



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

Innovative Solutions for a Better Environment

May 9, 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 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 48 hour rush turnaround.

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

Client	: Environmental Bio-Systems	Anametrix 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

Anametrix 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.

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 CLIENT: Leo Pagano  
1127 Lincoln Ave EBS #: 021-082  
Alameda, CA DATE SAMPLED: 5/7/90

LABORATORY: Anametrix HMTL#: 151

SAMPLE #	MATRIX	ANALYSIS	TURNAROUND
<i>composite</i> SCIA- <del>5</del> S		TPH(gas) & BTEX 1	48 hr.

Sampling Performed By T. Babcock

Sampling Completed At 3:30 AM (PM)

Released By:	Accepted By:	Time/Date
<u>[Signature]</u>	<u>[Signature]</u>	<u>5:00 PM</u>
<u>[Signature]</u>	<u>[Signature]</u>	<u>5:51 5/7/90</u>
		<u>5/7/90</u>
		<u>--- ---</u>