



# Environmental Bio-Systems

30028 Industrial Parkway, Southwest  
Hayward, California 94544-6904  
(415) 429-9988

December 13, 1989

Leo Pagano  
1104 Fountain Street  
Alameda, California 94501

Attention: Mr. Leo Pagano

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

*← Clean Stockpile ~ 50 yds<sup>3</sup>*

The following documentation concerns the sampling of approximately 50 cubic yards of soil stockpiled at 1127 Lincoln Avenue, Alameda, California.

The 50 cubic yards of soil sampled represents a portion of the approximate 200 cubic yards of soil excavated during the removal of 5 underground storage tanks at the site on September 11, 1989. Sampling was conducted to determine residuals levels of hydrocarbons remaining in the soil which had been aerating for several weeks.

## SAMPLING

In accordance with Bay Area Air Quality Management District guidelines, a single composite sample consisting of four brass sample containers was collected.

## 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 evaporative loss of volatile constituents.

## SAMPLE ANALYSIS

The samples were placed in a cooler on ice and transported under chain of custody documentation to Anametrix, 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 24 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 finds of sample analysis has been attached to this sampling report.

Sample #1A-D 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 50 cubic yards of material are eligible for disposal at an accepting class III landfill.

12/13/89

LEO PAGANO @  
1127 LINCOLN AVE.  
ALAMEDA, CA

3

## 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.



Timothy M. Baocock  
Project Manager

TMB/bdm

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

CHAIN OF CUSTODY

SITE ADDRESS:

CLIENT:

Lewis Bay St. Auto Services  
1127 Lincoln Ave.  
Alameda, CA

Leo Pagano  
EBS JOB NUMBER  
#021-082

DATE SAMPLED: 12/12/89

Lab Used: Anamatrix

HMLT# 151

SAMPLE #: MATRIX: ANALYSIS:

TURN-  
AROUND

1A-D soil TPH-gas, BTEX 29 hr.  
(Composite)

Sampling Performed By T. Babcock  
Sampling Completed At 1:45 AM/PM

Released By:

Accepted By:

Date/Time

[Signature]

Tyhi H...

3:00  
12/12/89  
11  
11

**ANAMETRIX INC**

Environmental & Analytical Chemistry  
2901 ... State ...  
...



**REPORT**

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

December 13, 1989  
Anamatrix W.O.#: 8912123  
Date Received : 12/12/89  
Project Number : 021-082  
Site : Lewis Bay Street  
Auto Services  
1127 Lincoln Avenue  
Alameda, CA

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,

ANAMETRIX, INC.

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

Terry Cooke  
TPH Supervisor

TC/dag

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

Sample I.D. : 021-082 1(A-D)COMP.  
 Matrix : SOIL  
 Date sampled : 12/12/89  
 Date anl.TPHg: 12/13/89  
 Date ext.TPHd: N/A  
 Date anl.TPHd: N/A

Anamatrix I.D. : 8912123-01  
 Analyst : CR  
 Supervisor : JC  
 Date released : 12/13/89  
 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                       | ND                   |
| 100-41-4  | Ethylbenzene    | 5                       | ND                   |
| 1330-20-7 | Total Xylenes   | 5                       | ND                   |
|           | 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.

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

Client : Environmental Bio-Systems  
 Address : 30028 Industrial Parkway, SW  
 City : Hayward, CA 94544  
 Attn. : Tim Babcock

Anamatrix W.O.#: 8912123  
 Date Received : 12/12/89  
 Purchase Order#: N/A  
 Project No. : 021-082  
 Date Released : 12/13/89

| Anamatrix I.D. | Sample I.D.  | Matrix | Date Sampled | Method | Date Extract | Date Analyzed | Inst I.D. |
|----------------|--------------|--------|--------------|--------|--------------|---------------|-----------|
| RESULTS        |              |        |              |        |              |               |           |
| 8912123-01     | 1(A-D) COMP. | SOIL   | 12/12/89     | TPHg   |              | 12/13/89      | N/A       |



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Hayward, California 94544-6904  
(415) 429-9988

December 13, 1989

Leo Pagano  
1104 Fountain Street  
Alameda, California 94501

INVOICE: #1084

JOB: #021-082

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

**COMPLETED SAMPLING ON 12/12/89 AS PER BREAKDOWN:**

|   |           |
|---|-----------|
| LABOR: 3.25 HRS. @ \$55.00                | \$ 178.75 |
| REPORT                                    | \$ 85.00  |
| MATERIALS: 4 BRASS CONTAINERS @ \$5.00    | \$ 20.00  |
| ANALYSIS: 1 ANALYSIS FOR TPH AS GAS BTX&E | \$ 240.00 |

**TOTAL AMOUNT DUE: \$ 523.75**

*Paid Dec 20, 1989 Check # 182*

TERMS ARE NET FIFTEEN (15) WITH A ONE PERCENT (1%) DISCOUNT ON ACCOUNTS PAID WITHIN SEVEN (7) DAYS. A TWO PERCENT (2%) FINANCE CHARGE WILL BE CHARGED MONTHLY ON ACCOUNTS OVER THIRTY (30) DAYS. IN ADDITION, ALL ACCOUNTS OVER 30 DAYS ARE SUBJECT TO COLLECTION AND LEGAL FEES.





# Environmental Bio-Systems

30028 Industrial Parkway, Southwest  
Hayward, California 94544-6904  
(415) 429-9988

December 8, 1989

Leo Pagano  
1104 Fountain Street  
Alameda, California 94501

**INVOICE: #1079**  
**JOB: #021-082 @**

**LEWIS' BAY STREET AUTO SERVICES**  
**1127 LINCOLN AVENUE**  
**ALAMEDA, CA**

Preparation of BAAQMD Permit Application          \$ 100.00

**TOTAL AMOUNT DUE: \$ 100.00**

*TERMS ARE NET FIFTEEN (15) WITH A ONE PERCENT (1%) DISCOUNT ON ACCOUNTS PAID WITHIN SEVEN (7) DAYS. A TWO PERCENT (2%) FINANCE CHARGE WILL BE CHARGED MONTHLY ON ACCOUNTS OVER THIRTY (30) DAYS. IN ADDITION, ALL ACCOUNTS OVER 30 DAYS ARE SUBJECT TO COLLECTION AND LEGAL FEES.*

*Paid Dec 13, 1989  
Check # 179  
Amt. \$ 100.00*



# Environmental Bio-Systems

30028 Industrial Parkway, Southwest  
Hayward, California 94544-6904  
(415) 429-9988

December 28, 1989

Leo Pagano  
1104 Fountain Street  
Alameda, California 94501

**INVOICE: #1091**

**JOB: #021-082**

**LEWIS' BAY STREET AUTO SERVICES  
1127 LINCOLN AVENUE  
ALAMEDA, CA**

**WASTE CHARACTERIZATION FORM FILING:**

**LABOR: 1.0 HRS. @ \$85.00**

**\$ 85.00**

**TOTAL AMOUNT DUE: \$ 85.00**

**TERMS ARE NET FIFTEEN (15) WITH A ONE PERCENT (1%) DISCOUNT ON ACCOUNTS PAID WITHIN SEVEN (7) DAYS. A TWO PERCENT (2%) FINANCE CHARGE WILL BE CHARGED MONTHLY ON ACCOUNTS OVER THIRTY (30) DAYS. IN ADDITION, ALL ACCOUNTS OVER 30 DAYS ARE SUBJECT TO COLLECTION AND LEGAL FEES.**

*paid Jan 2, 1990  
Check #191*