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November 29, 1994

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RYDER

Mr. Barney Chan
Alameda County Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

SUBJECT: **TRANSMITTAL OF GROUNDWATER
MONITORING REPORT**
RYDER TRUCK RENTAL FACILITY LC-0227
8001 Oakport Road
Oakland, California

Dear Mr. Chan:

Enclosed please find a copy of the latest Quarterly Monitoring report prepared by Hydro-Environmental Technologies, Inc. (HETI) on the subject property.

Please note that I have moved my offices. Please update your records to reflect my new address as shown above. If you have any questions regarding this site or any other Ryder site in your jurisdiction, please contact me in Kingwood.

Respectfully submitted,

RYDER TRUCK RENTAL, INC.


Ivan J. Gonzalez, P.E.

Senior Environmental Project Engineer

Enclosure

cc: A Brummer - Miami (2)
T Howard - San Francisco
File - Miami
Vijay Patel - RWQCB, San Francisco Bay Region, 2101 Webster Street, Suite 500, Oakland,
CA 94612

lc0227.gw6

QUARTERLY MONITORING REPORT

**Ryder Truck Rental, Inc. Facility No. LC-0227
8001 Oakport Street
Oakland, California**

Sampling Date: October 4, 1994

Prepared for:

**RYDER TRUCK RENTAL, INC.
P.O. Box 6297
Kingwood, TX 77325-6297**

Prepared by:

**HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.
2363 Mariner Square Drive, Suite 243
Alameda, California 94501
HETI Job No. 7-201.1**

November 15, 1994

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Monitoring Well Purge/Sample Sheet

Appendix B: Laboratory Report and Chain-of-Custody Record

1.0 INTRODUCTION

The purpose of this report is to present the results of Hydro-Environmental Technologies, Inc.'s (HETI's) quarterly ground water sampling at Ryder Truck Rental, Inc. (Ryder) Facility No. LC-0227 at 8001 Oakport Street in Oakland, California (Figure 1). Ground water sampling was performed on October 4, 1994.

Work performed at the site by HETI included: (1) well gauging, (2) well purging, (3) collection of ground water samples from all nine monitoring wells on-site, and (4) analysis of water samples for total petroleum hydrocarbons as diesel (TPHd) and total petroleum hydrocarbons as gasoline (TPHg) using EPA Method 8015 (modified), and for benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8020 (modified).

2.0 BACKGROUND

The site is situated in an area of light industrial, commercial and warehouse use (Figure 2). The site is currently used by Ryder as a truck maintenance and rental facility. Unleaded gasoline, diesel fuel and bulk motor oil are currently stored and dispensed at the site. Used oil is stored in an above ground storage tank. Maintenance building and underground storage tank locations are shown on the Site Plan (Figure 3).

In April and May 1991, Roy F. Weston, Inc. (Weston) installed five soil borings, designated SB-1 through SB-5, at the site and collected soil and grab ground water samples for laboratory analysis. Soil and ground water sample analytical results indicated that petroleum hydrocarbons were present in soil and ground water in the vicinity of the underground storage tanks. Results of this phase of investigation were presented in Weston's report dated May 31, 1991.

The previous underground used oil tank failed a tightness test in 1991. Ryder retained HETI to assess the extent of the petroleum hydrocarbons detected during the Weston investigation and to supervise the removal of the underground used oil storage tank. HETI installed three 4-inch diameter and three 2-inch diameter monitoring wells, designated MW-1 through MW-6, and one soil boring, designated B-1, between March and April 1992. Results of the used oil tank removal and the initial phase of well installation and soil and ground water sampling were presented in HETI's *Used Oil Tank Removal and Subsurface Investigation Report* dated July 14, 1992.

The July 1992 report noted that the ground water flow direction and gradient beneath the site were highly variable. An east-west trending ground water trough

(elongated depression) was calculated to be present in the vicinity of well MW-3, causing local ground water flow directions to range widely from northeasterly, to westerly, to southerly. Following review of the well logs and historical aerial photographs, HETI concluded that ground water flow patterns are preferential, and may be dependent on hydrogeologic characteristics of the tidal flat deposits beneath the site. In the 1950's, the tidal flat was developed by diking and draining, and elevated above sea level by filling with local quarry rock. This gravely rock fill lies partially below the water table and may not be present consistently beneath the site. It may also create preferential flow paths for ground water movement.

In September 1992, HETI supervised the installation of three additional two-inch diameter monitoring wells designated MW-7, MW-8 and MW-9. Details of this phase of work can be found in HETI's *Phase II Subsurface Investigation Report* dated November 11, 1992.

The wells at the site were most recently sampled on February 16, 1994. Results were presented in HETI's *Quarterly Monitoring Report* dated March 20, 1994.

Pursuant to the recommendations presented in HETI's *Quarterly Monitoring Report* dated January 20, 1994, the Alameda County Department of Environmental Health (ACDEH) authorized a revised sampling program which is now being implemented.

3.0 FIELD ACTIVITIES

HETI personnel collected ground water samples from all monitoring wells at the site on October 4, 1994. All sampling was performed according to HETI standard protocol which has previously been submitted to the ACDEH.

Prior to purging, the depth to water in each of the wells was gauged to the nearest hundredth of a foot using an electronic water sounder. The wells were vented 24 hours before gauging to allow water levels to stabilize. Prior to sampling, the wells were purged of three well casing volumes or purged dry while the parameters of temperature, conductivity and pH were monitored for stabilization. Purging data is included in Appendix A. No separate-phase petroleum was detected in any of the wells.

Following recovery of the water level in the wells, ground water samples were collected with dedicated bailers. The samples were transferred to sample containers provided by the analytical laboratory. Sample containers were documented, labeled and placed in a cooler. A chain of custody was prepared and accompanied the samples to the laboratory; a copy is included in Appendix B. Ground water sample

analysis was performed by SPL Laboratories, Inc., a California DHS-certified laboratory located in Houston, Texas.

The ground water samples and gauging data for wells MW-1 and MW-3 were inadvertently switched in the field. These well designations have been appropriately revised throughout this report. The well designations remain reversed in Appendix B only. No analytical data is available for well MW-9 as the ground water samples collected from that well broke during shipment to the analytical laboratory.

4.0 RESULTS

4.1 Ground Water Data

The depth to ground water in the wells ranged from 3.02 to 7.54 feet below grade when the wells were gauged. Gauging data is included in Table 1. The depth to water measurements were combined with wellhead elevation data previously collected by HETI to calculate ground water elevations. These elevations are shown on Figure 4, the Ground Water Contour Map. As requested by the ACDEH, Ground Water Contour Maps (Figures 5 and 6) were also prepared using data collected in September and October, 1993.

The ground water flow direction during this ground water sampling round was calculated to be to the south in the southern portion of the site. As in past gauging events, the ground water elevation in monitoring well MW-3 was lower than ground water elevations in surrounding monitoring wells, creating a depression in the water table near MW-3.

4.2 Laboratory Analytical Results

High boiling point petroleum hydrocarbons were detected in all the analyzed ground water samples. TPHd was detected in concentrations ranging from 0.25 parts per million (ppm) in the sample collected from MW-8 to 4.3 ppm in the sample collected from MW-2. No other analytes were present in concentrations exceeding method detection limits.

Results are presented graphically on Figure 7, the Hydrocarbon Concentration Map. Cumulative analytical results are summarized in Table 1. A copy of the laboratory report is attached as Appendix B.

5.0 CERTIFICATION

This report was prepared under the supervision of a registered professional engineer. All statements, conclusions and recommendations are based solely upon field observations and analytical analyses performed by a state-certified laboratory related to work performed by Hydro-Environmental Technologies, Inc.

It is possible that variations in soil or ground water conditions exist beyond the points explored in this investigation. Also, site conditions are subject to change at some time in the future due to variations in rainfall, temperature, regional water usage, or other factors.

The service performed by Hydro-Environmental Technologies, Inc. has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area of the site. No other warranty, expressed or implied, is made.

Hydro-Environmental Technologies, Inc. includes in this report chemical analytical data from a state-certified laboratory. These analyses are performed according to procedures suggested by the U.S. EPA and the State of California. Hydro-Environmental Technologies, Inc. is not responsible for laboratory errors in procedure or result reporting.


HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

Prepared by:



Ruary Allan
Staff Geologist

Reviewed by:



Scott Kellstedt
Operations Manager



John Turney P.E.
Senior Engineer

TABLES

Table 1

GROUND WATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
Ryder Truck Rental LC-0227
8001 Oakport Street
Oakland, California

| Well-No. | Date | TOC (feet) | DTW (feet) | GW Elev (feet) | TPHd (ppm) | TPHg (ppm) | B (ppb) | T (ppb) | E (ppb) | X (ppb) |
|----------|-------------|---------------|---------------|-------------------|---------------|---------------|-------------|-------------|-------------|---------------|
| MCL/AL | — | — | — | — | NR | NR | 1.0 ppb (1) | 100 ppb (2) | 680 ppb (1) | 1,750 ppb (1) |
| MW-1 | 3/20/92 | 29.57 | 3.70 | 25.87 | 0.25 | 0.055 | 6.9 | 0.7 | 2.9 | 6 |
| | 12/8/92 | 29.57 | 4.55 | 25.02 | NS | NS | NS | NS | NS | NS |
| | 1/27/93 | 29.57 | 1.91 | 27.66 | 0.12 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 2/24/93 | 29.57 | 1.85 | 27.72 | NS | NS | NS | NS | NS | NS |
| | 3/26/93 | 29.57 | 2.22 | 27.35 | NS | NS | NS | NS | NS | NS |
| | 4/14/93 | 29.57 | 2.77 | 26.80 | 0.11 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 5/13/93 | 29.57 | 3.01 | 26.56 | NS | NS | NS | NS | NS | NS |
| | 8/20/93 | 29.57 | 3.07 | 26.50 | 0.84 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 9/17/93 | 29.57 | 3.21 | 26.36 | NS | NS | NS | NS | NS | NS |
| | 10/15/93 | 29.57 | 3.30 | 26.27 | NS | NS | NS | NS | NS | NS |
| | 11/16/93 | 29.57 | 3.51 | 26.06 | 0.78 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 2/16/94 | 29.57 | 2.62 | 26.95 | NS | NS | NS | NS | NS | NS |
| | 10/4/94 (3) | 29.57 | 3.26 | 26.31 | 3.4 | ND<0.1 (5) | ND<1.0 (5) | ND<1.0 (5) | ND<1.0 (5) | ND<1.0 (5) |
| MW-2 | 3/20/92 | 30.21 | 4.08 | 26.13 | 2 | ND<0.05 | ND<0.5 | 0.7 | ND<0.5 | 2.5 |
| | 12/8/92 | 30.21 | 3.39 | 26.82 | NS | NS | NS | NS | NS | NS |
| | 1/27/93 | 30.21 | 3.96 | 26.25 | 0.72 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 2/24/93 | 30.21 | 3.90 | 26.31 | NS | NS | NS | NS | NS | NS |
| | 3/26/93 | 30.21 | 3.85 | 26.36 | NS | NS | NS | NS | NS | NS |
| | 4/14/93 | 30.21 | 4.01 | 26.20 | 0.89 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 5/13/93 | 30.21 | NM | NM | NS | NS | NS | NS | NS | NS |
| | 8/20/93 | 30.21 | 4.20 | 26.01 | 1.5 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 9/17/93 | 30.21 | 4.28 | 25.93 | NS | NS | NS | NS | NS | NS |
| | 10/15/93 | 30.21 | 4.14 | 26.07 | NS | NS | NS | NS | NS | NS |
| | 11/16/93 | 30.21 | 4.26 | 25.95 | 1.6 | 0.05 | ND<0.5 | ND<0.5 | ND<0.5 | 0.7 |
| | 2/16/94 | 30.21 | 4.04 | 26.17 | 1.2 | ND<0.05 | ND<0.3 | ND<0.3 | ND<0.3 | ND<0.6 |
| | 10/4/94 | 30.21 | 4.25 | 25.96 | 4.3 | ND<0.1 (5) | ND<1.0 (5) | ND<1.0 (5) | ND<1.0 (5) | ND<1.0 (5) |

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Ryder Truck Rental LC-0227
8001 Oakport Street
Oakland, California

| Well-No. | Date | TOC (feet) | DTW (feet) | GW Elev (feet) | TPHd (ppm) | TPHg (ppm) | B (ppb) | T (ppb) | E (ppb) | X (ppb) |
|----------|-------------|---------------|---------------|-------------------|---------------|---------------|------------|------------|------------|------------|
| MW-3 | 3/20/92 | 30.00 | 6.18 | 23.82 | 1.2 | 0.097 | 20 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 12/8/92 | 30.00 | 7.05 | 22.95 | NS | NS | NS | NS | NS | NS |
| | 1/27/93 | 30.00 | 5.70 | 24.30 | 0.47 | 0.09 | 6.3 | 0.6 | ND<0.5 | 0.6 |
| | 2/24/93 | 30.00 | 5.64 | 24.36 | NS | NS | NS | NS | NS | NS |
| | 3/26/93 | 30.00 | 5.68 | 24.32 | NS | NS | NS | NS | NS | NS |
| | 4/14/93 | 30.00 | 5.92 | 24.08 | 0.98 | 0.06 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 5/13/93 | 30.00 | 6.05 | 23.95 | NS | NS | NS | NS | NS | NS |
| | 8/20/93 | 30.00 | 6.62 | 23.38 | 1.5 | 0.069 | 0.6 | 0.8 | 1.1 | 1.7 |
| | 9/17/93 | 30.00 | 7.18 | 22.82 | NS | NS | NS | NS | NS | NS |
| | 10/15/93 | 30.00 | 5.17 | 24.83 | NS | NS | NS | NS | NS | NS |
| | 11/16/93 | 30.00 | 7.43 | 22.57 | 1.1 | 0.067 | 0.6 | ND<0.5 | ND<0.5 | 1.3 |
| | 2/16/94 | 30.00 | 6.24 | 23.76 | NS | NS | NS | NS | NS | NS |
| | 10/4/94 (3) | 30.00 | 6.88 | 23.12 | 0.35 | NS | NS | NS | NS | NS |
| MW-4 | 5/12/92 | 30.16 | 4.28 | 25.88 | ND<0.05 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 12/8/92 | 30.16 | 5.13 | 25.03 | NS | NS | NS | NS | NS | NS |
| | 1/27/93 | 30.16 | 2.46 | 27.70 | ND<0.05 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 2/24/93 | 30.16 | 2.37 | 27.79 | NS | NS | NS | NS | NS | NS |
| | 3/26/93 | 30.16 | 2.76 | 27.40 | NS | NS | NS | NS | NS | NS |
| | 4/14/93 | 30.16 | 3.24 | 26.92 | 1.5 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 5/13/93 | 30.16 | 3.57 | 26.59 | NS | NS | NS | NS | NS | NS |
| | 8/20/93 | 30.16 | 3.63 | 26.53 | 0.10 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 9/17/93 | 30.16 | 3.78 | 26.38 | NS | NS | NS | NS | NS | NS |
| | 10/15/93 | 30.16 | 3.85 | 26.31 | NS | NS | NS | NS | NS | NS |
| | 11/16/93 | 30.16 | 6.02 | 24.14 | 0.09 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | 0.70 |
| | 2/16/94 | 30.16 | 3.21 | 26.95 | ND<0.1 | ND<0.05 | ND<0.3 | ND<0.3 | ND<0.3 | ND<0.6 |
| | 10/4/94 | 30.16 | 3.82 | 26.34 | 0.27 | ND<0.1 (5) | ND<1.0 (5) | ND<1.0 (5) | ND<1.0 (5) | ND<1.0 (5) |

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| Well-No. | Date | TOC (feet) | DTW (feet) | GW Elev (feet) | TPHd (ppm) | TPHg (ppm) | B (ppb) | T (ppb) | E (ppb) | X (ppb) |
|----------|----------|---------------|---------------|-------------------|---------------|---------------|------------|------------|------------|------------|
| MW-5 | 5/12/92 | 28.82 | 1.01 | 27.81 | 0.52(H) | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 12/8/92 | 28.82 | 3.08 | 25.74 | NS | NS | NS | NS | NS | NS |
| | 1/27/93 | 28.82 | 2.06 | 26.76 | 0.29 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 2/24/93 | 28.82 | 2.03 | 26.79 | NS | NS | NS | NS | NS | NS |
| | 3/26/93 | 28.82 | 1.84 | 26.98 | NS | NS | NS | NS | NS | NS |
| | 4/14/93 | 28.82 | 2.02 | 26.80 | ND<0.05 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 5/13/93 | 28.82 | 2.08 | 26.74 | NS | NS | NS | NS | NS | NS |
| | 8/20/93 | 28.82 | 2.43 | 26.39 | 0.42 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | 1.0 |
| | 9/17/93 | 28.82 | 2.89 | 25.93 | NS | NS | NS | NS | NS | NS |
| | 10/15/93 | 28.82 | 3.32 | 25.50 | NS | NS | NS | NS | NS | NS |
| | 11/16/93 | 28.82 | 3.45 | 25.37 | 0.47 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 2/16/94 | 28.82 | 2.67 | 26.15 | NS | NS | NS | NS | NS | NS |
| | 10/4/94 | 28.82 | 3.02 | 25.80 | 1.4 | ND<0.1 (5) | ND<1.0 (5) | ND<1.0 (5) | ND<1.0 (5) | ND<1.0 (5) |
| MW-6 | 5/12/92 | 30.02 | 4.68 | 25.34 | 0.19 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 12/8/92 | 30.02 | 5.69 | 24.33 | NS | NS | NS | NS | NS | NS |
| | 1/27/93 | 30.02 | 4.72 | 25.30 | 0.12 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 2/24/93 | 30.02 | 5.38 | 24.64 | NS | NS | NS | NS | NS | NS |
| | 3/26/93 | 30.02 | 3.93 | 26.09 | NS | NS | NS | NS | NS | NS |
| | 4/14/93 | 30.02 | 4.25 | 25.77 | 0.12 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 5/13/93 | 30.02 | 4.07 | 25.95 | NS | NS | NS | NS | NS | NS |
| | 8/20/93 | 30.02 | 4.82 | 25.20 | 0.11 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 9/17/93 | 30.02 | 4.63 | 25.39 | NS | NS | NS | NS | NS | NS |
| | 10/15/93 | 30.02 | 5.17 | 24.85 | NS | NS | NS | NS | NS | NS |
| | 11/16/93 | 30.02 | 6.11 | 23.91 | 0.2 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 2/16/94 | 30.02 | 4.72 | 25.30 | NS | NS | NS | NS | NS | NS |
| | 10/4/94 | 30.02 | 4.58 | 25.44 | 0.56 | NS | NS | NS | NS | NS |

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| Well-No. | Date | TOC (feet) | DTW (feet) | GW Elev (feet) | TPHd (ppm) | TPHg (ppm) | B (ppb) | T (ppb) | E (ppb) | X (ppb) |
|----------|----------|---------------|---------------|-------------------|---------------|---------------|------------|------------|------------|------------|
| MW-7 | 9/14/92 | 29.81 | 4.41 | 25.40 | 0.21 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 12/8/92 | 29.81 | 5.35 | 24.46 | NS | NS | NS | NS | NS | NS |
| | 1/27/93 | 29.81 | 1.54 | 28.27 | 0.23 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 2/24/93 | 29.81 | 1.41 | 28.40 | NS | NS | NS | NS | NS | NS |
| | 3/26/93 | 29.81 | 2.01 | 27.80 | NS | NS | NS | NS | NS | NS |
| | 4/14/93 | 29.81 | 2.61 | 27.20 | 0.18 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 5/13/93 | 29.81 | 3.12 | 26.69 | NS | NS | NS | NS | NS | NS |
| | 8/20/93 | 29.81 | 3.96 | 25.85 | 0.20 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 9/17/93 | 29.81 | 4.43 | 25.38 | NS | NS | NS | NS | NS | NS |
| | 10/15/93 | 29.81 | 4.59 | 25.22 | NS | NS | NS | NS | NS | NS |
| | 11/16/93 | 29.81 | 4.81 | 25.00 | 0.18 | ND<0.05 | 1.2 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 2/16/94 | 29.81 | 3.25 | 26.56 | ND<0.1 | ND<0.05 | ND<0.3 | ND<0.3 | ND<0.3 | ND<0.6 |
| | 10/4/94 | 29.81 | 4.00 | 25.81 | 0.70 | ND<0.1 (5) | ND<1.0 (5) | ND<1.0 (5) | ND<1.0 (5) | ND<1.0 (5) |
| MW-8 | 9/14/92 | 29.92 | 5.39 | 24.53 | ND<0.05 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 12/8/92 | 29.92 | 4.96 | 24.96 | NS | NS | NS | NS | NS | NS |
| | 1/27/93 | 29.92 | 1.16 | 28.76 | ND<0.05 | ND<0.05 | ND<0.5 | 0.6 | ND<0.5 | 1.0 |
| | 2/24/93 | 29.92 | 0.76 | 29.16 | NS | NS | NS | NS | NS | NS |
| | 3/26/93 | 29.92 | 0.78 | 29.14 | NS | NS | NS | NS | NS | NS |
| | 4/14/93 | 29.92 | 2.15 | 27.77 | ND<0.05 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 5/13/93 | 29.92 | 2.85 | 27.07 | NS | NS | NS | NS | NS | NS |
| | 8/20/93 | 29.92 | 4.85 | 25.07 | 0.10 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 9/17/93 | 29.92 | 5.28 | 24.64 | NS | NS | NS | NS | NS | NS |
| | 10/15/93 | 29.92 | 5.72 | 24.20 | NS | NS | NS | NS | NS | NS |
| | 11/16/93 | 29.92 | 4.06 | 25.86 | 0.06 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 2/16/94 | 29.92 | 3.34 | 26.58 | ND<0.1 | ND<0.05 | ND<0.3 | ND<0.3 | ND<0.3 | ND<0.6 |
| | 10/4/94 | 29.92 | 5.17 | 24.75 | 0.25 | ND<0.1 (5) | ND<1.0 (5) | ND<1.0 (5) | ND<1.0 (5) | ND<1.0 (5) |

Table 1

GROUND WATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

Ryder Truck Rental LC-0227

8001 Oakport Street

Oakland, California

| Well-No. | Date | TOC (feet) | DTW (feet) | GW Elev (feet) | TPHd (ppm) | TPHg (ppm) | B (ppb) | T (ppb) | E (ppb) | X (ppb) |
|----------|----------|---------------|---------------|-------------------|---------------|---------------|------------|------------|------------|------------|
| MW-9 | 9/14/92 | 29.76 | 7.64 | 22.12 | 0.071 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 12/8/92 | 29.76 | 7.53 | 22.23 | NS | NS | NS | NS | NS | NS |
| | 1/27/93 | 29.76 | 2.86 | 26.90 | ND<0.05 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 2/24/93 | 29.76 | 3.61 | 26.15 | NS | NS | NS | NS | NS | NS |
| | 3/26/93 | 29.76 | 3.96 | 25.80 | NS | NS | NS | NS | NS | NS |
| | 4/14/93 | 29.76 | 4.86 | 24.90 | ND<0.05 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 9/14/92 | 29.76 | 7.64 | 22.12 | 0.071 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 8/20/93 | 29.76 | 7.11 | 22.65 | 0.11 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 9/17/93 | 29.76 | 7.64 | 22.12 | NS | NS | NS | NS | NS | NS |
| | 10/15/93 | 29.76 | 7.87 | 21.89 | NS | NS | NS | NS | NS | NS |
| | 11/16/93 | 29.76 | 7.97 | 21.79 | 0.12 | ND<0.05 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 2/16/94 | 29.76 | 6.77 | 22.99 | ND<0.1 | NS | NS | NS | NS | NS |
| | 10/4/94 | 29.76 | 7.54 | 22.22 | NA (4) | NA (4) | NA (4) | NA (4) | NA (4) | NA (4) |

Table 1

GROUND WATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
Ryder Truck Rental LC-0227
8001 Oakport Street
Oakland, California

| Well-No. | Date | TOG (ppb) | Cd (ppb) | Cr (ppb) | Ni (ppb) | Zn (ppb) |
|----------|---------|--------------|-------------|-------------|-------------|-------------|
| MW-1 | 3/20/92 | ND<5,000 | ND<5 | 20 | 30 | ND<10 |
| MW-2 | 3/20/92 | ND<5,000 | 7.0 | ND<10 | 30 | ND<10 |
| MW-3 | 3/20/92 | ND<5,000 | 6.0 | 30 | 50 | 10 |
| MW-4 | 5/12/92 | ND<5,000 | ND<5 | ND<10 | ND<20 | 21 |
| MW-5 | 5/12/92 | NA | 20 | ND<10 | ND<20 | 47 |
| MW-6 | 5/12/92 | NA | 54 | ND<10 | ND<20 | 59 |
| MW-7 | 9/14/92 | NA | ND<5 | 50 | 80 | 310 |
| MW-8 | 9/14/92 | NA | ND<5 | ND<10 | 30 | 50 |
| MW-9 | 9/14/92 | NA | ND<5 | ND<10 | 30 | 50 |

Table 1

GROUND WATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

Ryder Truck Rental LC-0227

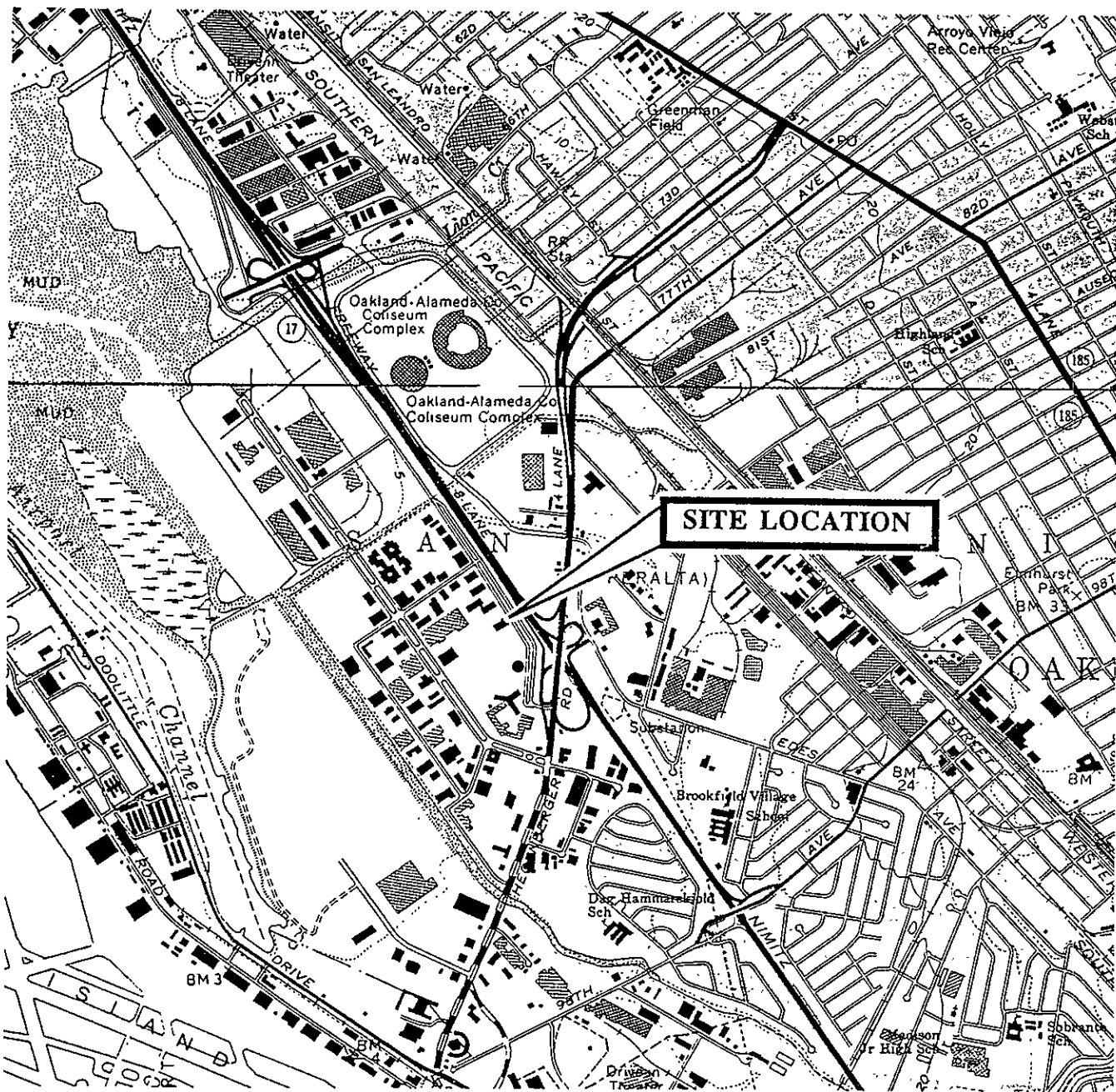
8001 Oakport Street

Oakland, California

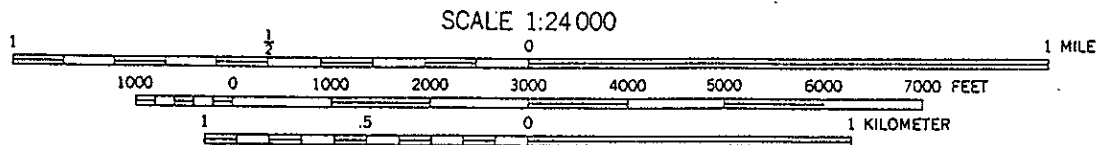
Notes:

Well No. : Monitoring well number
Date : Ground water sample collection date
TOC : Top of casing elevation (north side) in feet, referenced to approximate mean sea level
DTW : Depth to water
GW Elev : Ground water elevation
TPHd : Total Petroleum Hydrocarbons as diesel by EPA Method 8015 (modified)
TPHg : Total Petroleum Hydrocarbons as gasoline by EPA Method 8015 (modified)
BTEX : Benzene, Toluene, Ethylbenzene, total Xylenes by EPA Method 8020 (modified)
TOG : Total Oil and Grease by EPA Method 418.1 (IR)
Cd, Cr,
Ni, Zn : Cadmium, chromium, nickel and zinc by EPA Method 6010/200.7, ICP
ppm : Parts per million (mg/L)
ppb : Parts per billion (µg/L)
NA: Not analyzed
ND: Not detected in concentrations exceeding the method detection limit
NR : Not Regulated (no MCL or AL established)
NS: Not sampled
MCL : California Department of Health Services current Primary Maximum Contaminant Level
AL : California Department of Health Services current Action Level (no MCL promulgated)
(H): Hydrocarbons greater than C-22 detected
(1) : MCL
(2) : AL
(3) : Samples from MW-1 and MW-3 were inadvertently switched in the field. The well designations are correct in Table 1.
(4) : Sample broke during shipment to analytical laboratory.
(5): Sample holding times were met (chain-of-custody incorrectly states sample containers were unpreserved).

FIGURES



SOURCE:
USGS 7.5' QUADRANGLES
ENTITLED "OAKLAND EAST, CA"
AND "SAN LEANDRO, CA"

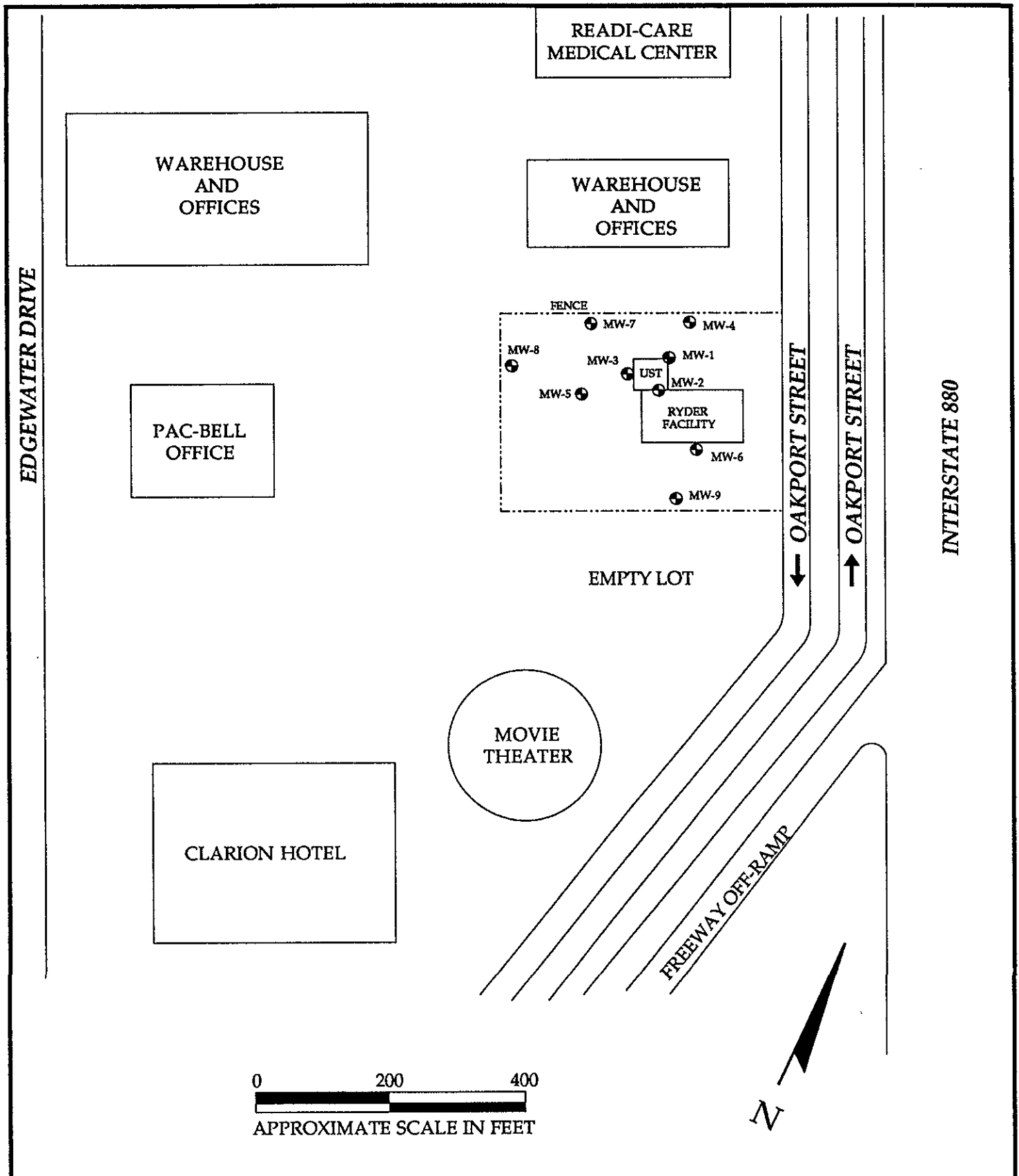


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SITE LOCATION MAP
Ryder Truck Rental Facility LC-0227
8001 Oakport Street
Oakland, California

Figure
1

7-201.1 11/94

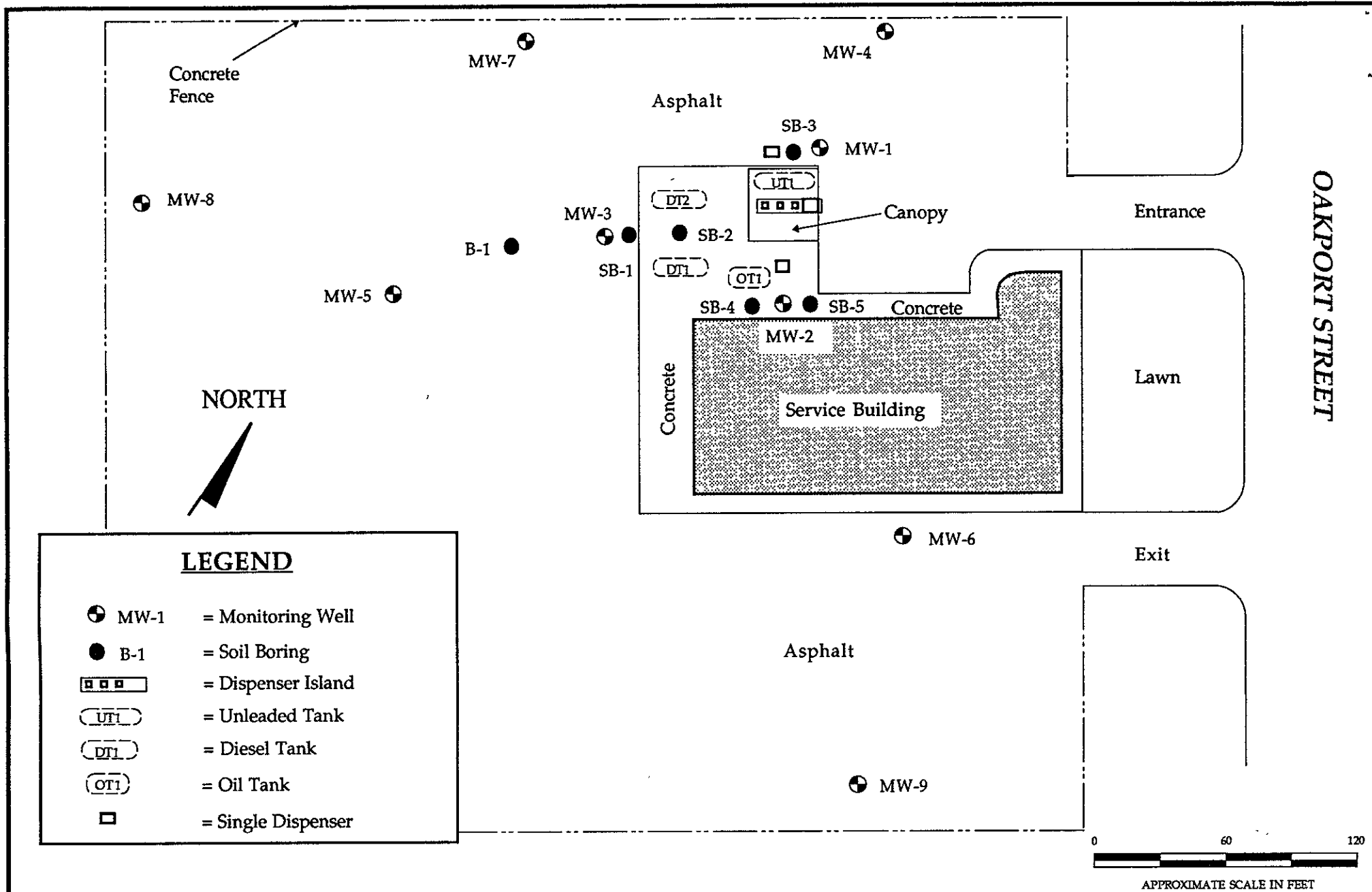


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SITE VICINITY MAP
Ryder Truck Rental Facility LC-0227
8001 Oakport Street
Oakland, California

Figure
2

7-201 11/94

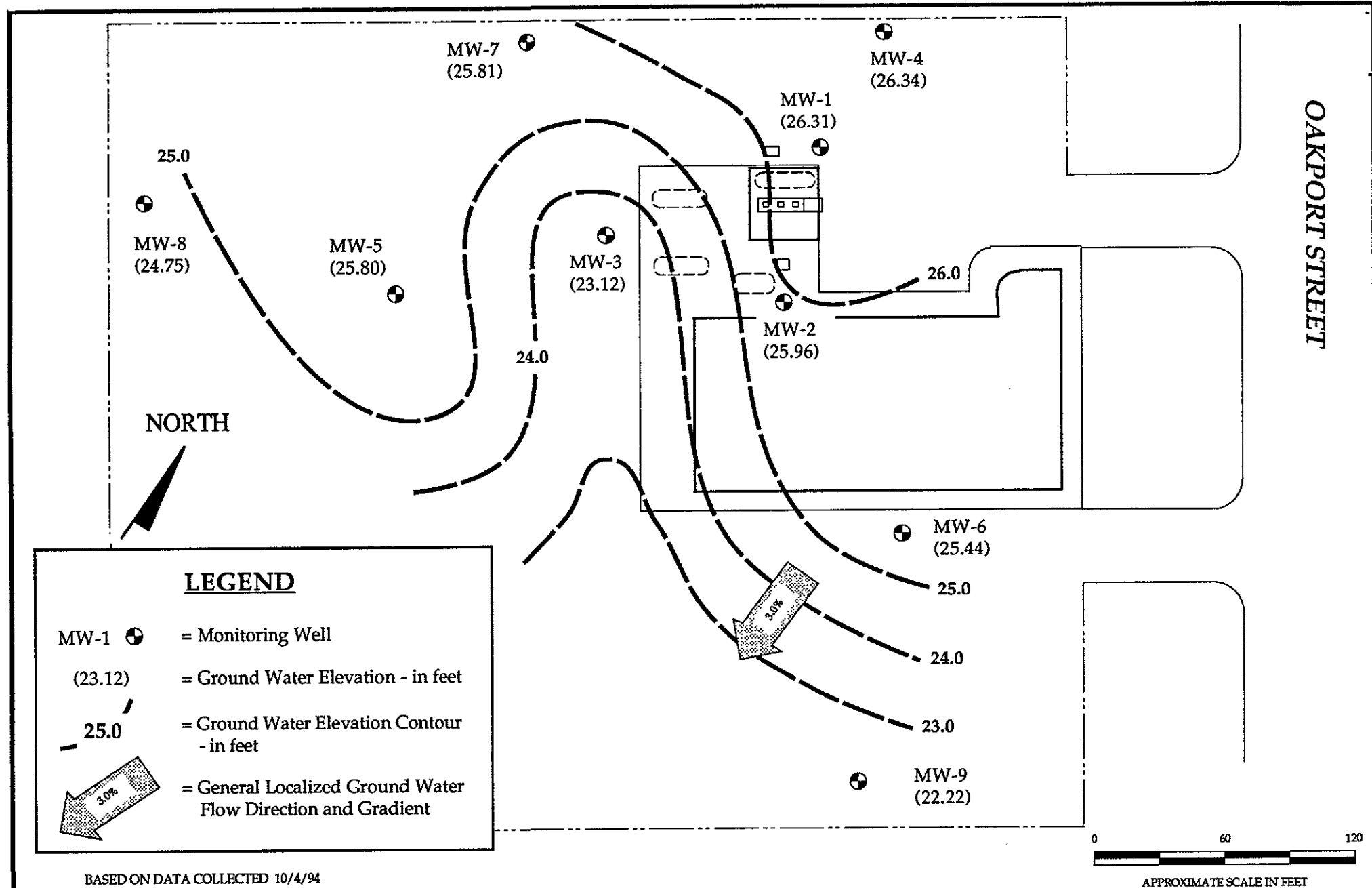


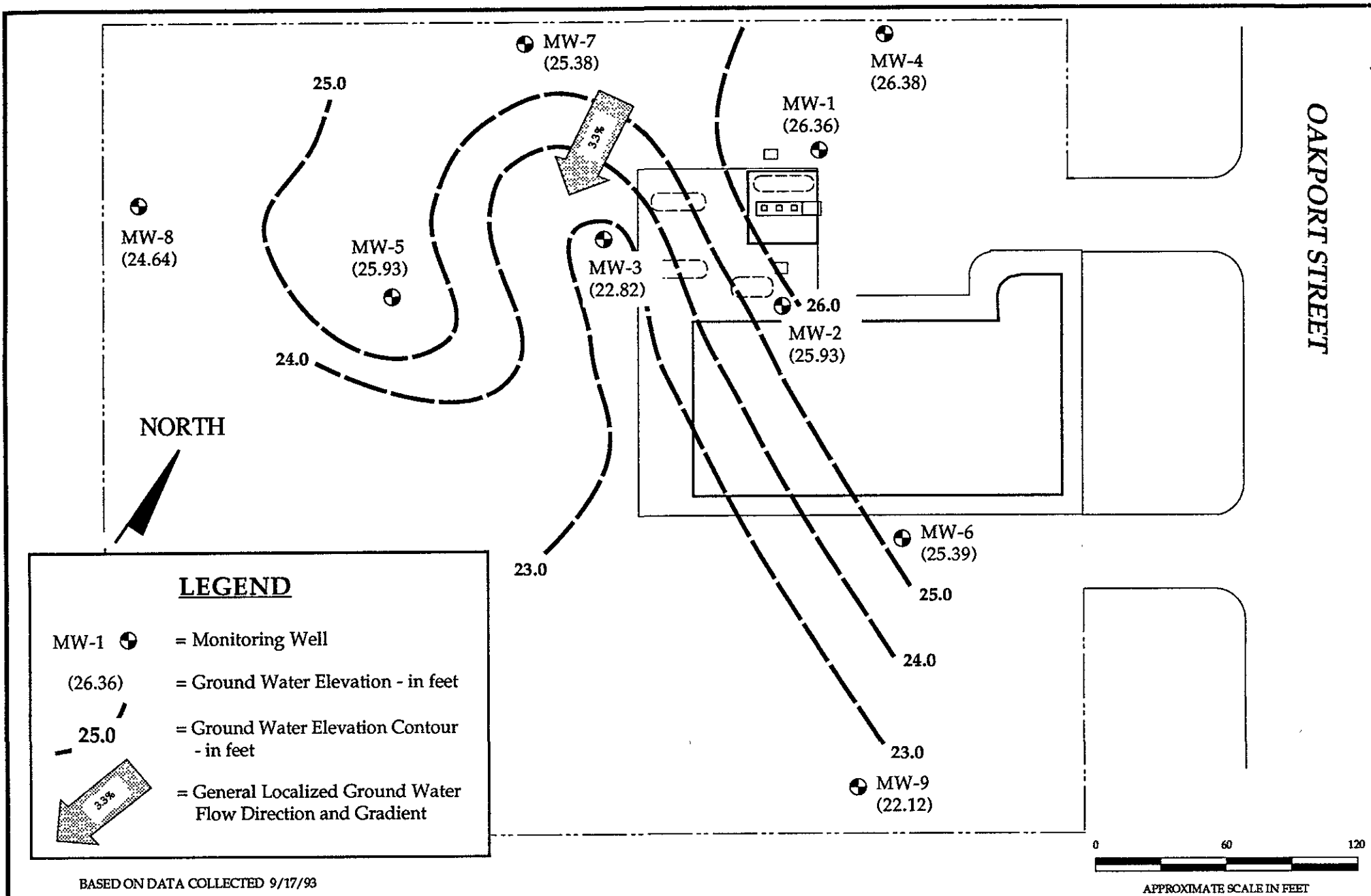
SITE PLAN

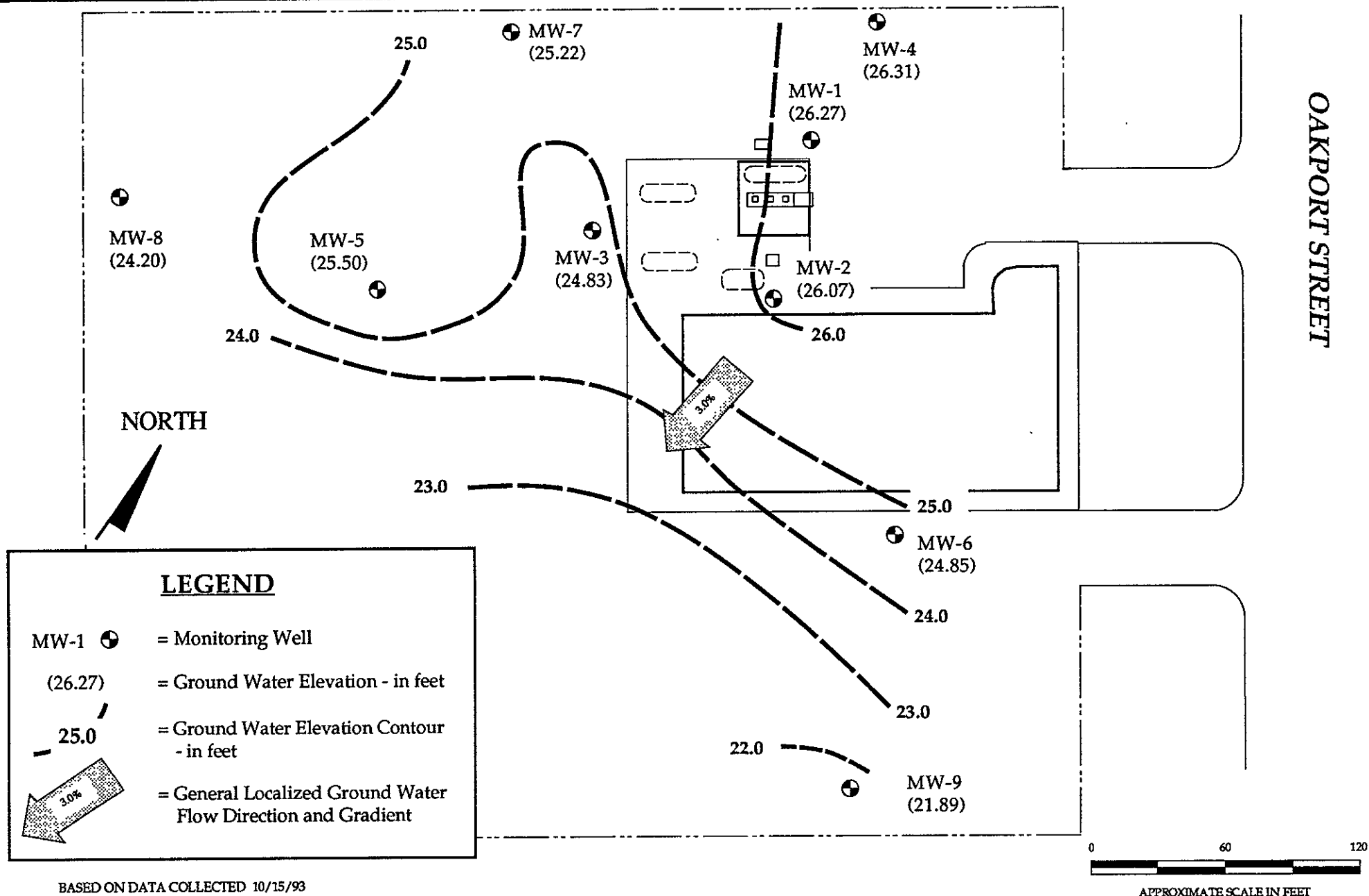
Ryder Truck Rental Facility LC-0227
8001 Oakport Street
Oakland, California

Figure
3

7-201.1 11/94







BASED ON DATA COLLECTED 10/15/93

APPROXIMATE SCALE IN FEET

MW-7

TPHd = 0.7
TPHg = ND
B = ND
T = ND
E = ND
X = ND

MW-4

TPHd = 0.27
TPHg = ND
B = ND
T = ND
E = ND
X = ND

MW-8

TPHd = 0.25
TPHg = ND
B = ND
T = ND
E = ND
X = ND

MW-5

TPHd = 1.4
TPHg = ND
B = ND
T = ND
E = ND
X = ND

MW-3

TPHd = 0.35
TPHg = NA
B = NA
T = NA
E = NA
X = NA

MW-1

TPHd = 3.4
TPHg = ND
B = ND
T = ND
E = ND
X = ND

MW-2

TPHd = 4.3
TPHg = ND
B = ND
T = ND
E = ND
X = ND

MW-6

TPHd = 0.56
TPHg = NA
B = NA
T = NA
E = NA
X = NA

MW-9

(NA)

NORTH

MW-1 = Monitoring Well

TPHd = 1.4
TPHg = ND
B = ND
T = ND
E = ND
X = ND

= Concentrations Of Total Petroleum Hydrocarbons as Diesel (TPHd) and Gasoline (TPHg), Benzene (B), Toluene (T), Ethylbenzene (E), and Total Xylenes (X) Detected in Sample from Designated Well - in ppm

(NA) = Not Analyzed (see text)

BASED ON DATA COLLECTED 10/4/94



APPROXIMATE SCALE IN FEET

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HYDROCARBON CONCENTRATION MAP

Ryder Truck Rental Facility LC-0227
8001 Oakport Street
Oakland, California

Figure

7

7-201.1 11/94

APPENDIX A

MONITORING WELL GAUGING DATA SHEET

GAUGED BY: K. Allan DATE: 10-4-94

GAUGED USING: MMC I/P, ORS I/P, Solinst: #1, #2, #3

[illegible]

**HYDR-
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TECHNOLOGIES, INC.**

LOCATION: LYDER TRUCK RENTAL
8001 Oakport Rd
Oakland CA

Job No.
7-201
SHEET
1 of 1

PURGED/SAMPLED BY: Ruary AllanDATE: 10/4/94**GAUGING DATA:**Depth to bottom: 14.39 ft.Depth to water: 3.26 ft.Saturated
Thickness: 11.13 ft.**Conversion**

| diam. | gals/ft. |
|--------------|---------------|
| 2 in. | x 0.16 |
| <u>4 in.</u> | <u>x 0.65</u> |
| 6 in. | x 1.44 |

Well casing volume 7.24 gallons# volumes to purge x 3 vols.*Total volume to purge = 22 gallons

* unless chemical parameters do not stabilize

PURGING DATA:Purge method: PVC bailer Submersible pump/ Suction lift pump/ _____ (circle one)Temp/Conductivity/pH Instrument: HYDAC #1

| Time | Volume (gallons) | Temp. (°F) | Conductivity (mS/cm) | pH |
|-------------|------------------|-------------|----------------------|--------------------|
| <u>4.30</u> | <u>0</u> | <u>—</u> | <u>—</u> | <u>—</u> |
| | <u>4 1/2</u> | <u>70.3</u> | <u>8.96</u> | <u>malfunction</u> |
| | <u>9</u> | <u>72.7</u> | <u>9.41</u> | |
| <u>4.31</u> | <u>13 1/2</u> | <u>73.7</u> | <u>9.82</u> | |
| <u>4.38</u> | <u>18</u> | <u>74.0</u> | <u>9.78</u> | |
| <u>↓</u> | <u>22</u> | <u>74.3</u> | <u>9.74</u> | <u>↓</u> |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Color: oliveTurbidity: low-modRecharge: goodSPP 0 ft. Sheen 0**SAMPLING DATA:**Sampling method: Dedicated bailer Disposable bailer

Sample for: (circle)

| | | | |
|------------------|----------|----------|------|
| <u>TPHg/BTEX</u> | METALS | TOG | 8010 |
| <u>TPHd</u> | O-Pb | TEL | 8020 |
| TPH mo | Total Pb | EDB | 8240 |
| 601 | 602 | Nitrates | 8260 |
| Other: _____ | | | |

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PURGE/SAMPLE DATA SHEETWELL # MW- 1LOCATION: Ryder, Oakport Rd., Oakland

Job No.
7-201.1
SHEET
1 of 1

PURGED/SAMPLED BY: Ruary AllanDATE: 10/4/94**GAUGING DATA:**Depth to bottom: 13.28 ft.Depth to water: 4.25 ft.Saturated
Thickness: 9.03 ft.**Conversion**

| diam. | gals/ft. |
|-------|----------|
| 2 in. | x 0.16 |
| 4 in. | x 0.65 |
| 6 in. | x 1.44 |

Well casing volume 5.9 gallons# volumes to purge x 3 vols.*Total volume to purge = 18 gallons

* unless chemical parameters do not stabilize

PURGING DATA:Purge method: PVC bailer Submersible pump/ Suction lift pump/ _____ (circle one)Temp/Conductivity/pH Instrument: HYDAC #1

| Time | Volume (gallons) | Temp. (°F) | Conductivity (mS/cm) | pH |
|------|------------------|------------|----------------------|-------------|
| 3.58 | 0 | — | — | — |
| | 4½ | 66.6 | 6.76 | Malfunction |
| | 9 | 68.5 | 6.79 | ↓ |
| 4.09 | 13½ | 68.4 | 6.69 | ↓ |
| | Well dry | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Color: oliveTurbidity: lowRecharge: poor-modSPP 0 ft.Sheen slight**SAMPLING DATA:**Sampling method: Dedicated bailer / Disposable bailer

Sample for: (circle)

| | | | |
|------------------|----------|----------|------|
| <u>TPHg/BTEX</u> | METALS | TOG | 8010 |
| <u>TPHd</u> | O-Pb | TEL | 8020 |
| TPH mo | Total Pb | EDS | 8240 |
| 601 | 602 | Nitrates | 8260 |
| Other: _____ | | | |

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PURGE/SAMPLE DATA SHEETWELL # MW-2LOCATION: Ryder, Oakport Rd., Oakland

Job No.
7-201.1
SHEET
1 of 1

PURGED/SAMPLED BY: Ruary AllanDATE: 10/4/94**GAUGING DATA:**Depth to bottom: 13.80 ft.Depth to water: 6.88 ft.Saturated
Thickness: 6.92 ft.

| Conversion | |
|------------|----------|
| diam. | gals/ft. |
| 4 in. | x 0.65 |
| 6 in. | x 1.44 |

Well casing volume 4.5 gallons# volumes to purge x 3 vols.*Total volume to purge = 13½ gallons

* unless chemical parameters do not stabilize

PURGING DATA:Purge method: PVC bailer Submersible pump/ Suction lift pump/ _____ (circle one)Temp/Conductivity/pH Instrument: HYDAC #1

| Time | Volume (gallons) | Temp. (°F) | Conductivity (mS/cm) | pH |
|------|------------------|------------|----------------------|------|
| 2.40 | 0 | — | — | — |
| | 4½ | 70.7 | 19.89 | 9.13 |
| ↑ | 9 | 72.1 | off scale | 8.70 |
| 2.44 | 13.5 | | | |
| | Well dry | 1 | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Color: dark oliveTurbidity: modRecharge: poorSPP 0 ft.Sheen: 0**SAMPLING DATA:**Sampling method: Dedicated bailer / Disposable bailer

Sample for: (circle)

| | | | |
|--------------|----------|----------|------|
| TPHg/BTEX | METALS | TOG | 8010 |
| TPHd | O-Pb | TEL | 8020 |
| TPH mo | Total Pb | ED8 | 8240 |
| 601 | 602 | Nitrates | 8260 |
| Other: _____ | | | |

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PURGE/SAMPLE DATA SHEET
WELL # MW- 3
LOCATION: Ryder, Oakport Rd., Oakland

Job No.
7-201.1
SHEET
1 of 1

PURGED/SAMPLED BY: Ruary AllanDATE: 10/4/94**GAUGING DATA:**Depth to bottom: 14.89 ft.Depth to water: 3.82 ft.Saturated
Thickness: 11.1 ft.**Conversion**

| diam. | gals/ft. |
|-------|----------|
| 2 in. | x 0.16 |
| 4 in. | x 0.65 |
| 6 in. | x 1.44 |

Well casing volume ~~1.8~~ 1.8 gallons# volumes to purge x 3 vols.*Total volume to purge = 5½ gallons

* unless chemical parameters do not stabilize

PURGING DATA:Purge method: PVC bailer Submersible pump/ Suction lift pump/ _____ (circle one)Temp/Conductivity/pH Instrument: HYDAC #1

| Time | Volume (gallons) | Temp. (°F) | Conductivity (mS/cm) | pH |
|-------------|------------------|-------------|-----------------------------|-----------------------------|
| <u>3:40</u> | <u>0</u> | <u>—</u> | <u>—</u> | <u>—</u> |
| | <u>1½</u> | <u>68.7</u> | <u>4.85 5.37</u> | <u>8.02 8.03</u> |
| | <u>2½</u> | <u>69.6</u> | <u>5.37</u> | <u>8.03</u> |
| <u>3:44</u> | <u>3½</u> | <u>69.4</u> | <u>5.53</u> | <u>8.25</u> |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Color: tanTurbidity: modRecharge: modSPP φ ft. Sheen φ**SAMPLING DATA:**Sampling method: Dedicated bailer / Disposable bailer

Sample for: (circle)

| | | | |
|------------------|----------|----------|------|
| <u>TPHg/BTEX</u> | METALS | TOG | 8010 |
| <u>TPHd</u> | O-Pb | TEL | 8020 |
| TPH mo | Total Pb | EDS | 8240 |
| 601 | 602 | Nitrates | 8260 |
| Other: _____ | | | |

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PURGE/SAMPLE DATA SHEETWELL # MW-4LOCATION: Ryder, Oakport Rd., Oakland

Job No.
7-201.1
SHEET
1 of 1

PURGED/SAMPLED BY: Ruary AllanDATE: 10/4/94**GAUGING DATA:**Depth to bottom: 15.07 ft.Depth to water: 3.02 ft.Saturated
Thickness: 12.05 ft.**Conversion**

| diam. | gals/ft. |
|--------------|---------------|
| <u>2 in.</u> | <u>x 0.16</u> |
| 4 in. | x 0.65 |
| 6 in. | x 1.44 |

Well casing volume 1.93 gallons# volumes to purge x 3 vols.*Total volume to purge = 6 gallons

* unless chemical parameters do not stabilize

PURGING DATA:Purge method: PVC bailer Submersible pump/ Suction lift pump/ _____ (circle one)Temp/Conductivity/pH Instrument HYDAC #1

| Time | Volume (gallons) | Temp. (°F) | Conductivity (mS/cm) | pH |
|------|------------------|------------|----------------------|------|
| 2.23 | 0 | — | — | — |
| | 1½ | 75.0 | off scale | 6.12 |
| | 3 | 73.7 | | 5.89 |
| 2.27 | 5 | 72.6 | | 5.66 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Color: olive tanTurbidity: low - modRecharge: modSPP φ ft. Sheen φ**SAMPLING DATA:**Sampling method: Dedicated bailer / Disposable bailer

Sample for: (circle)

| | | | |
|------------------|----------|----------|------|
| <u>TPHg/BTEX</u> | METALS | TOG | 8010 |
| <u>TPHd</u> | O-Pb | TEL | 8020 |
| TPH mo | Total Pb | ED8 | 8240 |
| 601 | 602 | Nitrates | 8260 |
| Other: _____ | | | |

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PURGE/SAMPLE DATA SHEETWELL # MW-5LOCATION: Ryder, Oakport Rd., Oakland

Job No.
7-201.1
SHEET
1 of 1

PURGED/SAMPLED BY: Ruary AllanDATE: 10/4/94**GAUGING DATA:**Depth to bottom: 15.04 ft.Depth to water: 4.58 ft.Saturated
Thickness: 10.46 ft.**Conversion**

| diam. | gals/ft. |
|-------|----------|
| 2 in. | x 0.16 |
| 4 in. | x 0.65 |
| 6 in. | x 1.44 |

Well casing volume 1.7 gallons# volumes to purge x 3 vols.*Total volume to purge = 5 1/2 gallons

* unless chemical parameters do not stabilize

PURGING DATA:Purge method: PVC bailer Submersible pump/ Suction lift pump/ _____ (circle one)Temp/Conductivity/pH Instrument: HYDAC #1

| Time | Volume (gallons) | Temp. (°F) | Conductivity (mS/cm) | pH |
|------|------------------|------------|----------------------|------|
| 1.50 | 0 | — | — | — |
| | 2 | 73.2 | off scale | 7.78 |
| | 4 | 75.1 | ↓ | 7.52 |
| 1.57 | 5 1/2 | 74.5 | ↓ | 7.49 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Color: dark grayTurbidity: modRecharge: modSPP 0 ft. Sheen 0**SAMPLING DATA:**Sampling method: Dedicated bailer / Disposable bailer

Sample for: (circle)

| | | | |
|------------------|----------|----------|------|
| <u>TPHg/BTEX</u> | METALS | TOG | 8010 |
| <u>TPHd</u> | O-Pb | TEL | 8020 |
| TPH mo | Total Pb | EDB | 8240 |
| 601 | 602 | Nitrates | 8260 |
| Other: _____ | | | |

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PURGE/SAMPLE DATA SHEETWELL # MW-6LOCATION: Ryder, Oakport Rd., Oakland

Job No.
7-201.1
SHEET
1 of 1

PURGED/SAMPLED BY: Ruary AllanDATE: 10/4/94GAUGING DATA:Depth to bottom: 12.39 ft.Depth to water: 4.00 ft.Saturated
Thickness: 8.39 ft.Conversion

| diam. | gals/ft. |
|-------|----------|
| 2 in. | x 0.16 |
| 4 in. | x 0.65 |
| 6 in. | x 1.44 |

Well casing volume 1.35 gallons# volumes to purge x 3 vols.*Total volume to purge = 4 1/2 gallons

* unless chemical parameters do not stabilize

PURGING DATA:Purge method: PVC bailer Submersible pump/ Suction lift pump/ _____ (circle one)Temp/Conductivity/pH Instrument: HYDAC #1

| Time | Volume (gallons) | Temp. (°F) | Conductivity (mS/cm) | pH |
|------|------------------|------------|----------------------|------|
| 2.40 | 0 | — | — | — |
| | 1 | 70.3 | off scale | 5.85 |
| | 2 | 70.5 | | 5.85 |
| 2.44 | 3 | 71.5 | | 5.84 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Color: dark brown-greyTurbidity: modRecharge: poorSPP 0 ft. Sheen 0SAMPLING DATA:Sampling method: Dedicated bailer / Disposable bailer

Sample for: (circle)

| | | | |
|------------------|----------|----------|------|
| <u>TPHg/BTEX</u> | METALS | TOG | 8010 |
| <u>TPHd</u> | O-Pb | TEL | 8020 |
| TPH mo | Total Pb | EDB | 8240 |
| 601 | 602 | Nitrates | 8260 |
| Other: _____ | | | |

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TECHN  **LOGIES, INC.**

PURGE/SAMPLE DATA SHEET

WELL # MW- 7LOCATION: Ryder, Oakport Rd., Oakland

Job No.
7-201.1
SHEET
1 of 1

PURGED/SAMPLED BY: Ruary AllanDATE: 10/4/94**GAUGING DATA:**Depth to bottom: 12.52 ft.Depth to water: 5.17 ft.Saturated
Thickness: 7.35 ft.**Conversion**

| diam. | gals/ft. |
|-------|----------|
| 2 in. | x 0.16 |
| 4 in. | x 0.65 |
| 6 in. | x 1.44 |

Well casing volume 1.18 gallons# volumes to purge x 3 vols.*Total volume to purge = 4 gallons

* unless chemical parameters do not stabilize

PURGING DATA:Purge method: PVC bailer Submersible pump/ Suction lift pump/ _____ (circle one)Temp/Conductivity/pH Instrument: HYDAC #1

| Time | Volume (gallons) | Temp. (°F) | Conductivity (mS/cm) | pH |
|------|------------------|------------|----------------------|------|
| 2.15 | 0 | — | — | — |
| | 1½ | 71.5 | off scale | 7.03 |
| | 3 | 71.5 | " | 6.99 |
| | Well dry | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Color: tanTurbidity: low - modRecharge: poorSPP φ ft. Sheen φ**SAMPLING DATA:**Sampling method: Dedicated bailer / Disposable bailer

Sample for: (circle)

| | | | |
|------------------|----------|----------|------|
| <u>TPHg/BTEX</u> | METALS | TOG | 8010 |
| <u>TPHd</u> | O-Pb | TEL | 8020 |
| TPH mo | Total Pb | EDB | 8240 |
| 601 | 602 | Nitrates | 8260 |
| Other: _____ | | | |

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PURGE/SAMPLE DATA SHEET
WELL # MW- 8
LOCATION: Ryder, Oakport Rd., Oakland

Job No.
7-201.1
SHEET
1 of 1

PURGED/SAMPLED BY: Ruary AllanDATE: 10/4/94**GAUGING DATA:**Depth to bottom: 12.86 ft.Depth to water: 7.54 ft.Saturated
Thickness: 5.32 ft.**Conversion**

| diam. | gals/ft. |
|--------------|---------------|
| <u>2 in.</u> | <u>x 0.16</u> |
| 4 in. | x 0.65 |
| 6 in. | x 1.44 |

Well casing volume 0.86 gallons# volumes to purge x 3 vols.*Total volume to purge = 3 gallons

* unless chemical parameters do not stabilize

PURGING DATA:Purge method: PVC bailer Submersible pump/ Suction lift pump/ _____ (circle one)Temp/Conductivity/pH Instrument: HYDAC #1

| Time | Volume (gallons) | Temp. (°F) | Conductivity (mS/cm) | pH |
|-------------|------------------|-------------|----------------------|-------------|
| <u>1:30</u> | <u>0</u> | <u>—</u> | <u>—</u> | <u>—</u> |
| | <u>1</u> | <u>70.7</u> | <u>off scale</u> | <u>8.09</u> |
| | <u>2</u> | <u>70.3</u> | <u>↓</u> | <u>7.93</u> |
| <u>1:35</u> | <u>2½</u> | <u>69.6</u> | <u>↓</u> | <u>7.92</u> |
| | <u>Well dry.</u> | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Color: tan greyTurbidity: modRecharge: poorSPP 0 ft. Sheen 0**SAMPLING DATA:**Sampling method: Dedicated bailer Disposable bailer

Sample for: (circle)

| | | | |
|------------------|----------|----------|------|
| <u>TPHg/BTEX</u> | METALS | TOG | 8010 |
| <u>TPHd</u> | O-Pb | TEL | 8020 |
| TPH mo | Total Pb | EDB | 8240 |
| 601 | 602 | Nitrates | 8260 |
| Other: _____ | | | |

**HYDR-
ENVIRONMENTAL
TECHNOLOGIES, INC.**

PURGE/SAMPLE DATA SHEETWELL # MW- 9LOCATION: Ryder, Oakport Rd., Oakland

Job No.
7-201.1
SHEET
1 of 1

APPENDIX B



FILE 1-2
ANALYTICAL
DATA

Certificate of Analysis No. 9410210-01

Hydro-Environmental Tech, Inc
2363 Mariner Square Dr. #243
Alameda, CA 94501
ATTN: Scott Kellstedt

P.O.#

DATE: 10/21/94

PROJECT: Ryder
SITE: 8001 Oakport Dr, Oakland
SAMPLED BY: Hydro Environmental Tech.
SAMPLE ID: MW-1

PROJECT NO: 7-201.1
MATRIX: WATER
DATE SAMPLED: 10/04/94
DATE RECEIVED: 10/06/94

| ANALYTICAL DATA | | | | |
|-------------------------------------|------------|-----------------|-------|--|
| PARAMETER | RESULTS | DETECTION LIMIT | UNITS | |
| Total Petroleum Hydrocarbons-Diesel | 0.35 | 0.1 P | mg/I | |
| Surrogate | % Recovery | | | |
| n-Pentacosane | CI | | | |
| Mod. 8015 - Diesel | | | | |
| Analyzed by: SEG | | | | |
| Date: 10/14/94 05:15:00 | | | | |
| Liquid-liquid extraction | 10/08/94 | | | |
| METHOD 3520 *** | | | | |
| Analyzed by: MF | | | | |
| Date: 10/08/94 | | | | |

(P) - Practical Quantitation Limit CI - Coeluting interference.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance
with EPA guidelines for quality assurance.
SPL California License # 1903



Certificate of Analysis No. 9410210-02

Hydro-Environmental Tech, Inc
2363 Mariner Square Dr. #243
Alameda, CA 94501
ATTN: Scott Kellstedt

P.O.#

DATE: 10/21/94

PROJECT: Ryder
SITE: 8001 Oakport Dr, Oakland
SAMPLED BY: Hydro Environmental Tech.
SAMPLE ID: MW-2

PROJECT NO: 7-201.1
MATRIX: WATER
DATE SAMPLED: 10/04/94
DATE RECEIVED: 10/06/94

| ANALYTICAL DATA | | | | |
|--------------------------------------|------------|-----------------|-------|--|
| PARAMETER | RESULTS | DETECTION LIMIT | UNITS | |
| BENZENE | ND | 1 P | µg/l | |
| TOLUENE | ND | 1 P | µg/l | |
| ETHYLBENZENE | ND | 1 P | µg/l | |
| TOTAL XYLENE | ND | 1 P | µg/l | |
| TOTAL VOLATILE AROMATIC HYDROCARBONS | ND | | µg/l | |
| Surrogate | % Recovery | | | |
| 1,4-Difluorobenzene | 96 | | | |
| 4-Bromofluorobenzene | 72 | | | |
| METHOD 8020*** | | | | |
| Analyzed by: DAO | | | | |
| Date: 10/12/94 | | | | |
| Petroleum Hydrocarbons - Gasoline | ND | 0.1 P | mg/l | |
| Surrogate | % Recovery | | | |
| 1,4-Difluorobenzene | 98 | | | |
| 4-Bromofluorobenzene | 92 | | | |
| Modified 8015 - Gasoline | | | | |
| Analyzed by: DAO | | | | |
| Date: 10/12/94 | | | | |
| Total Petroleum Hydrocarbons-Diesel | 4.3 | 0.1 P | mg/l | |
| Surrogate | % Recovery | | | |
| n-Pentacosane | 107 | | | |
| Mod. 8015 - Diesel | | | | |
| Analyzed by: SEG | | | | |
| Date: 10/14/94 05:15:00 | | | | |

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance
with EPA guidelines for quality assurance.
SPL California License # 1903



Certificate of Analysis No. 9410210-02

Hydro-Environmental Tech, Inc
2363 Mariner Square Dr. #243
Alameda, CA 94501
ATTN: Scott Kellstedt

P.O.#

DATE: 10/21/94

PROJECT: Ryder
SITE: 8001 Oakport Dr, Oakland
SAMPLED BY: Hydro Environmental Tech.
SAMPLE ID: MW-2

PROJECT NO: 7-201.1
MATRIX: WATER
DATE SAMPLED: 10/04/94
DATE RECEIVED: 10/06/94

| ANALYTICAL DATA | | | | |
|--------------------------|----------|--------------------|-------|--|
| PARAMETER | RESULTS | DETECTION LIMIT | UNITS | |
| Liquid-liquid extraction | 10/08/94 | | | |
| METHOD 3520 *** | | | | |
| Analyzed by: MF | | | | |
| Date: 10/08/94 | | | | |

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance
with EPA guidelines for quality assurance.
SPL California License # 1903



Certificate of Analysis No. 9410210-03

Hydro-Environmental Tech, Inc
2363 Mariner Square Dr. #243
Alameda, CA 94501
ATTN: Scott Kellstedt

P.O.#

DATE: 10/21/94

PROJECT: Ryder
SITE: 8001 Oakport Dr, Oakland
SAMPLED BY: Hydro Environmental Tech.
SAMPLE ID: MW-3

PROJECT NO: 7-201.1
MATRIX: WATER
DATE SAMPLED: 10/04/94
DATE RECEIVED: 10/06/94

ANALYTICAL DATA

| PARAMETER | RESULTS | DETECTION LIMIT | UNITS |
|--------------------------------------|---------|--------------------|-------|
| BENZENE | ND | 1 P | µg/L |
| TOLUENE | ND | 1 P | µg/L |
| ETHYLBENZENE | ND | 1 P | µg/L |
| TOTAL XYLENE | ND | 1 P | µg/L |
| TOTAL VOLATILE AROMATIC HYDROCARBONS | ND | | µg/L |

Surrogate

% Recovery

1,4-Difluorobenzene

96

4-Bromofluorobenzene

67

METHOD 8020***

Analyzed by: DAO

Date: 10/12/94

Petroleum Hydrocarbons - Gasoline

ND

0.1 P

mg/L

Surrogate

% Recovery

1,4-Difluorobenzene

98

4-Bromofluorobenzene

82

Modified 8015 - Gasoline

Analyzed by: DAO

Date: 10/12/94

Total Petroleum Hydrocarbons-Diesel

3.4

0.1 P

mg/L

Surrogate

% Recovery

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance
with EPA guidelines for quality assurance.
SPL California License # 1903



Certificate of Analysis No. 9410210-03

Hydro-Environmental Tech, Inc
2363 Mariner Square Dr. #243
Alameda, CA 94501
ATTN: Scott Kellstedt

P.O.#

DATE: 10/21/94

PROJECT: Ryder
SITE: 8001 Oakport Dr, Oakland
SAMPLED BY: Hydro Environmental Tech.
SAMPLE ID: MW-3

PROJECT NO: 7-201.1
MATRIX: WATER
DATE SAMPLED: 10/04/94
DATE RECEIVED: 10/06/94

| ANALYTICAL DATA | | RESULTS | DETECTION LIMIT | UNITS |
|--------------------------|--|----------|--------------------|-------|
| PARAMETER | | | | |
| n-Pentacosane | | CI | | |
| Mod. 8015 - Diesel | | | | |
| Analyzed by: SEG | | | | |
| Date: 10/14/94 05:15:00 | | | | |
| Liquid-liquid extraction | | 10/08/94 | | |
| METHOD 3520 *** | | | | |
| Analyzed by: MF | | | | |
| Date: 10/08/94 | | | | |

CI - Coeluting interference.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance
with EPA guidelines for quality assurance.
SPL California License # 1903



Certificate of Analysis No. 9410210-04

Hydro-Environmental Tech, Inc
2363 Mariner Square Dr. #243
Alameda, CA 94501
ATTN: Scott Kellstedt

P.O.#

DATE: 10/21/94

PROJECT: Ryder
SITE: 8001 Oakport Dr, Oakland
SAMPLED BY: Hydro Environmental Tech.
SAMPLE ID: MW-4

PROJECT NO: 7-201.1
MATRIX: WATER
DATE SAMPLED: 10/04/94
DATE RECEIVED: 10/06/94

| PARAMETER | ANALYTICAL DATA | | DETECTION LIMIT | UNITS |
|--------------------------------------|-----------------|--|--------------------|-------|
| | RESULTS | | | |
| BENZENE | ND | | 1 P | µg/l |
| TOLUENE | ND | | 1 P | µg/l |
| ETHYLBENZENE | ND | | 1 P | µg/l |
| TOTAL XYLENE | ND | | 1 P | µg/l |
| TOTAL VOLATILE AROMATIC HYDROCARBONS | ND | | | µg/l |

| | |
|----------------------|------------|
| Surrogate | % Recovery |
| 1,4-Difluorobenzene | 95 |
| 4-Bromofluorobenzene | 65 |

METHOD 8020***
Analyzed by: DAO
Date: 10/12/94

| | | | |
|-----------------------------------|----|-------|-----|
| Petroleum Hydrocarbons - Gasoline | ND | 0.1 P | mg/ |
|-----------------------------------|----|-------|-----|

| | |
|----------------------|------------|
| Surrogate | % Recovery |
| 1,4-Difluorobenzene | 96 |
| 4-Bromofluorobenzene | 81 |

Modified 8015 - Gasoline
Analyzed by: DAO
Date: 10/12/94

| | | | |
|-------------------------------------|------|-------|-----|
| Total Petroleum Hydrocarbons-Diesel | 0.27 | 0.1 P | mg/ |
|-------------------------------------|------|-------|-----|

| | |
|-----------|------------|
| Surrogate | % Recovery |
|-----------|------------|

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance
with EPA guidelines for quality assurance.
SPL California License # 1903



Certificate of Analysis No. 9410210-04

Hydro-Environmental Tech, Inc
2363 Mariner Square Dr. #243
Alameda, CA 94501
ATTN: Scott Kellstedt

P.O.#

DATE: 10/21/94

PROJECT: Ryder
SITE: 8001 Oakport Dr, Oakland
SAMPLED BY: Hydro Environmental Tech.
SAMPLE ID: MW-4

PROJECT NO: 7-201.1
MATRIX: WATER
DATE SAMPLED: 10/04/94
DATE RECEIVED: 10/06/94

| ANALYTICAL DATA | | RESULTS | DETECTION LIMIT | UNITS |
|--------------------------|--|----------|--------------------|-------|
| PARAMETER | | | | |
| n-Pentacosane | | CI | | |
| Mod. 8015 - Diesel | | | | |
| Analyzed by: SEG | | | | |
| Date: 10/14/94 05:15:00 | | | | |
| Liquid-liquid extraction | | 10/08/94 | | |
| METHOD 3520 *** | | | | |
| Analyzed by: MF | | | | |
| Date: 10/08/94 | | | | |

CI - Coeluting interference.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance
with EPA guidelines for quality assurance.
SPL California License # 1903



Certificate of Analysis No. 9410210-05

Hydro-Environmental Tech, Inc
2363 Mariner Square Dr. #243
Alameda, CA 94501
ATTN: Scott Kellstedt

P.O.#

DATE: 10/21/94

PROJECT: Ryder
SITE: 8001 Oakport Dr, Oakland
SAMPLED BY: Hydro Environmental Tech.
SAMPLE ID: MW-5

PROJECT NO: 7-201.1
MATRIX: WATER
DATE SAMPLED: 10/04/94
DATE RECEIVED: 10/06/94

| ANALYTICAL DATA | | RESULTS | DETECTION LIMIT | UNITS |
|--------------------------------------|--|---------|-----------------|-------|
| PARAMETER | | | | |
| BENZENE | | ND | 1 P | µg/L |
| TOLUENE | | ND | 1 P | µg/L |
| ETHYLBENZENE | | ND | 1 P | µg/L |
| TOTAL XYLENE | | ND | 1 P | µg/L |
| TOTAL VOLATILE AROMATIC HYDROCARBONS | | ND | | µg/L |

| | |
|----------------------|------------|
| Surrogate | % Recovery |
| 1,4-Difluorobenzene | 95 |
| 4-Bromofluorobenzene | 65 |

METHOD 8020***
Analyzed by: DAO
Date: 10/12/94

| | | | |
|-----------------------------------|----|-------|------|
| Petroleum Hydrocarbons - Gasoline | ND | 0.1 P | mg/L |
|-----------------------------------|----|-------|------|

| | |
|----------------------|------------|
| Surrogate | % Recovery |
| 1,4-Difluorobenzene | 95 |
| 4-Bromofluorobenzene | 80 |

Modified 8015 - Gasoline
Analyzed by: DAO
Date: 10/12/94

| | | | |
|-------------------------------------|-----|-------|------|
| Total Petroleum Hydrocarbons-Diesel | 1.4 | 0.1 P | mg/L |
|-------------------------------------|-----|-------|------|

| | |
|-----------|------------|
| Surrogate | % Recovery |
|-----------|------------|

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance
with EPA guidelines for quality assurance.
SPL California License # 1903



Certificate of Analysis No. 9410210-05

Hydro-Environmental Tech, Inc
2363 Mariner Square Dr. #243
Alameda, CA 94501
ATTN: Scott Kellstedt

P.O.#

DATE: 10/21/94

PROJECT: Ryder
SITE: 8001 Oakport Dr, Oakland
SAMPLED BY: Hydro Environmental Tech.
SAMPLE ID: MW-5

PROJECT NO: 7-201.1
MATRIX: WATER
DATE SAMPLED: 10/04/94
DATE RECEIVED: 10/06/94

| ANALYTICAL DATA | | RESULTS | DETECTION LIMIT | UNITS |
|--------------------------|--|----------|-----------------|-------|
| PARAMETER | | | | |
| n-Pentacosane | | CI | | |
| Mod. 8015 - Diesel | | | | |
| Analyzed by: SEG | | | | |
| Date: 10/14/94 05:15:00 | | | | |
| Liquid-liquid extraction | | 10/08/94 | | |
| METHOD 3520 *** | | | | |
| Analyzed by: MF | | | | |
| Date: 10/08/94 | | | | |

CI - Coeluting interference.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance
with EPA guidelines for quality assurance.
SPL California License # 1903



Certificate of Analysis No. 9410210-06

Hydro-Environmental Tech, Inc
2363 Mariner Square Dr. #243
Alameda, CA 94501
ATTN: Scott Kellstedt

P.O.#

DATE: 10/21/94

PROJECT: Ryder
SITE: 8001 Oakport Dr, Oakland
SAMPLED BY: Hydro Environmental Tech.
SAMPLE ID: MW-6

PROJECT NO: 7-201.1
MATRIX: WATER
DATE SAMPLED: 10/04/94
DATE RECEIVED: 10/06/94

| ANALYTICAL DATA | | RESULTS | DETECTION LIMIT | UNITS |
|-------------------------------------|------------|---------|-----------------|-------|
| PARAMETER | | | | |
| Total Petroleum Hydrocarbons-Diesel | | 0.56 | 0.1 P | mg/L |
| Surrogate | % Recovery | | | |
| n-Pentacosane | CI | | | |
| Mod. 8015 - Diesel | | | | |
| Analyzed by: SEG | | | | |
| Date: 10/14/94 05:15:00 | | | | |
| Liquid-liquid extraction | 10/08/94 | | | |
| METHOD 3520 *** | | | | |
| Analyzed by: MF | | | | |
| Date: 10/08/94 | | | | |

(P) - Practical Quantitation Limit CI - Coeluting interference.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance
with EPA guidelines for quality assurance.
SPL California License # 1903



Certificate of Analysis No. 9410210-07

Hydro-Environmental Tech, Inc
2363 Mariner Square Dr. #243
Alameda, CA 94501
ATTN: Scott Kellstedt

P.O.#

DATE: 10/21/94

PROJECT: Ryder
SITE: 8001 Oakport Dr, Oakland
SAMPLED BY: Hydro Environmental Tech.
SAMPLE ID: MW-7

PROJECT NO: 7-201.1
MATRIX: WATER
DATE SAMPLED: 10/04/94
DATE RECEIVED: 10/06/94

| ANALYTICAL DATA | | RESULTS | DETECTION LIMIT | UNITS |
|--------------------------------------|--|---------|--------------------|-------|
| PARAMETER | | | | |
| BENZENE | | ND | 1 P | µg/L |
| TOLUENE | | ND | 1 P | µg/L |
| ETHYLBENZENE | | ND | 1 P | µg/L |
| TOTAL XYLENE | | ND | 1 P | µg/L |
| TOTAL VOLATILE AROMATIC HYDROCARBONS | | ND | | µg/L |

| | |
|----------------------|------------|
| Surrogate | % Recovery |
| 1,4-Difluorobenzene | 96 |
| 4-Bromofluorobenzene | 67 |

METHOD 8020***
Analyzed by: DAO
Date: 10/12/94

| | | | |
|-----------------------------------|----|-------|------|
| Petroleum Hydrocarbons - Gasoline | ND | 0.1 P | mg/l |
|-----------------------------------|----|-------|------|

| | |
|----------------------|------------|
| Surrogate | % Recovery |
| 1,4-Difluorobenzene | 95 |
| 4-Bromofluorobenzene | 83 |

Modified 8015 - Gasoline
Analyzed by: DAO
Date: 10/12/94

| | | | |
|-------------------------------------|------|-------|------|
| Total Petroleum Hydrocarbons-Diesel | 0.70 | 0.1 P | mg/l |
|-------------------------------------|------|-------|------|

| | |
|-----------|------------|
| Surrogate | % Recovery |
|-----------|------------|

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance
with EPA guidelines for quality assurance.
SPL California License # 1903



Certificate of Analysis No. 9410210-07

Hydro-Environmental Tech, Inc
2363 Mariner Square Dr. #243
Alameda, CA 94501
ATTN: Scott Kellstedt

P.O.#

DATE: 10/21/94

PROJECT: Ryder
SITE: 8001 Oakport Dr, Oakland
SAMPLED BY: Hydro Environmental Tech.
SAMPLE ID: MW-7

PROJECT NO: 7-201.1
MATRIX: WATER
DATE SAMPLED: 10/04/94
DATE RECEIVED: 10/06/94

| ANALYTICAL DATA | | RESULTS | DETECTION LIMIT | UNITS |
|--------------------------|--|----------|--------------------|-------|
| PARAMETER | | | | |
| n-Pentacosane | | CI | | |
| Mod. 8015 - Diesel | | | | |
| Analyzed by: SEG | | | | |
| Date: 10/14/94 05:15:00 | | | | |
| Liquid-liquid extraction | | 10/08/94 | | |
| METHOD 3520 *** | | | | |
| Analyzed by: MF | | | | |
| Date: 10/08/94 | | | | |

CI - Coeluting interference.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance
with EPA guidelines for quality assurance.
SPL California License # 1903



Certificate of Analysis No. 9410210-08

Hydro-Environmental Tech, Inc
2363 Mariner Square Dr. #243
Alameda, CA 94501
ATTN: Scott Kellstedt

P.O.#

DATE: 10/21/94

PROJECT: Ryder
SITE: 8001 Oakport Dr, Oakland
SAMPLED BY: Hydro Environmental Tech.
SAMPLE ID: MW-8

PROJECT NO: 7-201.1
MATRIX: WATER
DATE SAMPLED: 10/04/94
DATE RECEIVED: 10/06/94

| ANALYTICAL DATA | | RESULTS | DETECTION LIMIT | UNITS |
|--------------------------------------|--|---------|--------------------|-------|
| PARAMETER | | | | |
| BENZENE | | ND | 1 P | µg/l |
| TOLUENE | | ND | 1 P | µg/l |
| ETHYLBENZENE | | ND | 1 P | µg/l |
| TOTAL XYLENE | | ND | 1 P | µg/l |
| TOTAL VOLATILE AROMATIC HYDROCARBONS | | ND | | µg/l |

| | |
|----------------------|------------|
| Surrogate | % Recovery |
| 1,4-Difluorobenzene | 96 |
| 4-Bromofluorobenzene | 59 |

METHOD 8020***
Analyzed by: DAO
Date: 10/12/94

| | | | |
|-----------------------------------|----|-------|------|
| Petroleum Hydrocarbons - Gasoline | ND | 0.1 P | mg/l |
|-----------------------------------|----|-------|------|

| | |
|----------------------|------------|
| Surrogate | % Recovery |
| 1,4-Difluorobenzene | 95 |
| 4-Bromofluorobenzene | 72 |

Modified 8015 - Gasoline
Analyzed by: DAO
Date: 10/12/94

| | | | |
|-------------------------------------|------|-------|------|
| Total Petroleum Hydrocarbons-Diesel | 0.25 | 0.1 P | mg/l |
|-------------------------------------|------|-------|------|

| | |
|---------------|------------|
| Surrogate | % Recovery |
| n-Pentacosane | 120 |

Mod. 8015 - Diesel
Analyzed by: SEG
Date: 10/14/94 05:15:00

ND - Not detected.

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance
with EPA guidelines for quality assurance.
SPL California License # 1903



Certificate of Analysis No. 9410210-08

Hydro-Environmental Tech, Inc
2363 Mariner Square Dr. #243
Alameda, CA 94501
ATTN: Scott Kellstedt

P.O.#

DATE: 10/21/94

PROJECT: Ryder
SITE: 8001 Oakport Dr, Oakland
SAMPLED BY: Hydro Environmental Tech.
SAMPLE ID: MW-8

PROJECT NO: 7-201.1
MATRIX: WATER
DATE SAMPLED: 10/04/94
DATE RECEIVED: 10/06/94

| ANALYTICAL DATA | | | | |
|--------------------------|----------|--------------------|-------|--|
| PARAMETER | RESULTS | DETECTION LIMIT | UNITS | |
| Liquid-liquid extraction | 10/08/94 | | | |
| METHOD 3520 *** | | | | |
| Analyzed by: MF | | | | |
| Date: 10/08/94 | | | | |

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance
with EPA guidelines for quality assurance.
SPL California License # 1903

QUALITY CONTROL
DOCUMENTATION

**** SPL BATCH QUALITY CONTROL REPORT ****
METHOD 8020

PAGE 1

Matrix: Aqueous
Units: µg/L

Batch Id: HP_R941011124400

LABORATORY CONTROL SAMPLE

| S P I K E C O M P O U N D S | Method Blank Result <2> | Spike Added <3> | Blank Spike | | QC Limits(**) (Mandatory) % Recovery Range |
|--------------------------------|-------------------------------|-----------------------|---------------|---------------|--|
| | | | Result <1> | Recovery % | |
| Benzene | ND | 50 | 46 | 92.0 | 54 - 126 |
| Toluene | ND | 50 | 45 | 90.0 | 61 - 125 |
| EthylBenzene | ND | 50 | 34 | 68.0 | 57 - 129 |
| O Xylene | ND | 50 | 40 | 80.0 | 32 - 160 |
| M & P Xylene | ND | 100 | 88 | 88.0 | 32 - 160 |

MATRIX SPIKES

| S P I K E C O M P O U N D S | Sample Results <2> | Spike Added <3> | Matrix Spike | | Matrix Spike Duplicate | | MS/MSD Relative % Difference | QC Limits(***) (Advisory) | |
|--------------------------------|--------------------------|-----------------------|---------------|-----------------|---------------------------|-----------------|------------------------------------|------------------------------|----------------|
| | | | Result <1> | Recovery <4> | Result <1> | Recovery <5> | | RPD Max. | Recovery Range |
| Benzene | ND | 20 | 21 | 105 | 23 | 115 | 9.09 | 19 | 61 - 131 |
| Toluene | ND | 20 | 21 | 105 | 20 | 100 | 4.88 | 18 | 57 - 127 |
| EthylBenzene | ND | 20 | 15 | 75.0 | 15 | 75.0 | 0 | 18 | 55 - 131 |
| O Xylene | ND | 20 | 17 | 85.0 | 17 | 85.0 | 0 | 20 | 40 - 130 |
| M & P Xylene | ND | 40 | 35 | 87.5 | 35 | 87.5 | 0 | 16 | 43 - 152 |

Analyst: DAO

Sequence Date: 10/11/94

SPL ID of sample spiked: 9410253-01A

Sample File ID: R__087.TX0

Method Blank File ID:

Blank Spike File ID: R__079.TX0

Matrix Spike File ID: R__082.TX0

Matrix Spike Duplicate File ID: R__083.TX0

* = Values Outside QC Range

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = $[(<1> - <2>) / <3>] \times 100$

LCS % Recovery = $(<1> / <3>) \times 100$

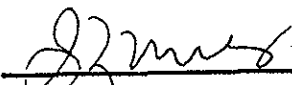
Relative Percent Difference = $| (<4> - <5>) | / [(<4> + <5>) \times 0.5] \times 100$

(**) = Source: SPL-Houston Historical Data

(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID):

| | | | |
|-------------|-------------|-------------|-------------|
| 9410231-09A | 9410222-01A | 9410213-08A | 9410210-08A |
| 9410210-07A | 9410210-05A | 9410210-04A | 9410210-03A |
| 9410210-02A | 9410227-03A | 9410225-02A | 9410148-03A |
| 9410135-06A | 9410148-05A | 9410148-04A | 9410225-01A |
| 9410225-03A | 9410253-01A | 9410225-05A | 9410253-03A |


Idelis Williams, QC Officer

**** SPL BATCH QUALITY CONTROL REPORT ****
Modified 8015 - Gasoline

PAGE 1

Matrix: Aqueous
Units: mg/L

Batch Id: HP_R941012205100

LABORATORY CONTROL SAMPLE

| S P I K E C O M P O U N D S | Method Blank Result <2> | Spike Added <3> | Blank Spike | | QC Limits(**) (Mandatory) % Recovery Range |
|--------------------------------|-------------------------------|-----------------------|---------------|---------------|--|
| | | | Result <1> | Recovery % | |
| Petroleum Hydrocarbons | ND | 5.0 | 5.2 | 104 | 56 - 139 |

MATRIX SPIKES

| S P I K E C O M P O U N D S | Sample Results <2> | Spike Added <3> | Matrix Spike | | Matrix Spike Duplicate | | MS/MSD Relative % Difference | QC Limits(***) (Advisory) | |
|--------------------------------|--------------------------|-----------------------|---------------|-----------------|---------------------------|-----------------|------------------------------------|------------------------------|----------------|
| | | | Result <1> | Recovery <4> | Result <1> | Recovery <5> | | RPD Max. | Recovery Range |
| Petroleum Hydrocarbons | ND | 2.5 | 1.8 | 72.0 | 1.8 | 72.0 | 0 | 18 | 40 - 158 |

Analyst: JZL

Sequence Date: 10/10/94

SPL ID of sample spiked: 9410148-01A

Sample File ID: RR_069.TX0

Method Blank File ID:

Blank Spike File ID: RR_051.TX0

Matrix Spike File ID: RR_052.TX0

Matrix Spike Duplicate File ID: RR_053.TX0

* = Values Outside QC Range

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = $[(<1> - <2>) / <3>] \times 100$

LCS % Recovery = $(<1> / <3>) \times 100$

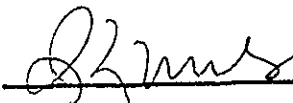
Relative Percent Difference = $| (<4> - <5>) | / [(<4> + <5>) \times 0.5] \times 100$

(**) = Source: SPL-Houston Historical Data

(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID):

9409966-06A 9410231-09A 9410213-08A 9410210-08A
9410210-07A 9410210-05A 9410210-04A 9410210-03A
9410210-02A 9410227-03A 9410078-02A 9409B38-04A
9410026-05A


Idelis Williams, QC Officer

Matrix: Aqueous
Sample ID: 941008CX81
Batch ID: VARC941014051500

Reported on: 10/20/94 16:17:48
Analyzed on: 10/14/94 05:15:00
Analyst: SEG

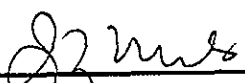
— This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Petroleum Hydrocarbons-Diesel (Water)
Mod. 8015 - Diesel

| C O M P O U N D | Sample Value mg/L | Spike Added mg/L | MS % Recovery # | MSD % Recovery # | Relative % Difference # |
|----------------------------|----------------------|---------------------|-----------------------|------------------------|-------------------------------|
| Petroleum Hydrocarbons-Die | ND | 5.12 | 99 | 95 | 5 |

NOTES

column to be used to flag recovery and RPD values with an asterisk
* values outside of QC Limits.


Idelis Williams, QC Officer



SPL Laboratories Inc.

Page 1 of 1

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Traverse City, MI 49684
(616) 947-5777
Fax: (616) 947-7455

1000 Riverbend Blvd., #F
St. Rose, Louisiana 70087
(504) 467-5503
Fax: (504) 466-3672

Analysis Request and Chain of Custody Record

Temp: Store:
(Lab Use Only)

Consultant Project No.

7-201.1

Project Physical Address

8001 OAKPORT DR.

Project City and State

OAKLAND, CA

| Field Sample No./ Identification | Date and Time | Grab | Comp | Sample Container (No. & Size) | Sample Type (Liquid, Soil, Sludge, Etc.) | Preservative | ANALYSIS REQUESTED | | REMARKS |
|----------------------------------|---------------|------|------|-------------------------------|--|--------------|--------------------|---|-------------------------------------|
| | | | | | | | TEST | METHOD | |
| MW-1 | 10-4 | X | | 1 x 1L | H ₂ O | None | TPHd only | EPA 8015 (CA-DHS modified) | |
| MW-2 | | | | 1 x 1L 3 x VOA | | | TPHd TPHg/BTEX | EPA 8015 (CA-DHS modified) EPA 8015/8020 (mod'd) | |
| MW-3 | | | | | | | | | |
| MW-4 | | | | | | | | | |
| MW-5 | | | | | | | | | |
| MW-6 | | | | 1 x 1L | | | TPHd only | EPA 8015 (CA-DHS modified) | |
| MW-7 | | | | 1 x 1L 3 x VOA | | | TPHd TPHg/BTEX | EPA 8015 (CA-DHS modified) EPA 8015/8020 (mod'd) | |
| MW-8 | | | | | | | | | |
| MW-9 | | | | 1 x 1L | | | TPHd only | EPA 8015 (CA-DHS modified) | received broken can battery 10/6/94 |

Samplers: (Signature)

Ryan Allen

Affiliation

HETI

Relinquished by: (Signature)

Ryan Allen

Relinquished by: (Signature)

X. Kellstedt

Date: 10/5/94

Time: 1 pm

Received by: (Signature)

X. Kellstedt

Date: 10/5/94

Time: 1 pm

Intact

40C

Date: 10/5/94

Time: 3 pm

Relinquished by for Laboratory: (Signature)

X. Kellstedt

Date: 10/4/94

Time: 10:00

REPORT TO: CONSULTANT'S NAME & ADDRESS:

HYDRO-ENVIRONMENTAL TECHNOLOGIES

2363 MARINER SQ DR #243 ALAMEDA CA

CONTACT: SCOTT KELLSTEDT 94501

CONSULTANT'S PHONE #: (510) 521-2684

CONSULTANT'S FAX #: (510) 521-5078

REMARKS: please FAX results, followed by hard copy. Thanks

Turn Around Time

☐ 24 Hrs☐ 3 Days☐ 5 Days☒ Standard

INVOICE TO: RYDER SYSTEM, INC.

RYDER PROJECT CONTACT:

☐ MIAMI, FL☐ POMPANO BEACH, FL

PROJECT INFORMATION:

SUBSIDIARY:

☒ RTR☐ RSTS

IVAN GONZALEZ

☐ HOUSTON, TX☒ KINGWOOD, TX

REGION:

DISTRICT:

LOCATION CODE: PLCH 0227