



Pacific Environmental Group, Inc.
1601 Civic Center Drive
Suite 202
Santa Clara, CA 95050

December 9, 1988

ATTN: John Adams

Following are the results of analyses on the samples described below.

Project: 330-40.01
Lab Numbers: SB-12-053-01 & SB-12-053-02
Number of Samples: 2
Sample Type: Soil
Date Received: 12/6/88
Analyses Requested: High Boiling Hydrocarbons,
Oil & Grease

The method of analysis for high boiling hydrocarbons in soil involves extracting the sample with acetone. The mixture is partitioned with hexane and the resulting extract is examined by gas chromatography using a flame ionization detector.

The method of analysis for oil and grease in soil is taken from EPA Method 3550 and Standard Methods Section 503E. The sample is extracted with repeated portions of 50:50 methylene chloride:acetone using a horn-type sonicator. The extract is dried with sodium sulfate and treated with silica gel to remove polar compounds. Following evaporation, oil and grease is determined gravimetrically.

ND = None Detected

Results

Lab Number	Sample Identification	Parts per Million - dry soil basis		
		High Boiling Hydrocarbons (calculated as diesel)	High Boiling Hydrocarbons (calculated as oil)	Oil & Grease
SB-12-053-01	WC-D2	ND	ND	ND
SB-12-053-02	WC-F2	ND	ND	ND
Detection Limits		10.	10.	20.


Fred Rouse

FR/mlh

SAMPLING/ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Project No.: 330-40.01 Requested By: E. G. P.O. No.: _____

REQUEST		LABORATORY REQUIREMENTS					CHAIN OF CUSTODY				
SAMPLE TYPE:							SAMPLER'S SIGNATURE		CONTRACT LABORATORY		
SAMPLE I.D.	PARAMETERS	CONTAINERS		PRES.	LAB	DUE DATE	SAMPLER	SAMPLE DATE	REC'D BY	COMMENTS	DATE REC'D
		SIZE/TYPE	QUANTITY								
SP-1	8240 WASTE OIL, OIL + GREASE GAS/BTX	BRASS RING, 2"	1	ND BTX	IT	2 WKS	SEB	9.29.88	MD	COOL, OK	9/29
SP-2	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓

SIGNATURES:

RELEASED BY: _____	RELEASED BY: _____	RELEASED BY: _____
RECEIVED BY: _____	RECEIVED BY: _____	RECEIVED BY: _____
RELEASED BY: _____	RELEASED BY: _____	RELEASED BY: <u>Sandra E. Brune</u> 9.29.88 1635
RECEIVED BY: _____	RECEIVED BY: _____	RECEIVED BY LAB: <u>[Signature]</u> 17520 9/29/88 1635

SAMPLING/ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Project No.: 330-40.01

Requested By: JBA

P.O. No.: 10268

REQUEST		LABORATORY REQUIREMENTS					CHAIN OF CUSTODY				
SAMPLE TYPE: SOIL		CONTAINERS					SAMPLER'S SIGNATURE <i>Daniel Reegan</i>		CONTRACT LABORATORY		
SAMPLE I.D.	PARAMETERS						SIZE/TYPE	QUANTITY	PRES.	LAB	DUE DATE
W0-A1,2	TPH 8240 503E 8270 metals	2" Brass Ring	2	NP	IT	11/8/88	DR	11-4-88	<i>DR</i>	BK	11/4/88
W0-B1,2	↓	↓	2	↓	↓	↓	↓	↓	↓	↓	↓
✓ W0-C	HBH, 503E	↓	1	↓	↓	↓	↓	↓	↓	↓	↓
✓ W0-D	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
✓ W0-E	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
✓ W0-F	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓

SIGNATURES:

RELEASED BY: _____

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RELEASED BY: _____

RELEASED BY: *Daniel Reegan* 11-4-88 4:35 dr

RECEIVED BY: _____

RECEIVED BY: _____

RECEIVED BY LAB: *[Signature]* ITSCV 11/4/88 1635

REQUEST FOR ANALYSIS

SCV WORK ORDER NO. 58-12-053

ORIGINAL

PROJECT NAME _____
PROJECT NUMBER 40330-40.01
PROJECT MANAGER IBA (P.E.G.)
BILL TO _____
PURCHASE ORDER NO. 10363
CLIENT AUTHORIZATION _____

DATE SAMPLES RECEIVED 12/6/88
LAB DESTINATION Santa Clara Valley
LABORATORY CONTACT _____
SEND LAB REPORT TO _____
DATE REPORT REQUIRED 12/7/88
DATE VERBAL RESULTS REQUIRED _____
PROJECT CONTACT John Adams
PROJECT CONTACT PHONE NO. 984-6536

SAMPLE FRACTION NO.	SAMPLE IDENTIFICATION	SAMPLE TYPE	DATE COLLECTED	SAMPLE VOLUME	PRESERVATIVE	REQUIRED TESTING PROGRAM	CONDITION UPON RECEIPT
	W0-DZ	SOIL	12/6/88	2" BEAMS RING	NP	24-Hour (ABH, 0+6)	ok Cool
	W0-FZ	↓	↓	↓	↓	↓	
Sampled by and Released by <u>John B. Adams</u> 12/6/88 1450							

SPECIAL INSTRUCTIONS: HARD COPY BY 12/7 @ 4:00pm.

TURNAROUND TIME REQUIRED: Normal _____ Rush (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

Nonhazardous _____ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping and disposal.)

Return to Client _____ Disposal by Lab _____

FOR LAB USE ONLY

Received By Josephine DeCarli Date/Time 12/6/88 14:50