

**M E C A**

42 California Avenue, Orinda, California 94563  
Tel 925 258 9200 ~ Fax 925 258 9867  
smichelson@home.com

Project # 104101

September 30, 1999

Eva Chu  
Hazardous Materials Specialist  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway  
Alameda, California 94502

Re: Site Assessment Report of the Truck Accident Near Fallon Road and Croak Road,  
Pleasanton, CA

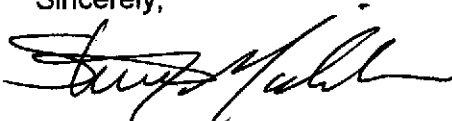
Dear Ms. Chu,

MECA is submitting the subject report letter to Alameda County Environmental Health Services (ACEH) on behalf of the property owners: Jennifer Lin, Frederic Lin, and Kevin Lin, c/o Charter Properties located at 6601 Owens Drive, Suite 100, Pleasanton, California, 94588.

On December 28, 1998, a truck traveled off of Fallon Road and into a field. Subsequent to the accident, petroleum hydrocarbon odors were reported in the area disturbed by the truck. An investigation has been performed to delineate the extent of petroleum hydrocarbons at the Site. The report describes the findings resulting from the implementation of the Work Plan and recommends appropriate remediation activities to achieve closure for the Site. The investigation has revealed concentrations of total petroleum hydrocarbons in soil in the area that was disturbed by the truck. A cleanup level of 100 mg/kg of TPHd in soil has been proposed for the site. The recommended remediation approach consists of excavation, transportation, and off-site disposal. Based on the proposed cleanup level, approximately 10 cubic yards of soil would be remediated.

Please forward your written comments and approval to MECA and to Mr. Martin Inderbitzen located at 5510 Sunol Boulevard, Suite A, Pleasanton, California 94566. We would like to perform the remediation prior to the start of the rainy season. Please call me with your questions and comments at (925) 258-9200.

Sincerely,



Steven I. Michelson, R.G.  
Environmental Consultant

SIM

cc: Martin Inderbitzen

ENVIRONMENTAL  
PROTECTION

99 OCT -5 PM 2:47

## SITE ASSESSMENT REPORT

### TRUCK ACCIDENT AT FALLON ROAD

Fallon Road and Croak Road, Pleasanton, California

September 30, 1999

Approve proposal to excavate  
soil to 5' deep to remove and  
contaminated soil to 100 ppm (M1004)  
Confirmatory SS. Should be analyzed  
for TPH, and BTEX and PCBs.

#### MECA

42 California Avenue  
Orinda, California 94563  
(925) 258-9200

**SITE ASSESSMENT REPORT**  
**TRUCK ACCIDENT AT FALLON ROAD**  
**Fallon Road and Croak Road, Pleasanton, California**

**September 30, 1999**

Prepared for:

**Martin Inderbitzen**  
5510 Sunol Blvd., Suite A  
Pleasanton, CA 94566

Prepared by:

**M E C A**  
42 California Avenue  
Orinda, California 94563  
(925) 258-9200

Steven Michelson  
California Registered Geologist (5165)

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## 1. INTRODUCTION

This Site Assessment Report (Report) is submitted by MECA on behalf of Mr. Martin Inderbitzen to the Alameda County Environmental Health Services (ACEHS) for the truck accident at Fallon Road Pleasanton, California (Site), see Figure 1. On December 28, 1998, a truck traveled off of Fallon Road and into a field. Subsequent to the accident, petroleum hydrocarbon odors were reported in the area disturbed by the truck. The Site Assessment Work Plan dated May 21, 1999 (Work Plan) was designed to characterize the area disturbed by the truck. The Work Plan was approved by the ACEHS per its letter dated July 12, 1999. As part of the approval, the ACEHS requested that a boring be extended to collect a groundwater sample.

The Work Plan was implemented on August 12, 1999. The purpose of the investigation was to delineate the extent of petroleum hydrocarbons in soil and groundwater at the Site. This report describes the findings resulting from the implementation of the Work Plan and recommends appropriate remediation activities to achieve closure for the Site.

## 2. SITE DESCRIPTION AND PREVIOUS INVESTIGATIONS

### 2.1 SITE DESCRIPTION

The Site is located northwest of the intersection of Fallon Road and Croak Road near Pleasanton, California. The Site is situated in the southeast corner of a large field used primarily for grazing cattle. The field is bounded on the south by the westbound onramp to Highway 580 and on the east by Fallon Road (Figure 1). South of Highway 580, Fallon Road becomes El Charro, which is the name of the exit off of Highway 580. Except for a drainage ditch and chain link fence, the Site appears to be undeveloped.

### 2.2 PREVIOUS INVESTIGATIONS

On December 28, 1998, a truck pulling an end-dump loaded with fill material reportedly traveled north off of Fallon and Croak Roads and into the Site. The related California Highway Patrol Traffic Collision Report is number 12-178.

Following the accident, petroleum odors were reported in the area disturbed by the truck. Site reconnaissance was performed on January 15, 1999. The reconnaissance confirmed that petroleum-like odors were present in the shallow disturbed soil north of the drainage ditch. The disturbed area is roughly 40 feet long and about 15 feet wide. The odors were not sensed in soil south of the drainage ditch or in undisturbed soil adjacent to the disturbed area. Since the truck

that disturbed the soil reportedly used diesel fuel, the odors were assumed to be related to diesel fuel spilled during the truck accident.

In addition to the area disturbed by the truck, a small pile of soil northeast of the tire tracks near the fence also revealed petroleum odors. The source of the soil pile was assumed to be related to the truck accident.

### **2.3 GEOLOGY AND HYDROGEOLOGY**

The topography of the Site is generally flat with a very gentle upslope toward the hills to the north. The native geologic materials in the upper 12 to 18 inches observed in the disturbed area consist of dark grayish brown fine sandy silt to silty clay with loam and organic materials. The geologic materials that were observed in the hand augered soil borings advanced at the Site on August 12, 1999 consisted of silty clay to a depth of 16 feet below ground surface (bgs).

A drainage ditch passes through a culvert beneath Fallon Road and flows west through the southern portion of the area disturbed by the truck, see Figure 1. On January 15 and 26 and February 4, 1999, water was observed in the drainage ditch at an approximate width of two feet and depth of four inches. Water was not observed in the drainage ditch on August 12, 1999.

The ground surface elevation of the Site is approximately 350 feet above mean sea level (msl). Groundwater is reported in this area to be at an elevation between 320 to 330 feet mean seal datum (ACEHS, July 1999). Based on this information, the depth to the groundwater potentiometric surface is in the range of 20 to 30 feet below ground surface. Based on the topography and the orientation of the valley, the inferred groundwater gradient is toward the west. Groundwater was not encountered in boring B5, which was advanced to 16 feet bgs.

### **3. SITE INVESTIGATION**

On August 12, 1999, MECA implemented the Work Plan Tasks 1 and 2, which consisted of the soil and groundwater investigation at the Site. The purpose of investigation described in the Work Plan was to characterize the extent of petroleum hydrocarbons in the area disturbed by the truck accident at the Site.

All field work was performed under the direction of a California Registered Geologist. All chemical analyses were performed by Chromalab of Pleasanton, California, which is a California certified analytical laboratory.

### 3.1 INVESTIGATION OF SOIL

#### 3.1.1 Collection and Analysis of Soil Samples

Eight hand auger borings (B1 through B5, BS1, BW1, and P1) were advanced and 18 soil samples were collected and analyzed from depths ranging from 0.5 feet to 8.7 feet bgs at the locations shown in Figure 1. In addition, the laboratory created and analyzed a composite soil sample comprised of soil samples collected from the depth of 1 foot in borings B1 through B5 and P1. The composite sample was analyzed to provide soil profile data for possible subsequent consideration of landfill disposal options.

The nineteen soil samples were analyzed for total petroleum hydrocarbons as diesel (TPHd) using EPA Method 8015. The composite soil sample was also analyzed for benzene, toluene, ethyl benzene, and xylenes (BTEX) using EPA Method 8020 and for total organic carbon (TOC). Table 1 summarizes the locations, depths, and analytical results of the soil samples collected at the Site.

The soil borings were advanced using hand augering equipment. The soil samples were collected using the hand augering equipment and a 12-inch to 18-inch long, 2-inch diameter split-spoon soil sampling device. The split-spoon was lined with 6-inch long 2-inch diameter brass tubes, which filled with soil after being driven into the ground at the selected sampling interval. The samples selected for chemical analysis were sealed by securing plastic caps over the ends of the sample tube, labeled, and placed in a cooler containing ice. The samples were transported to the analytical laboratory under chain-of-custody protocols. After collecting the soil samples, the boreholes were filled with soil collected from outside of the disturbed area. All sampling and augering equipment was cleaned prior to use at each sampling location.

#### 3.1.2 Results of the Soil Investigation

The analytical laboratory has qualified the TPHd results of the soil samples collected from boring B1, B2, B4 at 1.5 feet bgs, BS1, and BW1 as yielding a non-diesel pattern on the chromatogram (ndp). Naturally occurring hydrocarbons, such as is present in plant material, can be detected in samples analyzed for TPHd. Therefore, in the absence of substantial concentrations of petroleum hydrocarbons, soil samples containing organic matter can yield false positive concentrations of TPHd. Table 1 summarizes the analytical results of the soil samples collected at the Site. Appendix A contains copies of the laboratory analytical reports.

The soil samples collected from south and west of the disturbed area, at BS1 and BW1, revealed concentrations of TPHd at 3.4 mg/kg and 7.0 milligrams per kilogram (mg/kg), respectively. The laboratory characterized these results as a non-diesel pattern.

Concentrations of TPHd in the soil samples were measured up to 2,400 mg/kg, in the sample collected from 0.5 feet bgs at B3. Concentrations of TPHd from this boring decreased to 16

mg/kg at a depth of 5 feet bgs. Boring B3 was located approximately in the center of the disturbed area.

Soil samples collected in the truck tire depressions near the edges of the disturbed area at a depth of 0.5 feet bgs were measured up to 300 mg/kg in B4. Concentrations of TPHd at this location decreased to 13 mg/kg at a depth of 1.5 feet bgs. The remaining soil samples collected from the truck tire depressions were at 60 mg/kg or less and most results were characterized by the laboratory as yielding a non-diesel pattern.

The soil samples collected from the soil boring P1 advanced in the soil pile located north of the disturbed area revealed 2,100 mg/kg TPHd in the shallow soil sample collected from 0.5 feet bgs. The soil sample collected from 1.5 feet bgs in boring P1 indicated that the TPHd concentrations decreased to 4.2 mg/kg, which designated by the laboratory as having a non-diesel pattern.

The composite sample collected from soil in the disturbed area revealed TPHd at 310 mg/kg, BTEX below the detection limit of 0.0050 mg/kg, and TOC at 0.88 percent.

### **3.2 INVESTIGATION OF GROUNDWATER**

The boring B5 was advanced to depth in an attempt to collect a groundwater sample. Groundwater was not encountered at a depth of 16 feet bgs and auger refusal prevented this boring from reaching greater depths. The depth to groundwater is estimated to range from 20 to 30 feet below ground surface at this Site. Therefore, a groundwater sample was not collected.

## **4. DELINEATION OF PETROLEUM HYDROCARBONS AT THE SITE**

The State Water Resources Control Board (State Board) characterizes sites as "low risk" when the maximum depth to ground water is less than 50 feet and when there are no drinking water wells within 250 feet from the source area (December, 1995). The conditions at the Site are consistent with these criteria, therefore, the Site is considered to be of "low risk."

### **4.1 PROPOSED REMEDIAL GOAL FOR TPHD**

The SWRCB *Leaking Underground Fuel Tank (LUFT) Field Manual* guidance (SWRCB, 1989) was used to identify potential soil remedial goals for TPHd. Although the Site does not consist of a release from an UST, the LUFT provides a methodology for calculating the concentration of TPHd that can be left in soil without posing a significant threat of groundwater degradation. Based on the LUFT, the remedial goal proposed for TPHd in soil at this Site has been calculated as 100 mg/kg.



It is noted that the remedial goals provided in the LUFT are based on presumed concentrations of BTEX in diesel. Since concentrations of BTEX were not detected in soil, the proposed remedial goal of 100 mg/kg of TPHd may be considered as conservative, or lower than is needed, to protect the beneficial uses of groundwater at this Site.

#### 4.2 EXTENT OF TPHD IN SOIL

Concentrations of TPHd above the proposed remedial goal of 100 mg/kg are limited to soil samples collected from borings B3 and B4 advanced within the disturbed area and boring P1 advanced within the soil pile. TPHd concentrations measured in the soil samples collected from other locations in the disturbed area and outside of the disturbed area revealed concentrations of TPHd well below 100 mg/kg. The distribution of TPHd concentrations at the Site indicates that soil significantly affected with TPHd is limited laterally to the area disturbed by the truck. Vertically, the analytical data limit significant concentrations of TPHd to the shallow soil between ground surface and, at most, 3 feet bgs.

The portion of the disturbed area with TPHd concentrations above 100 mg/kg (borings B3, B4) is estimated to be 20 feet long by 7 feet wide, to a maximum depth of 3 feet. The soil pile (boring P1) is approximately 4 feet in diameter. The volume of soil with concentrations above 100 mg/kg is estimated to be 10 cubic yards.

#### 5. RECOMMENDED CORRECTIVE ACTION

Remediation of soil with concentrations of TPHd above 100 mg/kg is recommended. Excavation, transport, and off-site disposal is the most cost effective method to remediate the estimated 10 cubic yards of soil containing concentrations of TPHd above the proposed remediation goal of 100 mg/kg. Excavation could be performed with a front-end loader, or similar.

Following the excavation of soil with petroleum hydrocarbons, at least three soil samples should be collected from the base of the excavation to assess the adequacy of the remediation. The soil samples should be analyzed for TPHd using EPA Method 8015. The analytical results can be used to indicate the concentrations of TPHd remaining in soil. If the samples of the remaining soil reveal TPHd concentrations above the proposed cleanup level of 100 mg/kg, then additional remediation may be warranted. If the TPHd concentrations in samples of the remaining soil are below 100 mg/kg, then additional action should not be necessary at the Site.

The excavation should be backfilled with either clean imported soil or with soil obtained from the field near the Site. Following soil excavation and sampling, a report should be submitted to ACEHS documenting the results of the remediation.

and BTEX, MTBE

## REFERENCES

- Alameda County Environmental Health Services, *Site Assessment at Fallow Road and Croak Road*. Letter to MECA. July 12, 1999.
- ASTM. *Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites, E 1739-95*. November, 1995r.
- Graymer, R.W., Jones, D.L., Brabb, E.E., *Preliminary Geologic Map Emphasizing Bedrock Formations in Alameda County, California: Derived form the Digital Database Open-File Report 96-252*, United States Geological Survey, 1996.
- Helley, E.J., and Graymer, R.W., *Quaternary Geology of Alameda County, and Surrounding Areas: Derived form the Digital Database Open-File Report 97-97*, United States Geological Survey, 1997.
- Lawrence Livermore National Laboratory, *Recommendations to Improve the Cleanup Processes for California's Leaking Underground Fuel Tanks*. October 16, 1995.
- Regional Water Quality Control Board - San Francisco Bay Region, *Memorandum - Regional Board Supplemental Instructions to State Water Board December 8, 1995, Interim Guidance on Required Cleanup at Low-Risk Fuel Sites*, January 5, 1996.
- Regional Water Quality Control Board - San Francisco Bay Region, *San Francisco Basin - Water Quality Control Plan*, June 21, 1995.

**TABLES**

**TABLE 1: Summary of Soil Sample Results Collected on August 12, 1999  
Truck Accident at Fallon Road and Croak Road, Pleasanton, California**

Sample Identity	Depth (ft)	TPHd (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl benzene (mg/kg)	Xylenes (mg/kg)	TOC (percent)
B1	0.5	5.2 *	--	--	--	--	--
	1.5	9.2 *	--	--	--	--	--
B2	0.5	11 *	--	--	--	--	--
	1.5	12 *	--	--	--	--	--
B3	0.5	2,400	--	--	--	--	--
	1.5	1,700	--	--	--	--	--
	3.0	1,100	--	--	--	--	--
	5.0	16	--	--	--	--	--
	8.7	5.5	--	--	--	--	--
B4	0.5	300	--	--	--	--	--
	1.5	13 *	--	--	--	--	--
B5	0.5	60	--	--	--	--	--
	1.5	2.0	--	--	--	--	--
BS1	0.5	3.4 *	--	--	--	--	--
BW1	0.5	7.0 *	--	--	--	--	--
P1	0.5	2,100	--	--	--	--	--
	1.5	360	--	--	--	--	--
	3.0	4.2	--	--	--	--	--
B-1,2,3,4,5/P-1	1.0	310	<0.0050	<0.0050	<0.0050	<0.0050	0.88

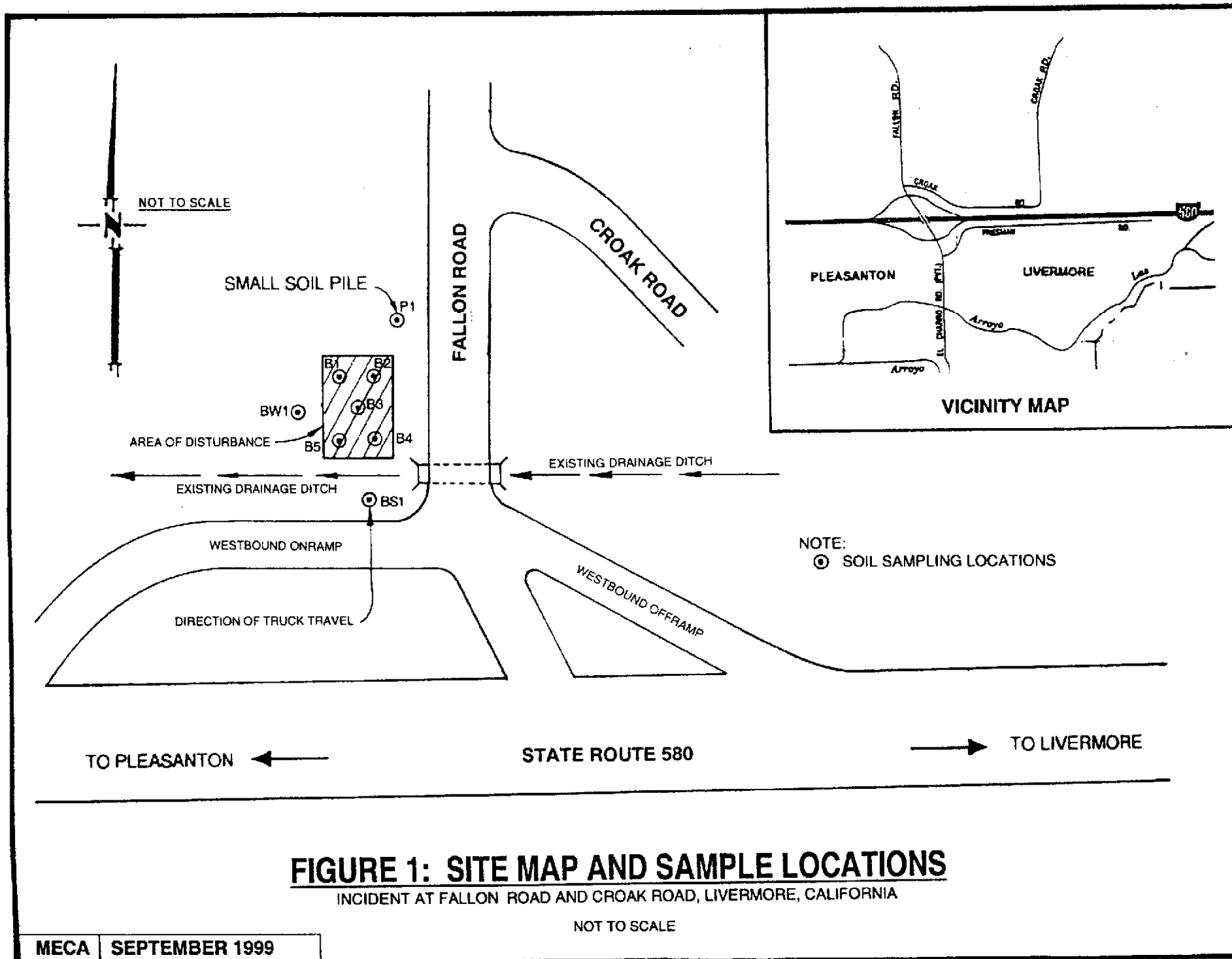
**NOTES:**

TPHg: Total petroleum hydrocarbons as diesel

TOC: Total organic carbon

\* non diesel pattern (Chromalab)

**FIGURES**



**APPENDIX A**  
**LABORATORY ANALYTICAL REPORTS**

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

Date: August 19, 1999

**MECA**42 California Avenue  
Orinda, CA 94563

Attn.: Mr. Steve Michelson

Project: Fallon Road

Dear Steve,

Attached is our report for your samples received on Thursday August 12, 1999.  
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 September 11, 1999  
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.

Sincerely,

  
Gary Cook

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

Printed on: 08/19/1999 15:09

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**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

Volatile Hydrocarbons by 8015/8020

<b>MECA</b>	☐ 42 California Avenue
	Orinda
	CA 94563
Attn: Steve Michelson	Phone: (925) 258-9200 Fax: (925) 258-9867
Project #:	Project: Fallon Road

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
B1,2,3,4,5-1.0/P1-1.0 COMP	Soil	08/12/1999	21

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

Printed on: 08/19/1999 16:24

Page 1 of 4



**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8020  
Prep Method: 5030**Batch QC Report**  
Volatile Hydrocarbons by 8015/8020

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 1999/08/16-01.04</b>
MB: 1999/08/16-01.04-001		Date Extracted: 08/16/1999 06:27

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	08/16/1999 06:27	
Toluene	ND	0.0050	mg/Kg	08/16/1999 06:27	
Ethyl benzene	ND	0.0050	mg/Kg	08/16/1999 06:27	
Xylene(s)	ND	0.0050	mg/Kg	08/16/1999 06:27	
<b>Surrogate(s)</b>					
Trifluorotoluene	111.0	53-125	%	08/16/1999 06:27	

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8020  
Prep Method: 5030

## Volatile Hydrocarbons by 8015/8020

Sample ID: <b>B1,2,3,4,6-1.0/P1-1.0 COMP</b>	Lab Sample ID: <b>1999-08-0169-021</b>
Project: <b>Fallon Road</b>	Received: <b>08/12/1999 14:58</b>
Sampled: <b>08/12/1999</b>	Extracted: <b>08/16/1999 09:55</b>
Matrix: <b>Soil</b>	QC-Batch: <b>1999/08/16-01.04</b>

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/16/1999 09:55	
Toluene	ND	0.0050	mg/Kg	1.00	08/16/1999 09:55	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/16/1999 09:55	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/16/1999 09:55	
<b>Surrogate(s)</b>						
Trifluorotoluene	69.0	53-125	%	.00	08/16/1999 09:55	

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-08-0169

To: MECA

Test Method: 8020

Attn: Steve Michelson

Prep Method: 5030

## Batch QC Report

Volatile Hydrocarbons by 8015/8020

Laboratory Control Spike (LCS/LCSD)		Soil		QC Batch # 1999/08/16-01.04	
LCS:	1999/08/16-01.04-002	Extracted:	08/16/1999 06:54	Analyzed:	08/16/1999 06:54
LCSD:	1999/08/16-01.04-003	Extracted:	08/16/1999 07:47	Analyzed:	08/16/1999 07:47

Compound	Conc. [mg/Kg]		Exp. Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Benzene	0.0990	0.0960	0.1000	0.1000	99.0	96.0	3.1	77-123	35		
Toluene	0.0990	0.0950	0.1000	0.1000	99.0	95.0	4.1	78-122	35		
Ethyl benzene	0.100	0.0940	0.1000	0.1000	100.0	94.0	6.2	70-130	35		
Xylene(s)	0.301	0.281	0.300	0.300	100.3	93.7	6.8	75-125	35		
<i>Surrogate(s)</i> Trifluorotoluene	549	523	500	500	109.8	104.6		53-125			

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-08-0169

Diesel

MECA	✉ 42 California Avenue Orinda CA 94563
Attn: Steve Michelson	Phone: (925) 258-9200 Fax: (925) 258-9867
Project #:	Project: Fallon Road

## Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
B1-0.5	Soil	08/12/1999 10:20	1
B1-1.5	Soil	08/12/1999 10:32	2
B2-0.5	Soil	08/12/1999 10:38	3
B2-1.5	Soil	08/12/1999 10:46	4
B3-0.5	Soil	08/12/1999 10:50	5
B3-1.5	Soil	08/12/1999 11:00	6
B4-0.5	Soil	08/12/1999 11:05	7
B4-1.5	Soil	08/12/1999 11:14	8
B5-0.5	Soil	08/12/1999 11:26	9
B5-1.5	Soil	08/12/1999 11:36	10
P1-0.5	Soil	08/12/1999 11:40	11
P1-1.5	Soil	08/12/1999 11:48	12
BS1-0.5	Soil	08/12/1999 12:40	13
BW1-0.5	Soil	08/12/1999 12:54	14
B1,2,3,4,5-1.0/P1-1.0 COMP	Soil	08/12/1999	21

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

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

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**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M

Diesel

Sample ID: <b>B1-0.5</b>	Lab Sample ID: <b>1999-08-0169-001</b>
Project: Fallon Road	Received: 08/12/1999 14:58
Sampled: 08/12/1999 10:20	Extracted: 08/13/1999 09:00
Matrix: Soil	QC-Batch: 1999/08/13-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	5.2	2.0	mg/Kg	2.00	08/17/1999 18:01	ndp
<b>Surrogate(s)</b> o-Terphenyl	89.0	60-130	%	2.00	08/17/1999 18:01	

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M

Diesel

Sample ID: <b>B1-1.5</b>	Lab Sample ID: <b>1999-08-0169-002</b>
Project: Fallon Road	Received: 08/12/1999 14:58
Sampled: 08/12/1999 10:32	Extracted: 08/13/1999 09:00
Matrix: Soil	QC-Batch: 1999/08/13-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	9.2	1.0	mg/Kg	1.00	08/13/1999 23:18	ndp
<b>Surrogate(s)</b> o-Terphenyl	84.5	60-130	%	1.00	08/13/1999 23:18	

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

Printed on: 08/19/1999 16:59

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

Printed on: 08/19/1999 16:59

Page 3 of 23

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M

Diesel

Sample ID: <b>B2-0.5</b>	Lab Sample ID: <b>1999-08-0169-003</b>
Project: Fallon Road	Received: 08/12/1999 14:58
Sampled: 08/12/1999 10:38	Extracted: 08/13/1999 09:00
Matrix: Soil	QC-Batch: 1999/08/13-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	11	1.0	mg/Kg	1.00	08/14/1999 00:31	ndp
<i>Surrogate(s)</i> o-Terphenyl	90.6	60-130	%	1.00	08/14/1999 00:31	

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M

Diesel

Sample ID: <b>B2-1.5</b>	Lab Sample ID: <b>1999-08-0169-004</b>
Project: Fallon Road	Received: 08/12/1999 14:58
Sampled: 08/12/1999 10:46	Extracted: 08/13/1999 09:00
Matrix: Soil	QC-Batch: 1999/08/13-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	12	1.0	mg/Kg	1.00	08/14/1999 01:44	ndp
<i>Surrogate(s)</i> o-Terphenyl	85.7	60-130	%	1.00	08/14/1999 01:44	

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M

Diesel

Sample ID: <b>B3-0.5</b>	Lab Sample ID: <b>1999-08-0169-005</b>
Project: <b>Fallon Road</b>	Received: <b>08/12/1999 14:58</b>
Sampled: <b>08/12/1999 10:50</b>	Extracted: <b>08/13/1999 09:00</b>
Matrix: <b>Soil</b>	QC-Batch: <b>1999/08/13-01.10</b>
Sample/Analysis Flag: shc ( See Legend & Note section )	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	2400	10	mg/Kg	10.00	08/16/1999 13:22	
<b>Surrogate(s)</b> o-Terphenyl	1179.2	60-130	%	10.00	08/16/1999 13:22	

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M

Diesel

Sample ID: <b>B3-1.5</b>	Lab Sample ID: <b>1999-08-0169-006</b>
Project: <b>Fallon Road</b>	Received: <b>08/12/1999 14:58</b>
Sampled: <b>08/12/1999 11:00</b>	Extracted: <b>08/13/1999 09:00</b>
Matrix: <b>Soil</b>	QC-Batch: <b>1999/08/13-01.10</b>
Sample/Analysis Flag: shc ( See Legend & Note section )	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	1700	10	mg/Kg	10.00	08/16/1999 15:33	
<b>Surrogate(s)</b> o-Terphenyl	635.7	60-130	%	10.00	08/16/1999 15:33	

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M

Diesel

Sample ID: <b>B4-0.5</b>	Lab Sample ID: <b>1999-08-0169-007</b>
Project: Fallon Road	Received: 08/12/1999 14:58
Sampled: 08/12/1999 11:05	Extracted: 08/13/1999 09:00
Matrix: Soil	QC-Batch: 1999/08/13-01.10
Sample/Analysis Flag: shc ( See Legend & Note section )	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	300	1.0	mg/Kg	1.00	08/13/1999 23:55	
<i>Surrogate(s)</i> o-Terphenyl	321.8	60-130	%	1.00	08/13/1999 23:55	

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**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M

Diesel

Sample ID: <b>B4-1.5</b>	Lab Sample ID: <b>1999-08-0169-008</b>
Project: Fallon Road	Received: 08/12/1999 14:58
Sampled: 08/12/1999 11:14	Extracted: 08/13/1999 09:00
Matrix: Soil	QC-Batch: 1999/08/13-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	13	1.0	mg/Kg	1.00	08/13/1999 14:12	ndp
<i>Surrogate(s)</i> o-Terphenyl	92.6	60-130	%	1.00	08/13/1999 14:12	

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**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M

Diesel

Sample ID: <b>B5-0.5</b>	Lab Sample ID: <b>1999-08-0169-009</b>
Project: <b>Fallon Road</b>	Received: <b>08/12/1999 14:58</b>
Sampled: <b>08/12/1999 11:26</b>	Extracted: <b>08/13/1999 09:00</b>
Matrix: <b>Soil</b>	QC-Batch: <b>1999/08/13-01.10</b>

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	60	10	mg/Kg	10.00	08/16/1999 16:39	
<b>Surrogate(s)</b> o-Terphenyl	124.0	60-130	%	10.00	08/16/1999 16:39	

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M

Diesel

Sample ID: <b>B5-1.5</b>	Lab Sample ID: <b>1999-08-0169-010</b>
Project: <b>Fallon Road</b>	Received: <b>08/12/1999 14:58</b>
Sampled: <b>08/12/1999 11:36</b>	Extracted: <b>08/13/1999 09:00</b>
Matrix: <b>Soil</b>	QC-Batch: <b>1999/08/13-01.10</b>

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	2.0	1.0	mg/Kg	1.00	08/13/1999 13:35	
<b>Surrogate(s)</b> o-Terphenyl	78.2	60-130	%	1.00	08/13/1999 13:35	

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**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M

Diesel

Sample ID: <b>P1-0.5</b>	Lab Sample ID: <b>1999-08-0169-011</b>
Project: Fallon Road	Received: 08/12/1999 14:58
Sampled: 08/12/1999 11:40	Extracted: 08/13/1999 09:00
Matrix: Soil	QC-Batch: 1999/08/13-01.10
Sample/Analysis Flag: shc ( See Legend & Note section )	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	2100	10	mg/Kg	10.00	08/16/1999 14:27	
<i>Surrogate(s)</i> o-Terphenyl	2212.3	60-130	%	10.00	08/16/1999 14:27	

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M

Diesel

Sample ID: <b>P1-1.5</b>	Lab Sample ID: <b>1999-08-0169-012</b>
Project: Fallon Road	Received: 08/12/1999 14:58
Sampled: 08/12/1999 11:48	Extracted: 08/13/1999 09:00
Matrix: Soil	QC-Batch: 1999/08/13-02.10
Sample/Analysis Flag: shc ( See Legend & Note section )	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	360	1.0	mg/Kg	1.00	08/13/1999 21:29	
<i>Surrogate(s)</i> o-Terphenyl	316.8	60-130	%	1.00	08/13/1999 21:29	

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**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M

Diesel

Sample ID: <b>BS1-0.5</b>	Lab Sample ID: <b>1999-08-0169-013</b>
Project: Fallon Road	Received: 08/12/1999 14:58
Sampled: 08/12/1999 12:40	Extracted: 08/13/1999 09:00
Matrix: Soil	QC-Batch: 1999/08/13-02.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	3.4	1.0	mg/Kg	1.00	08/13/1999 22:06	ndp
<i>Surrogate(s)</i> o-Terphenyl	80.8	60-130	%	1.00	08/13/1999 22:06	

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M

Diesel

Sample ID: <b>BW1-0.5</b>	Lab Sample ID: <b>1999-08-0169-014</b>
Project: Fallon Road	Received: 08/12/1999 14:58
Sampled: 08/12/1999 12:54	Extracted: 08/13/1999 09:00
Matrix: Soil	QC-Batch: 1999/08/13-02.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	7.0	1.0	mg/Kg	1.00	08/13/1999 22:42	ndp
<i>Surrogate(s)</i> o-Terphenyl	94.8	60-130	%	1.00	08/13/1999 22:42	

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M

Diesel

Sample ID: <b>B1,2,3,4,5-1.0/P1-1.0 COMP</b>	Lab Sample ID: <b>1999-08-0169-021</b>
Project: <b>Fallon Road</b>	Received: <b>08/12/1999 14:58</b>
Sampled: <b>08/12/1999</b>	Extracted: <b>08/16/1999 09:00</b>
Matrix: <b>Soil</b>	QC-Batch: <b>1999/08/16-01.10</b>
Sample/Analysis Flag: shc ( See Legend & Note section )	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	310	1.0	mg/Kg	1.00	08/18/1999 21:02	
<i>Surrogate(s)</i> o-Terphenyl	320.9	60-130	%	1.00	08/18/1999 21:02	

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015MBatch QC Report  
Diesel

Method Blank	Soil	QC Batch # 1999/08/13-02.10
MB: 1999/08/13-02.10-001	Date Extracted: 08/13/1999 09:24	

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	1	mg/Kg	08/13/1999 20:53	
<i>Surrogate(s)</i> o-Terphenyl	89.5	60-130	%	08/13/1999 20:53	

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M**Batch QC Report**  
Diesel

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 1999/08/13-01.10</b>
MB: 1999/08/13-01.10-001		Date Extracted: 08/13/1999 09:00

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	1	mg/Kg	08/13/1999 12:59	
<b>Surrogate(s)</b>					
o-Terphenyl	88.5	60-130	%	08/13/1999 12:59	

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**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M**Batch QC Report**  
Diesel

<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 1999/08/16-01.10</b>
MB: 1999/08/16-01.10-001		Date Extracted: 08/16/1999 09:00

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	1	mg/Kg	08/17/1999 14:18	
<b>Surrogate(s)</b>					
o-Terphenyl	85.0	60-130	%	08/17/1999 14:18	

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn: Steve Michelson

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

## Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD)		Soil		QC Batch # 1999/08/13-02.10			
LCS:	1999/08/13-02.10-002	Extracted:	08/13/1999 09:24	Analyzed:	08/14/1999 00:31		
LCSD:	1999/08/13-02.10-003	Extracted:	08/13/1999 09:24	Analyzed:	08/14/1999 01:08		

Compound	Conc. [mg/Kg]		Exp. Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Diesel	34.5	40.6	41.7	41.7	82.7	97.4	16.3	60-130	25		
<b>Surrogate(s)</b> o-Terphenyl	21.6	21.7	20.0	20.0	108.0	108.5		60-130			

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-08-0169

To: **MECA**  
Attn: Steve Michelson

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

## Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD)		Soil		QC Batch # 1999/08/13-01.10			
LCS:	1999/08/13-01.10-002	Extracted:	08/13/1999 09:00	Analyzed:	08/13/1999 16:38		
LCSD:	1999/08/13-01.10-003	Extracted:	08/13/1999 09:00	Analyzed:	08/13/1999 17:14		

Compound	Conc. [mg/Kg]		Exp. Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Diesel	41.0	40.1	41.7	41.7	98.3	96.2	2.2	60-130	25		
<b>Surrogate(s)</b> o-Terphenyl	20.8	20.8	20.0	20.0	104.0	104.0		60-130			

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**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: MECA  
Attn: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M**Batch QC Report**

Diesel

Laboratory Control Spike (LCS/LCSD)		Soil		QC Batch # 1999/08/16-01.10	
LCS:	1999/08/16-01.10-002	Extracted:	08/16/1999 09:00	Analyzed:	08/17/1999 15:19
LCSD:	1999/08/16-01.10-003	Extracted:	08/16/1999 09:00	Analyzed:	08/17/1999 15:51

Compound	Conc. [mg/Kg]		Exp. Conc. [mg/Kg]		Recovery [%]			RPD		Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD		
Diesel	32.0	27.7	41.7	41.7	76.7	66.4	14.4	60-130	25				
Surrogate(s) o-Terphenyl	21.0	18.9	20.0	20.0	105.0	94.5		60-130					

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**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0169

To: MECA  
Attn: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M**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

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# CHROMALAB, INC.

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Reference #: \_\_\_\_\_  
Chain of Custody

Environmental Services (SD) (D01S 1094)

DATE 8-12-99 PAGE 1 OF 145

PROJECT INFORMATION				ANALYSIS REPORT																					
PROJECT NAME: <u>Fallon Road</u>		TOTAL NO OF CONTAINERS		TPH (EPA 8015, 8020) <input type="checkbox"/> Gas w/ <input type="checkbox"/> BTEX DMTR <input type="checkbox"/> BTEX (EPA 8020) TPH-Diesel (EPA 8015M) TETP (EPA 8015M) <input type="checkbox"/> Diesel <input type="checkbox"/> M.G.O. <input type="checkbox"/> Other PURGEABLE HALOCARBONS, (BYOC) (EPA 8160) VOLATILE ORGANICS (VOC) (EPA 8260) SEMI-VOLATILES (EPA 8270) TOTAL OIL AND GREASE (SM 5520 B - F - F - F) <input type="checkbox"/> PESTICIDES (EPA 8080) <input type="checkbox"/> PCB'S (EPA 8080) PHAL'S BY <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 <input type="checkbox"/> Spec. Cond. OTSS DTDS LUFT METALS: Cd, Cr, Pb, Ni, Zn CAA 17 METALS (EPA 8010/7470/7471) TOTAL LEAD DW-1, 151-C DTCP <input type="checkbox"/> Hexavalent Chromium <input type="checkbox"/> pH (24 hr. hold time for 8210)												NUMBER OF CONTAINERS									
BAMBLE ID	DATE	TIME	MATRIX	PRESERV.	TPH (EPA 8015, 8020)	PURGEABLE AROMATICS	BTEX (EPA 8020)	TPH-Diesel (EPA 8015M)	TETP (EPA 8015M)	PURGEABLE HALOCARBONS, (BYOC) (EPA 8160)	VOLATILE ORGANICS (VOC) (EPA 8260)	SEMI-VOLATILES (EPA 8270)	TOTAL OIL AND GREASE (SM 5520 B - F - F - F)	PESTICIDES (EPA 8080)	PCB'S (EPA 8080)	PHAL'S BY <input type="checkbox"/> 8270	Spec. Cond. OTSS DTDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CAA 17 METALS (EPA 8010/7470/7471)	TOTAL LEAD	DW-1, 151-C DTCP	Hexavalent Chromium	pH (24 hr. hold time for 8210)	NUMBER OF CONTAINERS	
B1-05	8/2/99	1020	Solid	Ice																					
B1-15		1032																							
B2-05		1038																							
B2-15		1046																							
B3-05		1050																							
B3-15		1100																							
B4-05		1105																							
B4-15		1114																							
B5-05		1126																							

# CHROMALAB, INC.

1220 Quarry Lane • Pleasanton, California 94560-4756  
510/404-1910 • Facsimile 510/404-1090

Reference #: \_\_\_\_\_  
Chain of Custody

Environmental Services (SD) (D01S 1094)

DATE 8-12-99 PAGE 2 OF 145

PROJECT INFORMATION				ANALYSIS REPORT																					
PROJECT NAME: <u>Fallon Road</u>		TOTAL NO OF CONTAINERS		TPH (EPA 8015, 8020) <input type="checkbox"/> Gas w/ <input type="checkbox"/> BTEX DMTR <input type="checkbox"/> BTEX (EPA 8020) TPH-Diesel (EPA 8015M) TETP (EPA 8015M) <input type="checkbox"/> Diesel <input type="checkbox"/> M.G.O. <input type="checkbox"/> Other PURGEABLE HALOCARBONS, (BYOC) (EPA 8160) VOLATILE ORGANICS (VOC) (EPA 8260) SEMI-VOLATILES (EPA 8270) TOTAL OIL AND GREASE (SM 5520 B - F - F - F) <input type="checkbox"/> PESTICIDES (EPA 8080) <input type="checkbox"/> PCB'S (EPA 8080) PHAL'S BY <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 <input type="checkbox"/> Spec. Cond. OTSS DTDS LUFT METALS: Cd, Cr, Pb, Ni, Zn CAA 17 METALS (EPA 8010/7470/7471) TOTAL LEAD DW-1, 151-C DTCP <input type="checkbox"/> Hexavalent Chromium <input type="checkbox"/> pH (24 hr. hold time for 8210)												NUMBER OF CONTAINERS									
BAMBLE ID	DATE	TIME	MATRIX	PRESERV.	TPH (EPA 8015, 8020)	PURGEABLE AROMATICS	BTEX (EPA 8020)	TPH-Diesel (EPA 8015M)	TETP (EPA 8015M)	PURGEABLE HALOCARBONS, (BYOC) (EPA 8160)	VOLATILE ORGANICS (VOC) (EPA 8260)	SEMI-VOLATILES (EPA 8270)	TOTAL OIL AND GREASE (SM 5520 B - F - F - F)	PESTICIDES (EPA 8080)	PCB'S (EPA 8080)	PHAL'S BY <input type="checkbox"/> 8270	Spec. Cond. OTSS DTDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CAA 17 METALS (EPA 8010/7470/7471)	TOTAL LEAD	DW-1, 151-C DTCP	Hexavalent Chromium	pH (24 hr. hold time for 8210)	NUMBER OF CONTAINERS	
B5-15	8/2/99	1136	Solid	Ice																					1
PL-05		1140																							1
PL-15		1148																							1
B51-05		1240																							1
BWL-05		1254																							1
				LAST ENTRY FOR PAGE 2 of 4																					



# CHROMALAB, INC.

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510/484-1010 • Facsimile 510/484-1086

Reference #:

## Chain of Custody

DATE 8-12-99 PAGE 5 of 5

Environmental Services (SES) (DHS 1094)

CLIENT INFORMATION				SAMPLE RECEIPT		ANALYSIS REPORT															
PROJECT NAME: <u>Fallon Road</u> PROJECT NUMBER: P.O.#:				TOTAL NO. OF CONTAINERS: HEAD SPACE: TEMPERATURE: C: IN DIMS TO RECORD:		RECEIVED BY: <u>[Signature]</u> (DATE) <u>1458</u> RECEIVED BY: <u>[Signature]</u> (DATE) <u>3029</u> RECEIVED BY: <u>[Signature]</u> (DATE) <u>FBI</u>															
SPECIAL INSTRUCTIONS/COMMENTS: Report: (1) Routine (2) Level 2 (3) Level 3 (4) Level 4 (5) Electronic Report <u>Hold samples pending possible analysis as directed by Steve Michelson</u>				RECEIVED BY: <u>[Signature]</u> (DATE) <u>[Signature]</u> (DATE) <u>[Signature]</u> (DATE) RECEIVED BY: <u>[Signature]</u> (DATE) <u>[Signature]</u> (DATE) <u>[Signature]</u> (DATE)		RECEIVED BY: <u>[Signature]</u> (DATE) <u>[Signature]</u> (DATE) <u>[Signature]</u> (DATE) RECEIVED BY: <u>[Signature]</u> (DATE) <u>[Signature]</u> (DATE) <u>[Signature]</u> (DATE)															
PROJECT NAME: <u>Fallon Road</u> PROJECT NUMBER: P.O.#:				TOTAL NO. OF CONTAINERS: HEAD SPACE: TEMPERATURE: C: IN DIMS TO RECORD:		RECEIVED BY: <u>[Signature]</u> (DATE) <u>1458</u> RECEIVED BY: <u>[Signature]</u> (DATE) <u>3029</u> RECEIVED BY: <u>[Signature]</u> (DATE) <u>FBI</u>															
SPECIAL INSTRUCTIONS/COMMENTS: Report: (1) Routine (2) Level 2 (3) Level 3 (4) Level 4 (5) Electronic Report <u>Hold samples pending possible analysis as directed by Steve Michelson</u>				RECEIVED BY: <u>[Signature]</u> (DATE) <u>[Signature]</u> (DATE) <u>[Signature]</u> (DATE) RECEIVED BY: <u>[Signature]</u> (DATE) <u>[Signature]</u> (DATE) <u>[Signature]</u> (DATE)		RECEIVED BY: <u>[Signature]</u> (DATE) <u>[Signature]</u> (DATE) <u>[Signature]</u> (DATE) RECEIVED BY: <u>[Signature]</u> (DATE) <u>[Signature]</u> (DATE) <u>[Signature]</u> (DATE)															

**CHROMALAB, INC.**  
Environmental Services (SES)

Submission #: 1999-08-0315  
Date: August 27, 1999

MECA  
42 California Avenue  
Orinda, CA 94563  
Attn: Mr. Steve Michelson

Project: Fallon Road

Dear Steve,  
Attached is our report for your samples received on Thursday August 12, 1999.  
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 September 11, 1999 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.

Sincerely,  
*Gary Cook*  
Gary Cook



**CHROMALAB, INC.**  
Environmental Services (SDB)

Submission #: 1999-08-0315

Diesel

MECA

☐ 42 California Avenue  
Orinda  
CA 94563

Attn: Steve Michelson

Phone: (925) 258-9200 Fax: (925) 258-9867

Project #:

Project: Fallon Road

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
B3-3.0	Solid	08/12/1999 12:12	1
B3-5.0	Solid	08/12/1999 12:20	2
B3-8.7	Solid	08/12/1999 14:06	3
P1-3.0	Solid	08/12/1999 12:33	4

**CHROMALAB, INC.**  
Environmental Services (SDB)

Submission #: 1999-08-0315

To: MECA

Test Method: 8015m

Attn.: Steve Michelson

Prep Method: 3550/8015M

Diesel

Sample ID: B3-3.0

Lab Sample ID: 1999-08-0315-001

Project: Fallon Road

Received: 08/12/1999

Sampled: 08/12/1999 12:12

Extracted: 08/24/1999 09:00

Matrix: Solid

QC-Batch: 1999/08/24-01.10

Sample/Analysis Flag: shc ( See Legend & Note section )

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	1100	10	mg/Kg	10.00	08/25/1999 11:43	
Surrogate(s) o-Terphenyl	668.0	60-130	%	10.00	08/25/1999 11:43	

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0315

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M

Diesel

Sample ID: <b>B3-5.0</b>	Lab Sample ID: <b>1999-08-0315-002</b>
Project: <b>Fallon Road</b>	Received: <b>08/12/1999</b>
Sampled: <b>08/12/1999 12:20</b>	Extracted: <b>08/24/1999 09:00</b>
Matrix: <b>Solid</b>	QC-Batch: <b>1999/08/24-01.10</b>

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	16	1.0	mg/Kg	1.00	08/25/1999 11:43	
<b>Surrogate(s)</b> o-Terphenyl	82.7	60-130	%	1.00	08/25/1999 11:43	

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

Printed on: 08/27/1999 14:45

Page 3 of 8

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0315

To: **MECA**  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M

Diesel

Sample ID: <b>B3-8.7</b>	Lab Sample ID: <b>1999-08-0315-003</b>
Project: <b>Fallon Road</b>	Received: <b>08/12/1999</b>
Sampled: <b>08/12/1999 14:06</b>	Extracted: <b>08/24/1999 09:00</b>
Matrix: <b>Solid</b>	QC-Batch: <b>1999/08/24-01.10</b>

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	5.5	1.0	mg/Kg	1.00	08/24/1999 19:38	
<b>Surrogate(s)</b> o-Terphenyl	70.6	60-130	%	1.00	08/24/1999 19:38	

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Page 4 of 8

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0315

To: MECA  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015M

Diesel

Sample ID: P1-3.0	Lab Sample ID: 1999-08-0315-004
Project: Fallon Road	Received: 08/12/1999
Sampled: 08/12/1999 12:33	Extracted: 08/24/1999 09:00
Matrix: Solid	QC-Batch: 1999/08/24-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	4.2	1.0	mg/Kg	1.00	08/24/1999 20:15	
<i>Surrogate(s)</i> o-Terphenyl	80.3	60-130	%	1.00	08/24/1999 20:15	

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
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Page 5 of 8

**CHROMALAB, INC.**

Environmental Services (SDB)

Submission #: 1999-08-0315

To: MECA  
Attn.: Steve MichelsonTest Method: 8015m  
Prep Method: 3550/8015MBatch QC Report  
Diesel

Method Blank	Soil	QC Batch # 1999/08/24-01.10
MB: 1999/08/24-01.10-001		Date Extracted: 08/24/1999 09:00

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	1	mg/Kg	08/24/1999 15:24	
<i>Surrogate(s)</i> o-Terphenyl	91.0	60-130	%	08/24/1999 15:24	

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Page 6 of 8

**CHROMALAB, INC.**  
Environmental Services (SDB)

Submission #: 1999-08-0315

To: MECA  
Attn: Steve Michelson

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

Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD)	Soil	QC Batch # 1999/08/24-01.10
LCS: 1999/08/24-01.10-002	Extracted: 08/24/1999 09:00	Analyzed: 08/24/1999 16:17
LCSD: 1999/08/24-01.10-003	Extracted: 08/24/1999 09:00	Analyzed: 08/24/1999 16:49

Compound	Conc. [mg/Kg]		Exp. Conc. [mg/Kg]		Recovery [%]			Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	RPD	Recovery	RPD	LCS	LCSD
Diesel	31.0	29.8	41.7	41.7	74.3	71.5	3.8	60-130	25		
Surrogate(s) o-Terphenyl	22.8	18.4	20.0	20.0	114.0	92.0		60-130			

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Page 7 of 8

**CHROMALAB, INC.**  
Environmental Services (SDB)

Submission #: 1999-08-0315

To: MECA  
Attn: Steve Michelson

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

Legend & Notes

Diesel

Analysis Flags  
shc

Surrogate recoveries biased high due to hydrocarbon co-elution

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

Printed on: 08/27/1999 14:45

Page 8 of 8



# CHROMALAB, INC.

Environmental Services (SOB)

September 13, 1999

MECA  
Attn: Steve Michelson  
42 California Ave.  
Orinda, Ca 94563

Dear Steve:

Enclosed are the hard copy subcontract report(s) for ChromaLab's submission number 1999-08-0169. Your project number Fallon Road. You were mailed the fax copies with your original data package because the subcontract copies were not yet available.

**These are for your records only.**

We apologize for any inconvenience.

If you have any questions or need more information, please do not hesitate to give me a call.

Sincerely,



Tina Totorica  
Administrative Assistant

Enclosures

September 1, 1999

ELAP No.: 1838

Chromalab, Inc.  
1220 Quarry Lane  
Pleasanton, CA 94566-4756

ATTN: Pierre Monette


Client's Project: PO#10611  
Lab No.: 37656-001

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Sample for TOC was subcontracted to Associated Labs with DOHS Cert. #1338.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,



Cheryl De Los Reyes  
Technical Operations Manager  
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

1220 Quarry Lane • Pleasanton, California 94566-4756  
(925) 484-1919 • Facsimile (925) 484-1096  
Federal ID #68-0140157



Advanced Technology  
Laboratories

1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040



**ASSOCIATED LABORATORIES**

806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Advanced Technology Labs (5153)  
 ATTN: Rachelle Arada  
 1510 East 33rd Street  
 Signal Hill, CA 90807

LAB REQUEST 41668

REPORTED 8/30/99  
 RECEIVED 8/26/99

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.  
139290

Client Sample Identification  
37656-001/1999-08-0169-21

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by:

Edward S. Behart, Ph.D.  
 Vice President

*NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Lab request 41668 cover page 1 of 1

TESTING & CONSULTING  
 Chemical  
 Microbiological  
 Environmental

Order #: 139290  
 Matrix: SOLID  
 Date Sampled: 8/27/99  
 Time Sampled:  
 Sampled By:

Client: Advanced Technology Labs  
 Client Sample ID: 37656-001/1999-08-0169-21

Analyte	Result	DF	DLR	Units	Date/Analyst
<u>CEA_S18_0.TOC in Solid Samples</u>					
TOC	0.38	1	0.01	%	8/27/99 HK

DLR = Detection limit for reporting purposes. ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES** Analytical Results Report

Lab Request 41668 results page 1 of 1



**ASSOCIATED LABORATORIES**  
 QA REPORT FORM - INORGANICS

QC Sample: LR 41669 - 139293  
 Matrix: SOLID  
 Prep. Date: 08/27/99  
 Analysis Date: 08/27/99  
 ID#'s in Batch: LR 40727, 41668, 41669

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = %

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
TOC	S18.0	0.02	0.40	0.44	0.44	105	105	0.0

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS &amp; MSD = Percent Recovery of Matrix Spike &amp; Matrix Spike Duplicate

%REC LIMITS = 75 - 125

RPD LIMITS = 20

## PRÉPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	1.06	1	106	80%	120%

Value = Preparation Blank Value; ND = "U" for Not-Detected

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit: H.Limit = 100% ± 20% Limit

## Chain of Custody 1999-08-0169-1

Date Shipped: 08/12/1999

From: **ChromaLab, Inc. (CL)**  
 1220 Quarry Lane  
 Pleasanton, CA 94566-4756

To: **Advanced Technology Labs**  
 1510 East 33rd Street  
 Signal Hill, CA 90807

Project Manager: Pierre Monette  
 Phone: (925) 484-1919 Ext: 100  
 Fax: (925) 484-1096  
 Email:

Phone: (562) 989-4045  
 Fax: (562) 989-4040  
 Contact: Pam  
 Phone: (562) 989-4040

CL Submission #: 1999-08-0169

Project #:

CL PO #:

Project Name: Fallon Road

Client Sample ID	CL#	Sampled	Matrix	Method	Due
B1,2,3,4,5-1.0/P1-1.0 COMP	021	08/12/1999	Soil		
Subcontract tests that are not listed: <i>DBH</i>					08/26/1999 17:00

Analyze for TOC

Standard TA

RELINQUISHED BY:	1	RELINQUISHED BY:	2	RELINQUISHED BY:	3
<i>Nemec Harrington</i>	Signature	<i>D. Harrington</i>	Signature		Signature
<i>D. Harrington</i>	Type	<i>1630</i>	Time		Time
<i>Chrometal</i>	Printed Name	<i>8/12/99</i>	Date		Printed Name
	Date		Date		Date
	Company		Company		Company
<i>Diane Galvan</i>	Signature	<i>Diane Galvan</i>	Signature		Signature
<i>ATL</i>	Type	<i>10:30</i>	Time		Time
<i>ATL</i>	Printed Name	<i>8-13-99</i>	Date		Printed Name
	Date		Date		Date
	Company		Company		Company

8/30/99

18.0\_TOC\_0827S.XLS