Clayton Environmental Consultants, Inc.

P.O. Box 9019 • 1252 Quarry Lane • Pleasanton, CA 94566 • (415) 426-2600

RECEIVED

JUN 1 1989

May 31, 1989

PARADISO
CONSTRUCTION CO.

Clayton Project No: 23977.00

Mr. Eric V. Montesano
**PARADISO CONSTRUCTION CO.**
P.O. Box 6397
Oakland, CA 94603

Dear Mr. Montesano:

Clayton performed soil and groundwater sampling on May 24, 1989 at the San Francisco French Bread Company facility located at 4070 San Pablo Avenue in Emeryville in accordance with your purchase order, Number 534. Sampling was performed under the direction of Mr. Dennis Byrne of the Alameda County Health Agency. The following samples and analyses are being prepared:

Soil Samples

| | |
|---|---|
| Gas north #2 @ 9' | TPH as gasoline, BTEX |
| Gas south #1 @ 9' | TPH as gasoline, BTEX |
| Diesel north #2 @ 9' | TPH as diesel |
| Diesel #1 @ 9' | TPH as diesel |

Water Samples

| | |
|---|---|
| Gas tank @ 10' | TPH as gasoline, BTEX |
| Diesel tank @ 10' | TPH as diesel, BTEX |

Our time spent onsite included an approximately 3 hour delay while purging the gasoline tank still in the excavation and waiting for Mr. Byrne to return to the site.

Services for this project will be billed on a time and materials basis according to our attached regular Fee Schedule. Lab results and sample location map will be forthcoming in approximately 2 weeks.

If you have any questions, or if Clayton can be of additional service, please do not hesitate to call me at (415) 426-2661.

Sincerely,

Andrew E. Seutter
Geologist

AS/hh
Attachment

Clayton Environmental Consultants, Inc.

P.O. Box 9019 • 1252 Quarry Lane • Pleasanton, CA 94566 • (415) 426-2600

June 15, 1989

Clayton Project No: 23977-00

Mr. Paul Paradiso
**PARADISO CONSTRUCTION CO.**
P.O. Box 6397
Oakland, CA 94603

Dear Mr. Paradiso:

Soil and groundwater samples were collected by Clayton at the San Francisco French Bread Company facility at 4070 San Pablo Avenue, Emeryville on May 24, 1989. Samples were taken as part of your closure-removal of one 10,000-gallon underground gasoline storage tank and one 10,000-gallon underground diesel storage tank. Figure 1 depicts sampling locations and former locations of the tanks. This letter reports results of work performed in accordance with your purchase order #534.

Mr. Dennis Byrne of the Alameda County Health Agency directed sampling locations and specified which chemical analyses to perform. After tank removal four soil samples were taken at a depth of 9 feet from the excavation sidewalls adjacent to the north and south end of each tank. Four groundwater samples were collected from water which flowed into two distinct depressions created by the tank bottoms. Water stood at a depth of 10 feet at the time of sampling.

Soil samples were collected by driving steam-cleaned new brass tubes (6" x 2½" diameter) into the soil with a sledge hammer, then digging out the tube, and sealing the ends with aluminum foil, plastic caps, and electrical tape. Water samples were collected by submerging a glass bottle into the standing water, allowing it to fill, then transferring the water to appropriate sample containers. All samples were labeled and placed in an iced cooler for transport to Clayton's State Certified Hazardous Materials Laboratory in Pleasanton. Proper chain of custody was maintained and a copy of the Chain of Custody form is included with this letter.

Complete laboratory analysis results are attached to this letter. They are summarized for convenience in the table below:

**SOIL SAMPLES**

| | Gasoline Tank | | Diesel Tank | |
|---|---|---|---|---|
| | North | South | North | South |
| TPH as Gasoline | 20ppm | 40ppm | <10ppm | 30ppm |
| TPH as Diesel | <10ppm | 70ppm | <10ppm | 20ppm |
| TPH as Oil | <100ppm | <100ppm | <100ppm | <100ppm |
| Benzene | 0.55ppm | 2.7ppm | 0.51ppm | 0.29ppm |
| Ethylbenzene | 0.62ppm | 6.6ppm | 0.41ppm | 0.21ppm |
| Toluene | 1.8 ppm | 8.0ppm | 1.3 ppm | 0.68ppm |
| Xylenes | 3.3 ppm | 19.0ppm | 2.5 ppm | 1.4 ppm |

**WATER SAMPLES**

| | Gasoline Tank | Diesel Tank | State Action Level |
|---|---|---|---|
| TPH as Gasoline | 200ppm | 110ppm | N/A |
| TPH as Diesel | <10ppm | <10ppm | N/A |
| TPH as Oil | <100ppm | <100ppm | N/A |
| Benzene | 20,000ppb | 24,000ppb | 1.0ppb |
| Ethylbenzene | 2,700ppb | 2,900ppb | 680ppb |
| Toluene | 28,000ppb | 35,000ppb | 100ppb |
| Xylenes | 18,000ppb | 18,000ppb | 620ppb |

TPH = total petroleum hydrocarbons

Sample analysis results indicate groundwater is contaminated with benzene, ethylbenzene, toluene, and xylenes above State Action Levels. It is up to the owner of the property to notify Alameda County Health Agency, (415) 271-4320, and Regional Water Quality Control Board, (415) 464-1255, of these findings, and to complete and file an Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report with these agencies. We have included a blank form with this letter for your convenience.

Analysis of sidewall soil samples indicate that contaminant concentrations are greater in samples from the south side of the excavation than from the north end. Fill pipes were formerly on the south ends of both tanks. Over-filling and spillage during filling may be responsible for this southerly contamination. It is not known whether the tanks and piping were tested for leakage prior to removal. Lateral extent of soil contamination can be determined by drilling or backhoe excavation and additional sampling.

Groundwater contamination associated with underground storage tanks typically requires an investigation to determine the extent of soil and groundwater contamination. Clayton can provide a proposal to conduct a subsurface investigation for the property owner which would include soil sampling and installation and sampling of three groundwater monitoring wells.

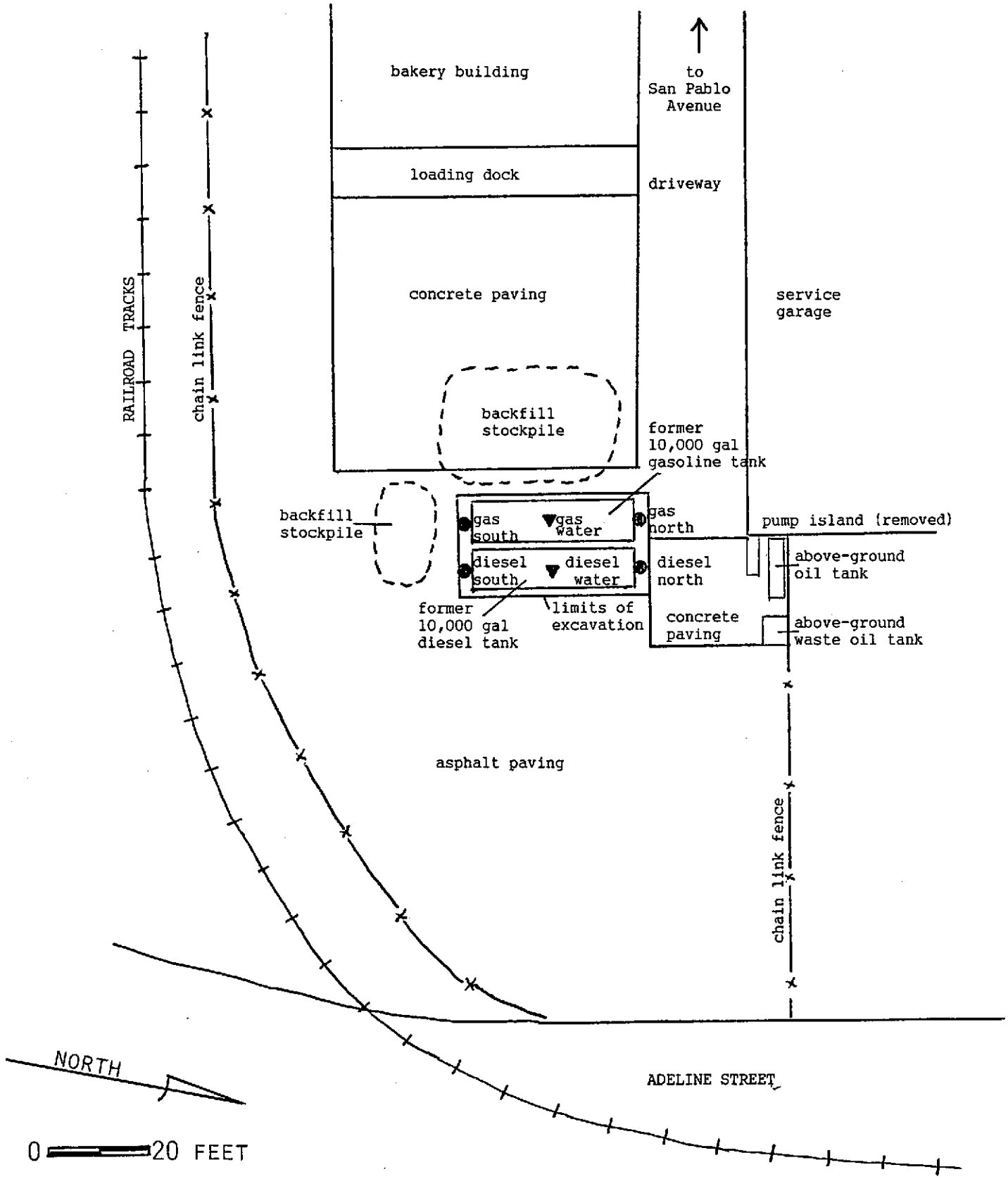
Soil removed from the excavation and stockpiled onsite should not be considered nonhazardous without chemical analysis. Use of this material to backfill the excavation should be carried out only after approval of the appropriate regulatory agency.

Thank you for this opportunity to be of service. If you have any questions, or if Clayton can be of additional service, please call me at (415) 426-2661.

Sincerely,

Andrew E. Seutter
Geologist

AES/jse
Enclosure




**Clayton Environmental Consultants, Inc.**

SOIL AND GROUNDWATER SAMPLE LOCATION MAP
SAN FRANCISCO FRENCH BREAD COMPANY
4070 SAN PABLO AVENUE, EMERYVILLE, CA

Figure 1

Clayton Environmental Consultants, Inc.

P.O. Box 9019 • 1252 Quarry Lane • Pleasanton, CA 94566 • (415) 426-2600

June 12, 1989

Mr. Drew Seutter
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
P.O. Box 9019
1252 Quarry Lane
Pleasanton, CA 94566

Client Ref. No.: 23977.00
Lab Batch No.: 8905277
Clayton Project No.: 23977.77
Client Code No.: 0582

Dear Mr. Seutter:

Attached is our analytical laboratory report for the samples received on May 24, 1989. A copy of the Chain of Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be retained at our facility for approximately 30 days after the date of this report, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please call Maryann Gambino, Client Services Representative, at (415) 426-2657.

Sincerely,

Ronald H. Peters, CIH
Manager, Laboratory Services

RHP/ewq
Attachment

EPA METHOD 602
PURGEABLE AROMATICS

| | | | |
|---|---|---|---|
| Sample I.D.: | Gas 1A | Client: | PARADISO CONSTRUCTION |
| Sample Received: | 05/24/89 | Client Ref. No.: | 23977.00 |
| Sample Analyzed: | 05/31/89 | Lab Client Code: | 0582 |
| Sample Matrix: | Water | Lab No.: | 8905277-01 |

| Compound | Concentration µg/L (ppb) | Limit of Detection µg/L (ppb) |
|---|---|---|
| Benzene | 20,000 | 800 |
| Ethylbenzene | 2,700 | 600 |
| Toluene | 28,000 | 600 |
| Xylenes | 18,000 | 800 |

ND = Not detected at or above limit of detection

# EPA METHOD 602
# PURGEABLE AROMATICS

| | | | |
|---|---|---|---|
| Sample I.D.: | Diesel 1A | Client: | PARADISO CONSTRUCTION |
| Sample Received: | 05/24/89 | Client Ref. No.: | 23977.00 |
| Sample Analyzed: | 05/31/89 | Lab Client Code: | 0582 |
| Sample Matrix: | Water | Lab No.: | 8905277-03 |

| Compound | Concentration µg/L (ppb) | Limit of Detection µg/L (ppb) |
|---|---|---|
| Benzene | 24,000 | 400 |
| Ethylbenzene | 2,900 | 300 |
| Toluene | 35,000 | 300 |
| Xylenes | 18,000 | 400 |

ND = Not detected at or above limit of detection

# EPA METHOD 602
# PURGEABLE AROMATICS

| | | | |
|---|---|---|---|
| Sample I.D.: | Method Blank | Client: | PARADISO CONSTRUCTION |
| Sample Received: | | Client Ref. No.: | 23977.00 |
| Sample Analyzed: | 05/31/89 | Lab Client Code: | 0582 |
| Sample Matrix: | Water | Lab No.: | 8905277-MB |

| Compound | Concentration µg/L (ppb) | Limit of Detection µg/L (ppb) |
|---|---|---|
| Benzene | ND | 0.4 |
| Ethylbenzene | ND | 0.3 |
| Toluene | ND | 0.4 |
| Xylenes | ND | 0.4 |

ND = Not detected at or above limit of detection

EPA METHOD 8020
PURGEABLE AROMATICS

| | | | |
|---|---|---|---|
| Sample I.D.: | Gasoline tank south #1 | Client: | PARADISO CONSTRUCTION |
| Sample Received: | 05/24/89 | Client Ref. No.: | 23977.00 |
| Sample Analyzed: | 06/01/89 | Lab Client Code: | 0582 |
| Sample Matrix: | Soil | Lab No.: | 8905277-05 |

| Compound | Concentration mg/kg (ppm) | Limit of Detection mg/kg (ppm) |
|---|---|---|
| Benzene | 2.7 | 0.04 |
| Ethylbenzene | 6.6 | 0.03 |
| Toluene | 8.0 | 0.02 |
| Xylenes | 19 | 0.04 |

ND = Not detected at or above limit of detection

# EPA METHOD 8020
# PURGEABLE AROMATICS

Sample I.D.: Gasoline tank north #2 Client: PARADISO CONSTRUCTION

Sample Received: 05/24/89 Client Ref. No.: 23977.00

Sample Analyzed: 06/01/89 Lab Client Code: 0582

Sample Matrix: Soil Lab No.: 8905277-06

| Compound | Concentration mg/kg (ppm) | Limit of Detection mg/kg (ppm) |
|---|---|---|
| Benzene | 0.55 | 0.04 |
| Ethylbenzene | 0.62 | 0.03 |
| Toluene | 1.8 | 0.02 |
| Xylenes | 3.3 | 0.04 |

ND = Not detected at or above limit of detection

EPA METHOD 8020
PURGEABLE AROMATICS

| | | | |
|---|---|---|---|
| **Sample I.D.:** | Diesel tank south #1 | **Client:** | PARADISO CONSTRUCTION |
| **Sample Received:** | 05/24/89 | **Client Ref. No.:** | 23977.00 |
| **Sample Analyzed:** | 06/01/89 | **Lab Client Code:** | 0582 |
| **Sample Matrix:** | Soil | **Lab No.:** | 8905277-07 |

| Compound | Concentration mg/kg (ppm) | Limit of Detection mg/kg (ppm) |
|---|---|---|
| Benzene | 0.29 | 0.04 |
| Ethylbenzene | 0.21 | 0.03 |
| Toluene | 0.68 | 0.02 |
| Xylenes | 1.4 | 0.04 |

ND = Not detected at or above limit of detection

EPA METHOD 8020
PURGEABLE AROMATICS

| | | | |
|---|---|---|---|
| Sample I.D.: | Diesel tank north #2 | Client: | PARADISO CONSTRUCTION |
| Sample Received: | 05/24/89 | Client Ref. No.: | 23977.00 |
| Sample Analyzed: | 06/01/89 | Lab Client Code: | 0582 |
| Sample Matrix: | Soil | Lab No.: | 8905277-08 |

| Compound | Concentration mg/kg (ppm) | Limit of Detection mg/kg (ppm) |
|---|---|---|
| Benzene | 0.51 | 0.04 |
| Ethylbenzene | 0.41 | 0.03 |
| Toluene | 1.3 | 0.02 |
| Xylenes | 2.5 | 0.04 |

ND = Not detected at or above limit of detection

EPA METHOD 8020
PURGEABLE AROMATICS

| | | | |
|---|---|---|---|
| Sample I.D.: | Method Blank | Client: | PARADISO CONSTRUCTION |
| Sample Received: | | Client Ref. No.: | 23977.00 |
| Sample Analyzed: | 06/01/89 | Lab Client Code: | 0582 |
| Sample Matrix: | Soil | Lab No.: | 8905277-MB |

| Compound | Concentration mg/kg (ppm) | Limit of Detection mg/kg (ppm) |
|---|---|---|
| Benzene | ND | 0.04 |
| Ethylbenzene | ND | 0.03 |
| Toluene | ND | 0.02 |
| Xylenes | ND | 0.04 |

ND = Not detected at or above limit of detection

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)
(MICRO EXTRACTION)

| | | | |
|---|---|---|---|
| Sample I.D.: | Gas 2A | Client: | PARADISO CONSTRUCTION |
| Sample Received: | 05/24/89 | Client Ref. No.: | 23977.00 |
| Sample Analyzed: | 06/07/89 | Lab Client Code: | 0582 |
| Sample Matrix: | Water | Lab No.: | 8905277-02 |

| Total Hydrocarbons as | Concentration mg/L (ppm) | Limit of Detection mg/L (ppm) |
|---|---|---|
| Gasoline | 200 | 10 |
| Diesel | ND | 10 |
| Oil | ND | 100 |

ND = Not detected at or above limit of detection.

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)
(MICRO EXTRACTION)

| | | | |
|---|---|---|---|
| Sample I.D.: | Diesel 2 | Client: | PARADISO CONSTRUCTION |
| Sample Received: | 05/24/89 | Client Ref. No.: | 23977.00 |
| Sample Analyzed: | 06/07/89 | Lab Client Code: | 0582 |
| Sample Matrix: | Water | Lab No.: | 8905277-04 |

| Total Hydrocarbons as | Concentration mg/L (ppm) | Limit of Detection mg/L (ppm) |
|---|---|---|
| Gasoline | 110 | 10 |
| Diesel | ND | 10 |
| Oil | ND | 100 |

ND = Not detected at or above limit of detection.

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)
(MICRO EXTRACTION)

| | | | |
|---|---|---|---|
| Sample I.D.: | Method Blank | Client: | PARADISO CONSTRUCTION |
| Sample Received: | | Client Ref. No.: | 23977.00 |
| Sample Analyzed: | 06/07/89 | Lab Client Code: | 0582 |
| Sample Matrix: | Water | Lab No.: | 8905277-MB |

| Total Hydrocarbons as | Concentration mg/L (ppm) | Limit of Detection mg/L (ppm) |
|---|---|---|
| Gasoline | ND | 10 |
| Diesel | ND | 10 |
| Oil | ND | 100 |

ND = Not detected at or above limit of detection.

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)
(MICRO EXTRACTION)

| | | | |
|---|---|---|---|
| Sample I.D.: | Gasoline tank south #1 | Client: | PARADISO CONSTRUCTION |
| Sample Received: | 05/24/89 | Client Ref. No.: | 23977.00 |
| Sample Analyzed: | 06/07/89 | Lab Client Code: | 0582 |
| Sample Matrix: | Soil | Lab No.: | 8905277-05 |

| Total Hydrocarbons as | Concentration mg/kg (ppm) | Limit of Detection mg/kg (ppm) |
|---|---|---|
| Gasoline | 40 | 10 |
| Diesel | 70 | 10 |
| Oil | ND | 100 |

ND = Not detected at or above limit of detection.

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)
(MICRO EXTRACTION)

| | | | |
|---|---|---|---|
| **Sample I.D.:** | Gasoline tank north #2 | **Client:** | PARADISO CONSTRUCTION |
| **Sample Received:** | 05/24/89 | **Client Ref. No.:** | 23977.00 |
| **Sample Analyzed:** | 06/07/89 | **Lab Client Code:** | 0582 |
| **Sample Matrix:** | Soil | **Lab No.:** | 8905277-06 |

| Total Hydrocarbons as | Concentration mg/kg (ppm) | Limit of Detection mg/kg (ppm) |
|---|---|---|
| Gasoline | 20 | 10 |
| Diesel | ND | 10 |
| Oil | ND | 100 |

ND = Not detected at or above limit of detection.

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)
(MICRO EXTRACTION)

| | | | |
|---|---|---|---|
| Sample I.D.: | Diesel tank south #1 | Client: | PARADISO CONSTRUCTION |
| Sample Received: | 05/24/89 | Client Ref. No.: | 23977.00 |
| Sample Analyzed: | 06/07/89 | Lab Client Code: | 0582 |
| Sample Matrix: | Soil | Lab No.: | 8905277-07 |

| Total Hydrocarbons as | Concentration mg/kg (ppm) | Limit of Detection mg/kg (ppm) |
|---|---|---|
| Gasoline | 30 | 10 |
| Diesel | 20 | 10 |
| Oil | ND | 100 |

ND = Not detected at or above limit of detection.

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)
(MICRO EXTRACTION)

| | | | |
|---|---|---|---|
| Sample I.D.: | Diesel tank north #2 | Client: | PARADISO CONSTRUCTION |
| Sample Received: | 05/24/89 | Client Ref. No.: | 23977.00 |
| Sample Analyzed: | 06/07/89 | Lab Client Code: | 0582 |
| Sample Matrix: | Soil | Lab No.: | 8905277-08 |

| Total Hydrocarbons as | Concentration mg/kg (ppm) | Limit of Detection mg/kg (ppm) |
|---|---|---|
| Gasoline | ND | 10 |
| Diesel | ND | 10 |
| Oil | ND | 100 |

ND = Not detected at or above limit of detection.

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8015 (MODIFIED)
(MICRO EXTRACTION)

| | | | |
|---|---|---|---|
| Sample I.D.: | Method Blank | Client: | PARADISO CONSTRUCTION |
| Sample Received: | | Client Ref. No.: | 23977.00 |
| Sample Analyzed: | 06/07/89 | Lab Client Code: | 0582 |
| Sample Matrix: | Soil | Lab No.: | 8905277-MB |

| Total Hydrocarbons as | Concentration mg/kg (ppm) | Limit of Detection mg/kg (ppm) |
|---|---|---|
| Gasoline | ND | 10 |
| Diesel | ND | 10 |
| Oil | ND | 100 |

ND = Not detected at or above limit of detection.

# Clayton ENVIRONMENTAL CONSULTANTS

A Marsh & McLennan Company

## REQUEST FOR LABORATORY ANALYTICAL SERVICES

| For Clayton Use Only | Page ____ of ____ |
|---|---|
| Project No. | |
| Batch No. | 8905277 |
| Client No. | 0582 |
| Date Received | 5/24/89 By TS |
| Date Logged In | 5/25/89 By TS |

**SEND INVOICE TO**

Purchase Order No. 534 | Client Job No.

Name Paradise Construction

Company | Dept.

Address

City, State, Zip Oakland

**REPORT RESULTS TO**

Name Drew Senter | Title Geologist

Company Clayton Environmental Consultants | Dept. EE

Mailing Address

City, State, Zip

Telephone No. 415 426 2661 | Telefax No.

Date Results Required:

Rush Charges Authorized? ☐ Yes ☒ No

Special Instructions: (method, limit of detection, phone results, rush results, etc.)

* Explanation of Preservative: 10ppm D.L. for Gas to Diesel

| CLIENT SAMPLE IDENTIFICATION | DATE SAMPLED | MATRIX/ MEDIA | ~~AIR VOLUME~~ (specify units) | Number of Containers | ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added*) | | | | | | | | | | FOR LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | BTEX (602) | 8015 gasoline | diesel | BTEX (602) | gasoline | diesel | | | | | |
| Gas #1 A, B | 5-24-89 | water | 3 40ml | 2 | X | | | | | | | | | | 01A, 01B |
| Gas #2 A, B | 5-24-89 | ↓ | ↓ | ↓ | | X | | | | | | | | | 02 \| 02 |
| Diesel #1 A, B | 5-24-89 | ↓ | ↓ | ↓ | X | | | | | | | | | | 03 \| 03 |
| Diesel #2 | 5-24-89 | ↓ | 8 1L | 1 | | | X | | | | | | | | 04A |
| Gasoline Tank South #1 | 5-24-89 | Soil | BC | 1 | | | | X | X | | | | | | 05 |
| Gasoline Tank North #2 | 5-24-89 | ↓ | ↓ | ↓ | | | | X | X | | | | | | 06 |
| Diesel Tank South #1 | 5-24-89 | ↓ | ↓ | ↓ | | | | X | | X | | | | | 07 |
| Diesel Tank North #2 | 5-24-89 | ↓ | ↓ | ↓ | | | | X | | X | | | | | 08 |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

**CHAIN OF CUSTODY (If required)**

Relinquished by: Andersen & Senter | Date/Time 5/24/89 5:00 PM | Received by: | Date/Time

Relinquished by: | Date/Time | Received at lab by: Tracy Dalio | Date/Time 5:00PM 5/24/89

Method of Shipment: | Sample condition upon receipt:

Authorized by: _____ Date _____

(Client Signature Must Accompany Request)

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive, Novi, MI 48050, (313) 344-1770

Raritan Center, 160 Fieldcrest Ave., Edison, NJ 08837, (201) 225-6040

400 Chastain Center Blvd., N.W., Suite 490, Kennesaw, GA 30144, (404) 499-7500

1252 Quarry Lane, Pleasanton, CA 94566, (415) 426-2600

**DISTRIBUTION:**

WHITE - Clayton Laboratory

YELLOW - Clayton Accounting

PINK - Client Retains