Terry Tamminen
Agency Secretary
Cal/EPA

Department of Toxic Substances Control

Edwin F. Lowry, Director
700 Heinz Avenue, Suite 200
Berkeley, California 94710-2721

Arnold Schwarzenegger
Governor

SAMPLING REPORT

Call Mac Transportation
461 McGraw Road
Livermore, California 94551
EPA ID Number CAC002567140

Report Completed by: Robert Aragon, P.E., MS

Investigation Date: November 20, 2003

Report Date: January 6, 2004

I. PURPOSE

The Alameda County Office of the District Attorney requested assistance from the Department of Toxic Substances Control's Task Force Support/Special Investigations Branch (TFS/SIB) in their investigation of illegal activity at Call Mac Transportation. The purpose of the inspection was to take samples from tanks, containers, and soil to determine if hazardous waste has been stored or disposed of on the property. The inspection was coordinated with the Livermore/Pleasanton Fire Department.

II. REPRESENTATIVES PRESENT

Call Mac Transportation:
Joe Estrade
Tom Mackey

Livermore-Pleasanton Fire Department:
John Rigter, Hazardous Materials Inspector

Alameda County Office of the District Attorney:
Hansen Pang, Inspector

Department of Toxic Substances Control (DTSC):
Robert Aragon, Senior Hazardous Substances Engineer

III. BACKGROUND

I took aerial photographs on October 3, 2003. On November 13, 2003, I conducted an inspection of the property with Michael Pixton of DTSC's Emergency Response Unit. The purpose of the inspection was to take an inventory of potential hazardous waste in each tank and trailer and to identify sampling points. An inspection report was written and is dated December 2, 2003.

The aerial photographs were used to give each trailer or tank on the property a number. There were 71 trailers and five tanks. The aerial photographs, labeled with the trailer numbers, are shown below in photos no. 1-3.

We were given permission to conduct the November 13 inspection and the November 20 sampling event by Juliet Mackey via a Consent for Entry and Access form shown in Attachment A.

IV. MAP and AERIAL PHOTOGRAPHS

A map of the site is shown in Figure 1. Photos no. 1, 2, and 3 are aerial photos taken on October 3, 2003. The numbers on the photos are the trailer or tank numbers used in this report.

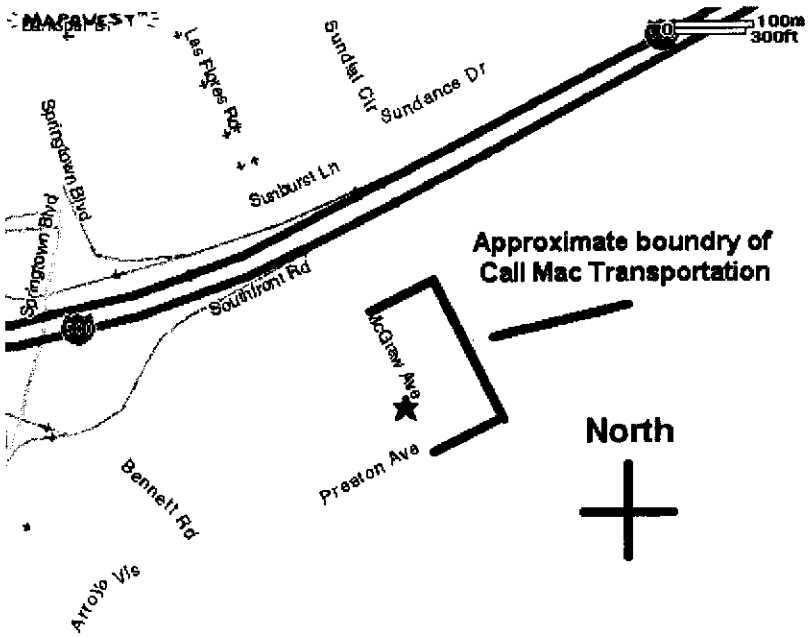

Figure 1: The location of the site at 461 McGraw Road, Livermore, California.

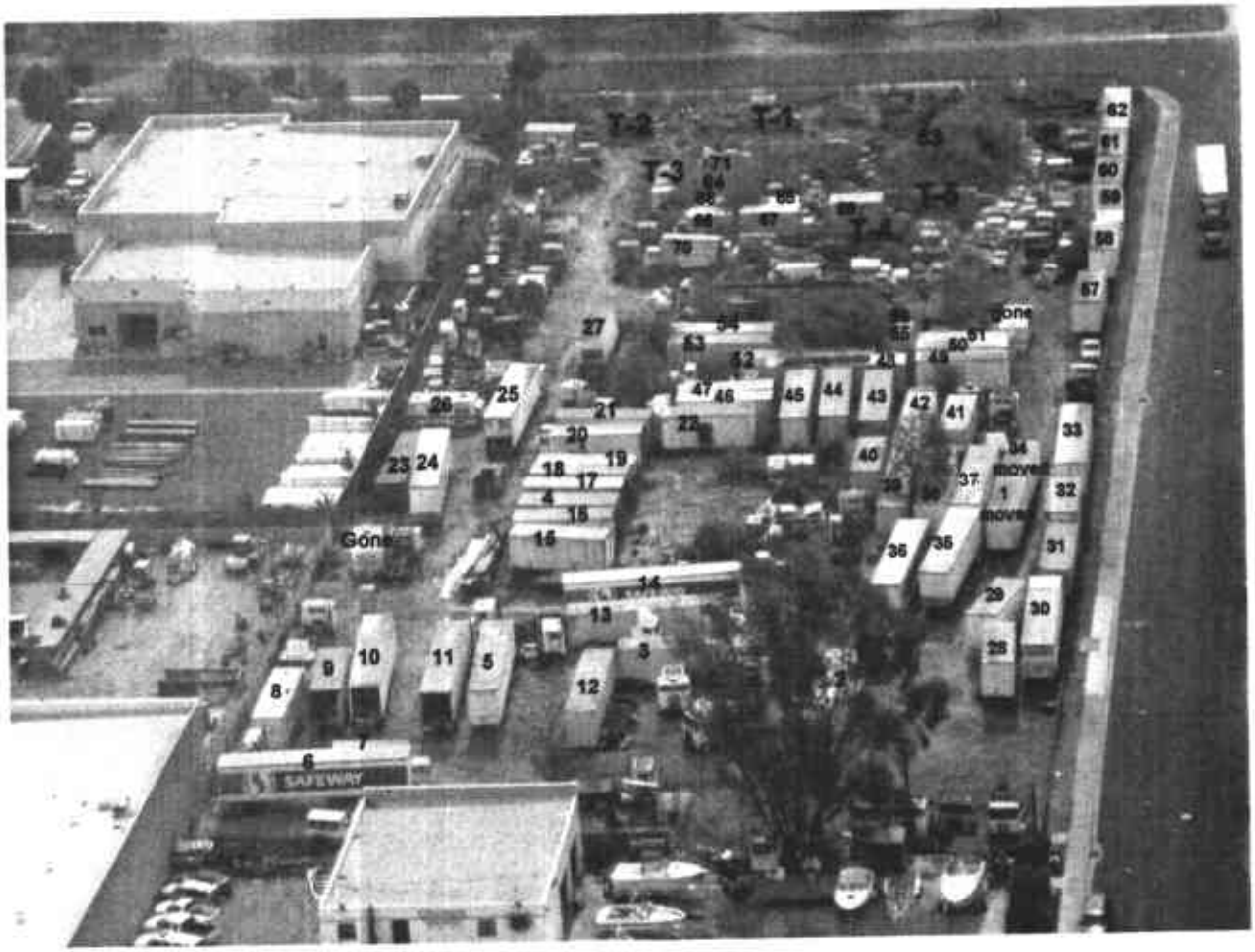

Photo no. 1: Aerial photo looking south with trailers labeled. McGraw Road is on the right (photo taken on Oct. 3, 2003).

Photo no. 2: Aerial photo with trailers labeled
(photo taken on Oct. 3, 2003).

Photo no. 3: Aerial photo looking north with trailers labeled (photo taken on Oct. 3, 2003).

V. SAMPLING

Mr. Pang took the samples while I assisted him. We took twelve samples during the day including four samples from drums, two samples from tanks, five soil samples and one background soil sample. The sample locations and descriptions are shown below in Table No. 1, along with the type of analysis that was requested.

All of the samples were taken with new clean sampling equipment and placed into two, new, clean 16-ounce glass jars with Teflon lids. We put evidence tape around each sample and then took photos of the samples. At the end of the day we gave one jar from each sampling location to Mr. Mackey.

Sample ID	Location	Sample Description	pH	Metals	n-Hexane Extractable (TPH)	Flash Point	% Gas-oline
CM01	Drum inside trailer no. 3	Thick, black sludge		X	X	X	
CM02	Drum inside trailer no. 4	White solid	X				
CM03	Drum inside trailer no. 4	White solid	X				
CM04	Tank T-1	Dark solid and brown soil mixture		X	X		
CM05	Soil under tank T-1	Dark soil		X	X		
CM06	Tank T-2	Amber colored liquid, possibly diesel fuel, contaminated with dirt		X	X	X	
CM07	Soil next to tank T-2	Dark soil		X	X		
CM08	Soil under tank T-3	Dark soil		X	X		

Sample ID	Location	Sample Description	pH	Metals	n-Hexane Extractable (TPH)	Flash Point	% Gas-oline
CM09	Drum in trailer no. 55	Dark liquid that looked like waste oil but had a gasoline smell		X	X	X	X
CM10	Soil north of trailer no. 3	Dark soil		X	X		
CM11	Soil east of trailer no. 13	Dark soil		X	X		
CM12	Background soil west of trailer no. 30	Brown soil		X	X		

Table No. 1: Sample locations, descriptions, and the requested analysis.

Sample CM01, Drum in Trailer No. 3:

Sample CM01 was taken from a rusty, metal, 55-gallon drum in trailer no. 3. The drum was marked DI-14 and is shown below in photo no. 4. Mr. Pang used a new plastic scoop to collect the sample, which was thick, black material. The drum was two-thirds full and there were three other full 55-gallon drums of the same material in trailer no. 3.

Photo no. 4: Sample CM01 was taken from the drum labeled DI-14.

Photo no. 5: Sample CM01 was taken from this thick dark material inside of the drum.

Photo no. 6: Sample CM01 after it was taken.

Samples CM02 and CM03, Drums in Trailer no. 4:

Samples CM02 and CM03 came from two of the 36 rusty drums containing white caustic solids in trailer no. 4 (photo no. 7). All the drums were turned upside down and placed inside 55-gallon drums. All the drums were rusty and deteriorating.

The two drums that the samples were taken from are shown in photo no. 7. We used tools to cut open the tops of the two drums. The white material that has leaked out around the outside of the drums was flaky. The white material inside the drums we cut open was harder material. The samples came from the harder material inside of the drums (photos no. 8 & 9). Mr. Pang broke out pieces of hard material with a screwdriver and put them into the jars using new, clean gloves.

Photo no. 7: Thirty-six 55-gallon drum containing caustic solids inside of trailer no. 4. Samples CM02 and CM03 were taken from the labeled drums.

Photo no. 8: Sample CM02 after it was taken.

Photo no. 9: Sample CM03 after it was taken.

Sample CM04, Tank T-1:

Sample CM04 was taken from tank T-1. The tank is shown in photo no. 10. It had a worn out Hazardous Waste label on it that was not filled out. The label is shown in photos no. 11 and 12. The tank contained solid material that looked like dirt, with a thin black layer on the surface (photo no. 13). It also had some water, possibly rain water, on the surface. It was a little less than half full.

Mr. Pang used a new, clean metal trowel to take the sample from the top few inches of material located near the center of the tank. The sample looked like brown, wet dirt with some of the dark material from the surface included. We used a tape measure to measure the tank. It is 34 feet long and 54 inches in diameter. The height of the material in the tank was 27 inches from the bottom. The surface of the material in the tank is shown in photo no. 13 while the sample is shown in photos no. 14 and 15.

Photo no. 10: Sample CM04 was taken from this tank, T-1.

Photo no. 11: Tank T-1 had a worn out Hazardous Waste label on it.

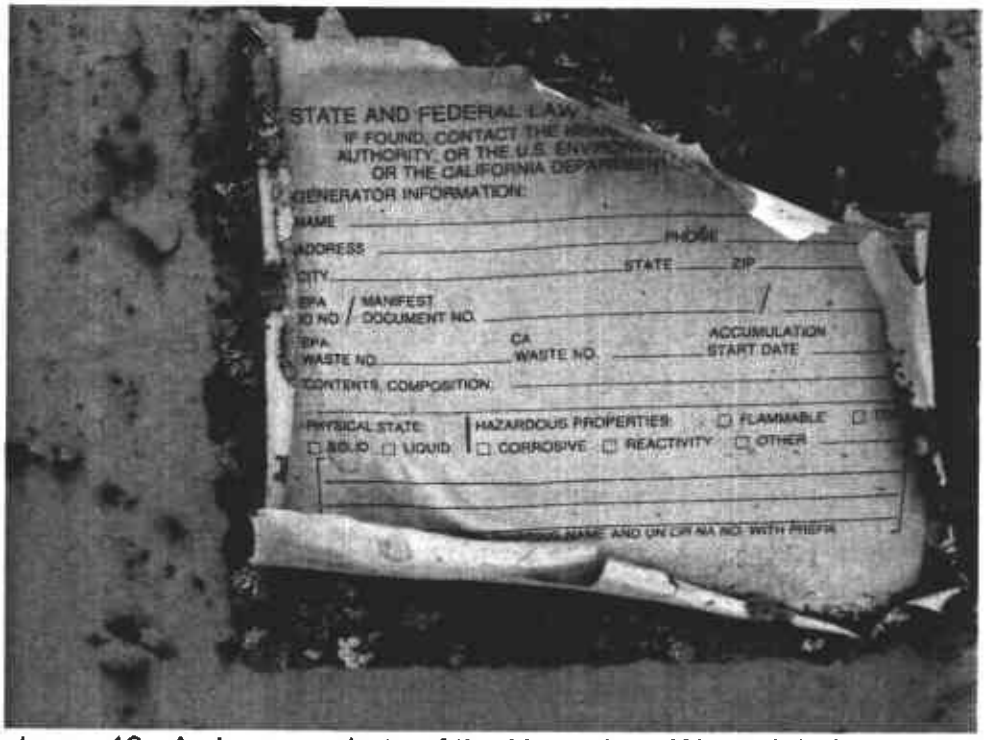

Photo no. 12: A close-up photo of the Hazardous Waste label on tank T-1.

Photo no. 13: The material inside the tank had a thin dark layer of material on the top. This photo was taken through the hole in the tank that is shown in photo no. 11.

Photo no. 14: Sample CM04 looked like brown, wet dirt.

Photo no. 15: Sample CM04 after it was taken from inside of tank T-1.

Sample CM05, Soil under Tank T-1:

Sample CM05 was taken from the soil under tank T-1. The location is shown in photo no. 16. Mr. Pang used a new, clean metal trowel to dig about two inches into the dark soil and place it into the jars.

Photo no. 16: Sample CM05 was taken from this spot under tank T-1.

Photo no. 17: Sample CM05 after it was taken.

Sample CM06, Tank T-2:

Sample CM06 was taken from the liquid inside of tank T-2, shown in photo no. 18. The tank had a worn out Hazardous Waste label on it that was not filled out. The label is shown in photos no. 18, 19 and 20. Mr. Pang used a new, clean, flexible plastic colliwasa to take the sample. There was approximately six inches of liquid in the tank. The liquid was amber colored and it was contaminated with dirt or some other dark material. The sample is shown in photo no. 21.

Photo no. 18: Sample CM06 was taken from this tank, T-2.

Photo no. 19: Tank T-2 had a worn out Hazardous Waste label on it.

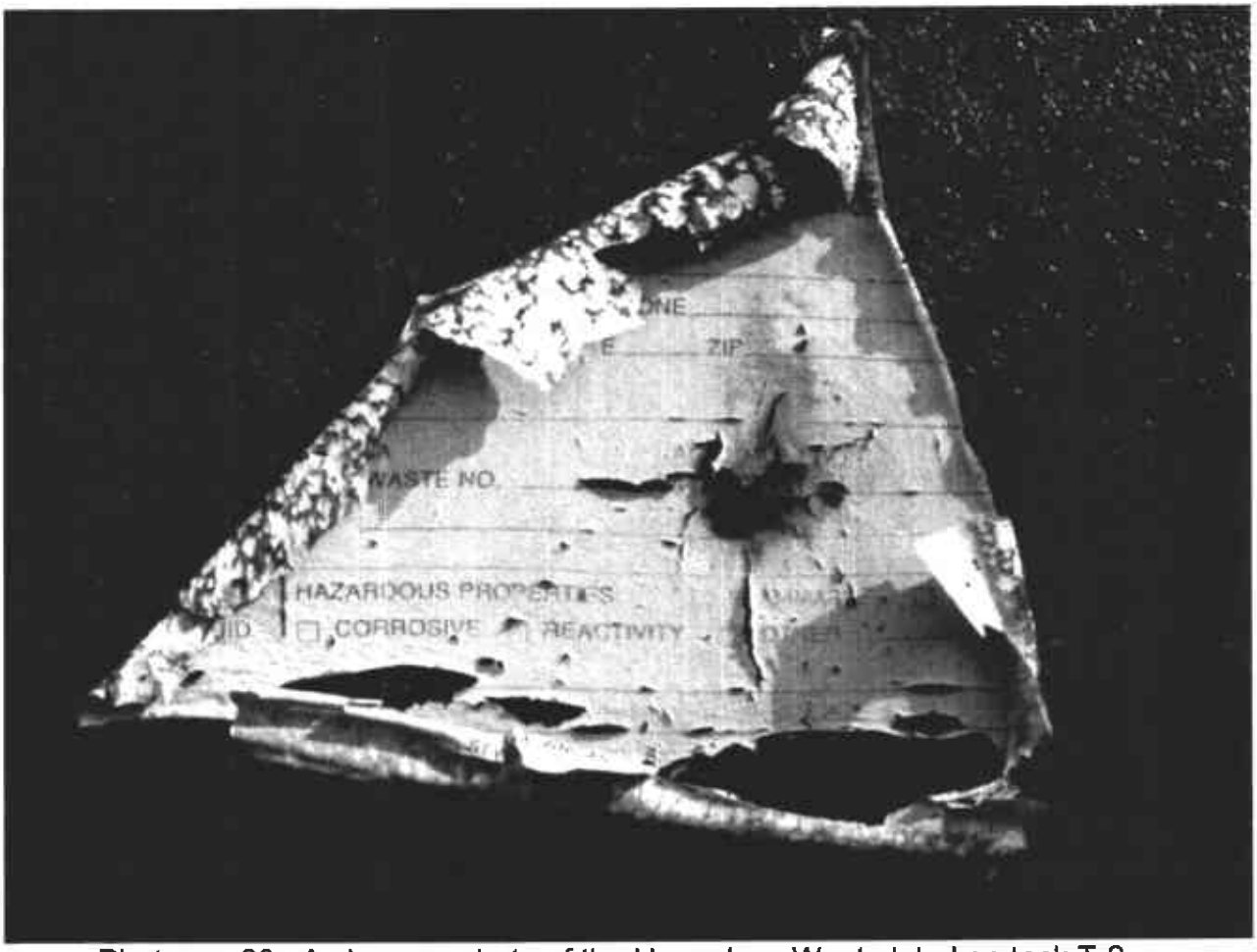

Photo no. 20: A close-up photo of the Hazardous Waste label on tank T-2.

Photo no. 21: Sample CM06 after it was taken.

Sample CM07, Soil next to Tank T-2:

Sample CM07 was taken from some dark soil next to tank T-2. The area is shown in photo no. 22, below, and is near the northwest corner of the tank. Mr. Pang dug down a few inches with a new, clean metal trowel to collect the sample. The soil was dark and appeared to be contaminated with oil.

Photo no. 22: Sample CM07 was taken from this soil next to tank T-2.

Photo no. 23: Sample CM07 after it was taken.

Sample CM08, Soil under Tank T-3:

Sample CM08 was taken from the soil directly under tank T-3, which is shown in photo no. 24. Mr. Pang dug down a few inches with a new, clean metal trowel to collect the sample. The soil was dark and appeared to be contaminated with oil.

Photo no. 24: Sample CM08 came from the soil directly under this tank, T-3.

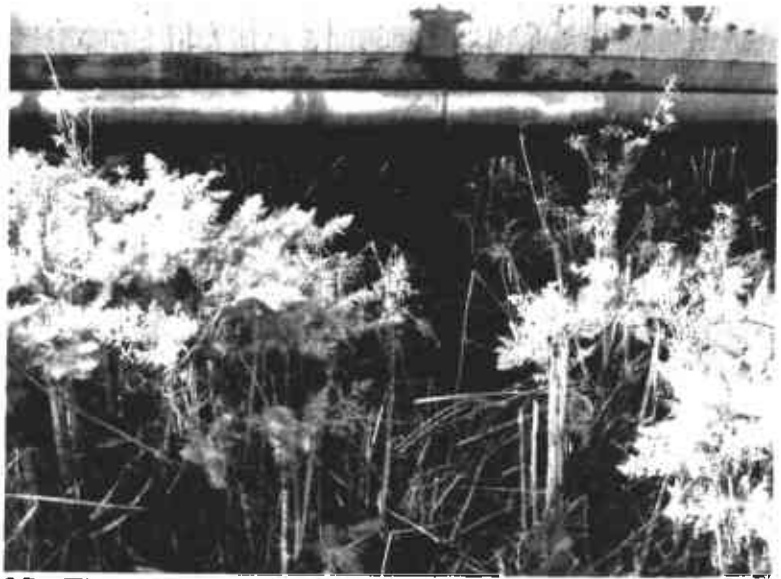

Photo no. 25: The area under tank T-3 where sample CM08 was collected.

Photo no. 26: This photo shows the dirt area before sample CM08 was taken.

Photo no. 27: Sample CM08 after it was taken.

Sample CM09, Drum in Trailer No. 55:

Sample CM09 was taken from a black, metal 55-gallon drum located in trailer no. 55. The drum is shown in the foreground of photo no. 28, below. There were no markings or labels on the drum. The other three 55-gallon drums did not contain chemicals while the smaller green container held product grease. Photo no. 29 is a close-up picture of the drum. Mr. Pang used a new, clean glass colliwassa to take the sample. The sample looked like waste oil and it had a gasoline smell to it.

Photo no. 28: Sample CM09 came from the black, metal 55-gallon drum in the foreground.

Photo no. 29: Sample CM09 was taken from this drum.

Photo no. 30: Sample CM09 after it was taken.

Sample CM10, Soil Sample:

Sample CM10 was taken from the soil directly under the fuel tank on the driver's side of the truck shown in photo no. 31. The truck was north of trailer no. 3 and east of trailer no. 2. Mr. Pang used a new, clean, metal trowel to take the sample, which was dirt and small rocks.

Photo no. 31: Sample CM10 was taken from the soil under the fuel tank on the driver's side of this truck.

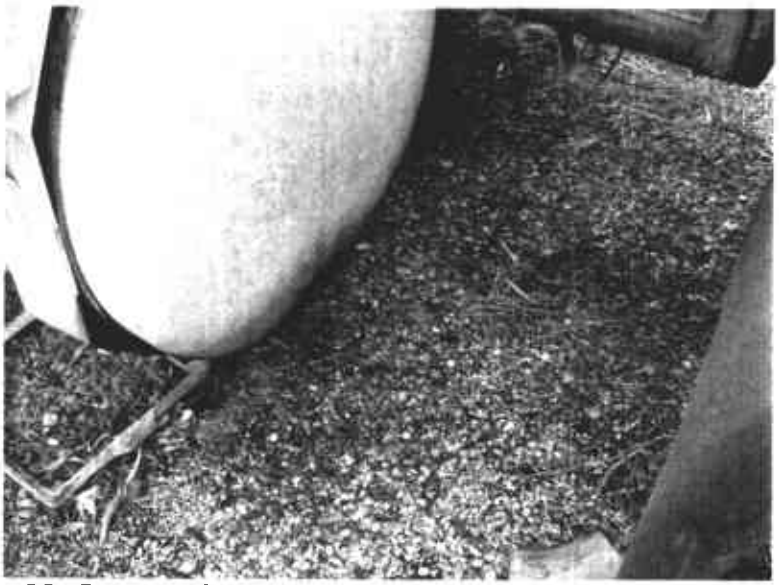

Photo no. 32: Sample CM10 was taken from the soil under the fuel tank.

Photo no. 33: Sample CM10 after it was taken.

Sample CM11, Soil Sample:

Sample CM11 was taken from the soil directly under the rear axle of the truck shown in photo no. 34, below. The truck was east of trailers no. 13 and 14 and facing east. Mr. Pang used a new, clean, metal trowel to take the sample, which was dark soil that appeared to be contaminated with oil. The soil is shown in photos no. 35 and 36.

Photo no. 34: Sample CM11 was taken from the soil under the rear end of the truck on the left.

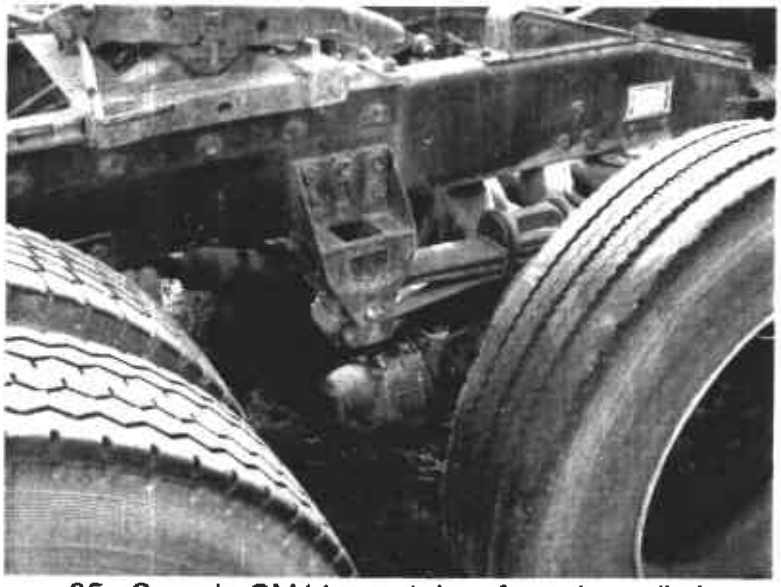

Photo no. 35: Sample CM11 was taken from the soil shown here.

Photo no. 36: This photo shows a closer view of the soil that was taken as sample CM11.

Photo no. 37: Sample CM11 after it was taken.

Sample CM12, Background Sample:

Sample CM12 is a background sample that was taken from soil in an area that we assume will not be contaminated. It was taken just outside the fence on the west side of the property, next to McGraw Road, as shown in photo no. 38. The analytical results from the background sample will be compared to the other soil samples to determine the level of contamination. Mr. Pang dug down a few inches with a new, clean metal trowel to take the sample.

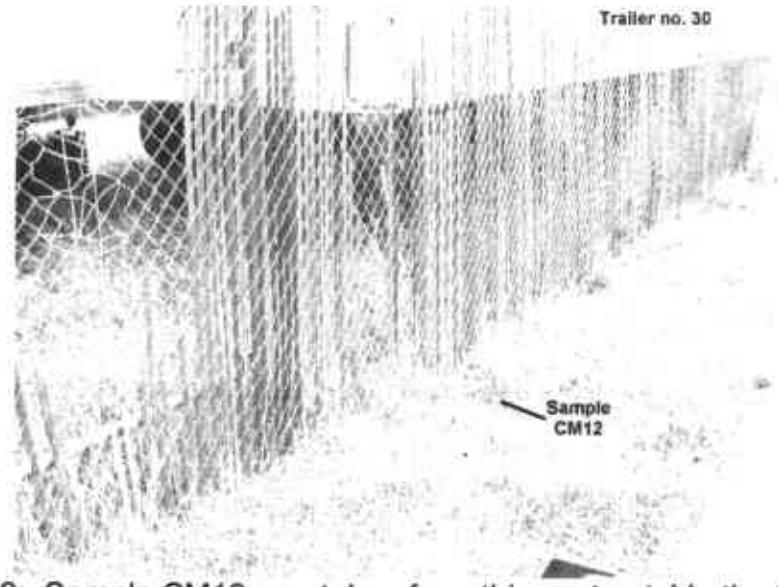

Photo no. 38: Sample CM12 was taken from this spot outside the fence next to McGraw Road.

Photo no. 39: Sample CM12 after it was taken.

I took the twenty-four sample jars and put them into new plastic bags. I separated them into two sets of CM01 through CM12. I put them into two boxes and gave one box to Mr. Mackey. I put the other box into an ice chest with lots of ice and locked them in the sampling van.

I filled out the Hazardous Materials Sample Analysis Request and Chain of Custody Form (Attachment B) and then delivered the samples to the Hazardous Materials Lab (HML) in Berkeley on November 21, 2003. I received an HML Sample Receipt from Ted Yoon of HML (Attachment B).

VI. HML RESULTS AND HAZARDOUS WASTE DETERMINATION

I requested the analysis indicated on the Hazardous Materials Sample Analysis Request and Chain of Custody Form in Attachment B. The information is also included in Table 1. The solid materials from the drums in trailer no. 4 were analyzed for corrosivity. The liquids from the drum in trailer no. 3, Tank T-2, and the drum in trailer no. 55 were analyzed for total petroleum hydrocarbons, total and soluble metals (if necessary), and ignitability. The liquid sample from the drum in trailer no. 55 was also tested for percent gasoline. The soil samples and the solid sample from tank T-1 were analyzed for total petroleum hydrocarbons and total and soluble metals (if necessary).

Corrosivity (pH) Results

The corrosivity results are dated December 10, 2003 and can be found in Attachment C. Only samples CM02 and CM03, which were solids taken from the drums in trailer no. 4, were analyzed for pH. HML added 20 milliliters (ml) of deionized water to the samples in accordance with EPA method 9040B. The results indicate both the solutions of deionized water and samples CM02 and CM03 had a pH of >13.0. Therefore, in accordance with the California Code of Regulations, Title 22, section 66261.22(a)(3), the drums in trailer no. 4 contain hazardous waste because a representative sample of the waste produced a solution having a pH of greater than 12.5. The 36 drums in trailer no. 4, shown in photo no. 7, contain hazardous waste that exhibits the characteristic of corrosivity.

Total Metal Results

The total metal results are dated December 12, 2003 (Attachment C). The results indicate sample CM09, taken from the 55-gallon drum in trailer no. 55, contained 1920 milligrams per kilogram (mg/kg) of lead. Therefore, in accordance with the California Code of Regulations, Title 22, section 66261.24(a)(2), the drum shown in photo no. 29 contains hazardous waste because a representative sample of the waste exceeds the total threshold limit concentration for lead of 1000 mg/kg. The drum contains hazardous waste that exhibits the characteristic of toxicity.

The results of the other samples analyzed for total metals do not exceed the total threshold limit concentrations.

WET (Soluble Metals) Results

The WET/soluble metals results are dated December 17, 2003 (Attachment C). It was only necessary for HML to analyze sample CM09 for soluble lead. The results indicate sample CM09 contained 140 milligrams per Liter (mg/L) of lead. Therefore, in accordance with the California Code of Regulations, Title 22, section 66261.24(a)(2), the drum shown in photo no. 29 contains hazardous waste because a representative sample of the waste exceeds the soluble threshold limit concentration for lead of 5.0 mg/L. The drum contains hazardous waste that exhibits the characteristic of toxicity.

GRO (percent gasoline) Results

The GRO/percent gasoline results are dated December 18, 2003 (Attachment C). The results are referred to as "Total Petroleum Hydrocarbons – Gasoline". Only sample CM09 was analyzed for GRO/percent gasoline. The results indicate sample CM09, taken from the drum in trailer no. 55, contained 43% gasoline. There are no regulatory levels that make the contents of the drum a hazardous waste solely because of the percent gasoline. The contents of the drum meet the criteria for hazardous waste because of toxicity and ignitability based on the other analysis.

n-Hexane Extractable Materials (TPH) Results

The n-hexane extractable material/TPH (Total Petroleum Hydrocarbons) results are dated December 16, 2003 (Attachment C). The results are shown in Table no. 2, below. There are no regulatory levels that, when exceeded, regulate a waste as a hazardous waste, solely due to the concentration of total petroleum hydrocarbons.

Sample ID	Matrix	n-Hexane Extractable Results (TPH)
CM01	Organic Liquid	130,000
CM04	Soil	17,000
CM05	Soil	ND
CM06	Organic Liquid	380,000
CM07	Soil	23,000
CM08	Soil	16,000
CM09	Organic Liquid	250,000

Sample ID	Matrix	n-Hexane Extractable Results (TPH)
CM10	Soil	530
CM11	Soil	12,000
CM12	Soil	110

Table No. 2: n-Hexane Extractable Materials (TPH)

ND = Not Detected

Ignitability Results

The ignitability results are dated November 26, 2003 (Attachment C). Samples CM06 and CM09 were the only samples analyzed for ignitability. HML did not analyze sample CM01 due to its solid matrix. Sample CM06 had a flash point of >140°F. Sample CM09, taken from the 55-gallon drum in trailer no. 55, had a flash point of 78°F. Therefore, in accordance with the California Code of Regulations, Title 22, section 66261.21(a)(1), the drum shown in photo no. 29 contains hazardous waste because a representative sample of the waste has a flash point of less than 140°F. The drum contains hazardous waste that exhibits the characteristic of ignitability.

VII. ATTACHMENTS

A. Consent for Entry and Access dated November 3, 2003 (1 page).
B. Hazardous Materials Sample Analysis Request and Chain of Custody Form (2 pages), and HML Sample Receipt (1 page).
C. HML Results:
Corrosivity (pH) results dated December 10, 2003 (2 pages);
Total Metal results dated December 12, 2003 (3 pages);
WET (Soluble Metal) results dated December 17, 2003 (2 pages);
GRO (Percent Gasoline) results dated December 18, 2003 (3 pages);
n-Hexane Extractable Materials (TPH) results dated December 16, 2003 (6 pages);
Ignitability results dated November 26, 2003 (1 page).

Robert A. Aragon, P.E., MS
Senior Hazardous Substances Engineer
Task Force Support/Special Investigations Branch

Date

Attachment A

Consent for Entry and Access
November 3, 2003 (1 page)

CONSENT FOR ENTRY AND ACCESS

461 McGraw Avenue
Livermore, California

The undersigned hereby attests that they have dominion and control over the above noted property, and thus has the authority to grant legal consent for entry and access to the above noted property.

The undersigned agrees that starting upon a date to be mutually agreed upon, the following "Agencies" and associated personnel have legal consent to enter the property and to gain or be given access to all containers thereon.

The first entry is to be for the period of no longer than 2 days. The second entry, anticipated to be approximately one week later, will be for no longer than 6 days. If, at the conclusion of either the first entry period or the second entry period, additional time is required by the agencies, notice of such a need will be given to the undersigned and subsequently agreed to in writing before any additional entry is made.

If the undersigned provides a representative to assist with container entry, that individual will follow all safety and precautionary requirements of the Agencies on the site or be asked to leave.

"Agencies"—
California Department of Toxic Substance Control
Environmental Protection Agency
Alameda County District Attorney's Office
Livermore-Pleasanton Fire Department
City of Livermore

Dates of Entry—
First Entry Nov. 13 & 14, 2003
Second Entry Nov. 19, 20 & 21st 2003

Date _____
Signed _____ (Juliet Mackey)
~~Position regarding~~ Property Conservator of Crandal Mackey owner
Date 11-3-03
Witness Anna Karczag
Anna Karczag

Attachment B

Hazardous Materials Sample Analysis Request and Chain of Custody Form
(2 pages)

HML Sample Receipt (1 page)

State of California
California Environmental Protection Agency

Department of Toxic Substances Control
Hazardous Materials Laboratories

HAZARDOUS MATERIALS SAMPLE ANALYSIS REQUEST

1. Authorization Number: HMT5251

HML No. AN00799 To AN00810

2. Page 1 of 2

3. REQUESTOR: Robert Aragon

4. Phone (510) 540-3904

5. ADDRESS (To Receive Results)
700 Heinz Avenue
Berkeley, California 94710

6. FAX (510) 540-3891

7. TAT Level: (check one)
[ ] *1 [X] 2 [ ] 3 [ ] 4
* Unit Chief's Signature

8. DATE SAMPLED: NOV. 20, 2003

9. Codes (fill in all applicable codes)

a. Office	0	2
b. INDEX	4	0 4 0
c. PCA	3	6 2 1 1
d. MPC		
e. SITE	9	4 0 5 3 9+0 0
f. County	0	1

10. ACTIVITY: [ ] SCD [ ] SRPD [ ] CIB [ ] SMB [ ] FPB [ ] SPPT [X] Others

11. SAMPLING LOCATION: a. EPA ID No. CAC002567140

b. Site Cail Mac Transportation

c. Address 461 McGraw Rd., Livermore 94551
(Number / Street / City / ZIP)

12. SAMPLES:

a. ID	b. Collector's No.	c. HML No.	Sample d. Type	Container e. Type	f. Size	g. Field Information
A	CMO1	AN00799	sludge	Glass	16oz	oily sludge
B	CMO2	AN00800	Solid	Glass	16oz	Solid caustic
C	CMO3	AN00801	Solid	Glass	16oz	Solid caustic
D	CMO4	AN00802	Solid/ Soil	Glass	16oz	Tank solids
E	CMO5	AN00803	Soil	Glass	16oz	Soil
F	CMO6	AN00804	liquid	Glass	16oz	waste oil

USE CAUTION

13. ANALYSIS REQUESTED: (X desired analysis and enter I.Ds from 12.a.)

INORGANIC ANALYSIS	Sample(s) ID
X pH	B, C
X Metals Scan (6010)	A, D, E, F
Metal(s) Specific	
X WET if necessary	A, D, E, F
Cyanides	
(others, write in)	
(others, write in)	

TCLP Analysis	(only if necessary)	(do TCLP regardless)
Metals		
Mercury		
Volatiles		
Semivolatiles		
(others, write in)		

ORGANIC ANALYSIS	Sample(s) ID
CL-Pesticides (8081)	
OP-Pesticides (8141)	
PCBs (8082)	
G R O (8015B)	
D R O / Motor Oil / Both (circle one)	
X n-Hexane Extractables (1664)	A, D, E, F
X Flash Point (1020)	A, F
VOCs Including BTEX (8260)	
VOCs - LO Level (5035)	
VOCs - HI Level (5035)	
SVOCs (8270)	
PAHs (8270)	
(others, write in)	

14. ANALYSIS OBJECTIVE: (check a box)
[X] Waste Characterization
[ ] Drinking H_2O Standards (applies to DW)
[ ] Treatment Standards
[ ] Others (contact lab supervisors first)

15. DETECTION LIMIT REQUIREMENTS: (specify if known and contact lab)

16. SUPPLEMENTAL REQUESTS

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
STATEWIDE COMPLIANCE BRANCH
BERKELEY
NOV 24 2003
STATE OF CALIFORNIA EPA
RECEIVED
Initials
Date

17. LAB REMARKS:

18. CHAIN OF CUSTODY:

a. R. Aragon	R. Aragon / Sr. HSE	11 20 03	to 11 21 03
b.	TED YOON / LAB ASST	11 21 03	to 11 21 03
c.			to
d.			to

(Signature(s) / Name(s) / Title(s) / Inclusive Dates of Custody)

FIELD

LAB

COC

DTSC 1116H (REV 6/00) Make Photocopies for your File

State of California
California Environmental Protection Agency

Department of Toxic Substances Control
Hazardous Materials Laboratories

HAZARDOUS MATERIALS SAMPLE ANALYSIS REQUEST

1. Authorization Number: HMT5251

HML No. To

2. Page 2 of 2

3. REQUESTOR: Robert Aragon

4. Phone (510) 540-3904

5. ADDRESS (To Receive Results)
700 Heinz Avenue
Berkeley, California 94710

6. FAX (510) 540-3891

7. TAT Level: (check one)
[ ] *1 [X] 2 [ ] 3 [ ] 4
* Unit Chief's Signature

8. DATE SAMPLED: NOV. 20, 2003

10. ACTIVITY: [ ] SCD [ ] SRPD [ ] CIB [ ] SMB [ ] FPB [ ] SPPT [X] Others

11. SAMPLING LOCATION: a. EPA ID No. CAC002567140

b. Site: Call Mac Transportation

c. Address: 461 McGraw Rd., Livermore 94551
(Number / Street / City / ZIP)

9. Codes (fill in all applicable codes)

a. Office	02
b. INDEX	4040
c. PCA	36211
d. MPC	
e. SITE	94053900
f. County	01

12. SAMPLES:

a. ID	b. Collector's No.	c. HML No.	d. Sample Type	e. Container Type	f. Container Size	g. Field Information
A	CM07	AN00805	Soil	Glass	16oz	Soil
B	CM08	AN00806	Soil	Glass	16oz	Soil
C	CM09	AN00807	liquid	Glass	16oz	Waste oil
D	CM10	AN00808	Soil	Glass	16oz	Soil
E	CM11	AN00809	Soil	Glass	16oz	Soil
F	CM12	AN00810	Soil	Glass	16oz	Soil

13. ANALYSIS REQUESTED: (X desired analysis and enter I.Ds from 12.a.)

	INORGANIC ANALYSIS	Sample(s) ID
	pH	
X	Metals Scan (6010)	A,B,C,D,E,F
	Metal(s) Specific	
X	WET if necessary	A,B,C,D,E,F
	Cyanides	
	(others, write in)	
	(others, write in)	

	TCLP Analysis	(only if necessary)	(do TCLP regardless)
	Metals		
	Mercury		
	Volatiles		
	Semivolatiles		
	(others, write in)		

	ORGANIC ANALYSIS	Sample(s) ID
	CL-Pesticides (8081)	
	OP-Pesticides (8141)	
	PCBs (8082)	
X	G R O (8015B)	C
	D R O / Motor Oil / Both (circle one)	
X	n-Hexane Extractables (1664)	A,B,C,D,E,F
X	Flash Point (1020)	C
	VOCs Including BTEX (8260)	
	VOCs - LO Level (5035)	
	VOCs - HI Level (5035)	
	SVOCs (8270)	
	PAHs (8270)	
	(others, write in)	

14. ANALYSIS OBJECTIVE: (check a box)
[X] Waste Characterization
[ ] Drinking H_2O Standards (applies to DW only)
[ ] Treatment Standards
[ ] Others (contact Lab supervisors first)

15. DETECTION LIMIT REQUIREMENTS: (specify if known and contact lab)

16. SUPPLEMENTAL REQUESTS

Initials
Date

17. LAB REMARKS:

18. CHAIN OF CUSTODY:

	Signature(s)	Name(s) / Title (s)	Inclusive Dates of Custody
a.	R. Aragon	R. Aragon / Sr. HSE	11 20 03 to 11 21 03
b.		TED YOON / LAB ASST	11 21 03 to 11 21 03
c.			to
d.			to

FIELD

LAB

COC

DTSC 1116H (REV 6/00) Make Photocopies for your File

California Department of Toxic Substance Control
Hazardous Materials Laboratory
700 Heinz Street, Suite 150; Berkeley, CA 94710
Phone: (510) 540-~~3101~~ 3610 Fax: (510) 540-3615

SAMPLE RECEIPT

Authorization No. HMT 5251

HML Sample No(s).: AN00799 to AN00810

Collector's No.: CM 01 to CM 12

Custody Seals: ✓ Present _____ Absent _____ Broken

If present, indicate location on sample(s): TOP OF LID

Sample Condition:

_____ Temperature of samples
✓ Acceptable.
_____ Sample container received damaged.
_____ Insufficient sample volume/weight for all types of analysis.
_____ Sample analysis request form not received with the sample (s).
_____ Discrepancies between ARF and the SAR.
_____ Discrepancies between SAR information and the samples.
_____ Sample analysis request not complete.
_____ Sample containers not numbered or illegibly labeled.
_____ Chain of Custody not complete.
_____ Samples received without proper preservation.
_____ No information of sample preservation.
_____ Other (specify): _____

Action Taken:

✓ None
_____ Sample analysis on hold for further information.
_____ Informed the sample collector of problem.
_____ Sample analyzed as received.
_____ Other (specify): _____
_____ State if corrected.

Sample(s) processed by: TED YOON Signature: _____ Date: 11/21/03

Supervisor's approval (if any action taken): _____ Date: _____

Attachment C

HML Results

Corrosivity (pH) Results, December 10, 2003
(2 pages)

Total Metal Results, December 12, 2003
(3 pages)

WET (Soluble Metal) Results
December 17, 2003 (2 pages)

GRO (Percent Gasoline) Results
December 18, 2003 (3 pages)

n-Hexane Extractable Materials (TPH) Results
December 16, 2003 (6 pages)

Ignitability Results, November 26, 2003 (1 page)

California Department of Toxic Substances Control
Hazardous Materials Laboratory (Inorganic Section)
2151 Berkeley Way, Berkeley, CA 94704
Tel No. (510) 540-3003

HML#: AN00800
to: AN00801
Authorization #: HMT5251
Page: 1
of: 2

LABORATORY REPORT

Collector's Name: Robert Aragon
Collector's Address: 700 Heinz Ave
Berkeley, CA 94710

Sampling Location: Call Mac Transportation
461 McGraw Rd.
Livermore, CA 94551

Date Sampled: 11/20/2003
Date Received: 11/21/2003
Date Extracted: 12/2/2003
Date Analyzed: 12/2/2003
Method used: 9045C
pH meter used: Accumet 925

Analytical Procedure: pH was determined using Accumet 925 pH meter, calibrated with buffers 4.00, 7.00, 10.0 & 13.0. EPA Method #9040B was used for liquid samples and EPA Method #9045C for soil samples.

Analysis Results:

HML NO.	Coll's Sample No.	Sample Type	Samp + DI water	pH
AN00800	CM02	Solid	10 g + 20 ml*	> 13.0
AN00801	CM03	Solid	10 g + 20 ml*	> 13.0

Comments: *= Due to the nature of the sample, 10 ml of DI water was not enough to measure the pH. An additional 10 ml of deionized water was added and pH measured.

Signatures:

Fatima Hussain
Fatima Hussain, P.H. Chemist II

12/10/03
Date

JS Garcha
Jarnail Garcha, Supervisor

12/10/03
Date

mtc (CW) 12/10/03

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
STATEWIDE COMPLIANCE BRANCH
BERKELEY
DEC 15 2003
STATE OF CALIFORNIA EPA
RECEIVED

California Department of Toxic Substances Control
Hazardous Materials Laboratory (Inorganic Section)
2151 Berkeley Way, Berkeley, CA 94704
Tel No. (510) 540-3003

HML#: AN00800
to: AN00801
Authorization #: HMT5251
Page: 2
of: 2

Collector's Name: Robert Aragon
Collector's Address: 700 Heinz Ave
Berkeley, CA 94710

Date Sampled: 11/20/2003
Date Received: 11/21/2003
Date Analyzed: 12/02/2003

Sampling Location: Call Mac Transportation
461 McGraw Rd.,
Livermore, CA 94551

QUALITY ASSURANCE
pH

I. Calibration Standard File **Method Used: 9045C**

Std ID Vendor/PN	Lot No.	Expiration Date	Buffer Type	Buffer	mv Reading	Efficiency
EM Science	1345	12/31/2003	Liquid	4.00	177.5	
EM Science	2060	02/29/2004	Liquid	7.00	-0.9	1.02090
M E Lab	81844	capsule	powder	10.0	-170.8	0.97155
EM Science	37210	Ampule	Liquid	13.0	-333.8	0.93382

II. Laboratory Control Sample

Analyte pH Buffer	Lot No.	Source	Result Expctd	Result Obsrved	Absolute Difference
5.00	1330	VWR	5.00	5.00	0.00
9.00	2308	VWR	9.00	9.01	0.01
13.0	37325	EM Sc.	13.0	13.0	0.00

pH of DI Water used in dilution	7.00

III. Laboratory Duplicate Sample Results

HML No.	Sample Type	Sample Result	Dupl. Result	Absolute Difference pH Units
AN00780	Solid	10.7	10.7	0.00
AN00793	Soil	7.18	7.19	0.01

JC Garcha — 12/10/03
Jarnail Garcha — Date
Supervisor

Fatima Hussain — 12/10/03
Fatima Hussain — Date
PH Chemist II

California Environmental Protection Agency
Department of Toxic Substances Control
Hazardous Materials Laboratory (Inorganic Section)
2151 Berkeley Way, Berkeley, CA 94704

Phone: (510) 540-3003 or (ATSS) 571-3003

HML #:AN00799 to AN00810

Collector's Name: ROBERT ARAGON
Site of Sampling: CALL MAC TRANSPORTATION
461 MCGRAW RD
LIVERMORE, 94551

Auth. No.: HMT5251
Activity : OTHERS
Date Collected: 11/20/03
Date Received: 11/21/03

Analytical Laboratory Report

Analytical Procedure: EPA-SW 846

Samples are digested with 1:1 HNO3 (and 30% H202, and 1:1 HCl, if applicable) over a hot plate. Digests are cooled, filtered and made to final volume with deionized H2O. Metal analysis of the digests is by ICPAES (EPA #6010B). Units are mg/kg.

Method: 3050B for solids; 3010A for liquids; 3005A for clean water.

HML Number:	AN00799	AN00802	AN00803	AN00804	AN00805
Collector's Sample No.:	CM01	CM04	CM05	CM06	CM07
Sample Type:	SLUDGE	SOLID/SOIL	SOIL	LIQUID	SOIL
As-Arsenic	<5.00	5.61	138	<5.00	42.1
Ba-Barium	0.91	1.00	138	0.59	72.3
Be-Beryllium	<0.25	<0.25	0.44	<0.25	0.31
Cd-Cadmium	<0.50	<0.50	1.37	<0.50	1.02
Co-Cobalt	<2.50	<2.50	10.8	<2.50	6.82
Cr-Chromium	<4.00	10.1	45.8	<4.00	32.5
Cu-Copper	<5.00	12.0	90.6	<5.00	26.2
Mo-Molybdenum	<5.00	<5.00	<5.00	<5.00	<5.00
Ni-Nickel	23.9	9.12	94.1	<2.50	41.6
Pb-Lead	<5.00	45.3	39.3	5.72	21.0
Se-Selenium	<7.50	<7.50	<7.50	<7.50	<7.50
Tl-Thallium	<10.0	<10.0	<10.0	<10.0	<10.0
V-Vanadium	10.8	<3.00	23.8	<3.00	22.7
Zn-Zinc	42.0	6.65	95.7	6.97	59.5

Comments: < = below detection limit of method.

Merlyn de Guzman — 12/11/03
P.H. Chem.III Specialist, Merlyn de Guzman — Date

Fatima Hussain — 12/11/03
P.H. Chemist II Fatima Hussain — Date

JS Garcha — 12/12/03
Jarnail Garcha, Supervisor — Date

MdG (Rev.) 12/11/03

California Environmental Protection Agency
Department of Toxic Substances Control
Hazardous Materials Laboratory (Inorganic Section)
2151 Berkeley Way, Berkeley, CA 94704

Phone: (510) 540-3003 or (ATSS) 571-3003

HML #:AN00799 to AN00810

Collector's Name: ROBERT ARAGON
Site of Sampling: CALL MAC TRANSPORTATION
461 MAC TRANSPORTATION
LIVERMORE,94551

Auth. No.: HMT5251
Activity : OTHERS
Date Collected: 11/20/03
Date Received: 11/21/03

Analytical Laboratory Report

Analytical Procedure: EPA-SW 846

Samples are digested with 1:1 HNO3 (and 30% H202, and 1:1 HCl, if applicable) over a hot plate. Digests are cooled, filtered and made to final volume with deionized H2O. Metal analysis of the digests is by ICPAES (EPA #6010B). Units are mg/kg.

Method: 3050B for solids; 3010A for liquids; 3005A for clean water.

HML Number:	AN00806	AN00807	AN00808	AN00809	AN00810
Collector's Sample No.:	CM08	CM09	CM10	CM11	CM12
Sample Type:	SOIL	LIQUID	SOIL	SOIL	SOIL
As-Arsenic	<5.00	<5.00	<5.00	<5.00	<5.00
Ba-Barium	76.8	52.7	90.0	127	84.4
Be-Beryllium	0.26	<0.25	<0.25	0.35	0.26
Cd-Cadmium	0.94	6.25	2.00	2.46	0.61
Co-Cobalt	6.28	3.14	6.94	8.45	6.80
Cr-Chromium	36.4	7.12	27.8	41.2	30.8
Cu-Copper	31.1	84.7	31.6	39.8	34.4
Mo-Molybdenum	<5.00	11.8	<5.00	<5.00	<5.00
Ni-Nickel	46.7	6.26	46.6	54.0	40.2
Pb-Lead	36.9	1920	31.4	43.1	43.0
Se-Selenium	<7.50	<7.50	<7.50	<7.50	<7.50
Tl-Thallium	<10.0	<10.0	<10.0	<10.0	<10.0
V-Vanadium	17.5	<3.00	16.7	25.3	18.4
Zn-Zinc	58.6	513	106	143	140

Comments: < = below detection limit of method.

Merlyn de Guzman
P.H. Chem.III Specialist,
Merlyn de Guzman

12/11/03
Date

Fatima Hussain
P.H. Chemist II
Fatima Hussain

12/11/03
Date

JS Garcha
Jarnail Garcha, Supervisor

12/12/03
Date

12/11/03

alifornia Department of Toxic Substances Control
lazardous Materials Laboratory
norganic Section

HML Number: AN00799
to AN00810

Quality Assurance Summary for ICP

Element	HML Soil QC Sample mg/kg			Method Blank	Calibration Verification Standard mg/L			Duplicate Spiked Sample			HML No.: AN00793		Matrix: SOIL	
								Spike Results mg/kg			Unspiked Result (mg/kg)	Spike Added (mg/kg)	% Recovery	
	found	known	%	mg/Kg	found	known	%	A:	B:	RPD			A:	B:
As-Arsenic	62.1	68.2	91.1	<0.10	98.0	100	98.0	481	477	0.84	<5.00	500	96.2	95.4
Ba-Barium	44.4	50.6	87.7	<0.010	103	100	103	588	587	0.21	116	500	94.4	94.2
Be-Beryllium	3.87	4.11	94.2	<0.005	20.6	20.0	103	103	100	2.96	<0.25	100	103	100
Cd-Cadmium	17.6	19.3	91.2	<0.010	102	100	102	495	491	0.82	3.86	500	98.2	97.4
Co-Cobalt	21.0	21.9	95.9	<0.05	101	100	101	490	485	1.03	3.39	500	97.3	96.3
Cr-Chromium	24.0	25.7	93.4	<0.08	101	100	101	506	504	0.41	18.2	500	97.6	97.2
Cu-Copper	152	124	123	0.88	98.6	100	98.6	569	559	2.06	79.2	500	98.0	96.0
Mo-Molybdenum	16.3	18.0	90.6	<0.10	98.9	100	98.9	479	475	0.84	<5.00	500	95.8	95.0
Ni-Nickel	24.0	24.0	100	<0.05	102	100	102	518	510	1.62	21.4	500	99.3	97.7
Pb-Lead	24.3	27.1	89.7	<0.10	102	100	102	779	665	21.4	189	500	118	95.2
Se-Selenium	56.1	67.0	83.7	<0.15	102	100	102	477	468	1.90	<7.50	500	95.4	93.6
Tl-Thallium	78.8	88.4	89.1	<0.20	104	100	104	489	491	0.41	<10.0	500	97.8	98.2
V-Vanadium	31.5	38.6	81.6	<0.06	101	100	101	474	469	1.08	8.95	500	93.0	92.0
Zn-Zinc	130	141	92.2	0.19	101	100	101	1223	1260	10.6	891	500	66.4	73.8

Element	HML Liquid QC Sample mg/kg			Reagent Blank	Inorganic Ventures Reference Standard mg/L			Duplicate Spiked Sample			HML No.: AN0773		Matrix: LIQUID	
								Spike Results mg/kg			Unspiked Result (mg/kg)	Spike Added (mg/kg)	% Recovery	
	found	known	%	mg/L	found	known	%	A:	B:	RPD			A:	B:
As-Arsenic	2.75	2.63	105	<0.10	1.03	1.00	103	98.7	98.5	0.20	<2.00	100	98.7	98.5
Ba-Barium	9.37	9.92	94.5	<0.010	0.93	1.00	93.0	97.3	95.9	1.46	0.44	100	96.9	95.5
Be-Beryllium	2.90	2.97	97.6	<0.005	0.20	0.20	100	19.9	19.7	1.01	<0.10	20.0	99.5	98.5
Cd-Cadmium	3.15	3.10	102	<0.010	1.05	1.00	105	102	102	0.00	<0.20	100	102	102
Co-Cobalt	2.73	2.66	103	<0.05	1.01	1.00	101	102	101	0.99	<1.00	100	102	101
Cr-Chromium	15.1	15.0	101	<0.08	1.03	1.00	103	101	100	1.00	<1.60	100	101	100
Cu-Copper	74.5	66.1	113	<0.10	0.98	1.00	98.0	102	102	0.00	4.36	100	97.6	97.6
Mo-Molybdenum	6.26	6.36	98.4	<0.10	0.99	1.00	99.0	101	100	1.00	<2.00	100	101	100
Ni-Nickel	11.9	11.7	102	<0.05	1.04	1.00	104	103	103	0.00	<1.00	100	103	103
Pb-Lead	6.87	6.18	111	<0.10	1.07	1.00	107	108	109	0.99	7.43	100	101	102
Se-Selenium	14.1	14.1	100	<0.15	1.00	1.00	100	100	99.0	1.01	<3.00	100	100	99.0
Tl-Thallium	33.2	34.5	96.2	<0.20	0.95	1.00	95.0	101	102	0.99	<4.00	100	101	102
V-Vanadium	2.29	2.33	98.3	<0.06	0.97	1.00	97.0	96.3	95.0	1.36	<1.20	100	96.3	95.0
Zn-Zinc	26.8	24.4	110	<0.10	1.07	1.00	107	107	108	0.99	6.07	100	101	102

ICP Analyst's Signature: Melgar de Guzman · Jarnail Garcha, Supervisor: J.S. Garcha Date: 12/12/03
Chemist: Fatima Hussain Chemist's Signature: Fatima Hussain
Date Analyzed: 12/05/03

California Department of Toxic Substances Control
Hazardous Materials Laboratory (InOrganic Section)
2151 Berkeley Way, CA 94704, Ph: (510)540-3003

HML No.: AN00807

Auth. No.: HMT5251

Laboratory Analysis Report
For Waste Extraction Test

Page: 1
of: 2

Collector's Name: Robert Aragon
Collector's Address: 700 Heinz Ave
Berkeley, CA 94710

Date Sampled: 11/20/2003
Date Received: 11/21/2003
Date Extracted: 12/10-12/12/03
Date Analyzed: 12/16/2003

Site or Location: Call Mac Transportation
Site Address: 461 McGraw Rd.,
Livermore, 94551

Analytical Procedure: HML SOP # 910: Samples are extracted with 0.20 M Citrate Buffer solution at pH 5 (ratio of 1:10) using a mechanical shaker for 48 hours. Extracts are centrifuged and filtered through a 0.45 micron filter.
EPA Method 6010 B: Analysis of the extract was performed by ICP/AES. Units are mg/L.

HML Number:	Collector's Sample No.:	Type of Sample:	Lead (Pb)
AN00807	CM09	Liquid*	140

Comments: * = Unfiltrable, treated as a solid.

Merlyn de Guzman 12/17/03
P.H. Chemist III Date
Merlyn de Guzman

Fatima Hussain 12/17/03
P.H. Chemist II Date
Fatima Hussain

JGarcha
Jarnail Garcha, Supervisor 12/17/03
Date

MG (Rev.) 12/17/03

California Department of Toxic Substances Control
Hazardous Materials Laboratory (InOrganic Section)
2151 Berkeley Way, Berkeley, CA 94704, Ph: (510)540-3003

HML #: AN00807
Auth. No.: HMT5251

Laboratory Quality Control Report
For Waste Extraction Test

Collector's Name: Robert Aragon
Collector's Address: 700 Heinz Ave
Berkeley, CA 94710

Date Sampled: 11/20/2003
Date Received: 11/21/2003
Date Extracted: 12/10-12/12/03
Date Analyzed: 12/16/2003

Site of Sampling: Call Mac Transportation
Site Address: HW1 & 801 Ralcoa Way
Nipoma Ct. 93420

Method Used: HML SOP #910

Element / Unit			Lead (Pb)
Initial Calibration Verification	Reference Standard Source: Inorg. Venture Lot #: W-MEB 159092 Exp'date: 10/04	Known	1.00
		Found	1.05
		% Recovery	105
		Reagent Blank	<0.10
Continuing Calibration Verification	Reference Standard Source: Inorg. Venture Lot #: W-MEB 159092	Known	10.5
		Found	10.0
		% Recovery	105
	Check Standard Source: Spex Lot #: 8-20MS Exp'date: 9/03	Known	100
		Found	105
		% Recovery	105
		Method Blank	<1.00
Matrix Spike & Matrix Spike Duplicate Results	Spike Performed on: HML: AN00792 Matrix: Extract	Unspike Samp Result	40.2
		Spike Added	50.0
		Matrix Spike	93.6
		Matrix Spike Duplicate	93.9
		Matrix Spike Recovery	107
		Matrix Spike Dup. Rec	107
		Average % Recovery	107
		% RPD	0.00

Comments: < = below detection limit of the method.

Merlyn de Guzman 12/17/03
P. H. Chemist III — Date
Merlyn de Guzman

Fatima Hussain 12/17/03
P. H. Chemist II — Date
Fatima Hussain

JS Garcha 12/17/03
Jarnail Garcha, Supervisor — Date

California Department of Toxic Substances Control
HAZARDOUS MATERIALS LABORATORY
2151 Berkeley Way, Berkeley, CA 94704 ; Ph.(510) 540-3003
Laboratory Report For
Total Petroleum Hydrocarbons - Gasoline

HML# AN00799
to AN00810

Auth. No. HMT5251

Collector: Robert Aragon
700 Heinz Avenue
Berkeley, CA 94710

Sampling Location: Call Mac Transportation
461 McGraw Rd.
Livermore, CA 94551

Date collected: 11/20/03
Date Lab received: 11/21/03
Date Extracted: 12/17/03
Date Analyzed: 12/17/03
Extraction Meth.: EPA5030B
Extraction Holding Time Met ? Yes
Analysis Holding Time Met ?: Yes

Extraction Methods: EPA 5030B-- For aqueous samples: Direct purge and trap.
EPA 5030B -- For solid/sediment samples: Extracted with methanol, followed by dilution with water, then purge and trap.
EPA 5030B -- For oils & organic liquid samples: Extractred or diluted with methanol, depending on its solubility in methanol. Then purge and trap.

Cleanup Method: ----

Analytical Method: HML 8015B - Volatile compounds are introduced either by direct purge & trap or the methanolic extracts diluted with DI water followed by purge & trap. Analyzed by DB-1 megabore capillary column GC/FID.

HML Number: ---->	AN00807							Method Blank	QL
Collector's Sample #	CM09								
Sample Matrix:	Liquid							solvent	
Units:	%							µg/L	µg/L
C6-C10 range HC Calc. as TPH- Gasoline	43							ND	50

Note:QL = Quantitation Limit = Lowest calibration standard x dilution factor.
ND = Not detected
NA = Not Applicable; Direct purge and trap of the samples
D = Detected but below QL.
TPH = Total Petroleum Hydrocarbons.

Comments:
QL for HML AN00807 is 10%.

Analyst: Miriam Ghabour — Miriam Ghabour — 12-18-03

Supervisor: Jarnail S. Garcha — Modan S. Gill — 12.18.03
Signature — Date

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
STATEWIDE COMPLIANCE BRANCH
BERKELEY
DEC 24 2003
STATE OF CALIFORNIA EPA
RECEIVED

California Department of Toxic Substances Control
HAZARDOUS MATERIALS LABORATORY
2151 Berkeley Way, Berkeley 94704, Ph. 510-540-3101

For HML#: AN00799 to: AN00810

Laboratory Quality Control Report
Method Standard Recovery

Requestor: Robert Aragon
700 Heinz Avenue
Berkeley, CA 94710

Sampling location: Call Mac Transportation
461 McGraw Rd.
Livermore, CA 94551

For samples collected: 11/20/03
QC Sample extraction date: 12/17/03
QC Sample analysis date: 12/17/03
Extraction method no.: EPA5030B
Cleanup method no.:
Analysis method no.: EPA8015B

Analysis for: TPH-Gasoline

Matrix: Spiked Method Blank for Liquid	Spike Added µg/L	Method Blank Result µg/L	Spike Recovery ** µg/L	QL µg/L	Spike Recovery %	Recovery Control Limits Min. %	Max. %
TPH-Gasoline	200	ND	192	50	96.0	84	107

Comments:

QL = quantitation limit = lowest calibration standard x dilution factor
D = detected but below QL
ND = not detected
NR = not recovered
N/A = not applicable (see comments).
(x) = estimated value
** Method blank result is not used to correct the method standard spike recovery
@ Method standard spike recovery is outside of the recovery conti

Analyst: Miriam Ghabour — Miriam Ghabour — 12-18-03

Supervisor: Jarnail S. Garcha — Modan S. Gill — 12.18.03.
Signature — Date

California Department of Toxic Substances Control
HAZARDOUS MATERIALS LABORATORY
2151 Berkeley Way, Berkeley 94704, Ph. 510-540-3101

HML #: AN00799
to AN00810

Laboratory Quality Control Report
Duplicate Analysis (High Conc. Samples)

Requestor: Robert Aragon
700 Heinz Avenue
Berkeley, CA 94710

Sampling location: Call Mac Transportation
461 McGraw Rd.
Livermore, CA 94551

Date Collected: 11/20/03
Date Extracted: 12/17/03
Date Analyzed: 12/17/03
Extraction Meth.: EPA5030B
Cleanup Method: N/A
Analysis Method: EPA8015B

Analysis for: TPH-Gasoline

Matrix: Liquid	Duplicate Analysis Performed On HML #: AN00807				
	Replicate#1	Replicate#2		Average	RPD
Units: --->	%	%		%	* %
TPH-Gasoline	43.0	43.4		43.2	-0.996

QL = quantitation limit = lowest calibration standard x dilution factor
D = detected but below QL
ND = not detected
RPD = Relative percent deviation
NA = Not applicable
Comments:

Analyst: Miriam Ghabour — Miriam Ghabour — 12-12-03
Supervisor: Jarnail S. Garcha — Madan S. Gill — 12.17.03
Date

Californ. epartment of Toxic Substances Control
Hazardous Materials Laboratory
2151 Berkeley Way, Berkeley 94704, Ph. (510) 540-3003

HML # : AN00799
to: AN00810

Auth. No.: HMT5251

Laboratory Report for
Silica Gel Treated n-Hexane Extractable Materials (SGT-HEM) by Gravimetry

Requestor: Robert Aragon
700 Heinz Avenue
Berkeley, CA 94710

Sampling Location: Call Mac Transportation
461 McGraw Rd.
Livermore 94551

Date Collected: 11/20/03
Date Received by Lab: 11/21/03
Date Extracted: 11/24/03
Date Analyzed: 12/1/03
Extraction method: HML 739-S
Extraction holding time met: YES
Analysis holding time met?: YES

Extraction Methods: EPA 1664 - For aqueous samples: Separatory funnel extraction with N-Hexane.
HML 739-S (modified EPA 1664) - For solid samples: Extracted by mechanical shaker with n-Hexane.
HML 739-S - For oil and organic liquid samples: Direct solvent dilution with n-Hexane.
Cleanup Method: EPA 1664 - Extracts treated with silica gel absorbent to removed polar materials.
Analytical Method: EPA 1664 - After treatment; the solution is filtered and evaporated, then the SGT-HEM weighed.

HML Number	Collector's Number	Matrix	Silica Gel Treated Hexane Extractables (SGT-HEM, mg/kg)	QL (mg/kg)
Method Blank	---	NaSO4	ND	100
AN00802	CM04	Soil	17,000	100
AN00803	CM05	Soil	ND	100
AN00805	CM07	Soil	23,000	100
AN00806	CM08	Soil	16,000	100
AN00808	CM10	Soil	530	100
AN00809	CM11	Soil	12,000	100
AN00810	CM12	Soil	110	100

Notes: QL = Quantitation Limit = Minimum weight that can be measured/sample amount used
ND = Not detected
NA = Not Analyzed
D = Detected but below QL

Comments:

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
STATEWIDE COMPLIANCE BRANCH
BERKELEY
DEC 22 2003
STATE OF CALIFORNIA EPA
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Analyst: Joe Acedillo — J. E. Acedillo — 12/16/03

Supervisor: Jarnail Garcha — Jgbrarcha — 12/16/03

Signature — Date

ja/qpro/1664/AN00799tph-1.qpw

Californ. epartment of Toxic Substances Control
Hazardous Materials Laboratory
2151 Berkeley Way, Berkeley 94704, Ph. (510) 540-3003

HML # : AN00799
to: AN00810

Auth. No.: HMT5251

Laboratory Report for
Silica Gel Treated n-Hexane Extractable Materials (SGT-HEM) by Gravimetry

Requestor: Robert Aragon
700 Heinz Avenue
Berkeley, CA 94710

Sampling Location: Call Mac Transportation
461 McGraw Rd.
Livermore 94551

Date Collected: 11/20/03
Date Received by Lab: 11/21/03
Date Extracted: 11/26/03
Date Analyzed: 12/2/03
Extraction method: HML 739-S
Extraction holding time met: YES
Analysis holding time met?: YES

Extraction Methods: EPA 1664 - For aqueous samples: Separatory funnel extraction with N-Hexane.
HML 739-S (modified EPA 1664) - For solid samples: Extracted by mechanical shaker with n-Hexane.
HML 739-S - For oil and organic liquid samples: Direct solvent dilution with n-Hexane.
Cleanup Method: EPA 1664 - Extracts treated with silica gel absorbent to removed polar materials.
Analytical Method: EPA 1664 - After treatment; the solution is filtered and evaporated, then the SGT-HEM weighed.

HML Number	Collector's Number	Matrix	Silica Gel Treated Hexane Extractables (SGT-HEM, mg/kg)	QL (mg/kg)
Method Blank	---	Solvent	ND	1,000
AN00799	CM01	Org Liq	130,000	1,000
AN00804	CM06	Org Liq	380,000	1,000
AN00807	CM09	Org Liq	250,000	1,000

Notes: QL = Quantitation Limit = Minimum weight that can be measured/sample amount used
ND = Not detected
NA = Not Analyzed
D = Detected but below QL

Comments:

Analyst: Joe Acedillo — J. E. Acedillo — 12/16/03

Supervisor: Jarnail Garcha — Signature — 12/16/03 — Date

ja/qpro/1664/AN00799tph-2.qpw

California Department of Toxic Substances Control
HAZARDOUS MATERIALS LABORATORY
2151 Berkeley Way, Berkeley 94704, Ph. 510-540-3101

For HML # : AN00799
to: AN00810

Laboratory Quality Control Report
Matrix Spike / Matrix Spike Duplicate

Requestor: Robert Aragon
700 Heinz Avenue
Berkeley, CA 94710
Sampling location: Call Mac Transportation
461 McGraw Rd.
Livermore 94551

For samples collected on: 11/20/03
QC sample extraction date: 11/24/03
QC sample analysis date: 12/1/03
Extraction method no: HML 739-S
Cleanup method no.: EPA 1664
Analysis method no.: EPA 1664

Analysis for: Silica Gel Treated Hexane Extractable Material by Gravimetry
Matrix spike performed on: HML AN00808

Matrix: Soil	Spike Added	Sample Conc. *	MS Conc. **	MSD Conc. **	QL	MS Recovery	MSD Recovery	Mean Recovery	RPD	Control Limits: Mean Recov. Min.	Control Limits: Mean Recov. Max.	Control Limits: RPD Max.
Unit ----->	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	%	%	%
SGT-HEM	2,000	530	1760	1540	100	88.0	77.0	82.5	13.3			

Comments:

QL = Quantitation Limit = Minimum weight that can be measured/sample amount used
ND = not detected; D = detected but below ML
MS = matrix spike; MSD = matrix spike duplicate
* Concentration in the unspiked sample (background).
** MS conc. or MSD conc. = (background + spike) - background
MS or MSD Recovery = (MS or MSD recov)/(spike added) x 100%
RPD = absolute value of (MS conc. - MSD conc.)/[(MS conc. + MSD conc.)/2] x 100
@ Mean matrix spike recovery is outside of the mean recovery control limits. (Not determined, yet.)
# The precision exceeds the upper RPD control limit. (Not determined, yet.)

Analyst: Joe Acedillo — J. E. Acedillo — 12/16/03

Sup'vsr: Jarnail Garcha — Jg Garcha — 12/16/03

Signature — Date

ja/qpro/1664/AN00799qc-1.qpw

California Department of Toxic Substances Control
HAZARDOUS MATERIALS LABORATORY
2151 Berkeley Way, Berkeley 94704, Ph. 510-540-3101

HML: AN00799
to: AN00810

Laboratory Quality Control Report
Replicate Analysis (High Conc. Samples)

Requestor: Robert Aragon
700 Heinz Avenue
Berkeley, CA 94710

Sampling location: Call Mac Transportation
461 McGraw Rd.
Livermore 94551

Date Collected: 11/20/03
Date Extracted: 11/26/03
Date Analyzed: 12/2/03
Extraction Meth.: HML 739-S
Cleanup Method: EPA 1664
Analysis Method: EPA 1664

Analysis: Silica Gel Treated n-Hexane Extractable Materials by Gravimetry

Matrix: Org Liquid	Replicate Analysis Performed On HML #: AN00804				
	Replicate #1	Replicate #2	QL	Average	RPD
Units: --->	mg/kg	mg/kg	mg/kg	mg/kg	%
SGT-HEM	369,000	389,000	1,000	379,000	-5.28

QL = Quantitation Limit = Minimum weight that can be measured/amount of sample used
D = detected but below QL
ND = not detected
RPD = Relative percent difference

Comments:

Analyst : Joe Acedillo — J. E. Acedillo — 12/16/03

Supervisor : Jarnail Garcha — Signature — 12/16/03 Date

a\qpro\1664\AN00799qc-2.qpw

Calif a Department of Toxic Substances Contr
HAZARDOUS MATERIALS LABORATORY
2151 Berkeley Way, Berkeley 94704, Ph. 510-540-3101

For HML# : AN00799
to: AN00810

Laboratory Quality Control Report
Method Standard Recovery

Page: 5
of: 6

Requestor: Robert Aragon
700 Heinz Avenue
Berkeley, CA 94710

Sampling location: Call Mac Transportation
461 McGraw Rd.
Livermore 94551

For samples collected: 11/20/03
QC Sample extraction date: 11/24/03
QC Sample analysis date: 12/1/03
Extraction method no.: HML 739-S
Cleanup method no.: EPA 1664
Analysis method no.: EPA 1664

Analysis: Silica Gel Treated n-Hexane Extractable Materials by Gravimetry

Matrix: Spike Method Blank for Solid	Spike Added	Method Blank Result	Spike Recovery **	QL	Spike Recovery	Recovery Control Limits	
						Min.	Max.
Unit: ------->	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%
Hexadecane	2,000	ND	1,440	100	72.0		

Comments:

QL = Quantitation Limit = Minimum weight that can be measured/sample amount used
D = detected but below QL
ND = not detected
** Method blank result is not used to correct the method standard spike recovery
@ Method standard spike recovery is outside of the recovery control limits.

Analyst: Joe Acedillo — J. E. Acedillo — 12/16/03

Sup'vsr: Jarnail S. Garcha — Jarnail S. Garcha — 12/16/03

Signature — Date

ja/qpro/1664/AN00799ms-1.qpw