

Ultramar

ALCO
HAZMAT

Ultramar Inc.
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Hanford, CA 93232-0466
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94 MAY -5 PM 4:18
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May 3, 1994

Mr. Scott O. Seery, CHMM
Senior Hazardous Materials Specialist
Alameda County Health Care Services
80 Swan Way, Room 200
Oakland, CA 94621

**SUBJECT: FORMER BEACON STATION NO. 574, 22315 REDWOOD ROAD, CASTRO VALLEY,
CALIFORNIA**

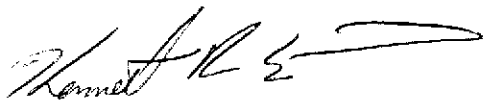
Dear Mr. Seery:

Enclosed is a copy of the First Quarter 1994 Groundwater Monitoring Report for the above-referenced Ultramar facility prepared by Fugro West, Inc. Also included with the report is a copy of the Quarterly Status report describing the work performed this quarter and the work anticipated to be conducted in the next quarter.

Please do not hesitate to call if you have any questions about this project at (209) 583-5571.

Sincerely,

ULTRAMAR INC.



Kenneth R. Earnest
Environmental Specialist II
Marketing Environmental Department

Enclosure: First Quarter 1994 Groundwater Monitoring Report
Quarterly Status Report

cc w/encl: Mr. Rich Hiett, San Francisco Bay Region, RWQCB



A Member of the Ultramar Group of Companies

BEACON
#1 Quality and Service

Ultramar

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ENVIRONMENTAL PROJECT QUARTERLY STATUS REPORT

DATE REPORT SUBMITTED: May 3, 1994
QUARTER ENDING: March 31, 1994

FORMER SERVICE STATION NO.: 574
ADDRESS: 22315 Redwood Road, Castro Valley, CA
COUNTY: Alameda
ULTRAMAR CONTACT: Kenneth R. Earnest

TEL. NO: 209-583-5571

BACKGROUND:

On May 5, 1987, five underground storage tanks (two gasoline, two diesel and one waste oil) were excavated and removed from the site. Soil samples were collected from beneath the tanks and analyzed for hydrocarbon constituents. Based on preliminary analytical data related to the collected soil samples, it was determined that elevated levels of gasoline and diesel were present in the soil beneath the former fuel tanks. Soil was overexcavated from beneath the former fuel tanks. Soil samples were collected after the over-excavation and confirmed that the addition excavation was successful.

During March 1991, three ground-water monitoring wells were installed on-site. Laboratory analysis of soil samples obtained from the borings for the installation of the monitoring wells indicated that the soil near the soil/water interface exhibited gasoline range hydrocarbons.

Quarterly monitoring was initiated during the fourth quarter 1991.

Installed five new groundwater monitoring wells in May of 1993. With the installation of these new wells the site is fully defined.

SUMMARY OF THIS QUARTER'S ACTIVITIES:

Performed fourth quarter monitoring on March 1, 1994.



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BEACON
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Page 2
Former Station #574
Castro Valley, CA

Conducted a soil gas survey/performance test, aquifer pump test and air sparging test during first quarter 1994.

RESULT OF QUARTERLY MONITORING:

Results indicate that since the previous sampling event benzene and TPH-g concentrations in MW-1, MW-2 and MW-3 have decreased. Benzene concentrations in MW-4, MW-5, MW-6, MW-7 and MW-8 have remained not detected since installation.

PROPOSED ACTIVITY OR WORK FOR NEXT QUARTER:

| <u>ACTIVITY</u> | <u>ESTIMATED COMPLETION DATE</u> |
|---------------------------|---|
| Second quarter monitoring | May 1994 |

FUGRO WEST, INC.



1050 Melody Lane, Suite 160
Roseville, California 95678
Tel: (916) 782-2110
FAX: (916) 786-7830

April-11, 1994

Mr. Kenneth Earnest
Environmental Specialist
Ultramar Inc.
525 West Third Street
Hanford, California 93232-0466

Subject: **First Quarter 1994 Groundwater Monitoring Report**
Beacon Station #574
22315 Redwood Road, Castro Valley, California

Dear Mr. Earnest:

This report documents the results of quarterly groundwater monitoring conducted on March 1, 1994, at the subject site (Figure 1). The monitoring, conducted by Doulos Environmental, included measurements of depth to groundwater, subjective analysis for free product, groundwater purging and collection of groundwater samples. All field activities pertaining to events in this report were conducted according to the Ultramar Field Procedures included in the Attachments.

GROUNDWATER ELEVATIONS

Prior to purging, Doulos Environmental personnel collected depth to groundwater measurements. Groundwater level data from March 1992 to date are summarized in Table 1. Historic groundwater levels are presented as an Attachment. On the basis of the current measurements, groundwater flows to the southwest (Figure 2) at a gradient of <0.01 ft/ft. Groundwater levels have increased an average of 0.83 feet compared to the last monitoring event.



GROUNDWATER SAMPLING AND ANALYSES

Groundwater samples were collected from eight wells. All samples were analyzed for concentrations of:

- TPH, as gasoline, by modified EPA Method 8015;
- BTEX by EPA Method 602.

Analytical results from March 1992 to date are summarized in Table 2. Historic analytical data is presented as an Attachment. Figure 3 is a distribution map of benzene in groundwater based on the current data. The laboratory report and chain-of-custody form for the current sampling event are attached. Benzene concentrations remain nondetectable in wells MW-4, MW-5, MW-6, MW-7, and MW-8. Concentrations decreased in wells MW-1, MW-2, and MW-3 compared to prior sampling.

A copy of this quarterly monitoring report should be forwarded to the following parties:

Mr. Scott Seery
Senior Hazardous Materials Specialist
Alameda County Health Agency
Division of Hazardous Materials
Department of Environmental Health
80 Swan Way, Room 350
Oakland, California 94621

Mr. Rich Hiatt
San Francisco Bay Regional Water Quality Control Board
2101 Webster Street, Suite 500
Oakland, California 94612



The interpretations and/or conclusions that may be contained within this report represent our professional opinions. These opinions are based on currently available information. Other than this, no warranty is implied or intended. This report has been prepared solely for the use of Ultramar, Inc. Any reliance on this report by third parties shall be at such parties' sole risk. This report was prepared under the review and supervision of the professional geologist/engineer, registered with the State of California, whose signature appears below.

If you have any questions or comments, please contact us at (916) 782-2110.

Sincerely,

FUGRO WEST, INC.

Sheila R. Richgels
Report Coordinator

Owen M. Kittredge
Registered Geologist
CRG No. 5853



4/11/94
Date

SRR/OMK/srr

Attachments

FIGURES:

FIGURE 1 SITE LOCATION MAP

FIGURE 2 POTENTIOMETRIC SURFACE MAP
(MARCH 1, 1994)

FIGURE 3 DISTRIBUTION OF BENZENE
IN GROUNDWATER (MARCH 1, 1994)

TABLES:

TABLE 1 WATER LEVEL DATA

TABLE 2 ANALYTICAL RESULTS: GROUNDWATER

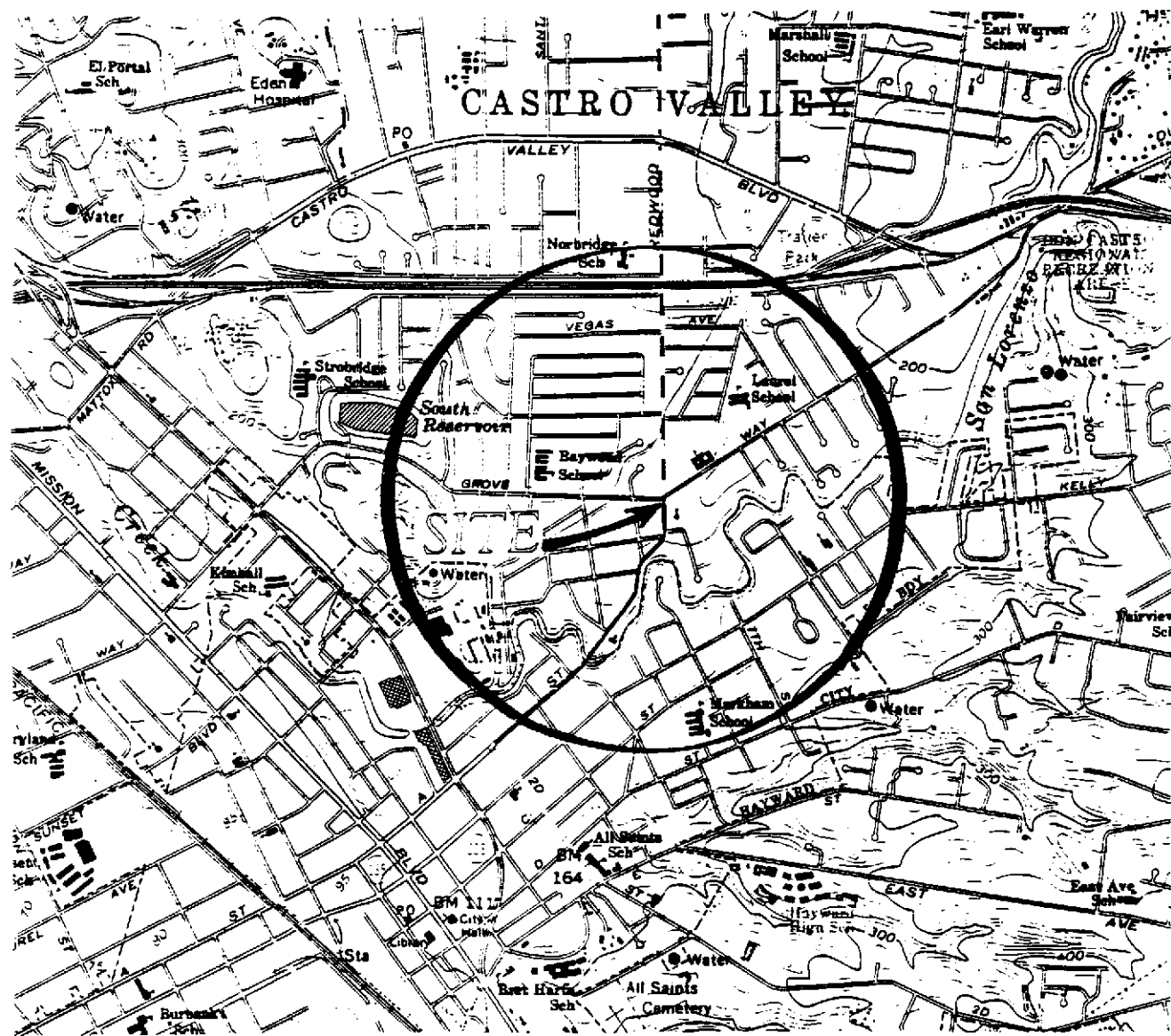
ATTACHMENTS:

ULTRAMAR FIELD PROCEDURES

HISTORICAL DATA

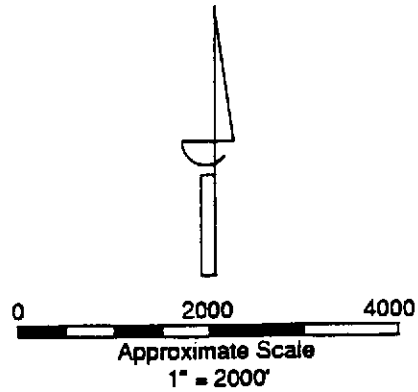
LABORATORY REPORT AND
CHAIN-OF-CUSTODY FORM


DOULOS ENVIRONMENTAL FIELD DATA SHEETS

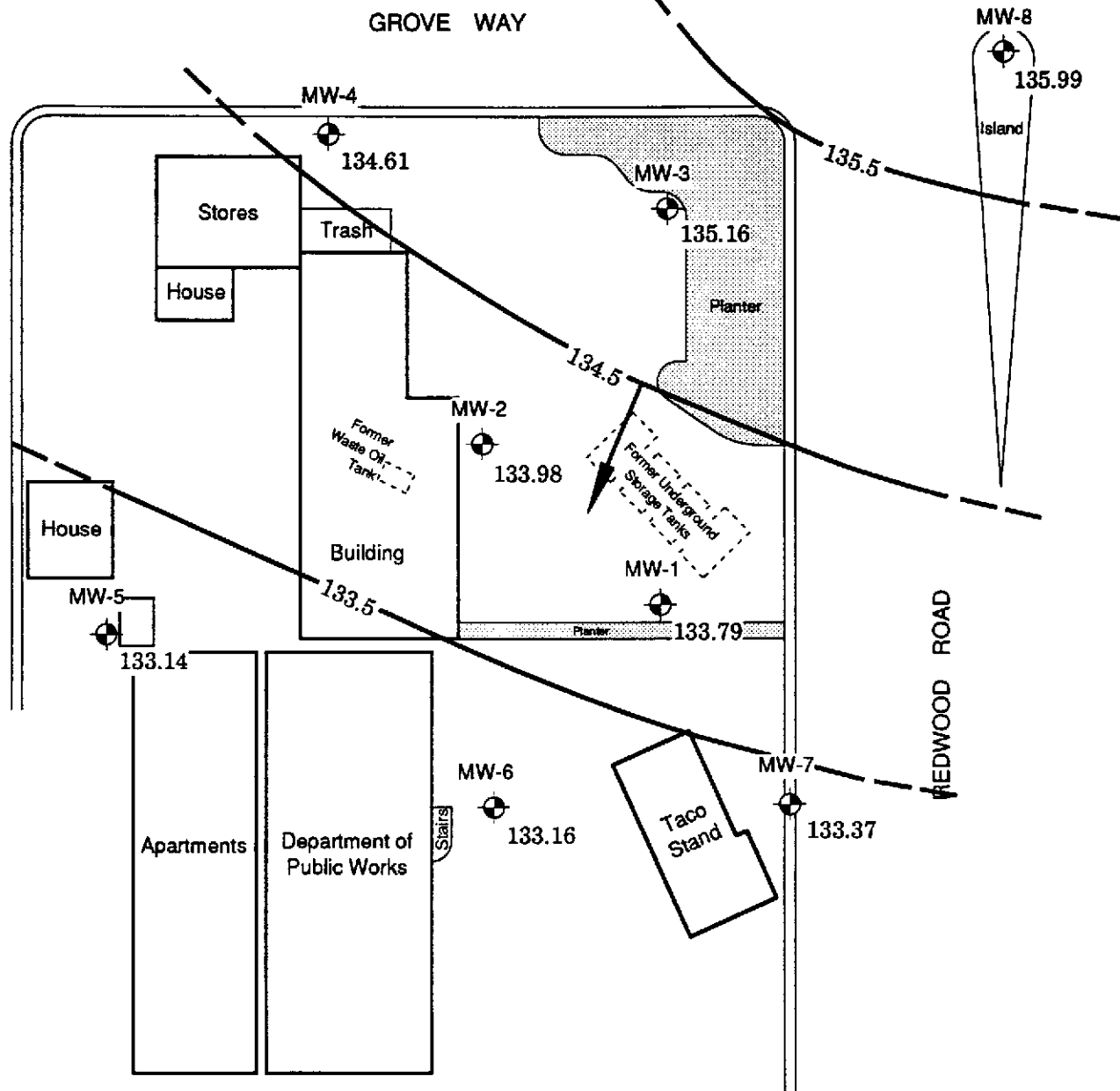


GENERAL NOTES:


BASE MAP FROM USGS
7.5 MINUTE TOPOGRAPHIC
HAYWARD, CALIF.



| | | | | | |
|--|-------------------------|--|--|-----------------------------|--|
|  AEGIS ENVIRONMENTAL, INC. | | SITE LOCATION MAP | | FIGURE 1 | |
| DRAWN BY: Ed Berand | DATE: April 13, 1992 | Former Beacon Station # 574 22315 Redwood Road Castro Valley, CA | | PROJECT NUMBER: 10-91212 | |
| REVISED BY: | DATE: | | | | |
| REVIEWED BY: <i>John Giorgi</i> | DATE: April 15, 1992 | | | | |



LEGEND

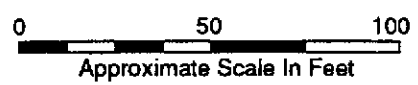
 Monitoring Well
 133.79 Groundwater Elevation in Feet

 Potentiometric Surface Contour Line
 (Dashed Where Inferred)

 Estimated Direction of Groundwater Flow

NOTES

Site Sketch After Site Map
 By Acton • Mickelson • van Dam, Inc.
 All locations Are Approximate



Hydraulic Gradient = < 0.01 ft/ft
 Contour Interval = 1.0 ft



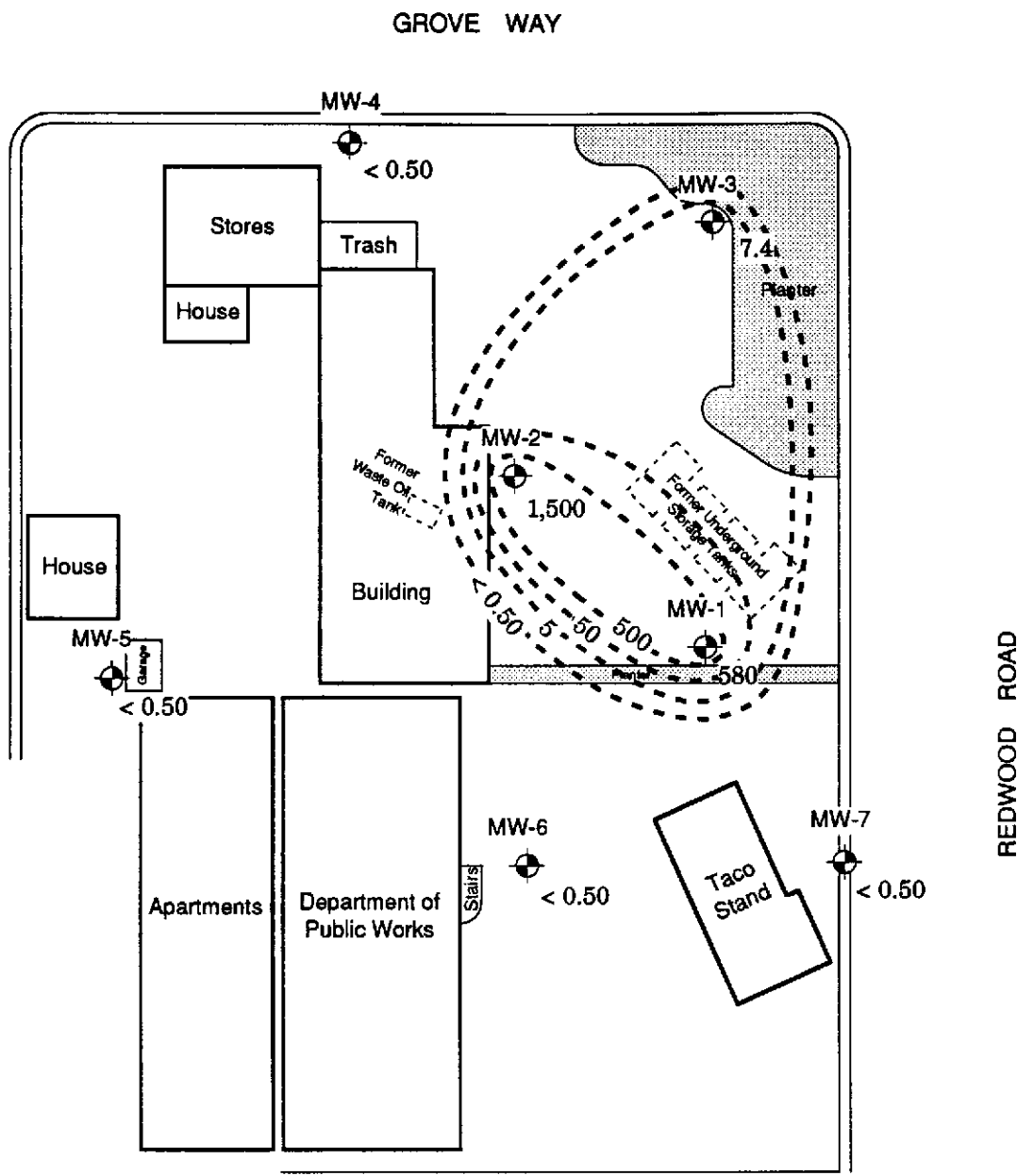
POTENTIOMETRIC SURFACE MAP
 March 1, 1994

FIGURE
 2



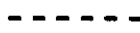

| | |
|----------------------|-------------------------|
| DRAWN BY: D. Hada | DATE: March 16, 1994 |
| REVISED BY: | DATE: |
| REVIEWED BY: | DATE: |

Former Beacon Station # 574
 22315 Redwood Road
 Castro Valley, CA

PROJECT NUMBER:
 92-779

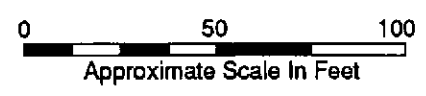


LEGEND

-  Monitoring Well
-  580 Benzene Concentration (parts-per-billion)
-  - - - - - Inferred Iso-Concentration Limits
-  < 0.50 Below Indicated Detection Limit

NOTES

- Site Sketch After Site Map
- By Acton • Mickelson • van Dam, Inc.
- All locations Are Approximate



Contour Interval = Exponential



**DISTRIBUTION MAP OF BENZENE
IN GROUNDWATER March 1, 1994**

**FIGURE
3**

| | |
|----------------------|-------------------------|
| DRAWN BY: D. Hada | DATE: March 16, 1994 |
| REVISD BY: | DATE: |
| REVIEWED BY: | DATE: |

Former Beacon Station # 574
22315 Redwood Road
Castro Valley, CA

PROJECT NUMBER:
92-779

TABLE 1
WATER LEVEL DATA
BEACON STATION #574
22315 REDWOOD ROAD, CASTRO VALLEY, CALIFORNIA
(Measurements in feet)

| Monitoring Well | Date | Reference Elevation (top of casing) ¹ | Depth to Groundwater ¹ | Groundwater Elevation ² | Well Depth | Comments |
|-----------------|----------|--|-----------------------------------|------------------------------------|------------|----------|
| MW-1 | 03/27/92 | 156.55 | 22.43 | 134.12 | — | |
| | 06/04/92 | | 23.40 | 133.15 | — | |
| | 09/23/92 | | 24.07 | 132.48 | — | |
| | 11/12/92 | | 24.16 | 132.39 | 29.33 | |
| | 02/02/93 | | 21.87 | 134.68 | 29.80 | |
| | 05/07/93 | | 22.58 | 133.97 | 29.84 | |
| | 05/18/93 | | 22.66 | 133.89 | — | |
| | 08/11/93 | | 23.41 | 133.14 | 29.81 | |
| | 11/05/93 | | 24.09 | 132.46 | 29.81 | |
| | 03/01/94 | | 22.76 | 133.79 | 29.85 | |
| MW-2 | 03/27/92 | 155.17 | 20.82 | 134.35 | — | |
| | 06/04/92 | | 21.81 | 133.36 | — | |
| | 09/23/92 | | 22.45 | 132.72 | — | |
| | 11/12/92 | | 22.60 | 132.57 | 29.71 | |
| | 02/02/93 | | 20.28 | 134.89 | 29.73 | |
| | 05/07/93 | | 20.97 | 134.20 | 29.73 | |
| | 05/18/93 | | 21.06 | 134.11 | — | |
| | 08/11/93 | | 21.85 | 133.32 | 29.70 | |
| | 11/05/93 | | 22.32 | 132.85 | 29.70 | |
| | 03/01/94 | | 21.19 | 133.98 | 29.68 | |
| MW-3 | 03/27/92 | 157.13 | 21.46 | 135.67 | — | |
| | 06/04/92 | | 22.34 | 134.79 | — | |
| | 09/23/92 | | 22.84 | 134.29 | — | |
| | 11/12/92 | | 23.04 | 134.09 | 29.55 | |
| | 02/02/93 | | 21.03 | 136.10 | 29.45 | |
| | 05/07/93 | | 21.59 | 135.54 | 29.53 | |
| | 05/18/93 | | 21.73 | 135.40 | — | |
| | 08/11/93 | | 22.31 | 134.82 | 29.41 | |
| | 11/05/93 | | 22.85 | 134.28 | 29.41 | |
| | 03/01/94 | | 21.97 | 135.16 | 29.55 | |
| MW-4 | 05/18/93 | 151.96 | 17.55 | 134.41 | — | |
| | 08/11/93 | | 17.50 | 134.46 | 28.43 | |
| | 11/05/93 | | 15.84 | 136.12 | 28.43 | |
| | 03/01/94 | | 17.35 | 134.61 | 28.11 | |
| MW-5 | 05/18/93 | 148.68 | 15.72 | 132.96 | — | |
| | 08/11/93 | | 16.42 | 132.26 | 25.43 | |
| | 11/05/93 | | 16.92 | 131.76 | 25.43 | |
| | 03/01/94 | | 15.54 | 133.14 | 25.00 | |
| MW-6 | 05/18/93 | 153.96 | 20.80 | 133.16 | — | |
| | 08/11/93 | | 21.64 | 132.32 | 31.15 | |
| | 11/05/93 | | 22.11 | 131.85 | 31.15 | |
| | 03/01/94 | | 20.80 | 133.16 | 29.96 | |
| MW-7 | 05/18/93 | 156.09 | 22.64 | 133.45 | — | |
| | 08/11/93 | | 23.25 | 132.84 | 30.75 | |
| | 11/05/93 | | 23.93 | 132.16 | 30.75 | |
| | 03/01/94 | | 22.72 | 133.37 | 30.11 | |
| MW-8 | 05/18/93 | 158.04 | 21.55 | 136.49 | — | |
| | 08/11/93 | | 22.43 | 135.61 | 34.82 | |
| | 11/05/93 | | 23.00 | 135.04 | 34.82 | |
| | 03/01/94 | | 22.05 | 135.99 | 34.04 | |

NOTES: 1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth = Measurement from top of casing to bottom of well.
— = Not measured.

TABLE 2
ANALYTICAL RESULTS: GROUNDWATER
BEACON STATION #574
22315 REDWOOD ROAD, CASTRO VALLEY, CALIFORNIA
(All results in parts-per-million)

| Monitoring Well | Date Collected | Total Petroleum Hydrocarbons | | | Aromatic Volatile Organics | | | |
|-----------------|----------------|------------------------------|--------|-----------|----------------------------|---------|--------------|---------------|
| | | Gasoline | Diesel | Motor Oil | Benzene | Toluene | Ethylbenzene | Total Xylenes |
| MW-1 | 03/27/92 | 1,600 | <50 | <50 | 760 | 900 | 230 | 1,100 |
| | 06/04/92 | 2,600 | <800 | NA | 270 | 57 | 230 | 440 |
| | 09/23/92 | 3,400 | NA | NA | 480 | 430 | 110 | 590 |
| | 11/12/92 | 2,700 | NA | NA | 5.8 | <5.0 | 140 | 340 |
| | 02/02/93 | 8,300 | NA | NA | 760 | 770 | 280 | 1,200 |
| | 05/07/93 | 7,700 | NA | NA | 970 | 630 | 280 | 1,500 |
| | 08/11/93 | 11,000 | NA | NA | 1,400 | 1,000 | 260 | 1,600 |
| | 11/05/93 | 36,800 | NA | NA | 6,200 | 4,700 | 1,400 | 7,100 |
| | 03/01/94 | 3,800 | NA | NA | 380 | 490 | 110 | 620 |
| MW-2 | 03/27/92 | 18,000 | <50 | <50 | 2,400 | 2,900 | 870 | 3,300 |
| | 06/04/92 | 14,000 | <5,000 | NA | 1,900 | 1,700 | 580 | 2,300 |
| | 09/23/92 | 22,000 | NA | NA | 2,100 | 1,500 | 760 | 2,900 |
| | 11/12/92 | 29,000 | NA | NA | 2,400 | 860 | 540 | 3,500 |
| | 02/02/93 | 24,000 | NA | NA | 2,700 | 1,900 | 590 | 2,600 |
| | 05/07/93 | 19,000 | NA | NA | 1,800 | 1,300 | 460 | 2,600 |
| | 08/11/93 | 23,000 | NA | NA | 2,300 | 1,500 | 530 | 2,900 |
| | 11/05/93 | 30,000 | NA | NA | 3,100 | 2,900 | 860 | 3,700 |
| | 03/01/94 | 15,000 | NA | NA | 1,500 | 480 | 380 | 1,800 |
| MW-3 | 03/27/92 | 160 | <50 | <50 | 9.2 | 4.8 | 10 | 23 |
| | 06/04/92 | 120 | <50 | NA | 7.5 | 2.7 | 0.5 | 15 |
| | 09/23/92 | 220 | NA | NA | 8.3 | 4.3 | 6.2 | 19 |
| | 11/12/92 | 230 | NA | NA | 12 | 5.5 | 7.7 | 19 |
| | 02/02/93 | 86 | NA | NA | 2.4 | 0.71 | 1.7 | 6.2 |
| | 05/07/93 | 140 | NA | NA | 2.6 | 1.2 | 3.9 | 8.4 |
| | 08/11/93 | 490 | NA | NA | 15 | 8.1 | 14 | 37 |
| | 11/05/93 | 820 | NA | NA | 45 | 24 | 34 | 93 |
| | 03/01/94 | 410 | NA | NA | 7.4 | 2.8 | 5.6 | 10 |
| MW-4 | 05/18/93 | <50 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| | 08/11/93 | <50 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| | 11/05/93 | <50 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| | 03/01/94 | <50 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 05/18/93 | <50 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| | 08/11/93 | <50 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| | 11/05/93 | <50 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| | 03/01/94 | <50 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 05/18/93 | 170 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| | 08/11/93 | 78 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| | 11/05/93 | 170 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| | 03/01/94 | 210 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-7 | 05/18/93 | <50 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| | 08/11/93 | <50 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| | 11/05/93 | <50 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| | 03/01/94 | <50 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-8 | 05/18/93 | <50 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| | 08/11/93 | <50 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| | 11/05/93 | <50 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |
| | 03/01/94 | <50 | NA | NA | <0.5 | <0.5 | <0.5 | <0.5 |

NOTES: < = Below indicated detection limit.
 NS = Not sampled.
 NA = Not analyzed.

ULTRAMAR FIELD PROCEDURES

The following section describes procedures used by Ultramar field personnel in the performance of ground water sampling.

Ground Water Level and Total Depth Determination

A water level indicator is lowered down the well and a measurement of the depth to water from an established reference point on the casing is taken. The indicator probe is used to sound the bottom of the well and a measurement of the total depth of the well is taken. Both the water level and total depth measurements are taken to the nearest 0.01-foot.

Visual Analysis of Ground Water

Prior to purging and sampling ground water monitoring wells, a water sample is collected from each well for subjective analysis. The visual analysis involves gently lowering a clean, disposable, polyethylene bailer to approximately one-half the bailer length past the water table interface. The bailer is then retrieved, and the sample contained within the bailer is examined for floating product or the appearance of a petroleum product sheen. If measurable free product is noted in the bailer, a water/product interface probe is used to determine the thickness of the free product to the nearest 0.01-foot. The thickness of free product is determined by subtracting the depth to product from the depth to water.

Monitoring Well Purging and Sampling

Monitoring wells are purged by removing approximately four casing volumes of water from the well using a clean disposable bailer or electrical submersible purge pump. Purge volumes are calculated prior to purging. During purging the temperature, pH, and electric conductivity are monitored. The well is sufficiently purged when: the four casing volumes have been removed; the temperature, pH, and conductivity have stabilized to within 10% of the initial readings; and the ground water being removed is relatively free of suspended solids. After purging, ground water levels are allowed to stabilize to within 80% of the initial water level reading. A water sample is then collected from each well with a clean, disposable polyethylene bailer. If the well is bailed dry prior to removing the minimum volume of water, the ground water is allowed to recharge. If the well has recharged to within 80% of the initial reading within two hours, the well will continue to be purged until the minimum volume of water has been removed. If the well has not recharged to at least 80% of the initial reading within two hours, the well is considered to contain formational water and a ground water sample is collected. Ground water removed from the well is stored in 55-gallon drums at the site and labeled pending disposal.

In wells where free product is detected, the wells will be bailed to remove the free product. An estimate of the volume of product and water will be recorded. If the free product thickness is reduced to the point where a measurable thickness is no longer present in the well, a ground water sample will be collected. If free product persists throughout bailing, a final free product thickness measurement will be taken and a ground water sample will not be collected.

Samples are stored in 40-milliliter vials so that air passage through the sample is minimized (to prevent volatilizing the sample). The vial is tilted and filled slowly until an upward convex meniscus forms over the mouth of the vial. The Teflon side of the septum (in cap) is then placed against the meniscus, and the cap is screwed on tightly. The sample is then inverted and the bottle is tapped lightly to check for air bubbles. If an air bubble is present in the vial, the cap is removed and more sample is transferred from the bailer. The vial is then resealed and rechecked for air bubbles. The sample is then appropriately labeled and stored on ice from the time of collection through the time of delivery to the laboratory. A Chain-of-Custody form is completed to ensure sample integrity. Ground water samples are transported to a state-certified laboratory and analyzed within the EPA-specified holding times for the requested analyses.

TABLE 2
WATER LEVEL DATA
(measurements in feet)

| Monitoring Well | Date | Reference Elevation (top of casing) | Depth to Ground Water | Ground Water Elevation |
|-----------------|----------|-------------------------------------|-----------------------|------------------------|
| MW-1 | 04-01-91 | 156.55 | 22.37 | 134.18 |
| | 03-27-92 | | 22.43 | 134.12 |
| | 06-04-92 | | 23.40 | 133.15 |
| | 09-23-92 | | 24.07 | 132.48 |
| | 11-12-92 | | 24.16 | 132.39 |
| | 02-02-93 | | 21.87 | 134.68 |
| | 05-18-93 | | 22.66 | 133.89 |
| MW-2 | 04-01-91 | 155.17 | 20.82 | 134.25 |
| | 03-27-92 | | 20.82 | 134.35 |
| | 06-04-92 | | 21.81 | 133.36 |
| | 09-23-92 | | 22.45 | 132.72 |
| | 11-12-92 | | 22.60 | 132.57 |
| | 02-02-93 | | 20.28 | 134.89 |
| | 05-18-93 | | 21.06 | 134.11 |
| MW-3 | 04-01-91 | 157.13 | 21.55 | 135.58 |
| | 03-27-92 | | 21.46 | 135.67 |
| | 06-04-92 | | 22.34 | 134.79 |
| | 09-23-92 | | 22.84 | 134.29 |
| | 11-12-92 | | 23.03 | 134.09 |
| | 02-02-93 | | 21.03 | 136.10 |
| | 05-18-93 | | 21.73 | 135.40 |
| MW-4 | 05-18-93 | 151.96 | 17.55 | 134.41 |
| MW-5 | 05-18-93 | 148.68 | 15.72 | 132.96 |
| MW-6 | 05-18-93 | 153.96 | 20.80 | 133.16 |
| MW-7 | 05-18-93 | 156.09 | 22.64 | 133.45 |
| MW-8 | 05-18-93 | 158.04 | 21.55 | 136.49 |

TABLE 3
GROUND WATER ANALYTICAL RESULTS
 (concentrations in parts per billion)

| Monitoring Well | Date Collected | Total Petroleum Hydrocarbons | | | Aromatic Volatile Organics | | | |
|-----------------|----------------|------------------------------|--------|-----------|----------------------------|---------|--------------|---------------|
| | | Gasoline | Diesel | Motor Oil | Benzene | Toluene | Ethylbenzene | Total Xylenes |
| MW-1 | 04-01-91 | 4,100 | <100 | - | 140 | 570 | 76 | 460 |
| | 03-27-92 | 5,600 | <50 | <50 | 760 | 900 | 230 | 1,100 |
| | 06-04-92 | 2,600 | <800 | - | 270 | 57 | 230 | 440 |
| | 09-23-92 | 3,400 | - | - | 480 | 430 | 110 | 550 |
| | 11-12-92 | 2,700 | - | - | 5.8 | <5.0 | 140 | 340 |
| | 02-02-93 | 8,500 | - | - | 760 | 770 | 250 | 1,200 |
| | 05-07-93 | 7,700 | - | - | 970 | 630 | 280 | 1,500 |
| MW-2 | 04-01-91 | 10,000 | <100 | - | 650 | 640 | 150 | 960 |
| | 03-27-92 | 18,000 | <50 | <50 | 2,400 | 2,300 | 870 | 3,300 |
| | 06-04-92 | 14,000 | <5,000 | - | 1,900 | 1,700 | 580 | 2,300 |
| | 09-23-92 | 22,000 | - | - | 2,100 | 1,500 | 760 | 2,900 |
| | 11-12-92 | 29,000 | - | - | 2,400 | 860 | 540 | 3,500 |
| | 02-02-93 | 24,000 | - | - | 2,700 | 1,900 | 590 | 2,600 |
| | 05-07-93 | 19,000 | - | - | 1,800 | 1,300 | 460 | 2,600 |
| MW-3 | 04-01-91 | 3,100 | <100 | - | 41 | 91 | 37 | 420 |
| | 03-27-92 | 160 | <50 | <50 | 9.2 | 4.8 | 10 | 23 |
| | 06-04-92 | 120 | <50 | - | 7.5 | 2.7 | 0.5 | 15 |
| | 09-23-92 | 220 | - | - | 8.3 | 4.3 | 6.2 | 19 |
| | 11-12-92 | 230 | - | - | 12 | 5.5 | 7.7 | 19 |
| | 02-02-93 | 86 | - | - | 2.4 | 0.71 | 2.7 | 6.2 |
| | 05-07-93 | 140 | - | - | 2.6 | 1.2 | 3.9 | 8.4 |
| MW-4 | 05-18-93 | <50 | - | - | <0.50 | <0.50 | <0.50 | <0.50 |
| MW-5 | 05-18-93 | <50 | - | - | <0.50 | <0.50 | <0.50 | <0.50 |
| MW-6 | 05-18-93 | 170 | - | - | <0.50 | <0.50 | <0.50 | <0.50 |
| MW-7 | 05-18-93 | <50 | - | - | <0.50 | <0.50 | <0.50 | <0.50 |
| MW-8 | 05-18-93 | <50 | - | - | <0.50 | <0.50 | <0.50 | <0.50 |

Note: Dash (-) indicates that the sample was not analyzed for this constituent.



March 8, 1994
Sample Log 8797

Sheila Richgels
Aegis Environmental Consultants, Inc.
1050 Melody Lane, Suite 160
Roseville, CA 95678

RECEIVED
MAR 09 1994

Subject: Analytical Results for 8 Water Samples
Identified as: Project # 94-574-01 (Former Beacon 574)
Received: 03/04/94

Dear Ms. Richgels:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on..... March 8, 1994 and describes procedures used to analyze the samples.

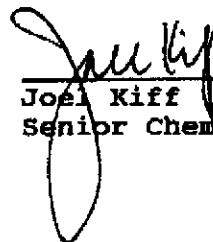
Sample(s) were received in 40-milliliter glass vials sealed with TFE lined septae and plastic screw-caps. Each sample was transported and received under documented chain of custody and stored at 4 degrees C until analysis was performed.

Sample(s) were analyzed using the following method(s):

"BTEX" (EPA Method 602/Purge-and-Trap)
"TPH as Gasoline" (Modified EPA Method 8015/Purge-and-Trap)

Please refer to the following table(s) for summarized analytical results and contact us at 916-753-9500 if you have questions regarding procedures or results. The chain-of-custody document is enclosed.

Approved by:



Joel Kiff
Senior Chemist



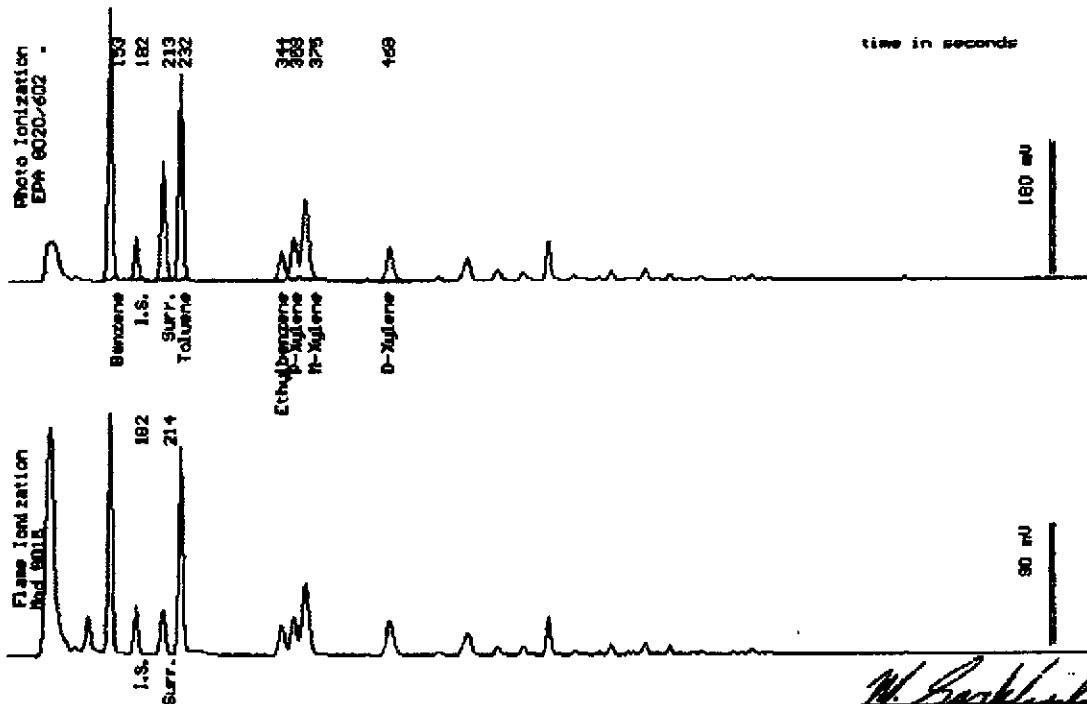
Sample Log 8797
8797-1

Sample: MW-1

From : Project # 94-574-01 (Former Beacon 574)
Sampled : 03/01/94
Dilution : 1:5
Matrix : Water

QC Batch : 4070B

| Parameter | (MRL) ug/L | Measured Value ug/L |
|--------------------|------------|---------------------|
| Benzene | (2.5) | 580 |
| Toluene | (2.5) | 490 |
| Ethylbenzene | (2.5) | 110 |
| Total Xylenes | (2.5) | 620 |
| TPH as Gasoline | (250) | 3800 |
| Surrogate Recovery | | 96 % |



Date Analyzed: 03-07-94
Column : 0.89mm ID X 30m DBMIX (J&M Scientific)

M. Sarkhosh
Mitra Sarkhosh
Senior Chemist



Sample Log 8797

8797-2

Sample: MW-2

From : Project # 94-574-01 (Former Beacon 574)

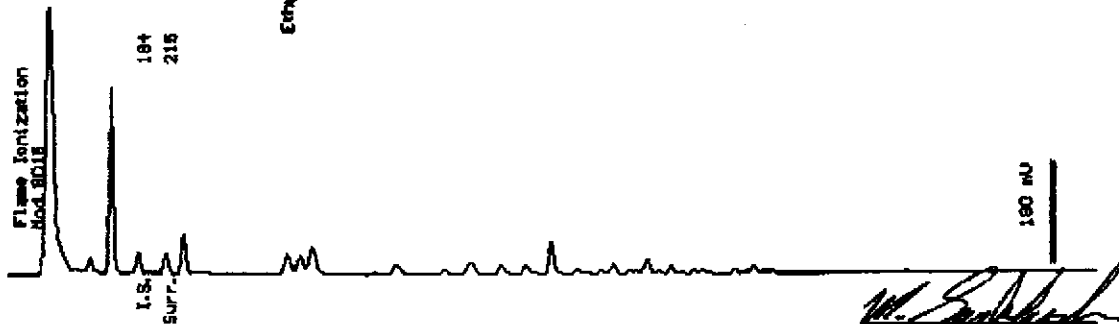
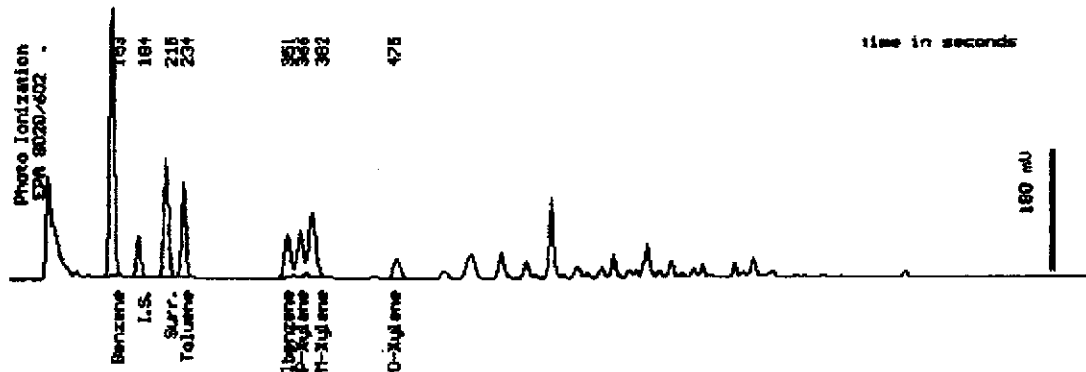
Sampled : 03/01/94

Dilution : 1:10

QC Batch : 4070B

Matrix : Water

| Parameter | (MRL) $\mu\text{g/L}$ | Measured Value $\mu\text{g/L}$ |
|--------------------|-----------------------|--------------------------------|
| Benzene | (5.0) | 1500 |
| Toluene | (5.0) | 490 |
| Ethylbenzene | (5.0) | 350 |
| Total Xylenes | (5.0) | 1000 |
| TPH as Gasoline | (500) | 13000 |
| Surrogate Recovery | | 101 % |



Date analyzed 03-07-94
Column : 0.53mm ID X 30m DBMEX (J&H Scientific)

Hira Sarkhosh
Hira Sarkhosh
Senior Chemist



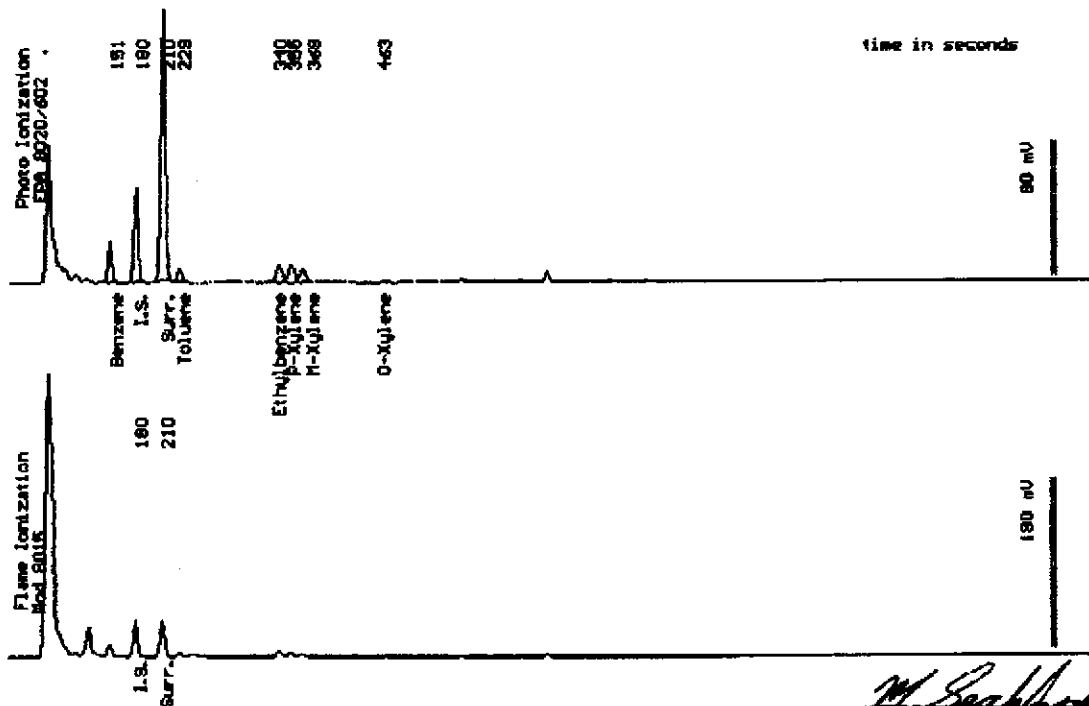
Sample Log 8797
8797-3

Sample: MW-3

From : Project # 94-574-01 (Former Beacon 574)
Sampled : 03/01/94
Dilution : 1:1
Matrix : Water

QC Batch : 4070B

| Parameter | (MRL) $\mu\text{g/L}$ | Measured Value $\mu\text{g/L}$ |
|--------------------|-----------------------|--------------------------------|
| Benzene | (.50) | 7.4 |
| Toluene | (.50) | 2.7 |
| Ethylbenzene | (.50) | 5.6 |
| Total Xylenes | (.50) | 10 |
| TPH as Gasoline | (50) | 410 |
| Surrogate Recovery | | 96 % |



Date Analyzed: 03-07-94
Column : 0.53mm ID X 30m DBMIX (J&H Scientific)

M. Sarkhosh
Nitra Sarkhosh
Senior Chemist



Sample Log 8797

8797-4

Sample: MW-4

From : Project # 94-574-01 (Former Beacon 574)

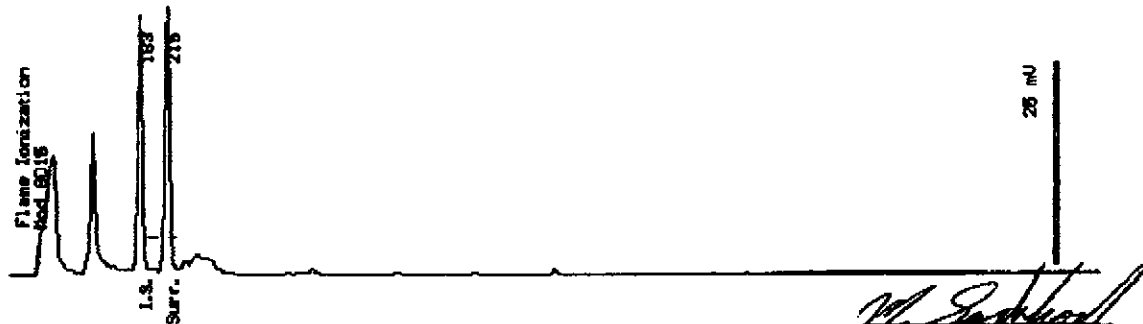
Sampled : 03/01/94

Dilution : 1:1

QC Batch : 4070B

Matrix : Water

| Parameter | (MRL) $\mu\text{g/L}$ | Measured Value $\mu\text{g/L}$ |
|--------------------|-----------------------|--------------------------------|
| Benzene | (.50) | <.50 |
| Toluene | (.50) | <.50 |
| Ethylbenzene | (.50) | <.50 |
| Total Xylenes | (.50) | <.50 |
| TPH as Gasoline | (50) | <50 |
| Surrogate Recovery | | 105 % |



Date Analyzed: 03-07-94
Column : 0.09mm ID X 30m DBMEX (J&H Scientific)

M. Sarkosh
Mitra Sarkosh
Senior Chemist



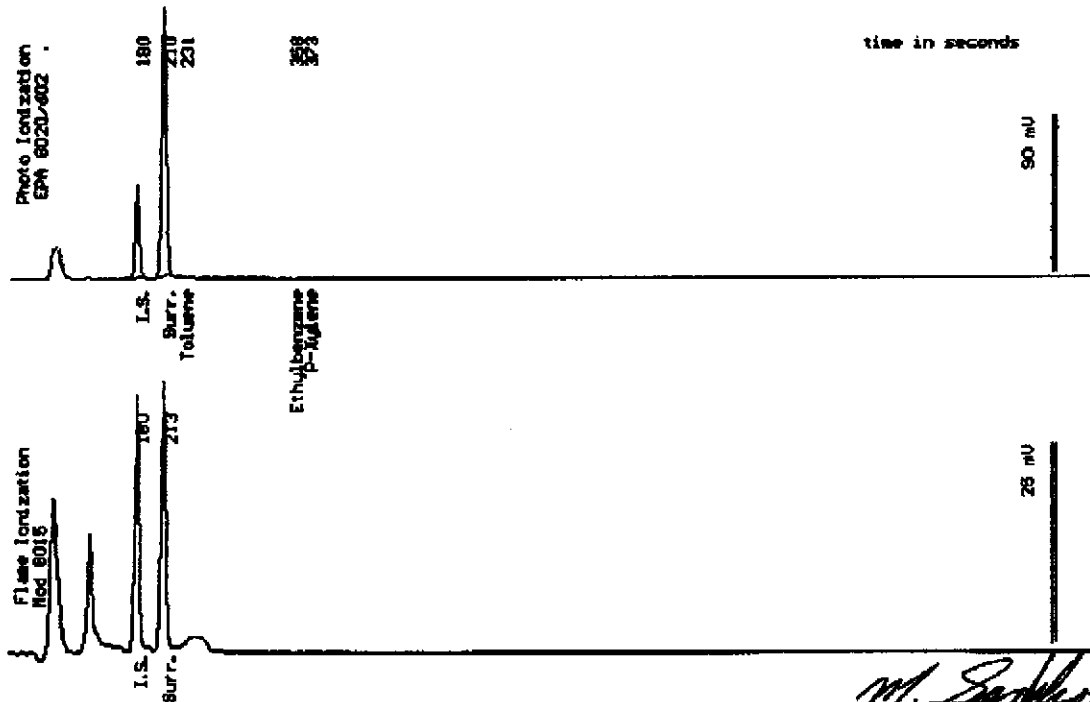
Sample Log 8797
8797-5

Sample: MW-5

From : Project # 94-574-01 (Former Beacon 574)
Sampled : 03/01/94
Dilution : 1:1
Matrix : Water

QC Batch : 4070B

| Parameter | (MRL) ug/L | Measured Value ug/L |
|--------------------|------------|---------------------|
| Benzene | (.50) | <.50 |
| Toluene | (.50) | <.50 |
| Ethylbenzene | (.50) | <.50 |
| Total Xylenes | (.50) | <.50 |
| TPH as Gasoline | (50) | <50 |
| Surrogate Recovery | | 106 % |



Date Analyzed: 03-07-94
Column : 0.53mm ID # 30M DBMEX (J&W Scientific)

M. Sarkosh
Mira Sarkosh
Senior Chemist



Sample Log 8797
8797-0

Sample: NW-6

From : Project # 94-574-01 (Former Beacon 574)
Sampled : 03/01/94
Dilution : 1:1
Matrix : Water

QC Batch : 4070B

| Parameter | (MRL) ug/L | Measured Value ug/L |
|--------------------|------------|---------------------|
| Benzene | (.50) | <.50 |
| Toluene | (.50) | <.50 |
| Ethylbenzene | (.50) | <.50 |
| Total Xylenes | (.50) | <.50 |
| TPH as Gasoline | (50) | 210 |
| Surrogate Recovery | | 96 % |



Date Analyzed: 03-07-94
Column: 0.53mm ID X 30m DBMIX (J&H Scientific)

M. Sarkosh
Mitra Sarkosh
Senior Chemist

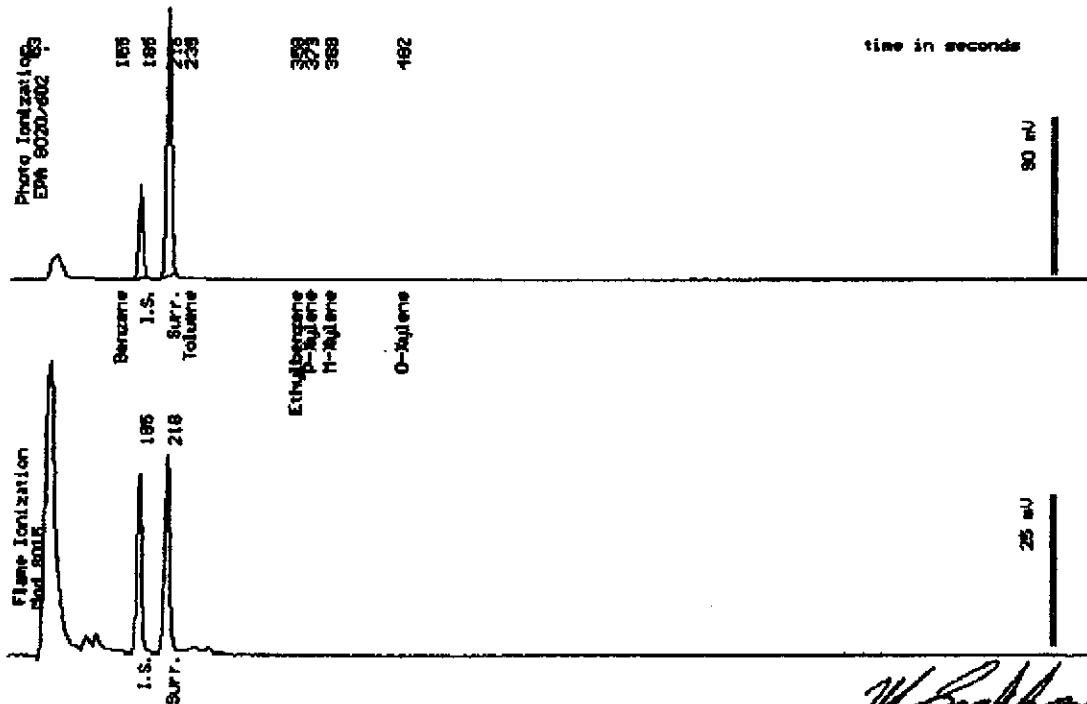


Sample Log 8797
8797-7

Sample: MW-7

From : Project # 94-574-01 (Former Beacon 574)
Sampled : 03/01/94
Dilution : 1:1
Matrix : Water
QC Batch : 4070B

| Parameter | (MRL) ug/L | Measured Value ug/L |
|--------------------|------------|---------------------|
| Benzene | (.50) | <.50 |
| Toluene | (.50) | <.50 |
| Ethylbenzene | (.50) | <.50 |
| Total Xylenes | (.50) | <.50 |
| TPH as Gasoline | (50) | 60 |
| Surrogate Recovery | | 104 % |



Date Analyzed: 03-07-94
Column : 0.53mm ID X 30m DBMIX (J&H Scientific)

Mitra Sarkhoosh
Mitra Sarkhoosh
Senior Chemist



Sample Log 8797

8797-8

Sample: MW-8

From : Project # 94-574-01 (Former Beacon 574)

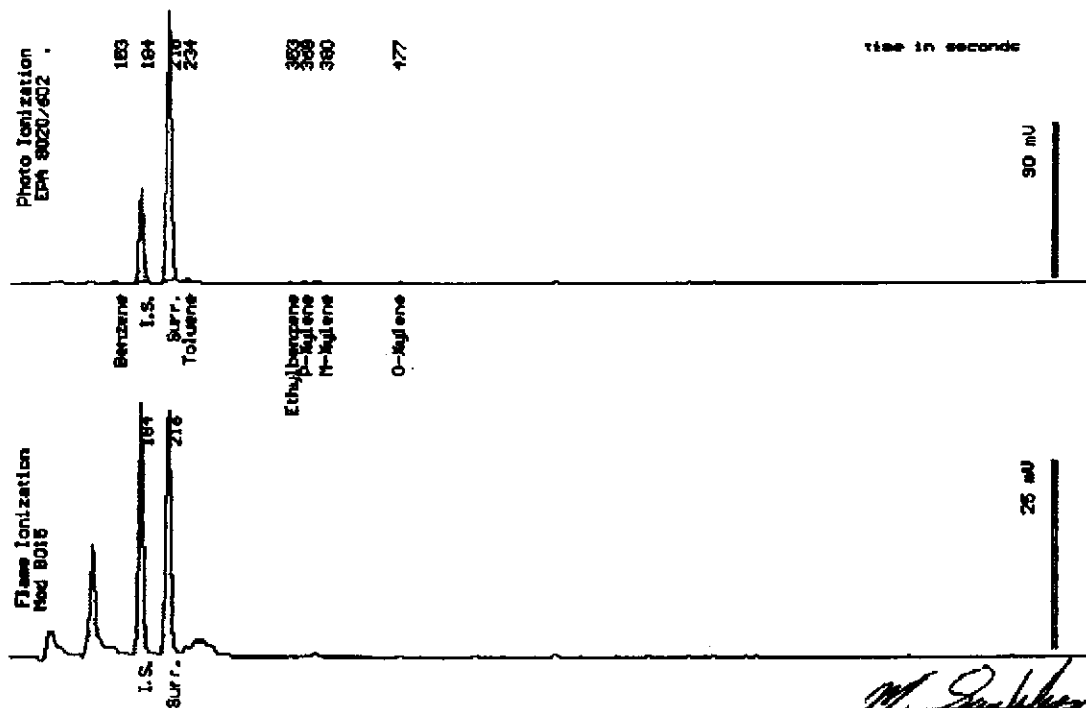
Sampled : 03/01/94

Dilution : 1:1

QC Batch : 4070B

Matrix : Water

| Parameter | (MRL) ug/L | Measured Value ug/L |
|--------------------|------------|---------------------|
| Benzene | (.50) | <.50 |
| Toluene | (.50) | <.50 |
| Ethylbenzene | (.50) | <.50 |
| Total Xylenes | (.50) | <.50 |
| TPH as Gasoline | (50) | <50 |
| Surrogate Recovery | | 103 % |



Date Analyzed: 03-07-94
Column : 0.83mm ID X 30m DBMIX (J&H Scientific)

M. Sarkhosh
Mitra Sarkhosh
Senior Chemist



Ultrammar Inc.
CHAIN OF CUSTODY REPORT

BEACON

| | | | | | | | | |
|--|---------------|---|--------------|---|--|-------------------------------|---------------------------------|---------------------------|
| Beacon Station No. <i>Former Beacon 574</i> | | Sampler (Print Name) <i>Hq1 Hansen</i> | | | ANALYSES | | Date <i>3-1-94</i> | Form No. <i>1 of 1</i> |
| Project No. <i>94-574-01</i> | | Sampler (Signature) <i>[Signature]</i> | | | BTEX TPH (gasoline) TPH (diesel) | No. of Containers <i>3</i> | REMARKS <i>5 day TAT</i> | |
| Project Location <i>22315 Redwood Rd, Contra Valley Ca.</i> | | Affiliation <i>Saulos Env.</i> | | | | | | |
| Sample No./Identification | Date | Time | Lab No. | | | | | |
| <i>MW-1</i> | <i>3-1-94</i> | <i>600</i> | | <i>XX</i> | | | | |
| <i>MW-2</i> | | <i>450</i> | | | | | | |
| <i>MW-3</i> | | <i>400</i> | | | | | | |
| <i>MW-4</i> | | <i>255</i> | | | | | | |
| <i>MW-5</i> | | <i>1150</i> | | | | | | |
| <i>MW-6</i> | | <i>1230</i> | | | | | | |
| <i>MW-7</i> | | <i>115</i> | | | | | | |
| <i>MW-8</i> | | <i>145</i> | | | | | | |
| Relinquished by: (Signature/Affiliation) <i>[Signature] Saulos Env.</i> | | Date | Time | Received by: (Signature/Affiliation) <i>[Signature]</i> | | Date | Time | |
| | | <i>3/1/94</i> | <i>10:10</i> | | | <i>3/1/94</i> | <i>10:55</i> | |
| Relinquished by: (Signature/Affiliation) <i>[Signature]</i> | | Date | Time | Received by: (Signature/Affiliation) <i>[Signature]</i> | | Date | Time | |
| | | <i>3/1/94</i> | <i>10:55</i> | | | <i>3/1/94</i> | <i>10:55</i> | |
| Relinquished by: (Signature/Affiliation) <i>[Signature]</i> | | Date | Time | Received by: (Signature/Affiliation) <i>[Signature]</i> | | Date | Time | |
| | | | | | | <i>3/1/94</i> | <i>10:55</i> | |
| Report To: <i>Fax Results to Sheila Richgels (916) 782-1277</i> | | | | Bill to: ULTRAMMAR INC. 525 West Third Street Hanford, CA 93230 Attention: <i>Kenneth Earnest</i> | | | | |

RECEIVED
[Signature]
date *3/1/94*

WHITE: Return to Client with Report

YELLOW: Laboratory Copy

PINK: Originator Copy

32-9008 1/90

DOULOS ENVIRONMENTAL COMPANY
GROUNDWATER/LIQUID LEVEL DATA
(measurements in feet)

RECEIVED
MAR 08 1994

Project Address: Lower Beacon 574
2315 Redwood Rd

Date: 3-1-94

Project No.: 94-574-01

Recorded by: Castro Valley Ca

| Well No | Time | Well Elev. TOC | Depth to Gr. Water | Measured Total Depth | Gr. Water Elevation | Depth to Product | Product Thickness | Comments | |
|---------|------|-------------------|-----------------------|-------------------------|------------------------|---------------------|----------------------|----------|---------------------|
| MW-1 | 500 | | 22.76 | 29.85 | | N/A | | | |
| MW-2 | 417 | | 21.19 | 29.68 | | | | | |
| MW-3 | 328 | | 21.97 | 29.55 | | | | | |
| MW-4 | 238 | | 17.85 | 28.11 | | | | | |
| MW-5 | 1124 | | 15.54 | 25.00 | | | | | |
| MW-6 | 1203 | 153.96 | 20.80 | 29.96 | 133.16 | | | | WL checked twice |
| MW-7 | 1250 | 156.09 | 22.72 | 30.11 | 133.77 | | | | ↓ |
| MW-8 | 126 | | 22.05 | 34.04 | | | ↓ | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Notes:

Client: 9 Ultraman
Summer

Sampling Date: 3-1-94

Site: Acacia 574

Project No.: 94-574-01

22315 Redwood Rd

Well Designation: MW-2

Castro Valley CA

Is setup of traffic control devices required? NO YES time: _____ hours
 Is there standing water in well box? NO YES Above TOC Below TOC
 Is top of casing cut level? NO YES If no, see remarks
 Is well cap sealed and locked? NO YES If no, see remarks
 Height of well casing riser (in inches): 1/2
 Well cover type: 8" UV _____ 12" UV _____ 12" EMCO _____ 8" BK _____
 12" BK _____ 12" DWP _____ 12" CNI _____ 36" CNI _____ Other _____
 General condition of wellhead assembly: Excellent Good Fair Poor

Purging Equipment: _____ 2" disposable bailer _____ Submersible pump
 _____ 2" PVC bailer _____ Dedicated bailer
 _____ 4" PVC bailer Centrifugal pump

Sampled with: Disposal bailer: Teflon bailer: _____

Well Diameter: 2" _____ 4" 6" _____ 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.
Initial Measurement Recharge Measurement
 Time: 4:17 Time: 4:45 Calculated purge: 22 gal
 Depth of well: 27.6' Depth to water: 27.8' Actual purge: 21 gal
 Depth to water: 21.1'

Start purge: 4:45 Sampling time: 4:50

| Time | Temp. | E.C. | pH | Turbidity | Volume |
|------|-------|------|------|-----------|--------|
| 4:30 | 72.3 | 1240 | 7.01 | — | 1 |
| 4:35 | 72.1 | 1900 | 7.00 | — | 2 |
| 4:40 | 72.4 | 1910 | 6.75 | — | 3 |
| 4:45 | 72.1 | 1920 | 6.72 | — | 4 |
| | | | | | |

Sample appearance: clear Lock: dolphin

Equipment replaced: (Check all that apply) Note condition of replaced item
 2" Locking Cap: _____ Lock #3753: _____ 7/32 Allenhead: _____
 4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____
 6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: Neil Hansen

Client: Altman
 Site: Down
Remer 574
22315 Redwood Rd
Castro Valley Ca

Sampling Date: 2-1-94
 Project No.: 94-574-01
 Well Designation: MW-3

Is setup of traffic control devices required? NO YES time: _____ hours
 Is there standing water in well box? NO YES Above TOC Below TOC
 Is top of casing cut level? NO YES If no, see remarks
 Is well cap sealed and locked? NO YES If no, see remarks
 Height of well casing riser (in inches): 44
 Well cover type: 8" UV _____ 12" UV 12" EMCO _____ 8" BK _____
 12" BK _____ 12" DWP _____ 12" CNI _____ 36" CNI _____ Other _____
 General condition of wellhead assembly: Excellent Good Fair Poor

Purging Equipment: _____ 2" disposable bailer _____ Submersible pump
 _____ 2" PVC bailer _____ Dedicated bailer
 _____ 4" PVC bailer Centrifugal pump

Sampled with: Disposal bailer: Teflon bailer: _____

Well Diameter: 2" _____ 4" 6" _____ 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.
Initial Measurement Recharge Measurement
 Time: 329 Time: 357 Calculated purge: 19.7
 Depth of well: 29.85 Depth to water: 22.94 Actual purge: 10
 Depth to water: 21.97

Start purge: 338 Sampling time: 400

| Time | Temp. | E.C. | pH | Turbidity | Volume |
|------|-------|------|------|-----------|--------|
| | 69.1 | 1799 | 7.43 | — | 1 |
| | | | 7.30 | — | 2 |
| | 72.1 | 1880 | 7.19 | — | 3 |
| | 71.9 | 1850 | 7.22 | — | 4 |
| | | | | | |

Sample appearance: clear Lock: dolphin

Equipment replaced: (Check all that apply) Note condition of replaced item
 2" Locking Cap: _____ Lock #3753: _____ 7/32 Allenhead: _____
 4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: 1
 6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: Hal Hansen

Client: Ultraman
 Site: Former
Beaver 5711
22315 Redwood Rd
Cashota Valley, CA

Sampling Date: 3-1-94
 Project No.: 94-574-01
 Well Designation: MW-4

Is setup of traffic control devices required? NO YES time: _____ hours
 Is there standing water in well box? NO YES Above TOC Below TOC
 Is top of casing cut level? NO YES If no, see remarks
 Is well cap sealed and locked? NO YES If no, see remarks
 Height of well casing riser (in inches): 6
 Well cover type: 8" UV 12" UV _____ 12" EMCO _____ 8" BK _____
 12" BK _____ 12" DWP _____ 12" CNI _____ 36" CNI _____ Other _____
 General condition of wellhead assembly: Excellent Good Fair Poor

Purging Equipment: _____ 2" disposable bailer _____ Submersible pump
 _____ 2" PVC bailer _____ Dedicated bailer
 _____ 4" PVC bailer Centrifugal pump

Sampled with: Disposal bailer: Teflon bailer: _____

Well Diameter: 2" 4" _____ 6" _____ 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.
Initial Measurement Recharge Measurement
 Time: 238 Time: 252 Calculated purge: 6.9
 Depth of well: 28.11 Depth to water: 16.04 Actual purge: 7 gal
 Depth to water: 17.35

Start purge: 245 Sampling time: 255

| Time | Temp. | E.C. | pH | Turbidity | Volume |
|------|-------|------|------|-----------|--------|
| 247 | | | | — | 1 |
| 248 | 70.2 | 1317 | 7.97 | — | 2 |
| 249 | | | | — | 3 |
| 250 | 70.9 | 1318 | 7.86 | — | 4 |
| | | | | | |

Sample appearance: clear Lock: none

Equipment replaced: (Check all that apply) Note condition of replaced item
 2" Locking Cap: _____ Lock #3753: _____ 7/32 Allenhead: _____
 4" Locking Cap: _____ Lock-Dolphin: 9/16 Bolt: _____
 6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: no loss

Signature: Robert Johnson

Client: Galbraith

Sampling Date: 3-1-94

Site: ^{of owner} Beacon 574

Project No.: 94-574-01

22315 Redwood Road
Castro Valley Ca

Well Designation: MW-5

Is setup of traffic control devices required? NO YES time: _____ hours
 Is there standing water in well box? NO YES Above TOC Below TOC
 Is top of casing cut level? NO YES If no, see remarks
 Is well cap sealed and locked? NO YES If no, see remarks
 Height of well casing riser (in inches): 4
 Well cover type: 8" UV 12" UV _____ 12" EMCO _____ 8" BK _____
 12" BK _____ 12" DWP _____ 12" CNI _____ 36" CNI _____ Other _____
 General condition of wellhead assembly: Excellent Good Fair Poor

Purging Equipment: _____ 2" disposable bailer _____ Submersible pump
 _____ 2" PVC bailer _____ Dedicated bailer
 _____ 4" PVC bailer Centrifugal pump

Sampled with: Disposal bailer: Teflon bailer: _____

Well Diameter: 2" 4" _____ 6" _____ 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement

Recharge Measurement

Time: 1124

Time: 1148

Calculated purge: 6.1 gal

Depth of well: 25.00

Depth to water: 16.78

Actual purge: 6.1 gal

Depth to water: 15.54

Start purge: 1134

Sampling time: 1150

| Time | Temp. | E.C. | pH | Turbidity | Volume |
|------|-------|------|------|-----------|--------|
| 1135 | 62.2 | 1888 | 11.4 | — | 1 |
| 1135 | 61.4 | 1144 | 9.05 | — | 2 |
| 1137 | 63.2 | 1135 | 8.65 | — | 3 |
| 1139 | 63.4 | 1135 | 8.60 | — | 4 |

Sample appearance: clear

Lock: dolphin

Equipment replaced: (Check all that apply) Note condition of replaced item
 2" Locking Cap: _____ Lock #3753: _____ 7/32 Allenhead: _____
 4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____
 6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: Hal Hansen

Client: 9 Ultramer

Sampling Date: 3-1-94

Site: Ionon
Season 574

Project No.: 94-574-01

22315 Redwood Rd

Well Designation: MW-6

Castro Valley Ca

Is setup of traffic control devices required? NO YES time: _____ hours
 Is there standing water in well box? NO YES Above TOC Below TOC
 Is top of casing cut level? NO YES If no, see remarks
 Is well cap sealed and locked? NO YES If no, see remarks
 Height of well casing riser (in inches): 12
 Well cover type: 8" UV 12" UV _____ 12" EMCO _____ 8" BK _____
 12" BK _____ 12" DWP _____ 12" CNI _____ 36" CNI _____ Other _____
 General condition of wellhead assembly: Excellent Good Fair Poor

Purging Equipment: _____ 2" disposable bailer _____ Submersible pump
 _____ 2" PVC bailer _____ Dedicated bailer
 _____ 4" PVC bailer Centrifugal pump

Sampled with: Disposal bailer: Teflon bailer: _____

Well Diameter: 2" 4" _____ 6" _____ 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement Recharge Measurement
 Time: 1203 Time: 1228 Calculated purge: 6 gal
 Depth of well: 20.96 Depth to water: 21.03 Actual purge: 6 gal
 Depth to water: 20.80

Start purge: 1210 Sampling time: 1230

| Time | Temp. | E.C. | pH | Turbidity | Volume |
|-------------|-------------|-------------|-------------|-----------|----------|
| <u>1220</u> | <u>64.2</u> | <u>1217</u> | <u>8.42</u> | <u>—</u> | <u>1</u> |
| <u>1221</u> | <u>67.9</u> | <u>1118</u> | <u>8.00</u> | <u>—</u> | <u>2</u> |
| <u>1224</u> | <u>67.9</u> | <u>1062</u> | <u>7.95</u> | <u>—</u> | <u>3</u> |
| <u>1226</u> | <u>68.2</u> | <u>1054</u> | <u>7.90</u> | <u>—</u> | <u>4</u> |
| | | | | | |

Sample appearance: clear Lock: dolphin

Equipment replaced: (Check all that apply) Note condition of replaced item
 2" Locking Cap: _____ Lock #3753: _____ 7/32 Allenhead: _____
 4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: 1
 6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: Neil Hansen

Client: Altman

Sampling Date: 3-1-94

Site: Beacon 574

Project No.: 94-574-01

22315 Redwood Rd

Well Designation: MW-7

Castro Valley, Ca

Is setup of traffic control devices required? NO YES time: _____ hours
 Is there standing water in well box? NO YES Above TOC Below TOC
 Is top of casing cut level? NO YES If no, see remarks
 Is well cap sealed and locked? NO YES If no, see remarks
 Height of well casing riser (in inches): _____
 Well cover type: 8" UV 12" UV _____ 12" EMCO _____ 8" BK _____
 12" BK _____ 12" DWP _____ 12" CNI _____ 36" CNI _____ Other _____
 General condition of wellhead assembly: Excellent Good Fair Poor

Purging Equipment: _____ 2" disposable bailer _____ Submersible pump
 _____ 2" PVC bailer _____ Dedicated bailer
 _____ 4" PVC bailer Centrifugal pump

Sampled with: Disposal bailer: Teflon bailer: _____

Well Diameter: 2" 4" _____ 6" _____ 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.
Initial Measurement Recharge Measurement
 Time: 1250 Time: 1113 Calculated purge: 47
 Depth of well: 30.11 Depth to water: 22.93 Actual purge: 5.0
 Depth to water: 22.72

Start purge: 1259 Sampling time: 115

| Time | Temp. | E.C. | pH | Turbidity | Volume |
|------|-------|------|------|-----------|--------|
| 109 | 69.4 | 1483 | 7.39 | — | 1 |
| 110 | 70.2 | 1434 | 7.47 | — | 2 |
| 110 | 70.3 | 1459 | 7.32 | — | 3 |
| 111 | 70.3 | 1454 | 7.37 | — | 4 |
| | | | | | |

Sample appearance: clear Lock: 2753

Equipment replaced: (Check all that apply) Note condition of replaced item
 2" Locking Cap: _____ Lock #3753: _____ 7/32 Allenhead: _____
 4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____
 6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: W. Blom

Client: Ultram

Sampling Date: 3-1-94

Site: Beacon 574

Project No.: 94-574-01

22315 Redwood Rd

Well Designation: MW-8

Castro Valley Ca

Is setup of traffic control devices required? NO YES time: _____ hours
 Is there standing water in well box? NO YES Above FOC Below FOC
 Is top of casing cut level? NO YES If no, see remarks
 Is well cap sealed and locked? NO YES If no, see remarks
 Height of well casing riser (in inches): _____
 Well cover type: 8" UV 12" UV _____ 12" EMCO _____ 8" BK _____
 12" BK _____ 12" DWP _____ 12" CNI _____ 36" CNI _____ Other _____
 General condition of wellhead assembly: Excellent Good Fair Poor

Purging Equipment: _____ 2" disposable bailer _____ Submersible pump
 _____ 2" PVC bailer _____ Dedicated bailer
 _____ 4" PVC bailer Centrifugal pump

Sampled with: Disposal bailer: Teflon bailer: _____

Well Diameter: 2" 4" _____ 6" _____ 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.
Initial Measurement Recharge Measurement
 Time: 126 Time: 143 Calculated purge: 7.7
 Depth of well: 34.04 Depth to water: 22.19 Actual purge: 7.7
 Depth to water: 22.05

Start purge: 135 Sampling time: 145

| Time | Temp. | E.C. | pH | Turbidity | Volume |
|------|-------|------|------|-----------|--------|
| 136 | 72.1 | 1412 | 7.95 | — | 1 |
| 137 | 70.5 | 1706 | 7.30 | — | 2 |
| 138 | 70.3 | 1710 | 7.29 | — | 3 |
| 140 | 70.4 | 1730 | 7.28 | — | 4 |
| | | | | | |

Sample appearance: clear Lock: dolphin

Equipment replaced: (Check all that apply) Note condition of replaced item
 2" Locking Cap: _____ Lock #3753: _____ 7/32 Allenhead: _____
 4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____
 6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: deal sitting on casing unlocked

Signature: Neil Hanson



Ultramar Inc.
CHAIN OF CUSTODY REPORT

BEACON

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------|---|----------------------|--|---|--|-----------------------|-----------------------|---------------------------|-------------------------------|--|--|--|--|-------------------------------|---|---|--|--|--|--|--|--|--|--|--|--|--|--|-----------------------------|--|--|
| Beacon Station No. <i>From in Beacon 574</i> | | Sampler (Print Name) <i>Hq1 Hansen</i> | | | ANALYSES | | | Date <i>3-4-94</i> | Form No. <i>1 of 1</i> | | | | | | | | | | | | | | | | | | | | | | | |
| Project No. <i>94-574-01</i> | | Sampler (Signature) <i>[Signature]</i> | | | <table border="1"> <tr><td>BTEX</td><td>TPH (gasoline)</td><td>TPH (diesel)</td><td></td><td></td><td></td><td></td><td rowspan="3">No. of Containers <i>3</i></td></tr> <tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table> | | | BTEX | TPH (gasoline) | TPH (diesel) | | | | | No. of Containers <i>3</i> | X | X | | | | | | | | | | | | | REMARKS <i>5 day TAT</i> | | |
| BTEX | TPH (gasoline) | TPH (diesel) | | | | | | | | No. of Containers <i>3</i> | | | | | | | | | | | | | | | | | | | | | | |
| X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location <i>22315 Redwood Rd, Castro Valley Ca.</i> | | Affiliation <i>Amulox Env.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample No./Identification | Date | Time | Lab No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>MW-1</i> | <i>3-1-94</i> | <i>600</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>MW-2</i> | | <i>450</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>MW-3</i> | | <i>400</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>MW-4</i> | | <i>255</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>MW-5</i> | | <i>1150</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>MW-6</i> | | <i>1230</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>MW-7</i> | | <i>115</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>MW-8</i> | | <i>145</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature/Affiliation) <i>[Signature] Amulox Env.</i> | | Date <i>3/1/94</i> | Time <i>11:11</i> | Received by: (Signature/Affiliation) <i>[Signature]</i> | | | Date <i>3/1/94</i> | Time <i>11:11</i> | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature/Affiliation) | | Date | Time | Received by: (Signature/Affiliation) | | | Date | Time | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature/Affiliation) | | Date | Time | Received by: (Signature/Affiliation) | | | Date | Time | | | | | | | | | | | | | | | | | | | | | | | | |
| Report To: <i>Fax Results to Sheila Richgels (916) 782-1277</i> | | | | Bill to: ULTRAMAR INC. 525 West Third Street Hanford, CA 93230 Attention: <i>Kenneth Earnest</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |