were higher than QC limits due to matrix interference.



# CHROMALAB, INC.

1220 Quarry Lane • Pleasanton, California 94566-4756  
 (925) 484-1919 • Fax (925) 484-1096

Reference #: \_\_\_\_\_

## Chain of Custody

Environmental Services (SDB) (DOHS 1094)

DATE 8/29/00 PAGE 1 OF 1

PROJ MGR Dave Dement  
 COMPANY ACC Environmental  
 ADDRESS 7977 Capwell Drive  
Oakland CA 94621

AMPLERS (SIGNATURE) Neil Doran (PHONE NO.) 510-638-8400  
 (FAX NO.) -8104

### ANALYSIS REPORT

SAMPLE ID	DATE	TIME	MATRIX	PRESERV.	ANALYSIS REPORT													NUMBER OF CONTAINERS							
					TPH-EPA 8015, 8020 <input type="checkbox"/> Gas w/ <input type="checkbox"/> BTEX <input type="checkbox"/> MTBE	PURGEABLE AROMATICS BTEX (EPA 8020)	TPH-Diesel (EPA 8015M)	TEPH (EPA 8015M) <input type="checkbox"/> Diesel <input type="checkbox"/> M.L.O. <input type="checkbox"/> Other	PURGEABLE HALOCARBONS (HVOCs) (EPA 8010)	VOLATILE ORGANICS (VOCs) (EPA 8260)	SEMIVOLATILES (EPA 8270)	TOTAL OIL AND GREASE (SM 5520 B+F, E+F)	COMPOSITE	PESTICIDES (EPA 8080) <input type="checkbox"/> PCB'S (EPA 8080)	PNA's by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	<input type="checkbox"/> Spec. Cond. <input type="checkbox"/> TSS <input type="checkbox"/> TDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn		CAM 17 METALS (EPA 6010/7470/7471)	TOTAL LEAD	<input type="checkbox"/> WET (STLC) <input type="checkbox"/> TCLP	<input type="checkbox"/> Hexavalent Chromium <input type="checkbox"/> pH (24 hr hold time for H2O)	MTBE	24-Hr. RUSH	72-Hr. RUSH
T1-B1	8/28/00	1520	soil	cold	X	X																X	X		1
T1-B2	8/28/00	1530	soil	cold	X	X																X	X		1
T1-B3	8/28/00	1535	soil	cold	X	X																X		X	1
SP 1	8/28/00	1540	soil	cold	X	X																X	X		1
SP 2	8/28/00	1540	soil	cold	X	X																X	X		1
SP 3	8/28/00	1542	soil	cold	X	X																X	X		1
SP 4	8/28/00	1543	soil	cold	X	X																X	X		1

### PROJECT INFORMATION

### SAMPLE RECEIPT

PROJECT NAME: 00-6646-001-00  
 PROJECT NUMBER: 2526 Blanding  
 TOTAL NO. OF CONTAINERS: \_\_\_\_\_  
 HEAD SPACE: \_\_\_\_\_  
 TEMPERATURE: \_\_\_\_\_  
 CONFORMS TO RECORD: \_\_\_\_\_

RELINQUISHED BY 1. Neil Doran (SIGNATURE) (TIME) \_\_\_\_\_  
 (PRINTED NAME) (DATE) \_\_\_\_\_  
 (COMPANY) ACC

RELINQUISHED BY 2. \_\_\_\_\_ (SIGNATURE) (TIME) \_\_\_\_\_  
 (PRINTED NAME) (DATE) \_\_\_\_\_  
 (COMPANY) \_\_\_\_\_

RELINQUISHED BY 3. \_\_\_\_\_ (SIGNATURE) (TIME) \_\_\_\_\_  
 (PRINTED NAME) (DATE) \_\_\_\_\_  
 (COMPANY) \_\_\_\_\_

TAT STANDARD 5-DAY: 24 48 72 OTHER \_\_\_\_\_

SPECIAL INSTRUCTIONS/COMMENTS:  
 Report:  Routine  Level 2  Level 3  Level 4  Electronic Report  
 - Suspect Kerosene  
 - 24 Hr. RUSH T1-B1, T1-B2  
 - 72 Hr. RUSH the rest

RECEIVED BY 1. [Signature] 1310 (SIGNATURE) (TIME) \_\_\_\_\_  
 (PRINTED NAME) (DATE) \_\_\_\_\_  
 (COMPANY) \_\_\_\_\_

RECEIVED BY 2. \_\_\_\_\_ (SIGNATURE) (TIME) \_\_\_\_\_  
 (PRINTED NAME) (DATE) \_\_\_\_\_  
 (COMPANY) \_\_\_\_\_

RECEIVED BY (LABORATORY) 3. \_\_\_\_\_ (SIGNATURE) (TIME) \_\_\_\_\_  
 (PRINTED NAME) (DATE) \_\_\_\_\_  
 (LAB) \_\_\_\_\_