

OKAY TO BACKFILL  
W/O FURTHER SOURCE  
REMOVAL

*[Handwritten signature]*



1605 Ferry Point  
Alameda, CA 94501

JUL 20 1999

**FAX COVER SHEET**

CELL 5107192433

DATE: 7-20-99

TO: ROBERT WRSTON

FROM: MARK WILLIAMS

COMPANY: ACH A

FAX: (510) 749-1391

FAX: 337-9335

PHONE: (510) 749-1390

PHONE:

TOTAL PAGES INCLUDING THIS COVER SHEET: 14

SUBJECT: Alameda Marina Soil & Water Analysis

COMMENTS: Robert please let me know if we can backfill the excavations.  
MY CELL PHONE IS 510 719-2433

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# CHROMALAB, INC.

Environmental Services (SDS)

Diesel

<b>Foss Environmental Services</b>	✉ 1605 Ferry Point Alameda, CA 94501
Attn: Michael Rothman	Phone: (510) 749-4135 Fax: (510) 749-1391
Project #: A9190	Project: Alameda Marina

### Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
GS-1	Soil	07/14/1999 12:00	1
GS-2	Soil	07/14/1999 12:00	2
SP1,2,3,4	Soil	07/14/1999 12:00	3
GW-1	Water	07/14/1999 12:00	4

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-07-0204

To: Foss Environmental Services  
 Attn.: Michael Rothman

Test Method: 8015m  
 Prep Method: 3510/8015M  
 3550/6015M

Diesel

Sample ID: GS-1	Lab Sample ID: 1999-07-0204-001
Project: A9190 Alameda Marina	Received: 07/14/1999 15:25
Sampled: 07/14/1999 12:00	Extracted: 07/15/1999 09:00
Matrix: Soil	QC-Batch: 1999/07/15-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	07/15/1999 15:47	
Surrogate(s) o-Terphenyl	81.7	60-130	%	1.00	07/15/1999 15:47	

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-07-0204

To: Foss Environmental Services  
Attn.: Michael Rothman

Test Method: 8015m  
Prep Method: 3510/8015M  
3550/8015M

Diesel

Sample ID: <b>G8-2</b>	Lab Sample ID: <b>1999-07-0204-002</b>
Project: <b>A9190 Alameda Marina</b>	Received: <b>07/14/1999 15:25</b>
Sampled: <b>07/14/1999 12:00</b>	Extracted: <b>07/15/1999 09:00</b>
Matrix: <b>Soil</b>	QC-Batch: <b>1999/07/16-01.10</b>

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	07/15/1999 16:24	
Surrogate(s) o-Terphenyl	78.0	60-130	%	1.00	07/15/1999 16:24	

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-07-0204

To: Foss Environmental Services  
 Attn.: Michael Rothman

Test Method: 8015m  
 Prep Method: 3510/8015M  
 3550/8015M

Diesel

Sample ID: <b>SP1,2,3,4</b>	Lab Sample ID: 1999-07-0204-003
Project: <b>A9190</b> Alameda Marina	Received: 07/14/1999 15:25
Sampled: 07/14/1999 12:00	Extracted: 07/15/1999 09:00
Matrix: Soil	QC-Batch: 1999/07/15-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	18	1.0	mg/Kg	1.00	07/15/1999 17:02	ndp
Surrogate(s) o-Terphenyl	122.0	80-130	%	1.00	07/15/1999 17:02	

# CHROMALAB, INC.

Environmental Services (SES)

Submission #: 1999-07-0204

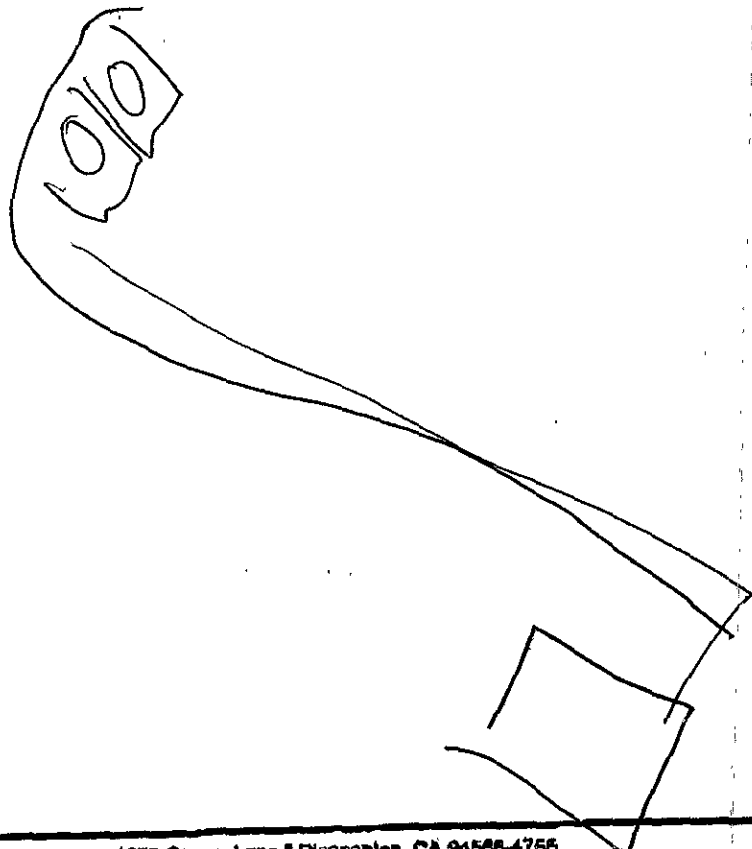
To: Foss Environmental Services  
 Attn.: Michael Rothman

Test Method: 8015m  
 Prep Method: 3510/8015M  
 3550/8015M

Diesel

Sample ID: GW-1	Lab Sample ID: 1999-07-0204-004
Project: AS190 Alameda Marina	Received: 07/14/1999 15:26
Sampled: 07/14/1999 12:00	Extracted: 07/14/1999 09:00
Matrix: Water	QC-Batch: 1999/07/14-02.10
Sample/Analysis Flag: shc ( See Legend & Note section )	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	8400	250	ug/L	5.00	07/14/1999 23:37	
Surrogate(s) o-Terphenyl	565.5	60-130	%	5.00	07/14/1999 23:37	



1220 Quany Lane \* Pleasanton, CA 94566-4766  
 Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

Submission #: 1999-07-0204

# CHROMALAB, INC.

Environmental Services (SDB)

To: Foss Environmental Services  
 Attn.: Michael Rothman

Test Method: 8015m  
 Prep Method: 3510/8015M  
 3550/8015M

**Batch QC Report**  
**Diesel**

Method Blank	Water	QC Batch # 1999/07/14-02.10
MB: 1999/07/14-02.10-001		Date Extracted: 07/14/1999 09:00

Compound	Result	Rep. Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	07/14/1999 17:18	
Surrogate(s) o-Terphenyl	80.0	60-130	%	07/14/1999 17:18	

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-07-0204

To: Foss Environmental Services  
Attn.: Michael Rothman

Test Method: 8015M  
Prep Method: 3510/8015M  
3550/8015M

### Batch QC Report Diesel

Method Blank	Soil	QC Batch # 1999/07/15-01.10
MB: 1999/07/15-01.10-001		Date Extracted: 07/15/1999 09:00

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	1	mg/Kg	07/16/1999 12:17	
Surrogate(s) o-Terphenyl	78.5	60-130	%	07/16/1999 12:17	



# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-07-0204

To: Foss Environmental Services  
 Attn: Michael Rothman

Test Method: 8016m  
 Prep Method: 3510/8015M  
 3550/8015M

## Batch QC Report

Diesel

<b>Laboratory Control Spike (LCS/LCSD)</b>	<b>Water</b>	<b>QC Batch # 1999/07/14-02.10</b>
LCS: 1999/07/14-02.10-002	Extracted: 07/14/1999 09:00	Analyzed: 07/14/1999 18:06
LCSD: 1999/07/14-02.10-003	Extracted: 07/14/1999 09:00	Analyzed: 07/14/1999 18:53

Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery (%)		RPD	Ctrl. Limits (%)		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Diesel	1670	1770	2500	2500	66.8	70.8	5.8	60-130	25		
Surrogate(s) o-Terphenyl	18.4	19.0	20.0	20.0	82.0	95.0		60-130			

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-07-0204

To: Foss Environmental Services  
 Attn: Michael Rothman

Test Method: 8015m  
 Prep Method: 3510/8015M  
 3550/8015M

**Batch QC Report**

Diesel

Laboratory Control Spike (LCS/LCSD)		Soil	QC Batch # 1999/07/15-01.10	
LCS:	1999/07/15-01.10-002	Extracted: 07/15/1999 09:00	Analyzed: 07/15/1999 14:32	
LCSD:	1999/07/15-01.10-003	Extracted: 07/15/1999 09:00	Analyzed: 07/15/1999 15:10	

Compound	Conc. [mg/Kg]		Exp. Conc. [mg/Kg]		Recovery [%]		RPD	Cvl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Diesel	80.3	78.8	83.3	83.3	98.4	90.8	6.0	60-130	25		
Surrogate(s) o-Terphenyl	22.7	21.1	20.0	20.0	113.8	105.5		80-130			

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-07-0204

To: Foss Environmental Services  
Attn: Michael Rothman

Test Method: 8015M  
Prep Method: 3550/8015M  
3510/8015M

### Legend & Notes

Diesel

#### Analysis Flags

shc

Surrogate recoveries biased high due to hydrocarbon co-elution

#### Analyte Flags

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

# CHROMALAB, INC.

Environmental Services (SES)

## FAX COVER SHEET

To: Michael Rothman  
 Company: Foss Env.  
 Fax Number: 510-749-1391  
 From: Afsana

Phone Number: 925-484-1919 Fax Number: 925-484-1096

Date: 7/15 Time: \_\_\_\_\_

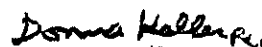
Number of Pages: Cover + 3 SJB# 1997-07-0204

Message: I am sorry we are running late due  
to a lot of rush samples in House.  
Lead results and Dred for soil will be ready  
tomorrow, I won't charge you 24hr.  
I am faxing you 9181 MTBE.  
result for G-W-1 = Dred = 8400 ug/l

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

  
 Sylvia Krenn  
 Chemist

Certification # 1159  
 10:40 AM FOS ENVIRONMENTAL

  
 Donna Keller  
 Laboratory Director

7-15-1999 5:02PM

FROM

07/15/1999 15:47

5720916

GEDANALYTICAL LAB

# GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351

Phone (209) 572-0900 Fax (209) 572-0916

## CERTIFICATE OF ANALYSIS

Report # K196-01

Date: 7/15/99

ChromaLab  
1220 Quarry Lane  
Pleasanton CA 94566

Project: 99-07-0204

Date Rec'd: 7/15/99  
Date Started: 7/15/99  
Date Completed: 7/15/99

PO#

Date Sampled: 7/14/99  
Time: 12:00pm  
Sampler:

Sample ID: GW-1

Lab ID: K33950

Method	MDL	Analyte	Results	Units
602	0.3	Benzene	3.2	ug/L
8020	0.3	Toluene	13	ug/L
8020	0.3	Ethyl Benzene	2.1	ug/L
8020	0.6	Total Xylenes	14	ug/L
8020	1.0	Methyl tert-Butyl Ether (MTBE)	27	ug/L
5030 Luft	0.05	Gasoline	0.1	mg/L

*Threshold values not exceeded from SF study*

*-Other organics*

*Sylvia Krenn*  
Sylvia Krenn  
Chemist

*Donna Keller*  
Donna Keller  
Laboratory Director

Certification # 1157

# GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

## CERTIFICATE OF ANALYSIS

Report # K196-01

Date: 7/15/99

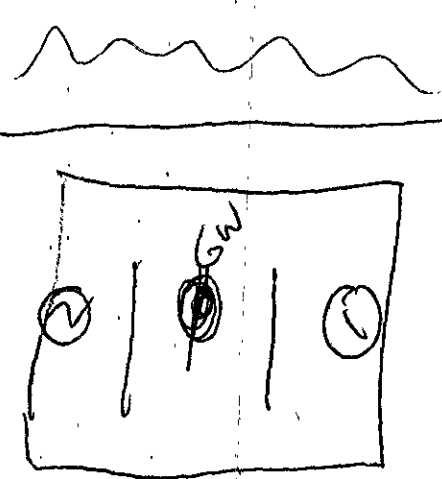
ChromaLab  
 1220 Quarry Lane  
 Pleasanton CA 94566

Project: 99-07-0204  
 PO#

Date Rec'd: 7/15/99  
 Date Started: 7/15/99  
 Date Completed: 7/19/99

Date Sampled: 7/14/99  
 Sampler:

Sample ID	Lab ID	MDL	Method	Analyte	Results	Units
GS-1	K22479	5.0	8020	Benzene	ND	µg/Kg
		5.0	8020	Toluene	ND	µg/Kg
		5.0	8020	Ethyl Benzene	ND	µg/Kg
		5.0	8020	Total Xylenes	ND	µg/Kg
		10	8020	Methyl tert -Butyl Ether	ND	µg/Kg
		1.0	5030 Luft	Gasoline	ND	mg/Kg
GS-2	K22480	5.0	8020	Benzene	26	µg/Kg
		5.0	8020	Toluene	930	µg/Kg
		5.0	8020	Ethyl Benzene	88	µg/Kg
		5.0	8020	Total Xylenes	990	µg/Kg
		10	8020	Methyl tert -Butyl Ether	12	µg/Kg
		1.0	5030 Luft	Gasoline	2.7	mg/Kg
SP1.2.3A	K22481	5.0	8020	Benzene	ND	µg/Kg
		5.0	8020	Toluene	ND	µg/Kg
		5.0	8020	Ethyl Benzene	ND	µg/Kg
		5.0	8020	Total Xylenes	ND	µg/Kg
		10	8020	Methyl tert -Butyl Ether	ND	µg/Kg
		1.0	5030 Luft	Gasoline	ND	mg/Kg



*Sylvia Krern*  
 Sylvia Krern  
 Chemist  
 P. 14

*Donna Keller*  
 Donna Keller  
 Director