

CALCOAST ANALYTICAL

Materials Chemistry

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

October 8, 1998

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

Attn: Mr. Joel Greger

Ref: Lab File No. 1005-9A/H-98

1. SAMPLE:

Eight (8) soil cores from Berkeley Farms, San Pablo Avenue; Job No.: 1095.

- A. P7 (3')
- B. P8 (3')
- C. P9 (5')
- D. P10 (5')
- E. P11 (4')
- F. P12 (5.5')
- G. P13 (6')
- H. P14 (5.5')

Collected: October 5, 1998

Received: October 5, 1998

2. ANALYSIS REQUIRED:

- A. Total Petroleum Hydrocarbons - diesel (TPH-d) by Gas Chromatography (GC).
- B. Total Petroleum Hydrocarbons - gasoline (TPH-g) by GC

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

TELEPHONE (510) 652-2979

FAX (510) 652-3085

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4072 WATTS STREET • EMERYVILLE, CA 94608

2. ANALYSIS REQUIRED - Continued:

- C. Benzene, Toluene, Ethylbenzene and Xylene (BTEX) by GC
- D. Total Recoverable Petroleum Hydrocarbons (TRPH), on sample H only, by Infrared Spectroscopy

3. METHODS OF ANALYSIS:

- A. EPA Method 8015; SW-846
- B. EPA Method 8015; SW-846
- C. EPA Method 8020; SW-846
- D. Method 418.1; EPA-600/4-79-020

4. RESULTS:

- A. TPH-diesel

Sample	TPH-diesel (mg/kg)
A. P7 (3')	< 0.1 (ND)
B. P8 (3')	< 0.1 (ND)
C. P9 (5')	< 0.1 (ND)
D. P10(5')	< 0.1 (ND)
E. P11 (4')	< 0.1 (ND)
F. P12 (5.5')	< 0.1 (ND)
G. P13 (6')	< 0.1 (ND)
H. P14 (5.5')	< 0.1 (ND)

Method Blank/Detection Limit = < 0.1 mg/kg (none detected)
Mean Spike Recovery = 104%

4. RESULTS - Continued:

B. TPH-gasoline

Sample	TPH-gasoline (mg/kg)
A. P7 (3')	< 0.1 (ND)
B. P8 (3')	< 0.1 (ND)
C. P9 (5')	< 0.1 (ND)
D. P10(5')	< 0.1 (ND)
E. P11 (4')	< 0.1 (ND)
F. P12 (5.5')	< 0.1 (ND)
G. P13 (6')	< 0.1 (ND)
H. P14 (5.5')	< 0.1 (ND)

Method Blank/Detection Limit = < 0.1 mg/kg (none detected)
 Mean Spike Recovery = 102%

C. BTEX

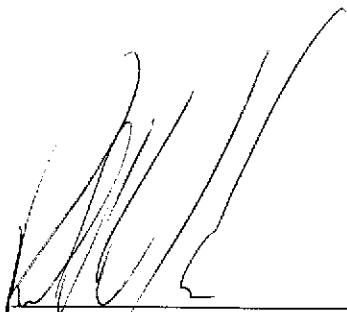
DESCRIPTION	CONCENTRATION (mg/kg)			
	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE
A. P7 (3')	< 0.005 (ND)	< 0.005 (ND)	< 0.005 (ND)	< 0.005 (ND)
B. P8 (3')	< 0.005 (ND)	< 0.005 (ND)	< 0.005 (ND)	< 0.005 (ND)
C. P9 (5')	< 0.005 (ND)	< 0.005 (ND)	< 0.005 (ND)	< 0.005 (ND)
D. P10(5')	< 0.005 (ND)	< 0.005 (ND)	< 0.005 (ND)	< 0.005 (ND)
E. P11 (4')	< 0.005 (ND)	< 0.005 (ND)	< 0.005 (ND)	< 0.005 (ND)
F. P12 (5.5')	< 0.005 (ND)	< 0.005 (ND)	< 0.005 (ND)	< 0.005 (ND)
G. P13 (6')	< 0.005 (ND)	< 0.005 (ND)	< 0.005 (ND)	< 0.005 (ND)
H. P14 (5.5')	< 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	104%	109%	105%	106%

4. RESULTS - Continued:

D. TRPH

Sample	TRPH (mg/kg)
H. P14 (5.5')	110

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



Ronald W. Shrewsbury
Analytical Chemist
RWS:dg(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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Calcoast Analytical, Inc.

Date 10/5/98 Page of Chain of Custody

* MTD *

Proj. Mgr.: Joe Grazioplene
 Company: Paradise Mechanical Inc.
 Address: POB 1836
2600 Williams St
San Leandro

Samples (signature) Julian (Phone No.) 510 7876867
 (Fax No.) 510 7871457

Analysis Report

Sample ID	Type	Date	Time	Matrix	Preserve	TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/ BTEX (EPA 602, 8020)	TPH - Diesel, TEPH (EPA 3510/3550, 8015)	PURGEABLE AROMATICS BTEX (EPA 602, 8020)	PURGEABLE HALOCARBONS (EPA 601, 8010)	VOLATILE ORGANICS (EPA 624, 8240, 524.2)	BASE/NEUTRALS, ACIDS (EPA 625/627, 8270, 525)	TOTAL OIL & GREASE (EPA 5520, B+F, E+F)	PCB (EPA 608, 8080)	PESTICIDES (EPA 608, 8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)	LUFT METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (TCLP, STLC)	NUMBER OF CONTAINERS	
P7 (3)	Soil	10/5/98	8 AM	Soil			X	X															1
P8 (3)							X	X															
P9 (5)							X	X															
P10 (5)							X	X															
P11 (4)							X	X															
P12 (5)							X	X															
P13 (6)							X	X															
P14 (5)							X	X								X							

Project Information		Sample Receipt			
Project Name: <u>Farmer Berkeley Farms</u>	Total No. of Containers: <u> </u>				
Project No: <u>4530 San Pablo, Emery - 1112</u>	Head Space: <u> </u>				
PO # <u> </u>	Rec'd Good Condition/Cold: <u> </u>				
TAT: <u>Standard 5-Day</u>	Conforms To Record: <u> </u>	24	48	72	Other

Relinquished By: (Signature) <u>Joe Grazioplene</u>	1. Relinquished By: (Signature) <u> </u>	2. Relinquished By: (Signature) <u> </u>	3. Relinquished By: (Signature) <u> </u>
(Printed Name) <u>Joe Grazioplene</u>	(Printed Name) <u> </u>	(Printed Name) <u> </u>	(Printed Name) <u> </u>
(Date) <u>10/5/98</u>	(Date) <u> </u>	(Date) <u> </u>	(Date) <u> </u>
(Time) <u> </u>	(Time) <u> </u>	(Time) <u> </u>	(Time) <u> </u>

Special Instructions / Comments:
Paradise Job NO #1095
copy of Fax invoice to Geo Logic

Received By: (Signature) <u>Ronald W Shrewsbury</u>	1. Received By: (Signature) <u> </u>	2. Received By: (Signature) <u> </u>	3. Received By: (Signature) <u> </u>
(Printed Name) <u>Ronald W Shrewsbury</u>	(Printed Name) <u> </u>	(Printed Name) <u> </u>	(Printed Name) <u> </u>
(Date) <u>10/5/98</u>	(Date) <u> </u>	(Date) <u> </u>	(Date) <u> </u>
(Time) <u>11:45</u>	(Time) <u> </u>	(Time) <u> </u>	(Time) <u> </u>