

ENVIRONMENTAL PROFILES, INC.

Site Assessments * Remedial Investigation Feasibility Studies * Soil and Water Sample Collection * Compaction Testing

REPORT

UNDERGROUND STORAGE TANK CLOSURE

Tanks LF5/6

Project 46591.CL
Ameriflight, Inc.
Oakland Airport, Hanger 2
9171 Earhart Road
Oakland, California 94621

Prepared For:

Mr. Mark Livingston
Armored Transport Inc.
3280 E. Foothill Boulevard, # 290
Pasadena, California 91107

Oakland City Fire Department
505 14th Street
Oakland, California 94612
attn: Hernan Gomez

Port of Oakland
530 Water Street
Jack London Square
P.O. Box 2064
Oakland, California 94604-2064

August 2, 1999

Environmental Profiles, Inc.

5480 Katella Avenue, Suite 211, Los Alamitos, CA 90720-2834 * (562)493-2190 * FAX (562)430-5177

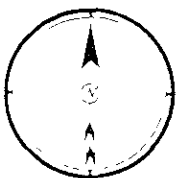
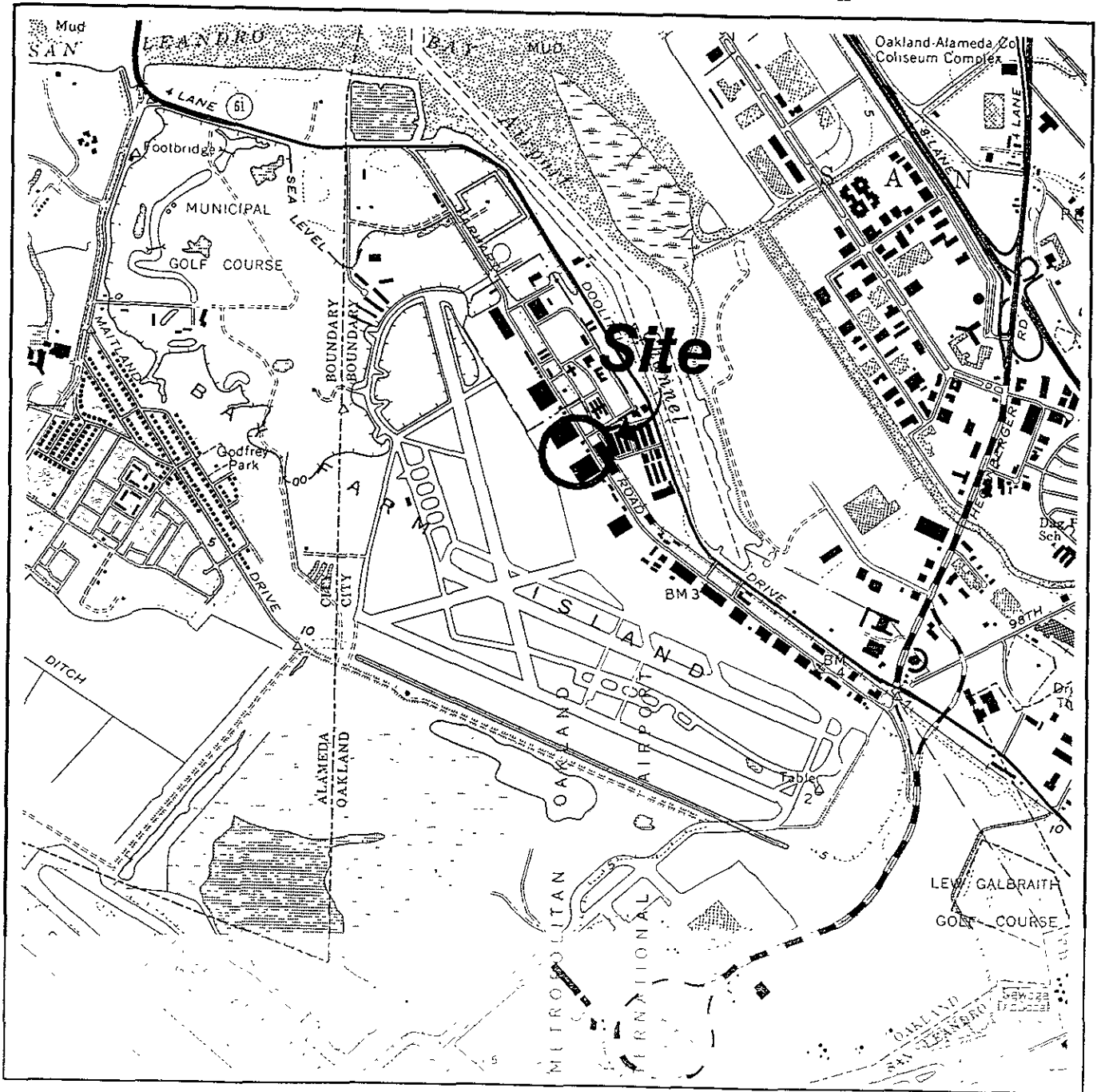
Project Name: Ameriflight, Inc. (Oakland)

Job#: 46591

Location: 9171 Earhart Road, Hangar 2, Oakland, California

Map Source: USGS 7.5 Minute Series, San Leandro Quadrangle, Photorevised 1980

Figure 1 - Area Map

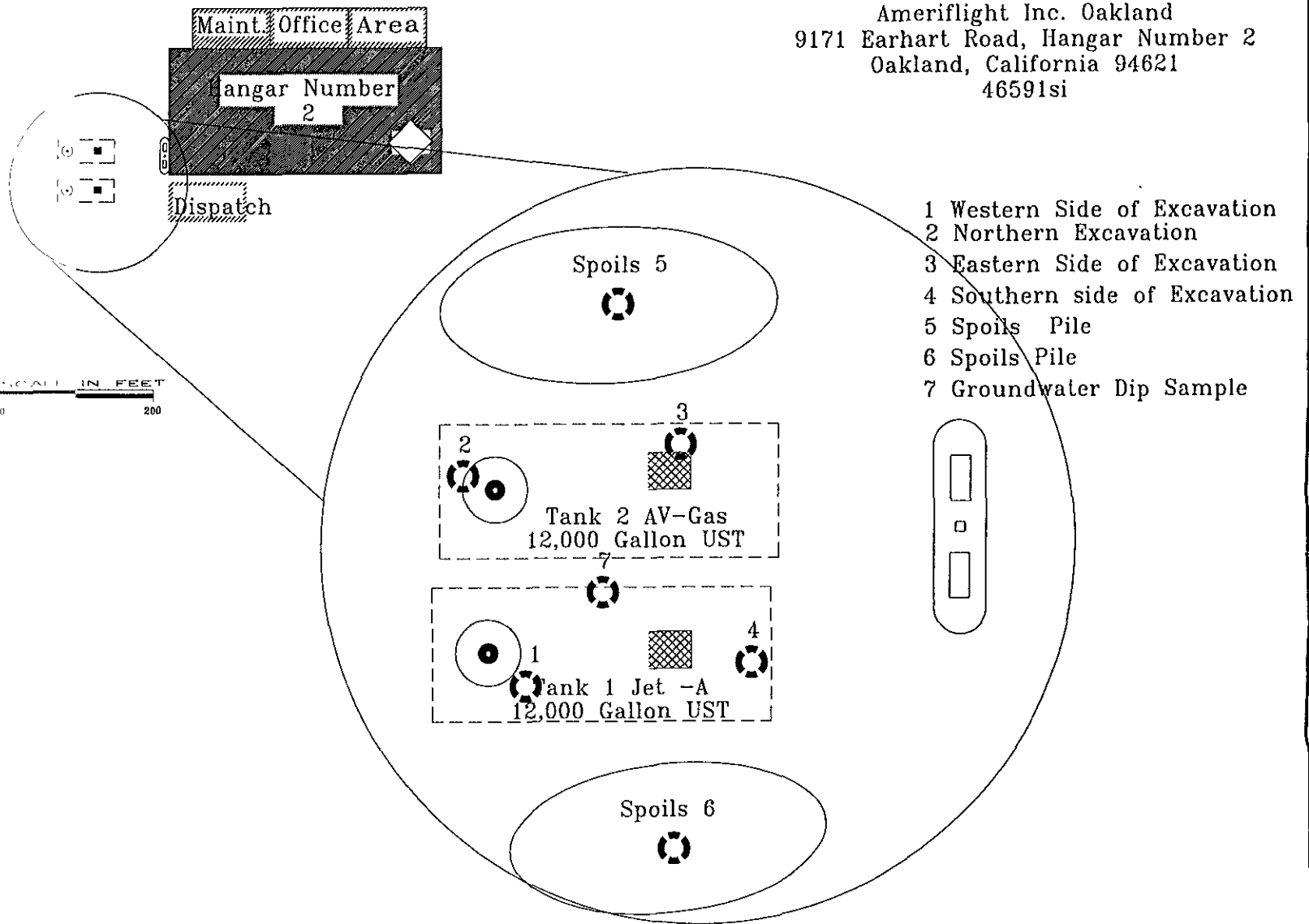


SCALE 1:24,000

QUADRANGLE LOCATION



Figure 2 - Site Diagram

Ameriflight Inc. Oakland
 9171 Earhart Road, Hangar Number 2
 Oakland, California 94621
 46591si



- 1 Western Side of Excavation
- 2 Northern Excavation
- 3 Eastern Side of Excavation
- 4 Southern side of Excavation
- 5 Spoils Pile
- 6 Spoils Pile
- 7 Groundwater Dip Sample

Legend

-  Sample Point
-  12,000 Gallon UST

Environmental Profiles, Inc.
 5180 Katella Avenue, Suite 211, Los Alamitos California
 (562) 491-2100** FAX (562) 430-5177

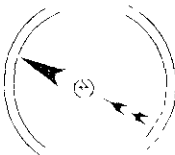


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1.0 INTRODUCTION

1.1 General

Environmental Profiles, Inc. (EPI) is pleased to submit this report documenting underground storage tank (UST) removal activities at the Oakland Airport Hanger Number 2 facility, Ameriflight Oakland (AMO), 9171 Earhart Road, Oakland, California (Figure 1 - Area Map).

AMO maintained two (2) 12,000 gallon USTs at the facility (Figure 2 - Site Map). As a measure of compliance with the Port of Oakland UST regulations, AMO elected to abandon by removal the UST installation.

2.0 BACKGROUND

2.1 Site Description

The Ameriflight Oakland facility is located at in the North Field complex at the Oakland International Airport, Oakland, California (Figure 1). The facility consists of a two large hanger used primarily for aircraft parking and maintenance, aircraft and car parking, underground storage tanks, dispensers and an overflow tank intended to catch fuel spillage during fuel truck fill operations.

2.2 Regional Geology

The site is located in the northeastern portion of the Bay Farm Island. The present-day Bay Farm Island is an alluviated lowland, which has been the site of predominately Recent valley fill material deposition. These alluviated lowlands are essentially a depositional feature. The peninsula is bounded on the northeast by the San Antonio Mountains, on the northwest by the San Francisco Bay, on the west by the City of Oakland, on the south by the San Leandro Marina, and on the east by the San Leandro.

2.3 Site Geology

Results of this EPI subsurface investigation indicate that stratigraphic units at both sites lie in the Quaternary Recent Alluvium (Qyal) silts, sands and gravels. The generalized soil stratigraphy is defined as follows:

From grade to 12 feet bgs - SILTS, saturated, dense, gray to black in color

From 12 feet to approximately 14 feet bgs - SILTS and SANDS, wet, medium stiff to stiff, low plasticity

2.4 Regional and Site Hydro geology

The site is hydro geologically located in the northeastern portion of the Bay Farm Island Hydro logic Subarea. The water bearing materials in this subarea are predominately composed of very permeable coarse detritus.

Ground water movement direction generally is in the direction of the hydraulic gradient which follows the slope of the ground water surface from areas of recharge to points of discharge. The regional direction of ground water flow is to the west.

2.5 Groundwater

Groundwater was encountered during UST removal activities and was determined to be approximately nine (9) feet below grade surface (bgs). The elevation of the facility is approximately 4 feet above mean sea level. Groundwater is believed to be largely brackish and unusable due to marine influence.

2.6 Permits

Removal of the UST installation was approved under City of Oakland Fire Department receipt # 94769. Removal of the UST installation occurred on November 11, 1998.

2.7 Reconstruction

Following UST removal, over-excavation and sampling activities, the site was restored to its pre-excavation state. The excavation was backfilled with imported base (3/4" crushed rock) material to approximately six (6) feet below grade surface (bgs), then backfilled and recompactd with clean fill to approximately eight (8) inches from grade. The excavation was finished to grade with approximately two (2) inches of road base followed by six (6) inches of asphalt top cover.

3.0 TANK REMOVAL

3.1 Tank Preparation

~~Prior to removal, the contents of the USTs were removed and the tank interiors triple rinsed and the rinsate evacuated. Manifests documenting the removal and disposal of the tank rinsate and tank certification receipts are presented in Appendix A - Regulatory Documentation.~~

Additionally, the tank atmospheres were monitored prior to removal utilizing an LEL (lower explosive limit) meter. On November 11, 1998 the USTs were removed and transferred to California Hazardous Services, Inc., Santa Clara, California for destruction.

3.2 UST Observations

The UST's were removed without incident. The UST's were found to be in good condition with no evidence of failure in either the tanks or associated piping.

All associated piping, as well as the dispenser island, and pump were also removed with the USTs. No visual soil discoloration, staining or petroleum odor was noted during the piping removal, while minor soil staining was evident at the dispenser. However, a slight sheen of product was noted in the excavation.

4.0 POST REMOVAL ACTIVITIES

4.1 UST Excavation Sampling

Immediately following the removal of the USTs and all ancillary piping a EPI civil engineer collected soil samples under the direction of Port of Oakland inspector Dale Klettke. Soil samples were collected from the UST excavation area, dispenser area and from the spoils pile. The sample location is depicted in Figure 2 - Sample Locations. Additionally a water grab sample was taken from the standing groundwater.

Samples were held in a chilled state under EPA Chain of Custody protocol for transport and subsequent laboratory chemical analyses to American Scientific Laboratories in Los Angeles, California. Based on site history samples were analyzed by the following methods:

- TPH reported as Semi Volatile Extractables, EPA Method 8015m/Fingerp, detection limit 10.0 mg/kg
- TPH reported as AVGAS, EPA Method 8015(M), detection limit 10 mg/kg.
- Organic Lead, EPA Method HMU-900, detection limit 0.05 mg/kg.
- Aromatic Volatile Organics, BTEX EPA Method 8020, detection limit varies.
- Aromatic Volatile Organics, MTBE, EPA Method 8020, detection limit 20.0 µg/kg

Results of the laboratory chemical analyses are summarized below in Table 1 - Laboratory Chemical Analysis Results, and are provided in Appendix B - Chain of Custody Record and Laboratory Chemical Analysis Results.

TABLE 1 - SUMMARY OF SOIL SAMPLE LABORATORY RESULTS								
Semi Volatile Extractables ^{C1-C8}								
Sample No.	Crude Oil mg/kg	Diesel mg/kg	Fuel Oil mg/kg	Heavy Oil mg/kg	Hydraulic oil mg/kg	Kerosene Jet Fuel mg/kg	Mineral Spirits mg/kg	Stoddard Solvent mg/kg
1	ND	ND	ND	ND	ND	ND	ND	ND
2	ND	ND	ND	240	ND	11400	ND	ND
3	ND	ND	ND	300	ND	ND	ND	ND
4	ND	ND	ND	ND	ND	ND	ND	ND
5	ND	ND	ND	ND	ND	ND	ND	ND
6	ND	ND	ND	ND	ND	ND	ND	ND
7- water	ND	ND	ND	ND	ND	19.9	ND	ND

**TABLE 1 - SUMMARY OF SOIL SAMPLE LABORATORY RESULTS
BTEX, MTBE and LEAD**

Sample No.	AV-GAS TPH mg/kg	MTBE ug/kg	BENZENE ug/kg	ETHYLBENZENE ug/kg	TOLUENE ug/kg	XYLENES	LEAD
1	ND	ND	ND	ND	ND	ND	ND
2	ND	ND	ND	4010	1440	6050	ND
3	852	ND	2140	500	146000	1800	1.44
4	ND	23	ND	10	17	55	ND
5	ND	ND	ND	ND	ND	ND	ND
6	ND	ND	ND	ND	ND	ND	ND
7- water	34000 <i>ug/l</i>	ND	ND	30	2580	138	0.25 <i>mg/l</i>

Notes: mg/kg/S = milligrams per kilogram in soil; ug/kg/S = micrograms per kilogram in soil; <5 = indicates concentration not detected above the noted detection limit

5.0 CONCLUSION

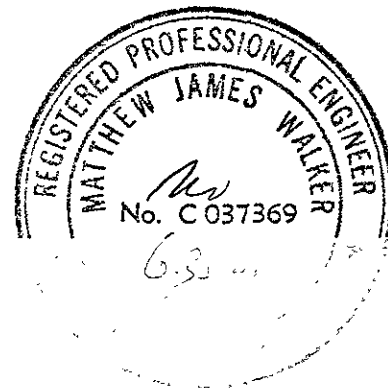
A minor impact has occurred to the site apparently resulting from the use of the tanks at the site. Due to the demonstrated minimal nature of the site contamination and water characteristics no further action is recommended at this time. The site work as reported has been performed in accordance with accepted guidelines for this type site investigation.

Should you have any questions, comments or require additional information regarding this project, please call (562) 493-2190 during normal hours. Thank you.

Prepared by:



Matthew J. Walker
California Civil Engineer 37369



Appendix A

Regulatory Documentation



ERICKSON Tank Processing JOB #: _____
TANK CERTIFICATION

***** PART 1 - To be completed by the Customer *****

CUSTOMER: Philip Serv. - Benicia GENERATOR: _____

State Waste Codes: 512

LOCATION: OAKLAND

EPA I.D.#: _____

EPA Waste Codes:
 None
 See Attached

TRANSPORTER: DSC/ATR.

MANIFEST #: 94839938

	TANK 1	TANK 2	TANK 3	TANK 4	TANK 5	TANK 6
TANK #:	<u>24569</u>	<u>24570</u>	_____	_____	_____	_____
CAPACITY:	<u>10K.</u>	<u>10K</u>	_____	_____	_____	_____
DIAMETER:	<u>8'</u>	<u>8'</u>	_____	_____	_____	_____
LENGTH:	<u>33'</u>	<u>33'</u>	_____	_____	_____	_____
STEEL GLASS:	<u>J-TA</u>	<u>AVGAS</u>	_____	_____	_____	_____
LAST CONTAINED:	<u>"</u>	<u>"</u>	_____	_____	_____	_____

LG = Leaded Gas, UG = Unleaded Gas, D = Diesel, UO = Used Oil, FO = Fuel Oil
Specify the material Last Contained if other than above.

ERICKSON, INC. TANK PROCESSING FACILITY
LAND DISPOSAL RESTRICTION NOTIFICATION FORM

The waste represented on this manifest is not generated by a chemical manufacturing plant, coke-by-product recovery plant of petroleum refinery. As such, it is not regulated under 40 CFR Part 61, Subpart FF (NESHAPS for Benzene Operations).

Pursuant to 40 CFR 268.7 I am notifying Erickson, Inc. that the material described by the above manifest is a nonwastewater, Non-RCRA hazardous waste and not currently subject to EPA Land Disposal Restrictions.

Pursuant to CCR 22 66268.7 I am notifying Erickson, Inc. that the material described by the manifest is a metal containing Non-RCRA solid hazardous waste (66268.29(g)), and an organics containing Non-RCRA solid hazardous waste (66268.29(k)). The treatment standards for these wastes have been repealed. This waste is no longer subject to land disposal restrictions.

I am an authorized agent/representative of the generator. I certify that all information submitted in this and associated documents is complete and accurate to the best of my knowledge. The tanks on the transport equipment have been numbered to correspond with the information provided above. In the event that the tanks do not correspond to the form, I will pay any and all costs incurred in rectifying the discrepancy(ies) between the tank(s) and the form. In the event that the tank(s) contain excessive solids or liquids, I agree to pay the cost of preparation, transportation and disposal/recycling of the excess material according to the schedule of charges in effect at the time of receipt of the tank(s). Further, I will not hold Erickson, Inc. responsible for any damage to tanks which occurs after the tanks are removed from the group.

AUTHORIZED REPRESENTATIVE

SIGNATURE: [Signature]

DATE: 11/11/98

PRINT NAME: Rudy A. Covelas

TITLE: Supervisor

For assistance in completing this form, please contact Karen Ruffin at (510) 970-7463.

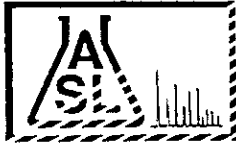
IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9802. WITHIN CALIFORNIA, CALL 1-800-852-7550.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1098364918931919319	Manifest Document No. 31919319	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address DMITRI FLIGHT 7171 EARHART RD OAKLAND CA 94641						
4. Generator's Phone (510) 506-6000						
5. Transporter 1 Company Name ALL WASTE TRANSPORTATION REMEDIATION INC			6. US EPA ID Number CA101019141613191			
7. Transporter 2 Company Name			8. US EPA ID Number			
9. Designated Facility Name and Site Address ERICKSON INC 355 PARK BLVD RICHMOND CA 94801			10. US EPA ID Number CA101019141613191			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. NON-RCRA HAZARDOUS WASTE SOLID WASTE - EMPTY STORAGE TANK		12. Containers		13. Total	14. Unit	
		No.	Type	Quantity	Wt/Vol	
15. Special Handling Instructions and Additional Information KEEP AWAY FROM SOURCES OF IGNITION ALWAYS WEAR HARD HATS WHEN WORKING AROUND US ST. 2442 CONTACT NAME PHONE						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this assignment 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 Endy W. Knecht		Signature <i>[Signature]</i>		Month	Day	Year
				11	11	98
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name LEE NECKER		Signature <i>[Signature]</i>		Month	Day	Year
				11	11	98
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

Appendix B

Chain of Custody and Laboratory Chemical Analysis Results



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Environmental Profiles, Inc.
5480 Katella Ave., Suite 211
Los Alamitos, CA 90720-2834

Number of Pages: 19
Date Received : 11/24/98
Date Reported : 12/04/98

Attn : Matthew Walker
Phone: 562/493-2190

ASL Job Number: 4117

Project Name : Ameriflight, Oakland
Project Number : P.O.#46591

Enclosed are the results of analyses on 6 soil & 1 water samples analyzed as specified on attached chain of custody.

Checked By

Walker

Approved By

Robert G. Araghi
ROBERT G. ARAGHI
LABORATORY DIRECTOR

Date: 11/11/98

Chain-of-Custody

Proj Name: AMERIFlight, Oakland Proj #: 46591

Turn-Around-Time
 Routine
 48 hours
 24 hours

Sample Information										Lab Analysis				Lab Use Only	
Sample ID	Location/Description	Date	Time	Soil	Water	Air	No. of Containers	418.1	100LL AVG AS	8020	TPH (Jet-A)	Organic Lead	Other	<input type="checkbox"/> Received Chilled	<input type="checkbox"/> Received Sealed
#1	Western side of excavation	11/11	1:00	✓			1				✓	✓	✓		28282
#2	Northern excavation	11/11	1:15	✓			1				✓	✓	✓		28283
#3	Eastern side of excavation	11/11	1:30	✓			1				✓	✓	✓		28284
#4	Southern side of excavation	11/11	1:45	✓			1				✓	✓	✓		28285
#5	Spools	11/11		✓			1				✓	✓	✓		28286
#6	Spools	11/11		✓			1				✓	✓	✓		28287
#7	Groundwater dip sample	11/11			✓		3				✓	✓	✓		28288

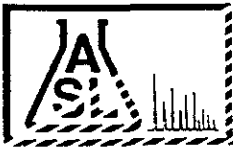
Notes/Comments: #1-4 taken 6 feet below grade, taken out of native soil
 all for 100 Low Lead - AVG AS, TPH (Jet-A) and organic lead

Relinquished by (Signature) <u>Murray Martinez</u>	Date/Time <u>11/24 12:55</u>	Received by: (Signature)	Date/Time
Company <u>JEPT</u>		Company:	

Relinquished by (Signature)	Date/Time	Received by: (Signature)	Date/Time
Company		Company:	

Received By Lab (Signature) <u>Raymond</u>	Date/Time <u>11/24 12:50</u>
Laboratory:	

Environmental Profiles, Inc.
 5480 Katella, Suite 211
 Los Alamitos, California 90720-2823
 (562) 493-2190 88 FAX (562) 430-5177



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4117
Project ID: P.O.#46591
Project Name: Ameriflight, Oakland

Page: 2

Report To: (ENVPRF)
Environmental Profiles, Inc.
5480 Katella Ave., Suite 211
Los Alamitos, CA 90720-2834

Attn: Matthew Walker

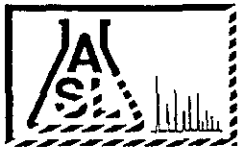
Phone: 562/493-2190

Method:	(8015M/FINGERP) TPH Fingerprints (Semivolatile Extractables)			
Matrix:	Soil			
Units:	mg/kg			
Lab ID:	28282	28283	28284	
Sample No:	#1	#2	#3	
Date Sampled:	11/11/98	11/11/98	11/11/98	
Date Extracted:	11/25/98	11/25/98	11/25/98	Detection
Date Analyzed:	11/25/98	11/25/98	11/25/98	Limit
Crude Oil	ND	ND	ND	10
Diesel	ND	ND	ND	10
Fuel Oil	ND	ND	ND	10
Heavy Oil	ND	240	300	10
Hydraulic Oil	ND	ND	ND	10
Kerosene/Jet Fuel	ND	11400	ND	10
Mineral Spirits	ND	ND	ND	10
Stoddard Solvent	ND	ND	ND	10

Quality Control Report

Lab ID:	28282	28283	28284
<u>Surrogate %REC.</u>			
Chlorobenzene	116	113	107
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	105	104	< 1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4117
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Page: 3

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Attn: Matthew Walker

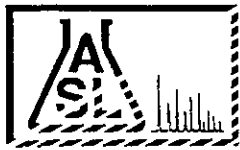
Phone: 562/493-2190

Method:	(8015M/FINGERP)			
Matrix:	TPH Fingerprints (Semivolatile Extractables)			
Units:	Soil mg/kg			
Lab ID:	28285	28286	28287	
Sample No:	#4	#5	#6	
Date Sampled:	11/11/98	11/11/98	11/11/98	
Date Extracted:	11/25/98	11/25/98	11/25/98	Detection
Date Analyzed:	11/25/98	11/25/98	11/25/98	Limit
Crude Oil	ND	ND	ND	10
Diesel	ND	ND	ND	10
Fuel Oil	ND	ND	ND	10
Heavy Oil	ND	ND	ND	10
Hydraulic Oil	ND	ND	ND	10
Kerosene/Jet Fuel	ND	ND	ND	10
Mineral Spirits	ND	ND	ND	10
Stoddard Solvent	ND	ND	ND	10

Quality Control Report

Lab ID:	28285	28286	28287
<u>Surrogate %REC.</u>			
Chlorobenzene	117	111	110
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	105	104	< 1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4117
 Project ID: P.O.#46591
 Project Name: Ameriflight, Oakland

Page: 4

Report To: (ENVPRF)
 Environmental Profiles, Inc.
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Attn: Matthew Walker

Phone: 562/493-2190

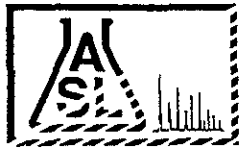
Method:	/8015MOD/ TPH as Aviation Gas	
Matrix:	Soil	
Units:	mg/kg	
Lab ID:	28282	
Sample No:	#1	
Date Sampled:	11/11/98	
Date Extracted:	11/25/98	Detection
Date Analyzed:	11/25/98	Limit

8015M		
Aviation Gas	ND	1.0

Quality Control Report

Lab ID:	28282		
<u>Surrogate %REC.</u>			
Bromofluorobenzene	86		
	<u>Spike</u>	<u>Spike DUP.</u>	<u>AVG.</u>
	<u>%REC.</u>	<u>%REC.</u>	<u>RPD</u>
Benzene	93	93	< 1
Toluene	96	96	< 1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4117
 Project ID: P.O.#46591
 Project Name: Ameriflight, Oakland

Page: 5

Report To: (ENVPRF)
 Environmental Profiles, Inc.
 5480 Katella Ave., Suite 211
 Los Alamitos, CA 90720-2834

Attn: Matthew Walker

Phone: 562/493-2190

Method: /8015MOD/
 TPH as Aviation Gas
 Matrix: Soil
 Units: mg/kg
 Lab ID: 28283
 Sample No: #2
 Date Sampled: 11/11/98
 Date Extracted: 11/25/98
 Date Analyzed: 11/25/98

Detection
 Limit

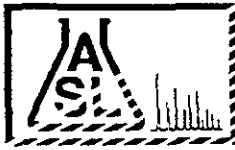
8015M		
Aviation Gas	ND	10

Quality Control Report

Lab ID:	28283		
Surrogate %REC.			
Bromofluorobenzene	116		
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	93	93	< 1
Toluene	96	96	< 1

Comment to Sample(s)
 28283. Regular Gasoline Detected= 824mg/kg

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
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5480 Katella Ave., Suite 211
Los Alamitos, CA 90720-2834

Attn: Matthew Walker

Phone: 562/493-2190

Method:	/8015MOD/ TPH as Aviation Gas	
Matrix:	Soil	
Units:	mg/kg	
Lab ID:	28284	
Sample No:	#3	
Date Sampled:	11/11/98	
Date Extracted:	11/25/98	Detection
Date Analyzed:	11/30/98	Limit

8015M Aviation Gas	852	100
-----------------------	-----	-----

Quality Control Report

Lab ID:	28284		
Surrogate %REC. Bromofluorobenzene	93		
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	93	94	1.1
Toluene	93	95	2.1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4117
 Project ID: P.O.#46591
 Project Name: Ameriflight, Oakland

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Report To: (ENVPRF)
 Environmental Profiles, Inc.
 5480 Katella Ave., Suite 211
 Los Alamitos, CA 90720-2834

Attn: Matthew Walker

Phone: 562/493-2190

Method:	/8015MOD/ TPH as Aviation Gas			
Matrix:	Soil			
Units:	mg/kg			
Lab ID:	28285	28286	28287	
Sample No:	#4	#5	#6	
Date Sampled:	11/11/98	11/11/98	11/11/98	
Date Extracted:	11/25/98	11/25/98	11/25/98	Detection
Date Analyzed:	11/25/98	11/25/98	11/25/98	Limit

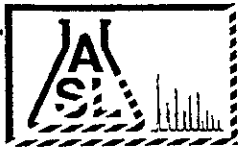
8015M Aviation Gas	ND	ND	ND	1.0
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Quality Control Report

Lab ID:	28285	28286	28287
Surrogate %REC. Bromofluorobenzene	116	105	101
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	93	93	< 1
Toluene	96	96	< 1

Comment to Sample(s)
 28285: Regular Gasoline Detected= 4.6mg/kg

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

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 Project Name: Ameriflight, Oakland

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Report To: (ENVPRF)
 Environmental Profiles, Inc.
 5480 Katella Ave., Suite 211
 Los Alamitos, CA 90720-2834

Attn: Matthew Walker

Phone: 562/493-2190

Method: 8015M/FINGERPRNT
 TPH Fingerprint (Semivolatile Extractables)
 Matrix: Water
 Units: mg/L
 Lab ID: 28288
 Sample No: #7
 Date Sampled: 11/11/98
 Date Extracted: 12/01/98
 Date Analyzed: 12/01/98

Detection
 Limit

Crude Oil	ND	3
Diesel	ND	3
Fuel Oil	ND	3
Heavy Oil	ND	3
Hydraulic Oil	ND	3
Kerosene/Jet Fuel	19.9	3
Mineral Spirits	ND	3
Stoddard Solvent	ND	3

Quality Control Report

Lab ID: 28288

Surrogate %REC.
 Chlorobenzene 103

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	91	92	1.1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4117
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Project Name: Ameriflight, Oakland

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Report To: (ENVPRF)
Environmental Profiles, Inc.
5480 Katella Ave., Suite 211
Los Alamitos, CA 90720-2834

Attn: Matthew Walker

Phone: 562/493-2190

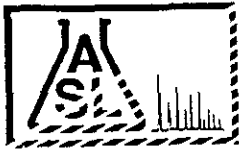
Method:	{8015MOD}	
Matrix:	TPH as Aviation Gas	
Units:	Water	
	ug/L	
Lab ID:	28288	
Sample No:	#7	
Date Sampled:	11/11/98	
Date Extracted:	12/01/98	Detection
Date Analyzed:	12/01/98	Limit

8015M		
Aviation Gas	34000	5000

Quality Control Report

Lab ID:	28288		
Surrogate %REC.			
Bromofluorobenzene	101		
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	94	94	< 1
Toluene	94	96	2.1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

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ASL Job No: 4117
 Project ID: P.O.#46591
 Project Name: Ameriflight, Oakland

Report To: (ENVPRF)
 Environmental Profiles, Inc.
 5480 Katella Ave., Suite 211
 Los Alamitos, CA 90720-2834

Attn: Matthew Walker

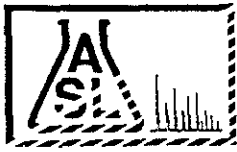
Phone: 562/493-2190

Method:	(HMU-900) Organic Lead			
Matrix:	Soil			
Units:	mg/kg			
Lab ID:	28282	28283	28284	
Sample No:	#1	#2	#3	
Date Sampled:	11/11/98	11/11/98	11/11/98	Detection
Date Extracted:	11/25/98	11/25/98	11/25/98	Limit
Date Analyzed:	11/30/98	11/30/98	11/30/98	
Organic Lead	ND	ND	1.44	0.5

Quality Control Report

	LCS %REC.
Organic Lead	97

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

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ASL Job No: 4117
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Report To: (ENVPRF)
Environmental Profiles, Inc.
5480 Katella Ave., Suite 211
Los Alamitos, CA 90720-2834

Attn: Matthew Walker

Phone: 562/493-2190

Method:	(HMU-900)			
	Organic Lead			
Matrix:	Soil			
Units:	mg/kg			
Lab ID:	28285	28286	28287	
Sample No:	#4	#5	#6	
Date Sampled:	11/11/98	11/11/98	11/11/98	
Date Extracted:	11/25/98	11/25/98	11/25/98	Detection
Date Analyzed:	11/30/98	11/30/98	11/30/98	Limit
Organic Lead	ND	ND	ND	0.5

Quality Control Report

	LCS
	%REC.
Organic Lead	97

ND - Not Detected at The Detection Limit



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Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4117
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 Project Name: Ameriflight, Oakland

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Report To: (ENVPRF)
 Environmental Profiles, Inc.
 5480 Katella Ave., Suite 211
 Los Alamitos, CA 90720-2834

Attn: Matthew Walker

Phone: 562/493-2190

Method:	HMU-900	} DHS Extracted in MEK •	11/14/98
Matrix:	Organic Lead		
Units:	Water mg/L		
Lab ID:	28288		
Sample No:	#7		
Date Sampled:	11/11/98		
Date Extracted:	11/25/98		Detection
Date Analyzed:	11/30/98		Limit

Organic Lead	0.250	0.025
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Quality Control Report

	LCS
	%REC.
Organic Lead	97

ND - Not Detected at The Detection Limit



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Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4117
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Report To: (ENVPRF)
Environmental Profiles, Inc.
5480 Katella Ave., Suite 211
Los Alamitos, CA 90720-2834

Attn: Matthew Walker

Phone: 562/493-2190

Method: [8020.BETX]
Aromatic Volatile Organics & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 28282
Sample No: #1
Date Sampled: 11/11/98
Date Extracted: 11/25/98
Date Analyzed: 11/25/98

Detection
Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	ND	20

Quality Control Report

Lab ID: 28282

Surrogate %REC.
Bromofluorobenzene 86

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	93	93	< 1
Toluene	960	96	< 1

ND - Not Detected at The Detection Limit



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Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4117
Project ID: P.O.#46591
Project Name: Ameriflight, Oakland

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Report To: (ENVPRF)
Environmental Profiles, Inc.
5480 Katella Ave., Suite 211
Los Alamitos, CA 90720-2834

Attn: Matthew Walker

Phone: 562/493-2190

Method: [8020.BETX]
Aromatic Volatile Organics & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 28283
Sample No: #2
Date Sampled: 11/11/98
Date Extracted: 11/25/98
Date Analyzed: 11/25/98

Detection
Limit

Benzene	ND	50
Ethylbenzene	4010	50
Toluene	1440	50
Xylenes (Total)	6050	100
MTBE	ND	200

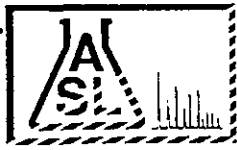
Quality Control Report

Lab ID: 28283

Surrogate %REC.
Bromofluorobenzene 116

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	93	93	< 1
Toluene	960	96	< 1

ND - Not Detected at The Detection Limit



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ANALYTICAL RESULTS

ASL Job No: 4117
Project ID: P.O.#46591
Project Name: Ameriflight, Oakland

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Report To: (ENVPRF)
Environmental Profiles, Inc.
5480 Katella Ave., Suite 211
Los Alamitos, CA 90720-2834

Attn: Matthew Walker

Phone: 562/493-2190

Method: [8020.BETX]
Aromatic Volatile Organics & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 28284
Sample No: #3
Date Sampled: 11/11/98
Date Extracted: 11/25/98
Date Analyzed: 11/30/98

Detection
Limit

Benzene	2140	500
Ethylbenzene	500	500
Toluene	146000	500
Xylenes (Total)	1800	1000
MTBE	ND	2000

Quality Control Report

Lab ID: 28284

Surrogate %REC.
Bromofluorobenzene 93

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	93	94	1 1
Toluene	93	95	2 1

ND - Not Detected at The Detection Limit



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ASL Job No: 4117
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Report To: (ENVPRF)
Environmental Profiles, Inc.
5480 Katella Ave., Suite 211
Los Alamitos, CA 90720-2834

Attn: Matthew Walker

Phone: 562/493-2190

Method: [8020.BETX]
Aromatic Volatile Organics & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 28285
Sample No: #4
Date Sampled: 11/11/98
Date Extracted: 11/25/98
Date Analyzed: 11/25/98

Detection
Limit

Benzene	ND	5
Ethylbenzene	10	5
Toluene	17	5
Xylenes (Total)	55	10
MTBE	23	20

Quality Control Report

Lab ID: 28285

Surrogate %REC.
Bromofluorobenzene 116

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	93	93	< 1
Toluene	96	96	< 1

ND - Not Detected at The Detection Limit



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Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4117
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Report To: (ENVPRF)
 Environmental Profiles, Inc.
 5480 Katella Ave., Suite 211
 Los Alamitos, CA 90720-2834

Attn: Matthew Walker

Phone: 562/493-2190

Method: [8020.BETX]
 Aromatic Volatile Organics & MTBE
 Matrix: Soil
 Units: ug/kg
 Lab ID: 28286
 Sample No: #5
 Date Sampled: 11/11/98
 Date Extracted: 11/25/98
 Date Analyzed: 11/25/98

Detection
 Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	ND	20

Quality Control Report

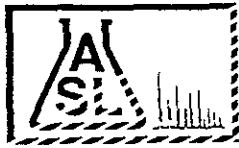
Lab ID: 28286

Surrogate %REC.
 Bromofluorobenzene 105

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	93	93	< 1
Toluene	96	96	< 1

Analytic

ND - Not Detected at The Detection Limit



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Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4117
Project ID: P.O.#46591
Project Name: Ameriflight, Oakland

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Report To: (ENVPRF)
Environmental Profiles, Inc.
5480 Katella Ave., Suite 211
Los Alamitos, CA 90720-2834

Attn: Matthew Walker

Phone: 562/493-2190

Method: [8020.BETX]
Aromatic Volatile Organics & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 28287
Sample No: #6
Date Sampled: 11/11/98
Date Extracted: 11/25/98
Date Analyzed: 11/25/98

Detection
Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	ND	20

Quality Control Report

Lab ID: 28287

Surrogate %REC.
Bromofluorobenzene 101

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	93	93	< 1
Toluene	95	95	< 1

ND - Not Detected at The Detection Limit



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Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4117
Project ID: P.O.#46591
Project Name: Ameriflight, Oakland

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Report To: (ENVPRF)
Environmental Profiles, Inc.
5480 Katella Ave., Suite 211
Los Alamitos, CA 90720-2834

Attn: Matthew Walker

Phone: 562/493-2190

Method: 8020 [BETX]
Aromatic Volatile Organics & MTBE
Matrix: Water
Units: ug/L
Lab ID: 28288
Sample No: #7
Date Sampled: 11/11/98
Date Extracted: 12/01/98
Date Analyzed: 12/01/98

Detection
Limit

Benzene	32	30
Ethylbenzene	30	30
Toluene	2580	30
Xylenes (Total)	138	60
MTBE	ND	200

Quality Control Report

Lab ID: 28288

Surrogate %REC.
Bromofluorobenzene 101

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	94	94	< 1
Toluene	94	96	2.1

ND - Not Detected at The Detection Limit

Appendix C

Photo Record of Removal

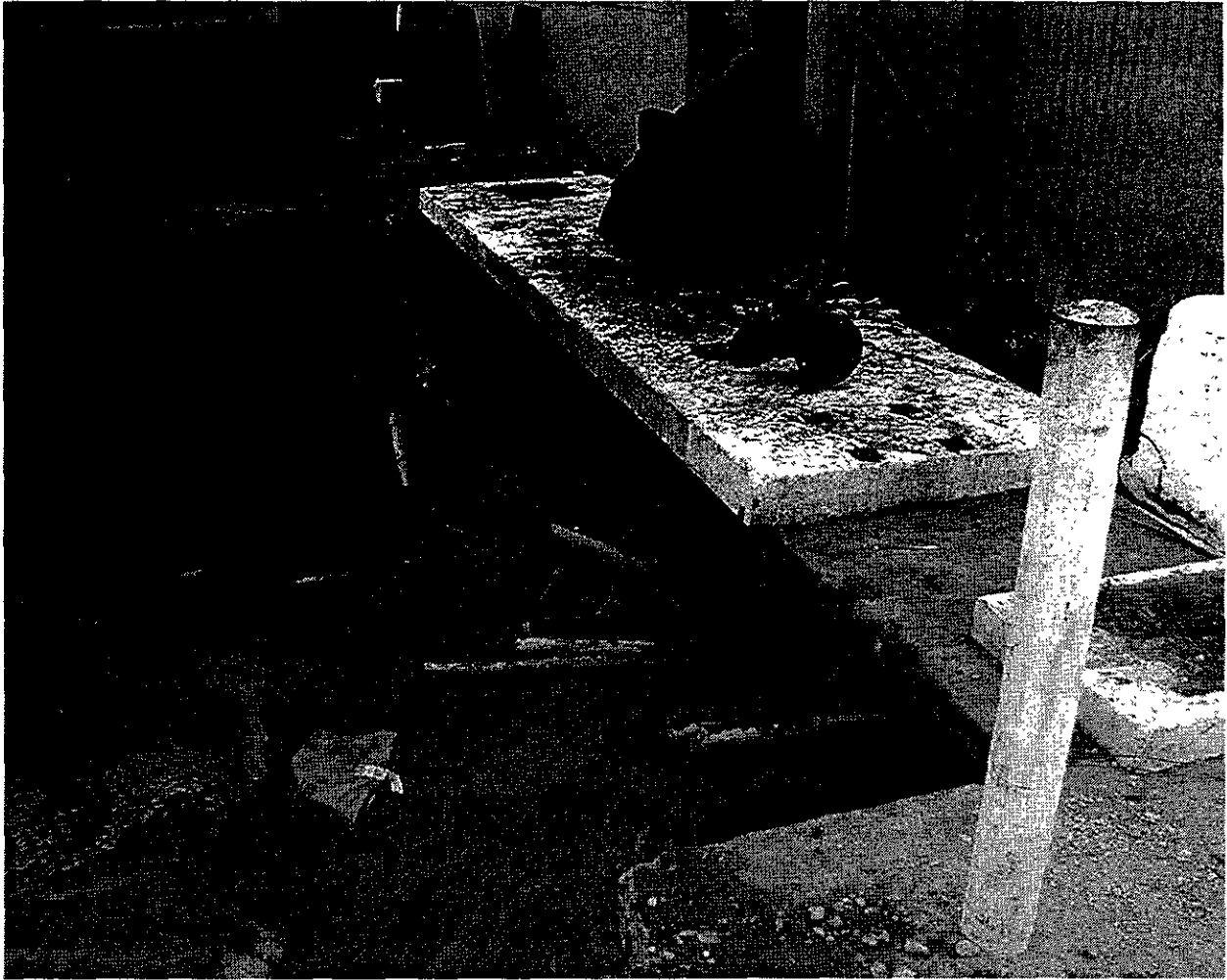


Figure 1 - Dispenser end of tank installation. Collapse is evident toward the hanger area precluding any additional excavation for sampling purposes.



Figure 2 - Waterline of tank excavation shows the change of soil types in the sidewall excavation. Also a froth on the water surface is indicative of organic material breakdown.



Figure 3 - The tanks were in very good condition. The water line on the tank indicates that the water level fluctuated; probably due to tidal action.