

# FAX COVER SHEET

**DATE:** August 30, 1995      **TIME:** 10:38 AM  
**TO:** Robert Weston      **PHONE:** (510)  
    **FAX:** (510) 337-9335  
**FROM:** Katherine M. Howard      **PHONE:** (408) 479-8097  
    **FAX:** (408) 479-8770

**RE: 461 MCGRAW AVENUE, LIVERMORE, CA**

Dear Mr. Weston,

Following are the laboratory results for tank removal activities conducted at the subject site.

Sincerely,

Remediation Risk Management, Inc.

Katherine M. Howard  
Project Coordinator

- ① includes site plan to show where S.S. was collected.
- ② where was S-4 collected from
- ③ what became of stockpiled soil
- ④ where are results of water sample?

# Hull Development Labs, Inc.

CA ELAP# 1369

525 Del Rey Avenue • Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Attn: Chris Peoples  
Remediation Risk Management  
P.O. Box 1362  
Aptos, CA 95001

Date:	8/7/95
Date Received:	7/25/95
Date Analyzed:	8/3/95
Project:	CE82
Sampled By:	Client

## Certified Analytical Report

### Soil Sample Analysis:

Test	S1	S2	S3	Units	MDL	EPA Method #
Sample Matrix	Soil	Soil	Soil			
Sample Date	7/25/95	7/25/95	7/25/95			
Sample Time	1310	1315	1320			
Lab #	B7444	B7445	B7446			
DF-Motor Oil	1	1	1			
Motor Oil	ND	ND	ND	mg/kg	1.0 mg/kg	8015M
DF-Diesel	1	1	1			
TPH-Diesel	ND	ND	ND	mg/kg	1.0 mg/kg	8015M
DF-BTEX	1	1	1			
Benzene	ND	ND	ND	mg/kg	0.005 mg/kg	8020
Toluene	ND	ND	ND	mg/kg	0.005 mg/kg	8020
Ethyl Benzene	ND	ND	ND	mg/kg	0.005 mg/kg	8020
Xylenes	ND	ND	ND	mg/kg	0.005 mg/kg	8020

1. PQL=DF x MDL
2. Analysis performed by: Hull Development Labs, Inc. (CAELAP #1369)



Michael N. Golden, Lab Director

DF=Dilution Factor  
MDL=Method Detection Limit

PQL=Practical Quantitation Limit  
ND=None Detected at or above PQL

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Date:	8/7/95
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Project:	CE82
Sampled By:	Client

## Certified Analytical Report

### Soil Sample Analysis:

Test	SD1	SD2	SD3	Units	MDL	EPA Method #
Sample Matrix	Soil	Soil	Soil			
Sample Date	7/25/95	7/25/95	7/25/95			
Sample Time	1325	1330	1335			
Lab #	B7447	B7448	B7449			
DF-Motor Oil	1	1	1			
Motor Oil	60	100	ND	mg/kg	1.0 mg/kg	8015M
DF-Diesel	1	1	1			
TPH-Diesel	ND	ND	ND	mg/kg	1.0 mg/kg	8015M
DF-BTEX	1	1	1			
Benzene	ND	ND	ND	mg/kg	0.005 mg/kg	8020
Toluene	ND	ND	ND	mg/kg	0.005 mg/kg	8020
Ethyl Benzene	ND	ND	ND	mg/kg	0.005 mg/kg	8020
Xylenes	ND	ND	ND	mg/kg	0.005 mg/kg	8020

1. PQL=DF x MDL
2. Analysis performed by Hull Development Labs, Inc. (CAELAP #1369)



Michael N. Golden, Lab Director

DF=Dilution Factor  
MDL=Method Detection Limit

PQL=Practical Quantitation Limit  
ND=None Detected at or above PQL

HULL DEVELOPMENT LABS INC.

525 Del Rey Avenue, Suite E  
Sunnyvale, CA 94086QUALITY CONTROL RESULTS SUMMARY  
FOR DIESEL ANALYSIS

## DIESEL

QC sample No.: BLANK SPIKE & DUP      Date analyzed: 07-25-95  
 Date extracted: 07-24-95  
 QC batch: DS079508

Matrix: SOIL

Units: mg/Kg

Dilution factor: 1

COMPOUND	SA	SR	MS	MS	MSD	MSD	RPD	QC LIMITS (ADVISORY)	
	mg/Kg	mg/Kg	mg/Kg	PR	mg/Kg	PR		RPD	PR
DIESEL	25	0	20	80	18	72	11	25	50-150

MS = Spike sample

NC = Not calculated

MSD = Spike sample duplicate

SR = Sample result

\*\* = Out of limits

SA = Spike added

$$RPD = 100 \times (MS - MSD) / ((MS + MSD) / 2)$$

$$PR = 100 \times ((MS \text{ or } MSD) - SR) / SA$$

HULL DEVELOPMENT LABS INC.

525 Del Rey Avenue suite E  
Sunnyvale, CA 94086QUALITY CONTROL RESULTS SUMMARY  
BTEX

QC sample No.: BLANK SPIKE &amp; DUP Date analyzed: 07-31-95

Matrix: WATER

Units: ug/L

Dilution factor: 1

COMPOUND	SA	SR	MS	MS	MSD	MSD	RPD	QC LIMITS (ADVISORY)	
	ug/L	ug/L	ug/L	PR	ug/L	PR		RPD	PR
BENZENE	20	0	22	110	22	110	0	25	50-150
TOLUENE	20	0	22	110	21	105	5	25	50-150

MS = Spike sample  
MSD = Spike sample duplicate  
SR = Sample result  
SA = Spike added

NC = Not calculated

\*\* = Out of limits

$$RPD = 100 \times (MS - MSD) / ((MS + MSD) / 2)$$

$$PR = 100 \times ((MS \text{ or } MSD) - SR) / SA$$

FORM III VOL

# Hull Development Labs

1149 Minnesota Ave., San Jose, CA 95125 Tel: (408) 287-1777 Fax: (408) 287-1786

## Chain of Custody/Analysis Work Order

Client: RLM  
 Address: 115 WAIL RUN RD  
ARTO CA 95007  
 Contact: CHRIS PEPPLES  
 Telephone #: 662-9411  
 Date Received: 7/25  
 Turn Around: NORMAL

Project ID: CE 8 Z  
 Purchase Order #:  
 Sampler Company: Telephone #:  
 Special Instructions/Comments

**LAB USE ONLY**

Samples arrived chilled and intact:  
 Yes  No

Notes: \_\_\_\_\_

Sample Information								Requested Analysis							
Lab #	Sample ID	Grab/ Composite	Matrix	Date Collected	Time Collected	Pres.	Sample Container	On/Off Order							
	S1	<del>S</del> G	SOIL	7/25	1310		5x3" REEVE	X						B7444	
	S2				1315		"	X						B7445	
	S3				1320		"	X						B7446	
	SD1				1325		"	X						B7447	
	SD2				1330		"	X						B7448	
	SD3				1335		"	X						B7449	
Relinquish By: <u>P. G.</u>				Received By: <u>Ally A.</u>				Date: <u>7/25/95</u>				Time: <u>6:30 PM</u>			
Relinquish By:				Received By:				Date:				Time:			
Relinquish By:				Received By:				Date:				Time:			

# Hull Development Labs, Inc.

CA ELAP# 1369

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Attn: Chris Peoples  
Remediation Risk Management  
P.O. Box 1362  
Aptos, CA 95001


Date:	8/9/95
Date Received:	7/25/95
Date Analyzed:	8/7/95
Project:	CE 82
Sampled By:	Client

## Certified Analytical Report

### Soil Sample Analysis:

Test	ST2	ST3	S4	Units	MDL	EPA Method #
Sample Matrix	Soil	Soil	Soil			
Sample Date	7/25/95	7/25/95	7/25/95			
Sample Time	1415	1430	1500			
Lab #	B7450	B7451	B7452			
DF-Diesel	100	1	20			
TPH-Diesel	840	210	17,000	mg/kg	1.0 mg/kg	8015M
DF-Motor Oil	100	1	20			
Motor Oil	ND	ND	ND	mg/kg	1.0 mg/kg	8015M
DF-Gas/BTEX	1	1	1			
TPH-Gas	13*	14*	8.4*	mg/kg	1.0 mg/kg	8015M
Benzene	ND	ND	ND	mg/kg	0.005 mg/kg	8020
Toluene	ND	ND	ND	mg/kg	0.005 mg/kg	8020
Ethyl Benzene	ND	ND	ND	mg/kg	0.005 mg/kg	8020
Xylenes	ND	ND	ND	mg/kg	0.005 mg/kg	8020

1. PQL=DF x MDL
2. \*TPH-Gas chromatogram for lab #B7450, B7451 & B7452, although within the reporting range, does not match the typical Gas pattern.
3. Analysis performed by Hull Development Labs, Inc. (CAELAP #1369)



Michael N. Golden, Lab Director

DF=Dilution Factor  
MDL=Method Detection Limit

PQL=Practical Quantitation Limit  
ND=None Detected at or above PQL

HULL DEVELOPMENT LABS INC.

525 Del Rey Avenue, Suite E  
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY  
FOR DIESEL ANALYSIS

DIESEL

QC sample No.: BLANK SPIKE & DUP      Date analyzed: 07-25-95  
 Date extracted: 07-24-95  
 QC batch: DS079508

Matrix: SOIL

Units: mg/Kg      Dilution factor: 1

COMPOUND	SA	SR	MS	MS	MSD	MSD	RPD	QC LIMITS (ADVISORY)	
	mg/Kg	mg/Kg	mg/Kg	PR	mg/Kg	PR		RPD	PR
DIESEL	25	0	20	80	18	72	11	25	50-150

MS = Spike sample      NC = Not calculated  
 MSD = Spike sample duplicate      \*\* = Out of limits  
 SR = Sample result  
 SA = Spike added

$RPD = 100 \times (MS - MSD) / ((MS + MSD) / 2)$

$PR = 100 \times ((MS \text{ or } MSD) - SR) / SA$



HULL DEVELOPMENT LABS INC.

525 Del Rey Avenue, Suite E  
Sunnyvale, CA 94086QUALITY CONTROL RESULTS SUMMARY  
FOR GASOLINE ANALYSIS

GASOLINE

QC sample No. BLANK SPIKE &amp; DUP Date analyzed: 07-31-95

Matrix: WATER

Units: ug/L

Dilution factor: 1

COMPOUND	SA	SR	MS	MS	MSD	MSD	RPD	QC LIMITS	
	ug/L	ug/L	ug/L	PR	ug/L	PR		(ADVISORY)	
								RPD	PR
GASOLINE	245	0	255	104	246	100	4	25	50-150

MS = Spike sample

MSD = Spike sample duplicate

SR = Sample result

SA = Spike added

NC = Not calculated

\*\* = Out of limits

$$RPD = 100 \times (MS - MSD) / ((MS + MSD) / 2)$$

$$PR = 100 \times ((MS \text{ or } MSD) - SR) / SA$$

HULL DEVELOPMENT LABS INC.

525 Del Rey Avenue suite K  
Sunnyvale, CA 94086QUALITY CONTROL RESULTS SUMMARY  
BTEX

QC sample No.: BLANK SPIKE &amp; DUP Date analyzed: 07-31-95

Matrix: WATER

Units: ug/L

Dilution factor: 1

COMPOUND	SA	SR	MS	MS	MSD	MSD	RPD	QC LIMITS (ADVISORY)	
	ug/L	ug/L	ug/L	PR	ug/L	PR		RPD	PR
BENZENE	20	0	22	110	22	110	0	25	50-150
TOLUENE	20	0	22	110	21	105	5	25	50-150

MS = Spike sample  
MSD = Spike sample duplicate  
SR = Sample result  
SA = Spike added

NC = Not calculated

\*\* = Out of limits

$$RPD = 100 \times (MS - MSD) / ((MS + MSD) / 2)$$

$$PR = 100 \times ((MS \text{ or } MSD) - SR) / SA$$

FORM III VOL