



## **ENVIRONMENTAL BIO-SYSTEMS, INC.**

Innovative Solutions for a Better Environment

May 10, 1990

Leo Pagano  
1104 Fountain Street  
Alameda, California 94501

Attention: Mr. Leo Pagano

**Regarding: Stockpile Sampling at 1127 Lincoln Avenue, Alameda,  
California**

The following documentation concerns the sampling of approximately 15 cubic yards of soil stockpiled at 1127 Lincoln Avenue, Alameda, California, on May 7, 1990.

The 15 cubic yards of soil sampled represents the remaining portion of the approximately 200 cubic yards of soil generated during the removal of five underground storage tanks at the site on September 11, 1989. Sampling was conducted to determine residuals levels of hydrocarbons remaining in the soil.

### **SAMPLING**

In accordance with Bay Area Air Quality Management District guidelines, a single sample, consisting of three brass sample containers, was collected for subsequent analysis as a composite sample.

### **SAMPLING METHODOLOGY**

The samples were contained by driving clean brass tubes (1.92" x 6") into the exposed layer of soil. Soil was packed into the tubes to eliminate the possibility of headspace within the sample container. Thus prepared, the ends of the tubes were wrapped with aluminum foil and sealed with plastic caps. After removing excess foil, electrical tape was applied to the seams between cap and tube in an effort to reduce the evaporative loss of volatile constituents.

### **SAMPLE ANALYSIS**

The samples were placed on ice in a cooler and transported under chain of custody documentation to Anamatrix, Inc., a certified hazardous materials testing laboratory (HMTL #151) to be analyzed for total petroleum hydrocarbons (TPH) calculated as gasoline and benzene, toluene, xylenes, and ethylbenzene (BTX&E) on a 48 hour rush turnaround.

Analytical methods used by Anametrix, Inc. were consistent with analytical procedures outlined by the San Francisco Bay Regional Water Quality Control Board (SFRWQCB).

## RESULTS

The certified analytical report which discusses the findings of sample analysis has been attached to this sampling report.

Sample #1A-C did not contain levels of TPH as gasoline or BTX&E above the respective limits of detection for each of these constituents.

## RECOMMENDATIONS

Based on the results of sample analysis, the 15 cubic yards of material are eligible for disposal at an accepting class III landfill.

**REPORTAGE**

Copies of the sampling report, the chain of custody, and the certified analytical report should be submitted to Regional Water Quality Control Board and the Alameda County Department of Environmental Health, Hazardous Materials Unit.

The following addresses have been listed for your convenience:

Water Quality Control Board  
San Francisco Bay Region  
1800 Harrison Street  
Room 700  
Oakland, CA 94612  
ATTN: Fuel Leaks Division

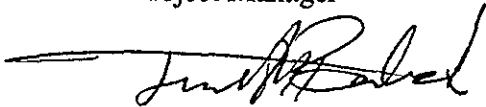
Alameda County Department of Environmental Health  
Hazardous Materials Division  
80 swan Way, Room 200  
Oakland, CA 94621  
ATTN: Lawrence Seto

If you have any questions, or if I may be of further service please contact me at (415) 429-9988.

Sincerely,  
ENVIRONMENTAL BIO-SYSTEMS, INC.

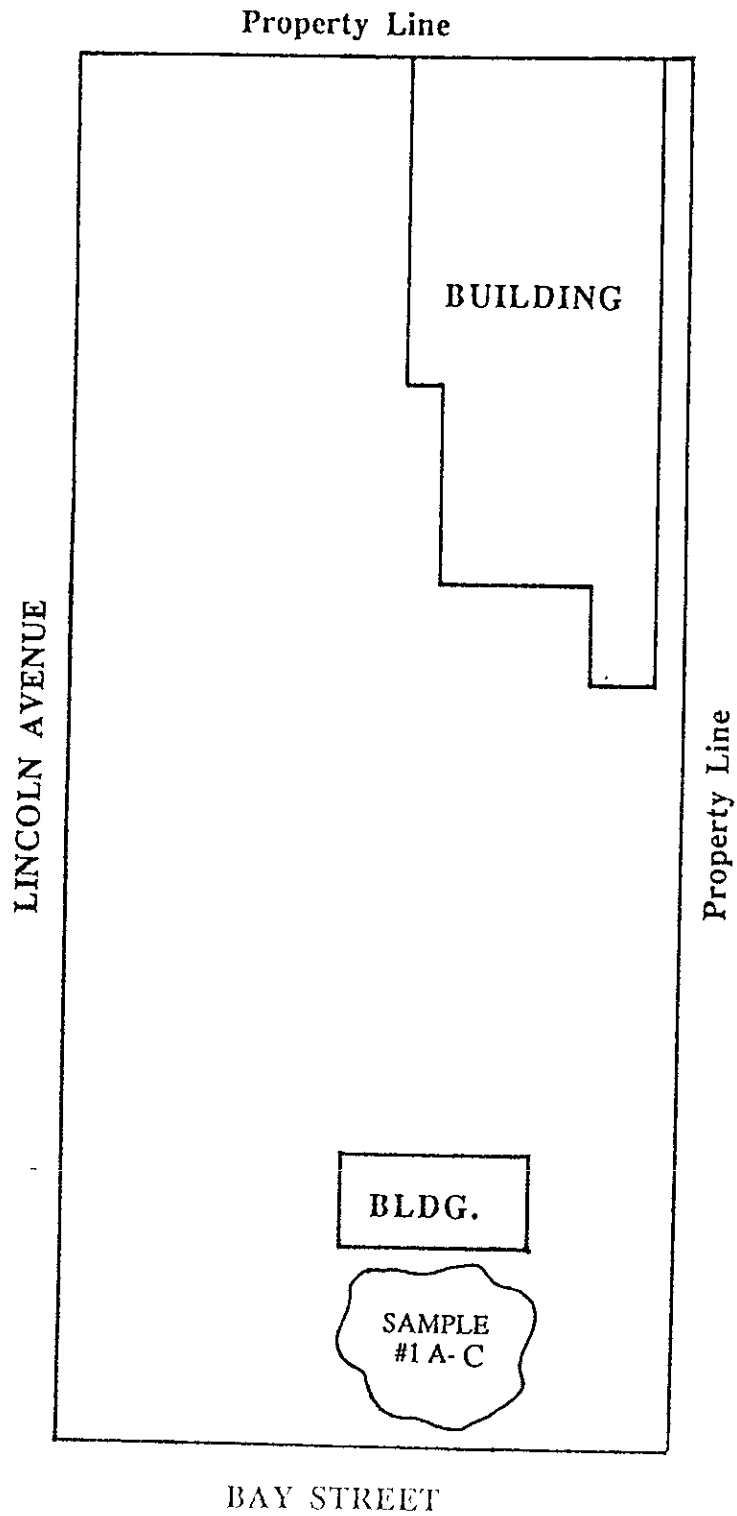


Brenda D. McNabb  
Project Manager



Timothy M. Babcock  
Environmental Scientist

TMB/bdm



Scale 1" = 20 feet

LEWIS' BAY STREET AUTO SERVICE  
1127 LINCOLN AVENUE  
ALAMEDA, CA

ENVIRONMENTAL BIO-SYSTEMS, INC.  
30028 INDUSTRIAL PKWY., S.W.  
HAYWARD, CA, 94544  
(415) 429-9988

CHAIN OF CUSTODY

SITE ADDRESS:

Lewis's Bay St. Auto  
1127 Lincoln Ave  
Alameda, CA

CLIENT:

Leo Pagano

EBS #:

021-082

DATE SAMPLED:

5/7/90

LABORATORY:

Anametrix

IMTL#:

151

SAMPLE #

MATRIX

ANALYSIS

TURNAROUND

composite

SC1A-0

S

TPH(gas) & BTEX

48 hr.

Sampling Performed By

T. Babcock

Sampling Completed At

3:30 AM (PM)

Released By:

[Signature]  
[Signature]

Accepted By:

[Signature]  
[Signature]

Time/Date

5:00 PM

5/5/90 5/7/90

5/7/90

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**ANAMETRIX INC**

Environmental & Analytical Chemistry  
1961 Concourse Drive, Suite F San Jose, CA 95128  
(408) 432-8122 • Fax (408) 432-8128



**REPORT**

Tim Babcock  
Environmental Bio-Systems  
30028 Industrial Parkway, SW  
Hayward, CA 94544

May 11, 1990  
Anamatrix W.O.#: 9005074  
Date Received : 05/07/90  
Project Number : 021-082

Dear Mr. Babcock:

Your sample has been received for analysis. The REPORT SUMMARY lists your sample identifications and the analytical methods you requested. The following sections are included in this report: RESULTS.

NOTE: Amounts reported are net values, i.e. corrected for method blank contamination.

If there is any more that we can do, please give us a call. Thank you for using ANAMETRIX, INC.

Sincerely,

A handwritten signature in cursive script that reads "Terry Cooke".

Terry Cooke  
TPH Supervisor

TC/dm

REPORT SUMMARY  
ANAMETRIX, INC. (408) 432-8192

Client	: Environmental Bio-Systems	Anamatrix W.O.#:	9005074
Address	: 30028 Industrial Parkway, SW	Date Received	: 05/07/90
		Purchase Order#:	N/A
City	: Hayward, CA 94544	Project No.	: 021-082
Attn.	: Tim Babcock	Date Released	: 05/11/90

Anamatrix I.D.	Sample I.D.	Matrix	Date Sampled	Method	Date Extract	Date Analyzed	Inst I.D.
RESULTS							
9005074-01	SC1A, B, C	SOIL	05/07/90	TPH		05/08/90	N/A

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS  
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 021-082 SC1A,B,C  
 Matrix : SOIL  
 Date sampled : 05/07/90  
 Date anl.TPHg: 05/08/90  
 Date ext.TPHd: N/A  
 Date anl.TPHd: N/A

Anamatrix I.D. : 9005074-01  
 Analyst : ~~DPG~~  
 Supervisor : TC  
 Date released : 05/11/90  
 Date ext. TOG : N/A  
 Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	5	ND
108-88-3	Toluene	5	150
100-41-4	Ethylbenzene	5	ND
1330-20-7	Total Xylenes	5	9
	TPH as Gasoline	1000	ND

ND - Not detected at or above the practical quantitation limit for the method.

TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.

BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.



118. 18:15

9005074

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ENVIRONMENTAL BIO-SYSTEMS, INC.  
30028 INDUSTRIAL PKWY., S.W.  
MAYVARD, CA. 94544  
(415) 422-2988

CHAIN OF CUSTODY

SITE ADDRESS: Lewis's Bay St. Auto CLIENT: Leo Pagano  
1127 Lincoln Ave EHS #: 021-082  
Alameda, CA DATE SAMPLED: 5/7/90

LABORATORY: Anametrix HMTL#: 151

SAMPLE #	MATRIX	ANALYSIS	TURNAROUND
<u>Composite</u>	<u>SCIA-R S</u>	<u>TPH(gas) &amp; BTEX</u>	<u>48 hr.</u>

Sampling Performed By T. Babcock

Sampling Completed At 3:30 AM (PM)

Released By: [Signature] Accepted By: [Signature] Time/Date 5:00 (PM)

[Signature] [Signature] 5:51 5/7/90

[Signature] [Signature] 5/7/90

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