PACIFIC TESTING LABORATORIES

EXECUTIVE OFFICES
3220 - 17th Avenue West
Seattle, WA 98119-1790
(206) 282-0666
FAX (206) 282-0710

TACOMA DIVISION
2402 Pacific Highway East
Tacoma, WA 98424
(206) 922-9299
FAX (206) 922-1512

September 29, 1989
Certificate No. 8909-7155

O'SULLIVAN CONSTRUCTION COMPANY
3214 16th Avenue S.W.
Seattle, WA 98134

Attention: Mr. Win Brown

Subject: Contamination Testing of Soil

Gentlemen:

On September 26, 1989, the Chemistry Department of Pacific Testing Laboratories received one (1) soil sample under your P.O. No. 16846 for your job at 3220 19th Avenue West, Seattle, Washington. The sample was analyzed for total petroleum hydrocarbons (TPH), EPA Method 418.1, using Perkin Elmer 1600 Series FTIR. Results of this analysis, in parts per million (ppm), are presented in Table 1.

Table 1. Analytical Results for Soil Samples (ppm)

Sample I.D.	% of Water	Total Petroleum Hydrocarbons
1	11.5	<50.0

The regulated maximum set for total petroleum hydrocarbons in soil is 0.020 weight percent (200 ppm).

If you have any questions please contact us at 282-0666.

Prepared by: Mark A. Dubach, Chemist, Chemistry Department MAD

Sincerely yours,

Robert Alle Bartlett

Robert A. Bartlett, Manager
Chemistry Department

MAD/sr

PACIFIC TESTING LABORATORIES

CHEMICAL ANALYSIS
SOIL MECHANICS LAB
CALIBRATION SERVICES
CONSTRUCTION SERVICES
ENVIRONMENTAL SERVICES
STRUCTURAL INSTRUMENTATION

EXECUTIVE OFFICES
3220 - 17th Avenue West
Seattle, Washington 98119-1790
Telephone: (206) 282-0666
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SOIL TEST BORINGS
CONSULTING ENGINEERS
CONSULTING GEOLOGISTS
FORENSIC CONSULTATION
STRENGTH OF MATERIALS LAB
NON-DESTRUCTIVE EXAMINATION

June 19, 1989
Certificate No. 8906-7060

RECEIVED
JUN 23 1989
O'SULLIVAN CONSTRUCTION INC.

RECEIVED
OCT 12 1989
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

O'SULLIVAN CONSTRUCTION COMPANY
1401 West Nickerson Street
Seattle, WA 98119

Attention: Mr. Win Brown

Subject: Contamination Testing of Soil

Gentlemen:

On June 6, 1989, the Chemistry Department of Pacific Testing Laboratories received two (2) soil samples under your P.O. No. 15949 for Job No. 21747. The samples were analyzed for total hydrocarbons using Standard Methods 503A, benzene, toluene, and xylenes (BTX) content by EPA Method 3810 (Headspace Method) using a Hewlett-Packard 5890A gas chromatograph. In addition to these analyses, an FTIR scan of extracted oil and grease from sample number two was performed using a Perkin Elmer 1600 series FTIR. Results of this analysis, in parts per million (ppm), are presented in Table 1.

The arbitrary maximum set for total hydrocarbons in soil is 0.020 weight percent (200 ppm).

If you have any questions, please contact us at (206) 282-0666.

Prepared By: Mark A. Dubach, Chemist, Chemistry Department MAD

Sincerely yours,

Robert Allen Bartlett

Robert A. Bartlett, Assistant Manager
Chemistry Department

Attachment: Table 1

MAD/tas

Table 1. Analytical Results for Soil Samples (ppm)

Sample I.D.	% of Water	Total Hydrocarbons	Benzene	Toluene	Xylenes Para-	Meta-	Ortho-
1	20.4	55.8	<0.01	<0.01	<0.01	<0.01	<0.01
2	16.0	5096.2	<0.01	<0.01	0.23	0.15	0.50

FTIR Scan on sample number two revealed simple hydrocarbons.