

CALCOAST ANALYTICAL

Materials Chemistry

Certified by
*California Department of Health Services
City of Los Angeles, Dept. of Building & Safety*

January 27, 1999

Geo - Logic
1140 - 5th Avenue
Crockett, CA 94525

Attn: Mr. Joel Greger

Ref: Lab File No.: 0126-3A/99

1. SAMPLES:

Four (4) soil cores which are composited into one (1) sample for analysis;

Project: Berkeley Farms, 4550 San Pablo, Emeryville
Sample: A. Comp S1

*Collected: January 26, 1999
Received: January 26, 1999*

2. ANALYSIS REQUIRED:

- A. Total Petroleum Hydrocarbons - gasoline (TPH-g) by Gas Chromatography (GC).
- B. Total Petroleum Hydrocarbons - fuel oil by GC.
- C. Benzene, Toluene, Ethylbenzene and Xylene (BTEX) by GC.
- D. Methyl-tert-butyl ether (MTBE) by GC.
- E. Total lead (Pb) content by Atomic Absorption Spectroscopy (AAS).

COATINGS • BUILDING MATERIALS • HAZARDOUS WASTE
SPECTROSCOPY • CHROMATOGRAPHY • MICROSCOPY

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P.O. BOX 8702 • EMERYVILLE, CA 94662
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3. METHODS OF ANALYSIS:

- A. EPA Method 8015; SW-846
- B. EPA Methods 3550 and 8015; SW-846
- C. EPA Method 8020; SW-846
- D. EPA Method 8020; SW-846
- E. Sample Digestion - EPA Method 3050; SW-846
AAS Analysis - EPA Method 7420; SW-846

4. RESULTS:

A. TPH - gasoline

SAMPLE	TPH-G (MG/KG)
A. Comp S1	<0.1 (ND)

Method Blank/Detection Limit = <0.1mg/kg (none detected)
Mean Spike Recovery = 108%

A. TPH - fuel oil

SAMPLE	TPH- FUEL OIL (MG/KG)
A. Comp S1	<0.1 (ND)

Method Blank/Detection Limit = <0.1mg/kg (none detected)

C. BTEX

Sample	Concentration - (mg/kg)			
	Benzene	Toluene	Ethylbenzene	Xylene
A. Comp S1	<0.005(ND)	<0.005(ND)	<0.005(ND)	<0.005(ND)
Method Blank	<0.005(ND)	<0.005(ND)	<0.005(ND)	<0.005(ND)
Mean Spike Recovery	97%	106%	90%	92%

D. MTBE

SAMPLE	MTBE (MG/KG)
A. Comp S1	<5.0 (ND)

Method Blank/Detection Limit = <5.0mg/kg (none detected)

E. Total Pb

SAMPLE	TOTAL LEAD (MG/KG)
A. Comp S1	7.7

Method Blank/Detection Limit = <2.0mg/kg (none detected)
Mean Spike Recovery = 104%



Ronald W. Shrewsbury
Analytical Chemist

RWS: swr (2)

ALL SAMPLES SUBMITTED FOR TESTING WILL BE HELD 30 DAYS FROM REPORT DATE AT WHICH TIME THEY WILL BE RETURNED TO CLIENT OR DESTROYED. CLIENT WILL BE RESPONSIBLE FOR ALL SHIPPING, HANDLING, AND DISPOSAL CHARGES. SAMPLES WILL BE STORED UPON WRITTEN INSTRUCTIONS AND FEE ARRANGEMENTS.

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