



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

Mariner Development Co.  
2236 Mariner Sq. Drive  
Alameda, CA 94501

Date: 17-FEB-95  
Lab Job Number: 119800  
Project ID: N/A  
Location: N/A

Reviewed by: Tracy Baker

Reviewed by: [Signature]

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Curtis &amp; Tompkins, Ltd.

LABORATORY NUMBER: 119800  
 CLIENT: MARINER DEVELOPEMENT CO.  
 BATCH NO.: 19005

DATE SAMPLED: 02/03/95  
 DATE RECEIVED: 02/03/95  
 DATE EXTRACTED: 02/10/95  
 DATE ANALYZED: 02/13/95  
 DATE REPORTED: 02/17/95

Extractable Petroleum Hydrocarbons in Soils & Wastes  
 California DOHS Method  
 LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT (mg/Kg)
119800-005	COMP-(1-4)	ND	ND	10
METHOD BLANK	N/A	ND	ND	1

ND = Not detected at or above reporting limit; reporting limit applies to all analytes.

QA/QC SUMMARY: MS/MSD

RPD, %	10
RECOVERY, %	84



Client: Mariner Development Co.

Laboratory Login Number: 119800

Report Date: 17 February 95

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
119800-005	COMP-(1-4)	Soil	03-FEB-95	03-FEB-95	13-FEB-95	150	mg/Kg	5	TR	19033

ND = Not Detected at or above Reporting Limit (RL).



## Q C B a t c h R e p o r t

Client: Mariner Development Co.

Laboratory Login Number: 119800

Report Date: 17 February 95

ANALYSIS: Hydrocarbon Oil &amp; Grease (Gravimetric)

QC Batch Number: 19033

## Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	5	mg/Kg	SMWW 17:5520EF	13-FEB-95

## Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	82%	SMWW 17:5520EF	13-FEB-95
BSD	90%	SMWW 17:5520EF	13-FEB-95


		Control Limits
Average Spike Recovery	86%	80% - 120%
Relative Percent Difference	9.0%	< 20%

1198 00

# CHAIN OF CUSTODY FORM

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**Curtis & Tompkins, Ltd.**  
 2323 Fifth Street  
 Berkeley, CA 94710  
 (510) 486-0900 Phone  
 (510) 486-0532 Fax



Sampler: M. MAY

Report to: STAN KINTZ

Analyses

Project No: \_\_\_\_\_

Company: MARINER DEVELOPMENT CO

Project Name: \_\_\_\_\_

Telephone: 510 521-2727

Turnaround Time: 10 DAY

Fax: 510-523-0391

Laboratory Number	Sample ID.	Sampling Date	Time	Matrix			# of Containers	Preservative				Field Notes
				Soil	Water	Waste		HCL	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	ICE	
	#1	2-3-95		X			4					
	#2											
	#3											
	#4											
	COMP											

TEH, DIESEL, KEROSENE  
OIL GREASE

NOTES: COMPOSITE EACH IN EQUAL AMOUNTS FOR 1 SAMPLE TO ANALYZE. ADJACENT TO 2204 MARINER SQ. LOOP.

MARINER DEVELOPMENT CO.  
2236 MARINER SQ. DRIVE  
ALAMEDA, CA. 94501

RELINQUISHED BY:

[Signature]  
DATE/TIME  
DATE/TIME  
DATE/TIME

RECEIVED BY:

Michael May 2-3-95  
10:30  
DATE/TIME  
DATE/TIME  
DATE/TIME

Signature on this form constitutes a firm purchase order for the services requested above.

P.6

FLB 27 '95 17:41