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**FIRST QUARTER 1994
GROUNDWATER MONITORING REPORT**

**CARNATION DAIRY FACILITY
1310 14TH STREET
OAKLAND, CALIFORNIA**

5-19-94

PRESENTED TO:

**ALAMEDA COUNTY HEALTH AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
DIVISION OF CLEAN WATER PROGRAM
UST LOCAL OVERSIGHT PROGRAM
80 SWAN WAY, ROOM 200
OAKLAND, CALIFORNIA 94621**

ON BEHALF OF:

**NESTLE USA, INC.
800 NORTH BRAND BOULEVARD
GLENDALE, CALIFORNIA 91203**

PREPARED BY:

**PARK ENVIRONMENTAL CORPORATION
4231 PACIFIC STREET
SUITE 7
ROCKLIN, CALIFORNIA 95677**

MAY 19, 1994



ALCO
HAZMAT
94 MAY 23 AM 11: 31

May 19, 1994

5008.J1

Ms. Jennifer Eberle
Department of Environmental Health
Hazardous Materials Division
80 Sway Way, Room 200
Oakland, CA 94601

**Re: Quarterly Groundwater Monitoring Report
Carnation Company
1310 14th Street
Oakland, California**

Dear Ms. Eberle:

Park Environmental Corporation (**Park**) is pleased to provide this Quarterly Groundwater Monitoring Report on behalf of Nestle USA, Inc. The report documents the work performed for the three month period of December, 1993 through February, 1994 at the Carnation site referenced above. **Park** anticipates performing groundwater sampling activities during the week of May 31, 1994 for the time period of March, April and May, 1994.

Please call **Park's** Rocklin office at 916/652-3861 if you have any questions concerning this transmittal.

Sincerely,
Park Environmental Corporation

A handwritten signature in black ink, appearing to read "Peter Frank".

Peter Frank, R.E.A.
Project Geologist

PF:laa

cc: Mr. Binayak Acharya
Nestle USA, Inc.
800 Brand Boulevard
Glendale, CA 91203

Mr. Richard Hiatt
CRWQCB
2101 Webster Street, Suite 500
Oakland, CA 94612

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1.0 INTRODUCTION

Nestle USA, Inc., (Nestle) has retained Park Environmental Corporation (**Park**) to provide environmental services at the former Carnation facility in Oakland, California. A site location map and plot plan are included as Figures 1 and 2 in Appendix A. Nestle has authorized **Park** to prepare this Quarterly Groundwater Monitoring Report, which includes brief groundwater sampling methodology and findings sections.

The Alameda County Health Agency (ACHA) is the lead environmental agency. This work was requested by Ms. Susan Hugo and Ms. Jennifer Eberle with the ACHA in accordance with the meeting between ACHA, Mr. Richard Hiatt of the California Regional Water Quality Control Board, Mr. Walter Carey with Nestle, USA, and Mr. Richard Zipp with **Park**, on September 17, 1992. This site is referenced by the ACHA as 1310 14th Street.

1.1 Scope of Services

Specific tasks completed during this investigation included the following:

- Measure depth to water and/or free product thicknesses in 61 monitoring wells;
- Calculate groundwater flow direction in the vicinity of the free product plume and in the vicinity of the property boundaries;
- Purge, sample and analyze ten monitoring wells (MW-2, MW-3, MW-6, MW-25, MW-26, MW-27, MW-28, MW-29, MW-30 and MW-32) for total petroleum hydrocarbons as gasoline and diesel, benzene, toluene, ethylbenzene, and total xylenes (BTEX) and two samples (MW-26 and MW-32) for chlorinated volatile organic compounds using EPA Method 8015, 8020 and 601, respectively. In addition to the above mentioned analyses, modified EPA 8015 for gasoline tests were performed on an equipment blank and field duplicate sample for QA/QC purposes; and
- Prepare this Quarterly Monitoring Report documenting the findings.

2.0 GROUNDWATER MONITORING WELL SAMPLING METHODOLOGY

2.1 Groundwater Measurements

Prior to obtaining depth to groundwater measurements in the sampled wells, the wells were checked for the presence of free product utilizing a new disposable bailer for each well. Depth to groundwater measurements in the sampled wells and unsampled wells were made using a YSI model 3000 T-L-C Meter or Slope Indicator. Free product thicknesses were measured using a Free Product Interface Probe (manufactured by MMC). The depths to water or product were measured from the top of the well casing. Groundwater elevations were calculated using

measurements from surveyed monitoring wells not containing free product. Results of these measurements are included in Table I in Appendix B. Groundwater measurements taken during the October, 1992, March 23, 1993, July 27, 1993 and November 4, 1993 groundwater sampling episodes are presented in Tables II, III, IV and V in Appendix B.

2.2 Monitoring Well Purging

Each monitoring well was purged with a submersible pump until at least three well volumes of water had been removed. All of the wells which were purged and sampled were constructed of 4-inch diameter PVC well casing (except MW-6 which is 2-inch in diameter). All purging and sampling equipment was washed in a solution of trisodium phosphate and rinsed in distilled water prior to each usage to reduce the potential for cross contamination between wells.

As groundwater was removed from the wells, pH, temperature and conductivity were monitored and recorded on a field data sheet. These field documents are kept in a permanent project file. A summary of the data obtained during the purging of the wells is presented in Table VI in Appendix B.

The wells were allowed to stand for a period of time to regain equilibrium prior to sampling. Groundwater purged from the wells was placed in DOT-approved 55 gallon drums, pending receipt of analytical results to select the appropriate disposition.

2.3 Groundwater Analyses

Analyses of the groundwater were performed by a California certified laboratory in accordance with State guidelines and EPA protocols. Groundwater samples from the ten monitoring wells were analyzed for TPH as gasoline and diesel and BTEX using EPA methods 8015 and 8020, respectively. The ten wells sampled were MW-2, MW-3, MW-6, MW-25, MW-26, MW-27, MW-28, MW-29, MW-30 and MW-32. In addition, groundwater from monitoring wells MW-26 and MW-32 was analyzed for chlorinated volatile organics using EPA method 601.

2.4 Groundwater Sampling

Proper sampling collection and handling are essential to assure the quality of the data obtained from the given sample. Each groundwater sample therefore was collected using a new sterile disposable bailer. The sampled water was placed in laboratory prepared 40 millimeter glass containers. The sample containers were filled with water to the top to expel air space and were sealed with teflon-lined caps. Water sample containers were labeled with the name of the sampler, the date, the job number, the preservative, and an identifying well number. The samples were then transported to Sierra Laboratories, in Anaheim, California. Full chain of custody protocol was followed during sample handling and delivery.

3.0 FINDINGS

3.1 Groundwater Conditions

3.1.1 Groundwater Flow Direction and Hydraulic Gradient

Groundwater monitoring wells containing free product were not used for the calculations of groundwater flow direction or hydraulic gradient. Groundwater measurements taken by Park on February 24, 1994 indicate that groundwater flow beneath the site continues to be to the north-northeast, which is consistent with the previous measurements. The hydraulic gradient was calculated to be approximately 0.0028 or 0.28 feet per 100 feet beneath the site. Figure 3 in Appendix A shows graphically the flow direction of the groundwater. The measurements taken during this sampling episode show the groundwater elevation at about 5.77 feet above mean sea level (msl), which is in agreement with the previous sampling events. All data, pertaining to groundwater measurements, is summarized in Tables I, II, III, IV and V in Appendix B.

3.1.2 Occurrence of Free Product

Free product was identified in 33 of the 61 monitoring wells that Park monitored for this investigation. The thickness of free product ranged from 0.02 feet to 12.10 feet, with an average thickness of 1.85 feet in the measured wells. It is believed that the thickness of free product has been influenced by both the operation of an the on site vapor extraction system and by the seasonal fluctuation of groundwater.

The vapor extraction system operated for 21 days between the November 5, 1993 sampling event and the February 24, 1994 sampling event. During the extraction process, free product may migrate in the subsurface to an area where vacuum is being applied, thus creating an apparent increase in the free product thickness in the wells.

The seasonal rise and fall of groundwater may have an effect on the thickness of free product. As groundwater rises into the vadose zone, petroleum hydrocarbons trapped in the pore spaces of the soil are released to the top of the surface of the rising water, creating an apparent increase in free product thickness. Conversely, as the water level decreases, the free product recoats the soil in the vadose zone causing an apparent decrease in the thickness of free product. This cyclic pattern of thinning and thickening of free product is displayed on Chart I in Appendix C. Free product thicknesses from the last sampling date are summarized in Table I, II, III, IV and V.

3.1.3 Results of Laboratory Analyses

Laboratory test results of groundwater samples collected on February 24, 1994 for this investigation as well as previous quarterly sampling events are summarized in Table VII, in Appendix B. Results are also presented graphically on Figure 5 in Appendix A. Laboratory reports and chain of custody documents are included as Appendix D.

4.0 LIMITATIONS


The monitoring services performed by **Park** were performed in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions.

The findings presented in this report are based on present conditions and past written and/or oral information provided by regulatory agencies or Nestle USA. **Park** will not be responsible for any use by or interpretation or subsequent damages by any third party. Conditional changes may occur through time by natural or man-made processes on this or adjacent properties.

5.0 SIGNATURES

This report was prepared by:

Park Environmental Corporation

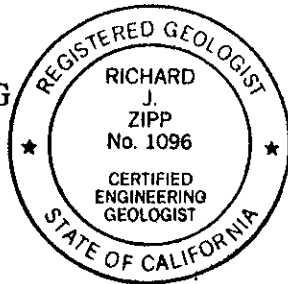


Peter Frank, R.E.A.
Project Geologist

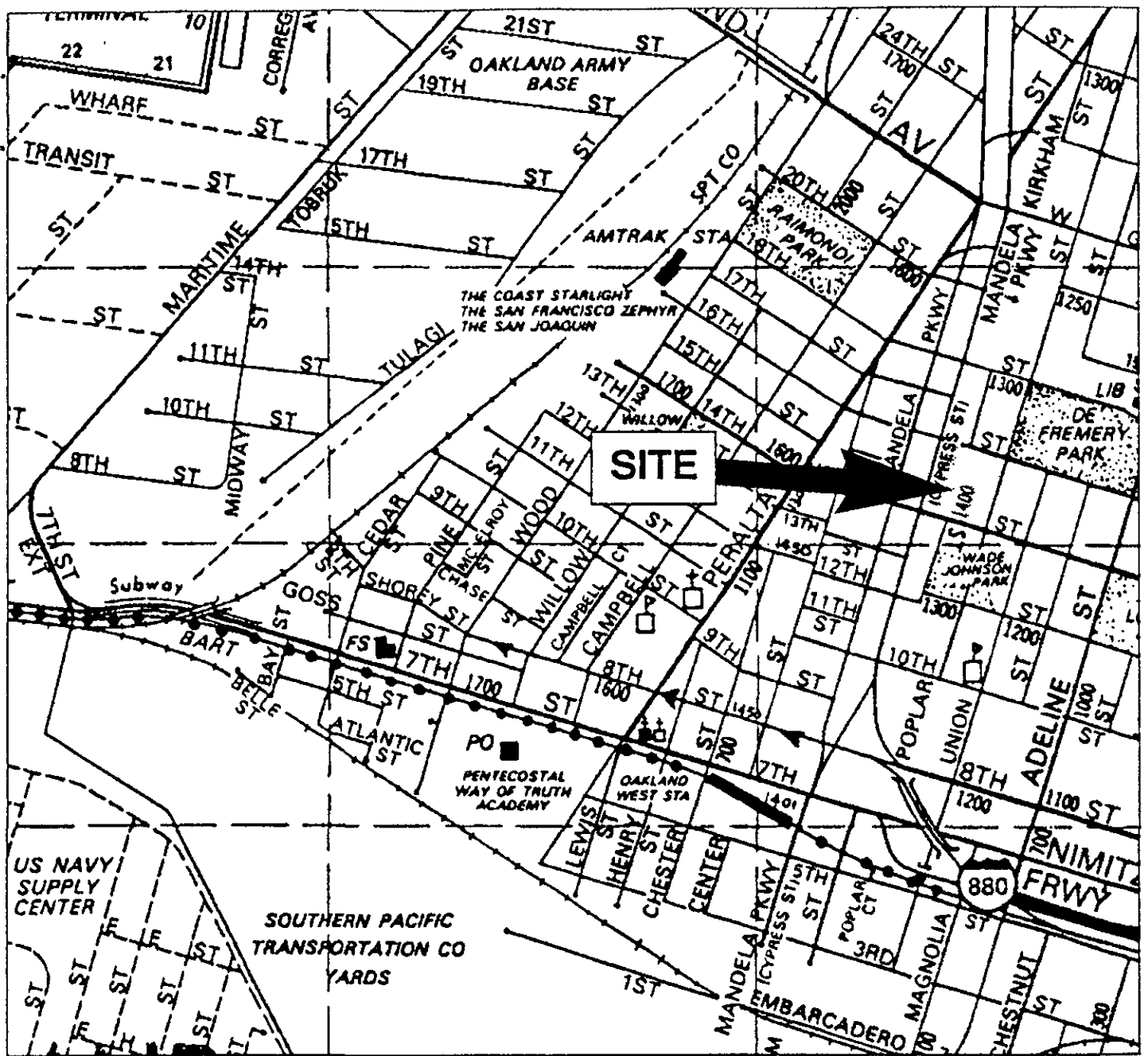
This report was reviewed for technical content by:



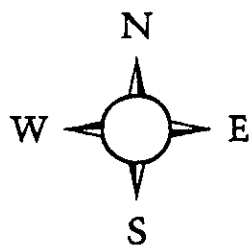
Richard J. Zipp R.G., C.E.G.
Principal Hydrogeologist



PF:laa



REFERENCE 1982, ALAMEDA COUNTY, THOMAS GUIDE MAP, PAGE 7

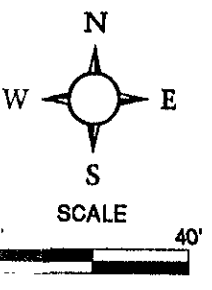
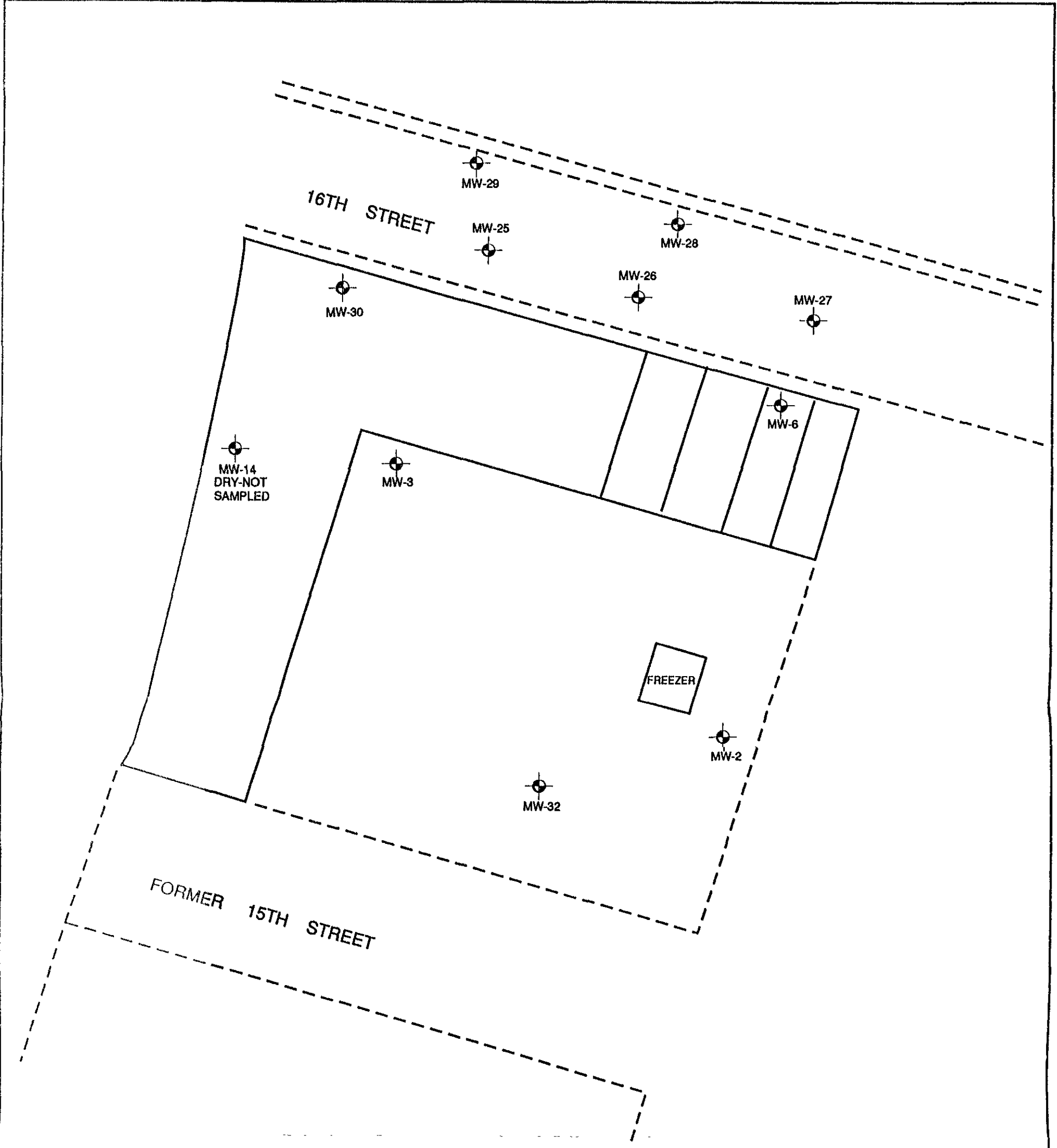


SITE LOCATION MAP
NESTLE/CARNATION COMPANY
 1310 14TH STREET
 OAKLAND, CALIFORNIA
 PROJECT # 5008

SCALE: 1 INCH EQUALS
 APPROXIMATELY 1,200 FEET



FIGURE 1

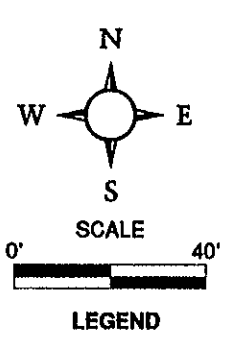
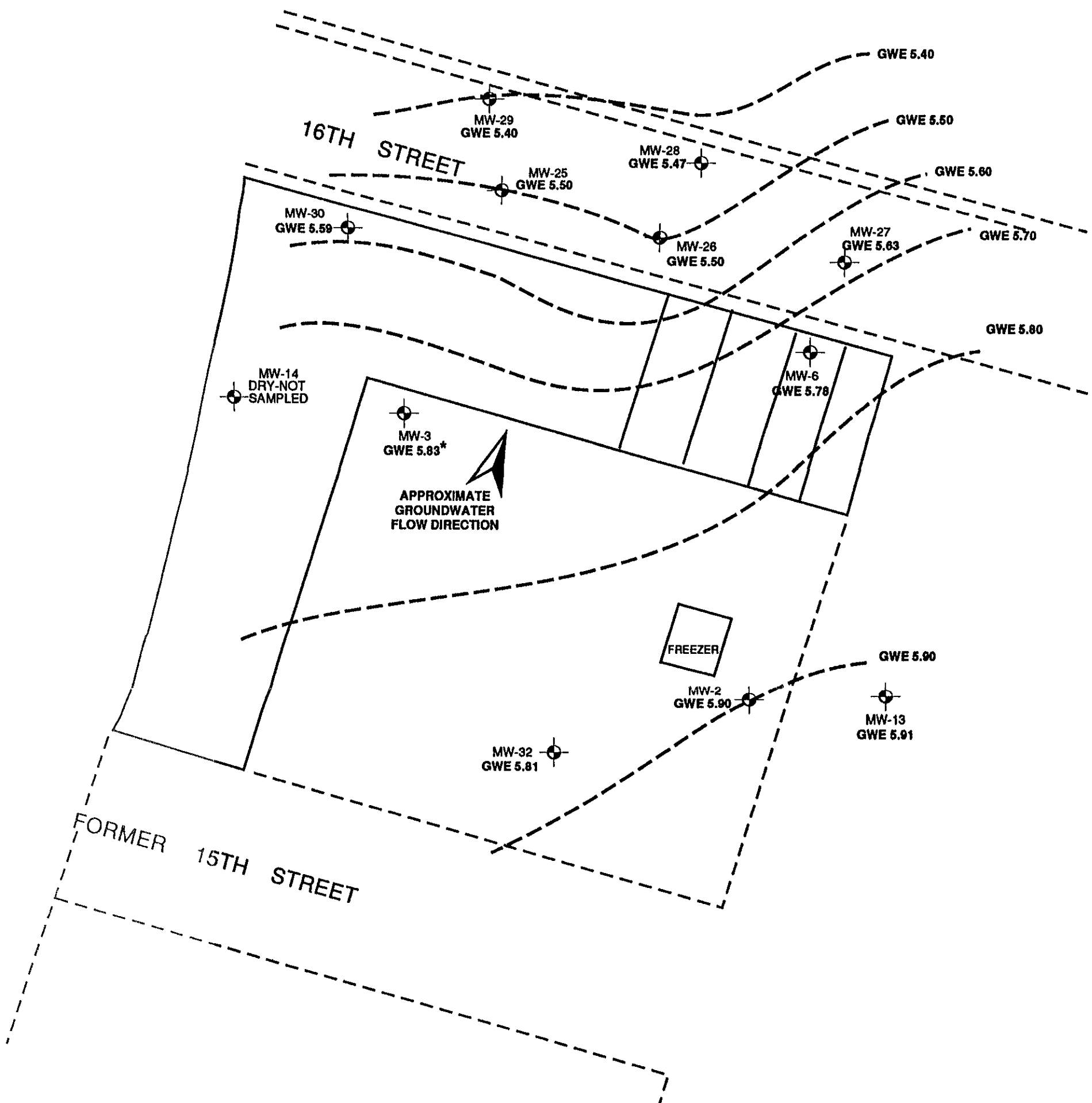




LEGEND
 ⦿ GROUNDWATER MONITORING WELLS
 SAMPLED FEBRUARY 24, 1994.
 ADDITIONAL WELLS EXIST ON SITE

**SITE PLOT PLAN
 SHOWING GROUNDWATER
 MONITORING WELLS
 SAMPLED FEBRUARY 24, 1994
 CARNATION COMPANY
 1310 14TH STREET
 OAKLAND, CALIFORNIA
 PROJECT # 5008-J12
 5008-J12-1**

FIGURE 2



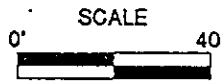
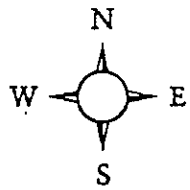


- LEGEND**
-  GROUNDWATER MONITORING WELLS NOT CONTAINING FREE PRODUCT
 - * NOT USED IN GROUNDWATER FLOW CALCULATIONS DUE TO PROXIMITY TO FREE PRODUCT PLUME
 - GWE GROUNDWATER ELEVATION
 -  INFERRED LINE OF EQUAL GROUNDWATER ELEVATION





GROUNDWATER ELEVATION AND FLOW DIRECTION MAP
FEBRUARY 24, 1994
 CARNATION COMPANY
 1310 14TH STREET
 OAKLAND, CALIFORNIA
 PROJECT # 5008-J3
 5008-J3-4



FIGURE 3



LEGEND

-  FREE PRODUCT THICKNESS LESS THAN 3 FEET
 -  FREE PRODUCT THICKNESS GREATER THAN 3 FEET
 -  GROUNDWATER MONITORING WELLS
 -  2 INCH WELLS INSTALLED BY PREVIOUS CONSULTANTS FOR PRODUCT RECOVERY
- NOTE: ADDITIONAL WELLS EXIST ON SITE

OCCURRENCE OF FREE PRODUCT
FEBRUARY 24, 1994
CARNATION COMPANY
1310 14TH STREET
OAKLAND, CALIFORNIA
PROJECT # 5008-J12
5008-J12-5A

VAPOR EXTRACTION SYSTEM OPERATING
FROM 1/1/94 TO 1/6/94 AND 2/9/94 TO 2/24/94

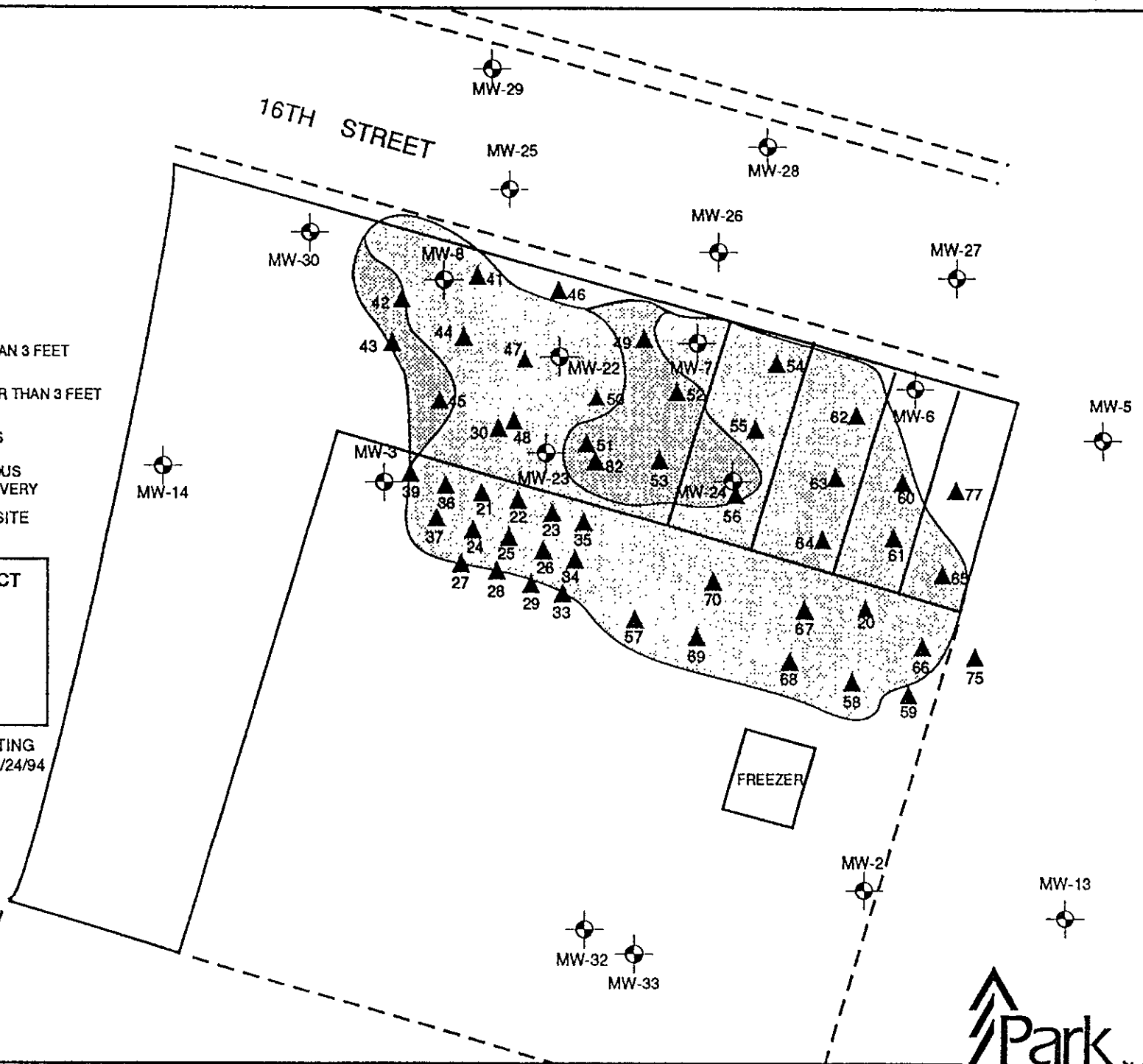
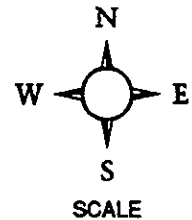




FIGURE 4



LEGEND

-  FREE PRODUCT AREA
-  GROUNDWATER MONITORING WELLS

ALL CONCENTRATIONS ARE IN PARTS PER BILLION

TPHg - TOTAL PETROLEUM HYDROCARBONS
AS GASOLINE

TPHd - TOTAL PETROLEUM HYDROCARBONS
AS DIESEL

N.D. - NOT DETECTED AT LISTED DETECTION
LIMIT (SEE APPENDIX D)

ppb - PARTS PER BILLION

N/A - NOT ANALYZED

NOTE: ADDITIONAL WELLS EXIST ON SITE

VAPOR EXTRACTION SYSTEM
OPERATING FROM 1/1/94 TO 1/6/94
AND 2/9/94 TO 2/24/94

**DISSOLVED CHEMICAL CONSTITUENTS
IN SAMPLED WELLS
FEBRUARY 24, 1994
CARNATION COMPANY
1310 14TH STREET
OAKLAND, CALIFORNIA
PROJECT # 5008-J12
5008-J12-6A**

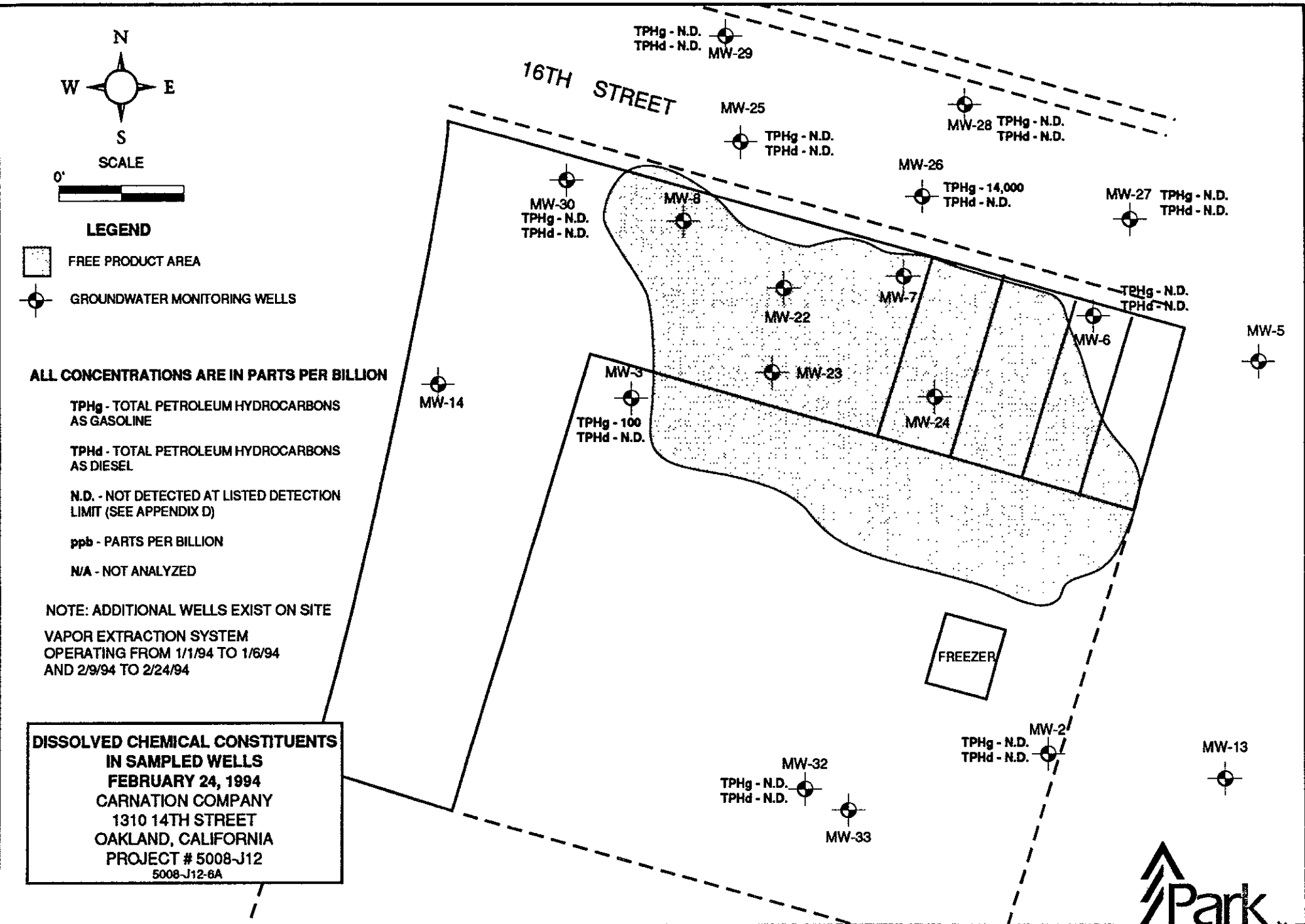


FIGURE 5

TABLE I
GROUNDWATER MEASUREMENTS
FEBRUARY 24, 1994

Well No.	Depth to Product (FT)(TOC)	Depth to Water (FT)(TOC)	Casing Elevation (FT)	Product Thickness (FT)	Well Diameter (IN)	GWE (FT)
MW-1	-	10.41	16.49	-	4	6.08
MW-2	-	9.21	15.11	-	4	5.90
MW-3*	-	8.47	14.30	-	4	5.83
MW-4	-	8.09	14.42	-	4	6.33
MW-5	-	8.08	14.41	-	4	6.33
MW-6	-	8.34	14.12	-	2	5.78
MW-7	8.64	9.78	14.29	1.14	4	NC
MW-8	8.55	8.99	14.20	.44	2	NC
MW-10	-	9.59	15.73	-	4	6.14
MW-13	-	8.94	14.85	-	4	5.91
MW-14	-	No Water	14.10	-	4	-
MW-22	8.59	10.13	14.44	1.54	2	NC
MW-23	8.87	8.94	-	.07	2	NC
MW-24	8.95	-	14.67	12.10	2	NC
MW-25*	-	7.36	12.86	-	4	5.50
MW-26*	-	7.21	12.71	-	4	5.50
MW-27*	-	8.41	14.04	-	4	5.63
MW-28*	-	7.98	13.45	-	4	5.47
MW-29*	-	7.20	12.60	-	4	5.40
MW-30*	-	8.95	14.54	-	4	5.59
MW-32*	-	8.95	14.76	-	4	5.81
PR-20	8.20	9.35	14.36	1.15	2	NC
PR-22	8.09	9.52	14.43	1.43	2	NC

TABLE I continued
GROUNDWATER MEASUREMENTS
FEBRUARY 24, 1994

Well No.	Depth to Product (FT) (TOC)	Depth to Water (FT) (TOC)	Casing Elevation (FT)	Product Thickness (FT)	Well Diameter (IN)	GWE (FT)
PR-23	8.40	8.76	14.47	0.36	2	NC
PR-26	8.51	9.05	14.38	0.54	2	NC
PR-27	-	8.36	-	-	2	-
PR-28	-	8.35	-	-	2	-
PR-33	-	8.32	14.36	-	2	6.04
PR-34	8.37	9.54	14.49	1.17	2	NC
PR-35	8.37	9.63	14.55	1.26	2	NC
PR-36	8.35	9.48	-	1.13	2	NC
PR-37	8.19	9.48	-	1.29	2	NC
PR-38	-	8.75	14.47	-	2	5.72
PR-41	7.72	8.25	-	0.53	2	NC
PR-42	-	8.65	-	-	2	-
PR-43	-	8.99	-	-	2	-
PR-44	8.83	9.05	-	0.22	2	NC
PR-45	9.13	14.40	-	5.27	2	NC
PR-46	-	8.93	-	-	2	-
PR-47	8.89	9.30	-	0.41	2	NC
PR-48	8.93	9.13	-	0.20	2	NC
PR-49	8.81	12.05	-	3.24	2	NC
PR-50	8.73	10.31	-	1.58	2	NC
PR-51	8.03	-	-	6.57	2	NC
PR-52	8.96	14.05	-	5.09	2	NC
PR-53	8.73	11.74	-	3.01	2	NC
PR-54	8.72	9.71	-	0.99	2	NC
PR-55	9.17	9.24	-	0.7	2	NC
PR-56	8.81	10.11	-	1.30	2	NC

TABLE I continued
GROUNDWATER MEASUREMENTS
FEBRUARY 24, 1994

Well No.	Depth to Product (FT) (TOC)	Depth to Water (FT) (TOC)	Casing Elevation (FT)	Product Thickness (FT)	Well Diameter (IN)	GWE (FT)
PR-57	7.72	14.12	-	6.40	2	NC
PR-58	8.34	9.19	-	0.85	2	NC
PR-59	-	8.39	-	-	2	-
PR-60	-	9.21	-	-	2	-
PR-61	8.75	9.14	-	0.39	2	NC
PR-64	8.94	9.05	-	0.11	2	NC
PR-65	8.25	8.27	-	.02	2	NC
PR-66	-	8.28	-	-	2	-
PR-67	8.24	8.89	-	0.65	2	NC
PR-75	-	9.03	-	-	2	-
PR-77	-	8.57	-	-	2	-
V-90	-	9.70	-	1.41	4	-

TOC - Top of Casing
 GWE - Groundwater Elevation
 * - Groundwater Samples Obtained for this Investigation
 NC - Not Calculated

Interface Probe
 Keck Model
 KIR-89

**TABLE II
GROUNDWATER DATA
NOVEMBER 4, 1993**

Well No.	Depth to Product (FT)(TOC)	Depth to Water (FT)(TOC)	Casing Elevation (FT)	Product Thickness (FT)	Well Diameter (IN)	GWE (FT)
MW-1	-	11.73	16.49	-	4	4.76
MW-3*	-	9.93	14.30	-	4	4.37
MW-4	-	8.28	14.42	-	4	-
MW-5	-	9.99	14.41	-	4	4.42
MW-6	-	9.72	14.12	-	2	4.40
MW-7	9.76	10.55	14.29	0.79	4	NC
MW-8	9.87	10.29	14.20	0.42	2	NC
MW-9	-	10.29	-	-	4	-
MW-10	-	9.65	15.73	-	4	6.08
MW-11	-	9.92	14.55	-	4	4.63
MW-13	-	10.24	14.85	-	4	4.61
MW-14	-	No Water	14.10	-	4	-
MW-22	9.82	11.65	14.44	1.83	2	NC
MW-23	9.89	11.10	-	1.21	2	NC
MW-24	9.90	11.67	14.67	1.77	2	NC
MW-25*	-	8.54	12.86	-	4	4.32
MW-26*	-	8.40	12.71	-	4	4.31
MW-27*	-	9.72	14.04	-	4	4.32
MW-28*	-	9.23	13.45	-	4	4.22
MW-29*	-	8.37	12.60	-	4	4.23
MW-30*	-	10.31	14.54	-	4	4.23
MW-32*	-	10.17	14.76	-	4	4.59
PR-10	-	-	-	-	2	-
PR-20	9.44	10.35	14.36	0.91	2	NC
PR-21	9.87	10.50	14.37	0.63	2	NC
PR-22	9.38	10.36	14.43	0.98	2	NC

TABLE II continued
GROUNDWATER MEASUREMENTS
NOVEMBER 4, 1993

Well No.	Depth to Product (FT)(TOC)	Depth to Water (FT)(TOC)	Casing Elevation (FT)	Product Thickness (FT)	Well Diameter (IN)	GWE (FT)
PR-23	9.51	10.18	14.47	0.67	2	NC
PR-24	-	9.93	-	-	-	-
PR-26	9.69	10.29	14.38	0.60	2	NC
PR-27	-	9.79	-	-	2	-
PR-28	-	9.76	-	-	2	-
PR-33	-	9.76	14.36	-	2	4.60
PR-34	9.79	10.45	14.49	0.66	2	NC
PR-35	9.77	10.39	14.55	0.62	2	NC
PR-37	9.71	10.12	-	0.41	-	NC
PR-39	-	10.04	-	-	-	-
PR-41	10.21	10.80	-	0.59	2	NC
PR-42	-	10.33	-	-	-	-
PR-43	-	10.33	-	-	-	-
PR-44	10.27	10.51	-	0.24	2	NC
PR-45	10.09	10.26	-	0.17	2	NC
PR-46	-	10.71	-	-	2	-
PR-47	9.98	10.73	-	0.75	2	NC
PR-48	9.95	11.07	-	1.12	2	NC
PR-49	-	10.20	-	-	2	-
PR-50	9.76	10.84	-	1.08	2	NC
PR-52	9.92	10.93	-	1.01	2	NC
PR-53	9.68	10.83	-	1.15	2	NC
PR-54	9.68	10.65	-	0.97	2	NC
PR-55	9.61	11.09	-	1.48	2	NC
PR-56	9.77	10.67	-	0.90	2	NC
PR-57	-	-	-	-	2	-
PR-58	9.50	10.46	-	0.96	2	-
PR-59	-	9.67	-	-	2	-

TABLE II continued
GROUNDWATER DATA
NOVEMBER 4, 1993

Well No.	Depth to Product (FT)(TOC)	Depth to Water (FT)(TOC)	Casing Elevation (FT)	Product Thickness (FT)	Well Diameter (IN)	GWE (FT)
PR-60	-	10.28	-	-	2	-
PR-61	10.08	10.33	-	0.25	2	NC
PR-62	10.11	10.15	-	0.04	2	NC
PR-64	9.82	11.31	-	1.49	2	NC
PR-65	10.01	10.05	-	0.04	2	NC
PR-66	-	9.78	-	-	2	-
PR-67	9.44	10.49	-	1.05	2	NC
PR-68	-	9.88	-	-	2	-
PR-69	-	9.20	-	-	2	-
PR-70	-	-	-	-	2	-
PR-74	-	-	-	-	2	-
PR-75	-	-	-	-	2	-
PR-76	-	10.16	-	-	2	-
PR-77	-	9.85	-	-	2	-
V-89	-	-	-	-	4	-
V-90	-	-	-	-	4	-

TOC - Top of Casing

GWE - Groundwater Elevation

* - Groundwater Samples Obtained for this Investigation

NC - Not Calculated

**TABLE III
GROUNDWATER MEASUREMENTS
JULY 26 AND 27, 1993**

Well No.	Depth to Product (FT) (TOC)	Depth to Water (FT) (TOC)	Casing Elevation (FT)	Product Thickness (FT)	Well Diameter (IN)	GWE (FT)
MW-1	-	10.54	16.49	-	4	5.95
MW-2*	-	9.55	15.11	-	4	5.56
MW-3*	-	8.96	14.3	-	4	5.34
MW-4	-	-	14.42	-	4	-
MW-5*	-	9.02	14.41	-	4	5.39
MW-6*	-	8.78	14.12	-	2	5.34
MW-7	8.62	10.35	14.29	1.73	4	NC
MW-8	8.93	9.43	14.2	0.5	2	NC
MW-10	-	9.57	15.73	-	4	6.16
MW-11	-	8.83	14.55	-	4	5.72
MW-13*	-	9.23	14.85	-	4	5.62
MW-14	-	No Water	14.1	-	4	-
MW-22	8.75	11.33	14.44	2.58	2	NC
MW-24	8.78	11.16	14.67	2.38	2	NC
MW-25*	-	7.69	12.86	-	4	5.17
MW-26*	-	7.45	12.71	-	4	5.26
MW-27*	-	8.75	14.04	-	4	5.29
MW-28*	-	8.27	13.45	-	4	5.18
MW-29*	-	7.5	12.6	-	4	5.10
MW-30*	-	8.39	14.54	-	4	5.15
MW-32*	-	9.15	14.76	-	4	5.61
PR-20	8.32	10.01	14.36	1.69	2	NC
PR-21	8.71	10.29	14.37	1.58	2	NC
PR-22	8.58	10.17	14.43	1.59	2	NC
PR-23	8.28	10.12	14.47	1.84	2	NC

TABLE III continued
GROUNDWATER MEASUREMENTS
JULY 26 AND 27, 1993

Well No.	Depth to Product (FT) (TOC)	Depth to Water (FT) (TOC)	Casing Elevation (FT)	Product Thickness (FT)	Well Diameter (IN)	GWE (FT)
PR-26	8.41	10.21	14.38	1.80	2	NC
PR-27	-	8.78	-	-	2	-
PR-28	-	8.67	-	-	2	-
PR-33	-	8.69	14.36	-	2	5.67
PR-34	8.51	10.23	14.49	1.72	2	NC
PR-35	8.56	10.27	14.55	1.71	2	NC
PR-36	8.58	10.17	-	1.59	2	NC
PR-37	8.50	9.91	-	1.41	2	NC
PR-41	9.04	9.12	-	0.08	2	NC
PR-43	-	9.36	-	-	-	-
PR-44	9.27	9.66	-	0.39	2	NC
PR-45	9.11	9.46	-	0.35	2	NC
PR-46	-	9.28	-	-	2	-
PR-47	8.38	8.60	-	0.22	2	NC
PR-48	8.85	10.71	-	1.86	2	NC
PR-49	-	9.20	-	-	2	-
PR-50	8.82	9.85	-	1.03	2	NC
PR-52	8.88	10.25	-	1.37	2	NC
PR-53	8.61	10.42	-	1.81	2	NC
PR-54	8.63	9.83	-	1.20	2	NC
PR-55	8.35	10.75	-	2.40	2	NC
PR-56	8.79	10.44	-	1.65	2	NC
PR-58	8.33	10.21	-	1.88	2	NC
PR-59	-	8.52	-	-	2	-
PR-61	9.08	9.57	-	0.49	2	NC

TABLE III continued
GROUNDWATER MEASUREMENTS
JULY 26 AND 27, 1993

Well No.	Depth to Product (FT) (TOC)	Depth to Water (FT) (TOC)	Casing Elevation (FT)	Product Thickness (FT)	Well Diameter (IN)	GWE (FT)
PR-62	9.16	9.49	-	0.33	2	NC
PR-64	8.72	10.73	-	2.01	2	NC
PR-65	9.00	9.35	-	0.35	2	NC
PR-66	-	8.68	-	-	2	-
PR-67	8.54	9.46	-	0.92	2	NC
PR-68	-	8.80	-	-	2	-
PR-69	-	8.49	-	-	2	-
PR-70	8.67	10.79	-	2.12	2	NC
PR-74	-	8.86	-	-	2	-
PR-76	-	9.14	-	-	2	-
PR-77	-	8.82	-	-	2	-

TOC - Top of Casing
 GWE - Groundwater Elevation
 * - Groundwater Samples Obtained for this Investigation
 NC - Not Calculated

**TABLE IV
GROUNDWATER MEASUREMENTS
MARCH 18 AND 19, 1994**

Well No.	Depth to Product (FT) (TOC)	Depth to Water (FT) (TOC)	Casing Elevation (FT)	Product Thickness (FT)	Well Diameter (IN)	GWE (FT)
MW-1	-	8.51	16.49	-	4	7.98
MW-2	-	7.47	15.11	-	4	7.64
MW-3*	-	7.23	14.30	-	4	7.07
MW-4	-	7.00	14.42	-	4	7.42
MW-5	-	7.14	14.41	-	4	7.27
MW-6	-	7.04	14.12	-	2	7.08
MW-7	6.56	9.38	14.29	2.82	4	NC
MW-8	7.34	7.64	14.20	0.30	2	NC
MW-10	-	-	15.73	-	4	-
MW-11	-	6.95	14.55	-	4	7.60
MW-12	-	7.62	15.28	-	4	7.66
MW-13	-	8.62	14.82	-	4	7.47
MW-14	-	No Water	14.10	-	4	-
MW-22	6.98	-	14.44	>3.0	2	NC
MW-23	7.04	8.44	-	1.40	4	NC
MW-24	7.45	-	14.67	>3.0	2	NC
MW-25*	-	6.14	12.86	-	4	6.72
MW-26*	-	5.83	12.71	-	4	6.88
MW-27*	-	7.23	14.04	-	4	6.81
MW-28*	-	6.65	13.45	-	4	6.80
MW-29*	-	5.82	12.60	-	4	6.78
MW-30*	-	7.79	14.54	-	4	6.75
MW-32*	-	7.25	14.76	-	4	7.51
PR-20	6.28	9.69	14.36	3.41	2	NC
PR-21	6.60	9.36	14.37	2.76	2	NC

TABLE IV continued
GROUNDWATER MEASUREMENTS
MARCH 18 AND 19, 1994

Well No.	Depth to Product (FT) (TOC)	Depth to Water (FT) (TOC)	Casing Elevation (FT)	Product Thickness (FT)	Well Diameter (IN)	GWE (FT)
PR-22	6.5	-	14.43	>3.0	2	NC
PR-23	6.72	7.78	14.47	1.06	2	NC
PR-26	6.54	8.59	14.38	2.05	2	NC
PR-27	-	7.08	-	-	2	-
PR-28	-	6.92	-	-	2	-
PR-33	-	6.81	14.36	-	2	7.55
PR-34	6.2	9.01	14.49	2.81	2	NC
PR-35	6.56	-	14.55	>3.0	2	NC
PR-36	6.83	8.26	-	1.43	2	NC
PR-37	6.05	8.4	-	2.35	2	NC
PR-38	-	7.32	14.47	-	2	7.15
PR-41	7.21	7.63	-	0.42	2	NC
PR-43	-	7.69	-	-	-	-
PR-44	7.72	7.91	-	0.19	2	NC
PR-45	7.49	7.59	-	0.1	2	NC
PR-46	-	7.63	-	-	2	-
PR-47	7.5	7.5	-	SHEEN	2	NC
PR-48	6.73	-	-	>3.0	2	NC
PR-49	-	7.35	-	-	2	-
PR-50	7.13	8.02	-	0.89	2	NC
PR-51	6.67	-	-	>3.0	2	NC
PR-52	7.17	8.33	-	1.16	2	NC
PR-53	6.49	-	-	>3.0	2	NC
PR-54	6.96	8.16	-	1.2	2	NC
PR-55	7.03	8.34	-	1.31	2	NC

TABLE IV continued
GROUNDWATER MEASUREMENTS
MARCH 18 AND 19, 1994

Well No.	Depth to Product (FT) (TOC)	Depth to Water (FT) (TOC)	Casing Elevation (FT)	Product Thickness (FT)	Well Diameter (IN)	GWE (FT)
PR-61	7.28	7.63	-	0.5	2	NC
PR-62	7.38	7.45	-	0.07	2	NC
PR-64	6.43	-	-	>3.0	2	NC
PR-65	6.89	6.98	-	0.09	2	NC
PR-66	-	6.77	-	-	2	-
PR-67	6.95	7.76	-	0.81	2	NC
PR-68	-	6.84	-	-	2	-
PR-69	-	5.92	-	-	2	-
PR-70	6.43	8.02	-	1.59	2	NC
PR-76	-	7.74	-	-	2	-
PR-77	-	7.52	-	-	2	-

TOC - Top of Casing
 GWE - Groundwater Elevation
 * - Groundwater Samples Obtained for this Investigation
 NC - Not Calculated

**TABLE V
GROUNDWATER MEASUREMENTS
OCTOBER 20, 1992**

Well No.	Depth to Product (FT) (TOC)	Depth to Water (FT) (TOC)	Casing Elevation (FT)	Product Thickness (FT)	Well Diameter (IN)	GWE (FT)
MW-1	-	12060	16.49	-	4	3.89
MW-3*	-	10.23	14.3	-	4	4.07
MW-4	-	No Water	14.42	-	4	2
MW-5	-	10.39	14.41	-	4	4.02
MW-6	-	10.13	14.12	-	2	3.99
MW-7	10.17	10.84	14.29	0.67	4	NC
MW-8	10.17	10.63	14.2	0.46	2	NC
MW-10	-	11.25	15.73	-	4	4.48
MW-13	-	10.62	14.85	-	4	4.23
MW-14	-	No Water	14.1	-	4	-
MW-22	9.97	12.77	14.44	2.8	2	NC
MW-24	10.2	12.24	14.67	2.04	2	NC
MW-25*	-	8.93	12.86	-	4	3.93
MW-26*	-	8.77	12.71	-	4	3.94
MW-27*	-	10.06	14.04	-	4	3.98
MW-28*	-	9.53	13.45	-	4	3.92
MW-29*	-	8.75	12.6	-	4	3.85
MW-30*	-	10.61	14.54	-	4	3.93
MW-32*	-	10.53	14.76	-	4	4.23
PR-10	-	10.06	-	-	2	-
PR-21	10.1	11.04	14.37	0.94	2	NC
PR-22	10.05	10.75	14.43	0.7	2	NC
PR-23	9.85	10.56	14.47	0.71	2	NC
PR-26	10.01	10.81	14.38	0.8	2	NC
PR-27	-	10.16	-	-	2	-

TABLE V continued
GROUNDWATER MEASUREMENTS
OCTOBER 20, 1992

Well No.	Depth to Product (FT) (TOC)	Depth to Water (FT) (TOC)	Casing Elevation (FT)	Product Thickness (FT)	Well Diameter (IN)	GWE (FT)
PR-28	-	10.02	-	-	2	-
PR-33	-	10.01	14.36	-	2	4.35
PR-34	10.1	10.8	14.49	0.7	2	NC
PR-35	10.11	10.71	14.55	0.6	2	NC
PR-38	-	10.5	14.47	-	2	3.97
PR-41	10.51	11.19	-	0.68	2	NC
PR-43	-	10.7	-	-	2	-
PR-44	10.5	11.12	-	0.62	2	NC
PR-45	10.41	10.7	-	0.29	2	NC
PR-46	-	10.61	-	-	2	-
PR-47	10.07	12.52	-	2.45	2	NC
PR-48	10.3	11.5	-	1.2	2	NC
PR-49	-	10.56	-	-	2	-
PR-50	10.03	11.68	-	1.6	2	NC
PR-52	10.23	11.52	-	1.29	2	NC
PR-53	10.02	11.31	-	1.29	2	NC
PR-54	10.04	10.83	-	0.79	2	NC
PR-55	9.97	11.83	-	1.86	2	NC
PR-56	10.12	11.29	-	1.17	2	NC
PR-57	-	9.81	-	-	2	-
PR-58	9.92	11.02	-	1.1	2	NC
PR-59	-	9.96	-	-	2	-
PR-60	-	10.64	-	-	2	-
PR-61	10.44	10.78	-	0.34	2	NC
PR-62	10.37	10.89	-	0.52	2	NC
PR-64	10.17	11.65	-	1.51	2	NC

TABLE V continued
GROUNDWATER MEASUREMENTS
OCTOBER 20, 1992

Well No.	Depth to Product (FT) (TOC)	Depth to Water (FT) (TOC)	Casing Elevation (FT)	Product Thickness (FT)	Well Diameter (IN)	GWE (FT)
PR-65	-	10.55	-	SHEEN	2	-
PR-66	-	10.05	-	-	2	-
PR-68	-	10.22	-	-	2	-
PR-69	-	9.93	-	-	2	-
PR-70	10.08	10.37	-	0.29	2	NC
PR-74	-	10.3	-	-	2	-
PR-75	-	10.36	-	-	2	-
PR-76	-	10.58	-	-	2	-
PR-77	-	10.11	-	-	2	-
V-89	-	9.7	-	-	4	-
V-90	-	9.7	-	-	4	-

TOC - Top of Casing
GWE - Groundwater Elevation
* - Groundwater Samples Obtained for this Investigation
NC - Not Calculated

**TABLE VI
GROUNDWATER PURGING DATA
FEBRUARY 25, 1994**

Well Number	Total Gallons Removed	pH	Specific Conductance x 1000	Temperature in Fahrenheit
MW-2-P	5	7.4	.70	63.9
	10	7.3	.72	66.3
	15	7.1	.75	66.0
	20	7.1	.76	68.2
	25	7.0	.74	68.4
	30	7.0	.75	68.4
MW-3	5	6.7	.86	63.8
	10	6.7	.88	65.3
	15	6.7	.96	66.2
	20	6.6	.96	66.5
	25	6.6	.90	66.4
MW-6*	1	6.9	.64	59.3
	2	6.8	.53	59.7
	3	6.6	.49	60.3
	4	6.6	.49	60.1
	5	6.6	.48	60.0
MW-25**	5	7.3	0.71	60.4
MW-26	5	6.9	.61	61.2
	15	6.7	.63	62.5
	20	6.6	.66	63.1
	25	6.5	.64	63.5
	30	6.5	.70	63.4
MW-27	5	7.5	.67	66.8
	10	7.4	.52	65.4
	15	7.3	.58	65.6
	20	7.0	.59	66.0
	25	7.0	.57	65.4
	30	7.0	.57	65.3

TABLE VI
GROUNDWATER PURGING DATA continued
FEBRUARY 25, 1994

Well Number	Total Gallons Removed	pH	Specific Conductance x 1000	Temperature in Fahrenheit
MW-28	5	8.1	.13	61.9
	10	8.1	.14	63.4
	15	8.1	.14	64.5
	20	8.0	.14	65.4
	25	8.0	.16	65.7
	30	7.9	.18	65.6
	35	7.9	.20	66.0
MW-29	5	7.9	.20	61.9
	10	8.2	.18	63.7
	15	8.2	.17	64.8
	20	8.2	.17	65.8
	25	8.1	.16	65.5
	30	8.0	.16	65.3
MW-30	5	7.4	.46	58.1
	10	7.3	.48	60.0
	15	7.3	.50	60.5
	20	7.2	.52	61.9
	21	7.0	.56	61.7
	22	6.9	.57	62.0
	25	6.8	.58	62.6
MW-32**	5	7.4	.55	63.3
	10	7.4	.55	65.1
	15	7.3	.57	66.1
	20	7.2	.58	67.6
	25	7.2	.61	68.1

* 2-inch well hand bailed using a new disposable bailer

** Well was pumped dry at approximately 5 gallons

*** Well was pumped dry at approximately 25 gallons

TABLE VII
Groundwater Chemical Constituent Results
MW-2
All values reported in micrograms per liter or ug/l

SAMPLE DATE	TPH		TPH MOTOR OIL	OIL/GREASE					TOTAL LEAD	PCB	PESTICIDES	8010 or 8240 COMPOUNDS	SAMPLER
	GAS	DIESEL			B	T	E	X					
3/23/93	ND (100)	ND (1000)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK
7/27/93	ND (100)	ND (2500)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK
11/5/93	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	PARK
2/25/94	ND (100)	ND (1000)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK

TABLE VII continued
Groundwater Chemical Constituent Results
MW-3
All values reported in micrograms per liter or ug/l

SAMPLE DATE	TPH		TPH MOTOR OIL	OIL/GREASE					TOTAL LEAD	PCB	PESTICIDES	8010 or 8240 COMPOUNDS	SAMPLER
	GAS	DIESEL			B	T	E	X					
6-25-91	ND (50)	ND (50)	ND (500)	ND (5000)	22	ND (0.5)	ND (0.5)	ND (0.5)	N/A	N/A	N/A	N/A	HLA
9-17-91	N/A	N/A	N/A	N/A	64	3.6	3.8	2.8	N/A	N/A	N/A	N/A	HLA
12-16-91	N/A	N/A	N/A	N/A	100	8.1	2.9	5.9	N/A	N/A	N/A	N/A	HLA
3-23-92	N/A	N/A	N/A	N/A	31	0.7	ND (0.6)	2.2	N/A	N/A	N/A	N/A	HLA
6-23-92	N/A	N/A	N/A	N/A	2.5	1.0	ND (0.6)	ND (0.6)	N/A	N/A	N/A	N/A	HLA
10-20-92	N/A	N/A	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK
3-23-93	300	ND (1000)	N/A	N/A	35	2.9	2.0	3.2	N/A	N/A	N/A	N/A	PARK
7-27-93	220	ND (2500)	N/A	N/A	97	1.0	4.0	1.1	N/A	N/A	N/A	N/A	PARK
11-5-93	170	ND (1000)	N/A	N/A	4.9	ND	ND	1.2	N/A	N/A	N/A	N/A	PARK
2-25-94	100	ND (1000)	N/A	N/A	42 (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK

TABLE VII continued
 Groundwater Chemical Constituent Results
 MW-6
 All values reported in micrograms per liter or ug/l

SAMPLE DATE	TPH		TPH MOTOR OIL	OIL/GREASE					TOTAL LEAD	PCB	PESTI-CIDES	8010 or 8240 COM-POUNDS	SAMPLER
	GAS	DIESEL			B	T	E	X					
3/23/93	ND (100)	ND (1000)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK
7/27/93	ND (100)	ND (2500)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK
11/5/93	ND (100)	ND (1000)	N/A	N/A	ND (1)	ND (1)	ND (1)	3.5	N/A	N/A	N/A	N/A	PARK
2/25/94	ND (100)	ND (1000)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK

TABLE VII continued
Groundwater Chemical Constituent Results
MW-13
All values reported in micrograms per liter or ug/l

SAMPLE DATE			TPH MOTOR OIL	OIL/GREASE					TOTAL LEAD	PCB	PESTICIDES	8010 or 8240 COMPOUNDS	SAMPLER
	GAS	DIESEL			B	T	E	X					
3/27/89	ND (100)	ND (1000)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK
7/27/93	ND (100)	ND (2500)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK
11/5/93	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	PARK
2/25/94	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	PARK

TABLE 11 continued
Groundwater Chemical Constituent Results
MW-26

All values reported in micrograms per liter or ug/l

SAMPLE DATE	TPH		TPH MOTOR OIL	OIL/GREASE					TOTAL LEAD	PCB	PEST-ICIDES	8010 or 8240 COMPOUNDS	SAMPLER
	GAS	DIESEL			B	T	E	X					
9-13-89	6000	590	N/A	1000	1400	1300	110	1100	ND (50)	ND (1)	ND (1)	N/A	AGE
10-3-89	1900	ND (50)	N/A	ND (2000)	870	440	12	120	ND (50)	ND (0.05)	N/A	N/A	AGE
11-15-89	12,000	ND (500)	N/A	230	4200	3000	ND (100)	840	ND (50)	ND (500)	N/A	N/A	AGE
6-25-91	300,000	2100	1600	ND (5000)	4400	3600	260	4600	N/A	N/A	N/A	470 1,2 -DCA	HLA
9-17-91	N/A	N/A	N/A	N/A	6200	5800	1.0	3900	N/A	N/A	N/A	610 1,2 -DCA	HLA
12-16-91	N/A	N/A	N/A	N/A	5300	4500	450	1600	N/A	N/A	N/A	79 1,2 -DCA	HLA
3-23-92	N/A	N/A	N/A	N/A	19,000	24000	1600	8400	N/A	N/A	N/A	N/A	HLA
6-23-92	N/A	N/A	N/A	N/A	20,000	21000	2200	10000	N/A	N/A	N/A	380 1,2 -DCA	HLA
10-20-92	N/A	N/A	N/A	N/A	3700	1600	280	900	N/A	N/A	N/A	73 1,2 -DCA 1.9 TCE	PARK
3-23-93	7000	1300	N/A	N/A	180	190	55	330	N/A	N/A	N/A	ND 1	PARK
7-27-93	1800	ND (2500)	N/A	N/A	470	96	30	80	N/A	N/A	N/A	140 1,2 -DCA	PARK
11-5-93	19,000	9.4*	N/A	N/A	4700	1300	9.0	1400	N/A	N/A	N/A	120 1,2 DCA	PARK
2-25-94	14,000 100	ND (1000)	N/A	N/A	4800	570	200	860	N/A	N/A	N/A	28 1,2 DCA	PARK

* See Laboratory Report for result explanation - Appendix C

TABLE VII continued
Groundwater Chemical Constituent Results
MW-27

All values reported in micrograms per liter or ug/l

SAMPLE DATE	TPH		TPH MOTOR OIL	OIL/GREASE					TOTAL LEAD	PCB	PEST-ICIDES	8010 or 8240 COMPOUNDS	SAMPLER
	GAS	DIESEL			B	T	E	X					
9-13-89	ND (50)	100	N/A	ND (1000)	ND (0.4)	ND (0.3)	ND (0.3)	ND (0.7)	ND (50)	ND (1)	ND (.01)	N/A	AGE
10-3-89	ND (50)	51	N/A	ND (2000)	12	14	ND (1)	6	ND (50)	ND (.05)	N/A	N/A	AGE
11-15-89	ND (50)	ND (500)	N/A	100	ND (1)	3.1	ND (1)	ND (1)	ND (50)	ND (500)	N/A	N/A	AGE
6-25-91	ND (50)	ND (50)	N/A	N/A	1.8	ND (0.5)	ND (0.5)	ND (0.5)	N/A	N/A	N/A	N/A	HLA
9-17-91	N/A	N/A	N/A	N/A	ND (0.5)	ND (0.5)	ND (0.6)	ND (0.6)	N/A	N/A	N/A	N/A	HLA
12-16-91	N/A	N/A	N/A	N/A	11	17	2.1	11	N/A	N/A	N/A	N/A	HLA
3-23-92	N/A	N/A	N/A	N/A	ND (0.5)	ND (0.5)	ND (0.6)	ND (0.6)	N/A	N/A	N/A	N/A	HLA
6-23-92	N/A	N/A	N/A	N/A	4.6	5.0	0.6	1.3	N/A	N/A	N/A	N/A	HLA
10-20-92	N/A	N/A	N/A	N/A	ND (1)	1.5	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK
3-23-93	ND (100)	ND (100)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK
7-27-93	ND (100)	ND (2500)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK
11-5-93	ND (100)	ND (1000)	N/A	N/A	ND (1)	ND (1)	ND (1)	2.6	N/A	N/A	N/A	N/A	PARK
2-25-94	ND (100)	ND (1000)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK

TABLE continued
Groundwater Chemical Constituent Results

MW-28

All values reported in micrograms per liter or ug/l

SAMPLE DATE	TPH		TPH MOTOR OIL	OIL/GREASE					TOTAL LEAD	PCB	PEST-ICIDES	8010 or 8240 COM-POUNDS	SAMPLER
	GAS	DIESEL			B	T	E	X					
9-13-89	ND (50)	ND (50)	N/A	ND (1000)	ND (0.4)	ND (0.3)	ND (0.3)	ND (0.7)	ND (50)	ND (1)	ND (0.1)	N/A	AGE
10-3-89	58	ND (50)	N/A	ND (2000)	8	14	1	8	ND (50)	ND (0.5)	N/A	N/A	AGE
11-15-89	ND (50)	ND (500)	N/A	50	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (50)	N/A	N/A	AGE
6-25-91	ND (50)	ND (50)	ND (500)	N/A	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	N/A	N/A	N/A	N/A	HLA
9-17-91	N/A	N/A	N/A	N/A	ND (0.5)	ND (0.5)	ND (0.6)	ND (0.6)	N/A	N/A	N/A	N/A	HLA
12-16-91	N/A	N/A	N/A	N/A	N/A	0.69	3.5	ND (0.6)	18	N/A	N/A	N/A	HLA
3-23-92	N/A	N/A	N/A	N/A	ND (0.5)	ND (0.5)	ND (0.6)	ND (0.6)	N/A	N/A	N/A	N/A	HLA
6-23-92	N/A	N/A	N/A	N/A	ND (0.5)	ND (0.5)	ND (0.6)	ND (0.6)	N/A	N/A	N/A	N/A	HLA
10-20-92	N/A	N/A	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK
3-23-93	110	ND (1000)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK
7-27-93	ND (100)	ND (2500)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK
11-5-93	ND (100)	ND (1000)	N/A	N/A	ND (1)	ND (1)	ND (1)	2.1	N/A	N/A	N/A	N/A	PARK
2-25-94	ND (100)	ND (1000)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK

TABLE 1 continued
Groundwater Chemical Constituent Results

MW-29

All values reported in micrograms per liter or ug/l

SAMPLE DATE	TPH		TPH MOTOR OIL	OIL/GREASE					TOTAL LEAD	PCB	PEST-ICIDES	8010 or 8240 COM-POUNDS	SAMPLER
	GAS	DIESEL			B	T	E	X					
9-13-89	ND (50)	ND (50)	N/A	ND (1000)	ND (0.4)	ND (0.3)	ND (0.3)	ND (0.7)	ND (50)	ND (1)	ND (0.1)	N/A	AGE
10-3-89	ND (50)	65	N/A	ND (2000)	2.3	4.7	ND (1)	1.2	ND (50)	ND (0.5)	N/A	N/A	AGE
11-15-89	ND (50)	ND (500)	N/A	150	ND (1)	ND (1)	ND (1)	ND (1)	ND (50)	ND (500)	N/A	N/A	AGE
6-25-91	ND (50)	ND (50)	ND (500)	ND (5000)	ND (5)	ND (5)	ND (5)	ND (5)	N/A	N/A	N/A	ND (5-10)	HLA
9-17-91	N/A	N/A	N/A	N/A	ND (0.5)	ND (0.5)	ND (0.6)	ND (0.6)	N/A	N/A	N/A	N/A	HLA
12-16-91	N/A	N/A	N/A	N/A	ND (0.5)	0.62	ND (0.6)	ND (0.6)	N/A	N/A	N/A	N/A	HLA
3-23-92	N/A	N/A	N/A	N/A	ND (0.5)	ND (0.5)	ND (0.6)	ND (0.6)	N/A	N/A	N/A	N/A	HLA
6-23-92	N/A	N/A	N/A	N/A	ND (0.5)	ND (0.5)	ND (0.6)	ND (0.6)	N/A	N/A	N/A	N/A	HLA
10-20-92	N/A	N/A	N/A	N/A	ND (1)	3.5	ND (1)	2.9	N/A	N/A	N/A	N/A	PARK
3-23-93	ND (100)	ND (1000)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK
7-27-93	ND (100)	ND (2500)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK
11-5-93	ND (100)	ND (1000)	N/A	N/A	ND (1)	ND (1)	2.1	11	N/A	N/A	N/A	N/A	PARK
2-25-94	ND (100)	ND (1000)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK

**Groundwater Chemical Constituent Results
MW-30**

All values reported in micrograms per liter or ug/l

SAMPLE DATE	TPH		TPH MOTOR OIL	OIL/GREASE					TOTAL LEAD	PCB	PEST-ICIDES	8010 or 8240 COM-POUNDS	SAMPLER
	GAS	DIESEL			B	T	E	X					
9/17/91	N/A	N/A	N/A	N/A	ND (0.5)	ND (0.5)	ND (0.6)	ND (0.6)	N/A	N/A	N/A	N/A	HLA
12-16-91	N/A	N/A	N/A	N/A	ND (0.5)	ND (0.5)	ND (0.6)	1.1	N/A	N/A	N/A	N/A	HLA
3-23-92	N/A	N/A	N/A	N/A	ND (0.5)	6.9	ND (0.6)	ND (0.6)	N/A	N/A	N/A	N/A	HLA
6-23-92	N/A	N/A	N/A	N/A	2.3	4.7	ND (0.6)	4.2	N/A	N/A	N/A	N/A	HLA
10-20-92	N/A	N/A	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK
3-23-93	ND (100)	ND (1000)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK
7-27-93	ND (100)	ND (2500)	N/A	N/A	ND (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK
11-5-93	ND (100)	ND (1000)	N/A	N/A	ND (1)	ND (1)	ND (1)	2.8	N/A	N/A	N/A	N/A	PARK
2-25-94	ND (100)	ND (1000)	N/A	N/A	1.3 (1)	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	N/A	PARK

Groundwater Chemical Constituent Results

MW-32

All values reported in micrograms per liter or ug/l

SAMPLE DATE	TPH		TPH MOTOR OIL	OIL/GREASE					TOTAL LEAD	PCB	PESTICIDES	8010 or 8240 COMPOUNDS	SAMPLER
	GAS	DIESEL			B	T	E	X					
6-25-91	690	ND (50)	ND (500)	ND (5000)	550	ND (5)	7.6	11	N/A	N/A	N/A	14 1,2-DCA	HLA
9-17-91	N/A	N/A	N/A	N/A	0.62	2.6	11	4.6	N/A	N/A	N/A	8.1 1,2-DCA	HLA
12-16-91	N/A	N/A	N/A	N/A	64	0.92	1.5	1.7	N/A	N/A	N/A	4.2 1,2-DCA	HLA
3-23-92	N/A	N/A	N/A	N/A	120	1.6	2	2.1	N/A	N/A	N/A	2 1,2-DCA	HLA
6-23-92	N/A	N/A	N/A	N/A	170	250	42	200	N/A	N/A	N/A	7.9 1,2-DCA	HLA
10-20-92	N/A	N/A	N/A	N/A	5.1	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	2.5 1,2-DCA	PARK
3-23-93	440	ND (1000)	N/A	N/A	39	6.2	3.1	9.0	N/A	N/A	N/A	60 1,2 DCA	PARK
7-27-93	ND (100)	ND (2500)	N/A	N/A	39	6.2	3.1	9.0	N/A	N/A	N/A	14 1,2 DCA	PARK
11-5-93	170	ND (1000)	N/A	N/A	20	ND (1)	1.8	2.1	N/A	N/A	N/A	7.9 1,2 DCA	PARK
2-25-94	ND (100)	ND (1000)	N/A	N/A	5.6	ND (1)	ND (1)	ND (1)	N/A	N/A	N/A	ND (1)	PARK

THE RELATIONSHIP BETWEEN THE CHANGE IN ELEVATION OF GROUNDWATER TO THE THICKNESS OF FREE PRODUCT

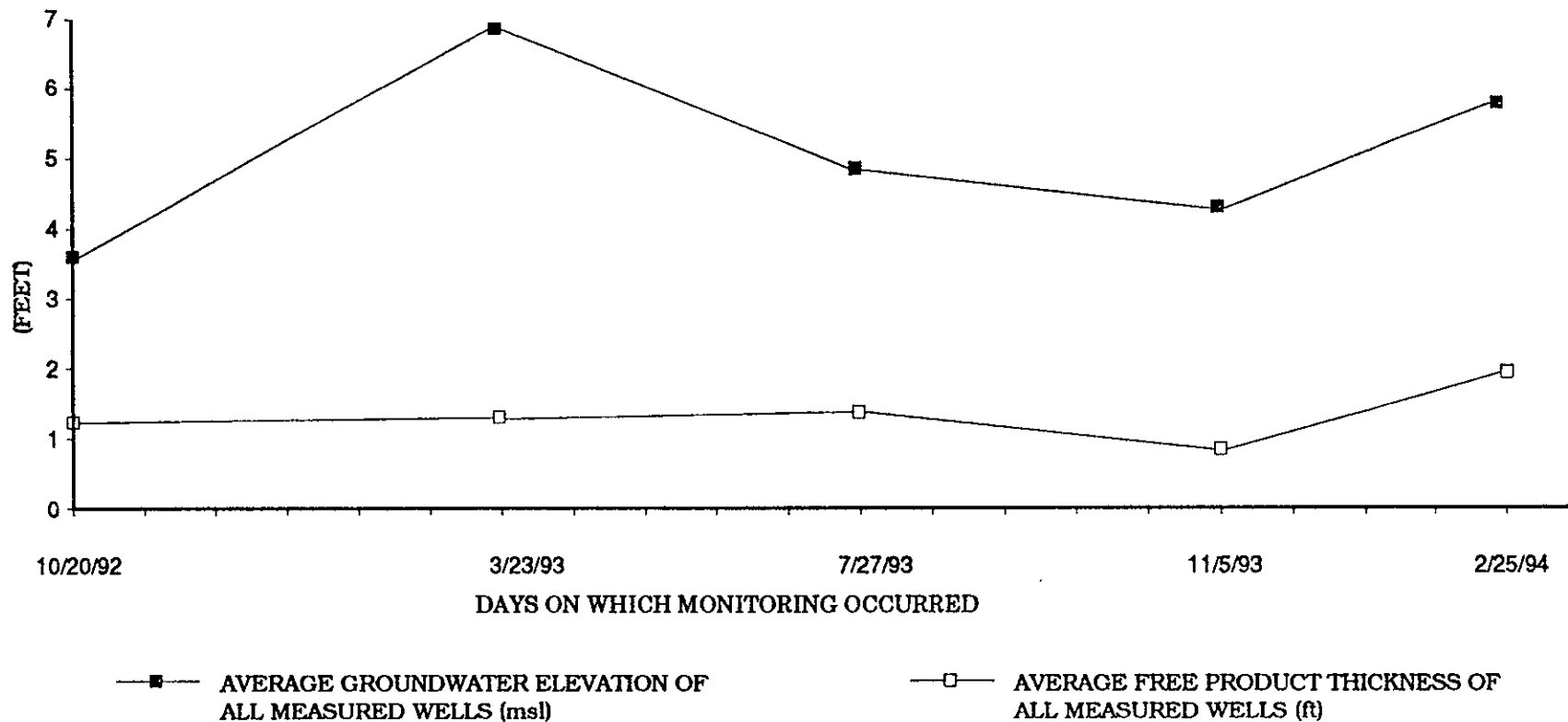


CHART 1



RECEIVED MAR 16 1994

Date: March 10, 1994

Park Environmental Corporation
5100 East Hunter Avenue
Anaheim, California 92807

Attention: Mr. Peter Frank

Client Project Number: 5008-J12
Client Project Name: N/A
Date Sampled: Feb-25-94
Date Samples Received: Mar-01-94
Sierra Project Number: SP-996-93

Enclosed with this letter is the report on the chemo-physical analysis of samples from the project references shown above.

The samples were received by Sierra in a chilled state, intact, and with the chain of custody record attached.

Note that N.D means not detected at the appropriate reporting limit. The reporting limit is adjusted to reflect the dilution factor of the sample. The reporting limit is expressed in such cases in parentheses to the right of reported value. The detection limit for values without such a designation appears to the right of or at the bottom of the same page

All halogenated compounds detected by EPA Method 8010 were confirmed by analysis with a second column of dissimilar phase or site history analytical data.

Reviewed

Approved

The contents of this report pertain only to the samples investigated and do not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Unauthorized reproduction of this report or use of this laboratory's name for advertising or publicity purposes is strictly prohibited.

1525 ENDEAVOR PLACE
SUITE D
ANAHEIM, CA 92801

TEL: 714.758.9988
FAX: 714.758.9692

Park Environmental Corporation
4231 Pacific Street, Suite 7
Anaheim, California 95677

Sierra Client No. 10000-92
Sierra Project No. SP-996-94
Client Project No. 5008-J12
Client Project:
N/A

Date Sampled: .02/25/94
Date Received: .03/01/94
Date Prepared: .03/02/94
Date Analyzed: .03/02/94

Sample Preparation: EPA Method 5030

Sample Analysis: EPA 8010 (Halogenated Volatiles)

Report Date: .03/10/94

Sample Type: Liquid

Sample I.D. MW-26

<u>Compound</u>	<u>Sample Result</u> (µg/l)	<u>Method Detection</u> Limit (µg/l)
Chloromethane	ND	1
Vinyl chloride	ND	1
Bromomethane	ND	1
Chloroethane	ND	1
Trichlorofluoromethane	ND	1
1,1-Dichloroethene (1,1-DCE)	ND	1
Methylene chloride	ND	1
trans-1,2-Dichloroethene (t-1,2-DCE)	ND	1
1,1-Dichloroethane (1,1-DCA)	ND	1
cis-1,2-Dichloroethene (c-1,2-DCE)	ND	1
Chloroform	ND	1
1,1,1-Trichloroethane (1,1,1-TCA)	ND	1
Carbon tetrachloride	ND	1
1,2-Dichloroethane (1,2-DCA)	28	1
Trichloroethene (TCE)	ND	1
1,2-Dichloropropane (1,2-DCP)	ND	1
Bromodichloromethane	ND	1
2-Chloroethylvinyl ether	ND	1
cis-1,3-Dichloropropene	ND	1
trans-1,3-Dichloropropene	ND	1
1,1,2-Trichloroethane (1,1,2-TCA)	ND	1
Tetrachloroethene (PCE)	ND	1
Dibromochloromethane	ND	1
Chlorobenzene	ND	1
Bromoform	ND	1
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1

Park Environmental Corporation
4231 Pacific Street, Suite 7
Anaheim, California 95677

Sierra Client No. 10000-92
Sierra Project No. SP-996-94
Client Project No. 5008-J12
Client Project:
N/A

Date Sampled: .02/25/94
Date Received: .03/01/94
Date Prepared: .03/02/94
Date Analyzed: .03/02/94

Sample Preparation: EPA Method 5030

Sample Analysis: EPA 8010 (Halogenated Volatiles)

Report Date: .03/10/94

Sample Type: Liquid

Sample I.D. MW-32

<u>Compound</u>	<u>Sample Result</u> (µg/l)	<u>Method Detection</u> Limit (µg/l)
Chloromethane	ND	1
Vinyl chloride	ND	1
Bromomethane	ND	1
Chloroethane	ND	1
Trichlorofluoromethane	ND	1
1,1-Dichloroethene (1,1-DCE)	ND	1
Methylene chloride	ND	1
trans-1,2-Dichloroethene (t-1,2-DCE)	ND	1
1,1-Dichloroethane (1,1-DCA)	ND	1
cis-1,2-Dichloroethene (c-1,2-DCE)	ND	1
Chloroform	ND	1
1,1,1-Trichloroethane (1,1,1-TCA)	ND	1
Carbon tetrachloride	ND	1
1,2-Dichloroethane (1,2-DCA)	ND	1
Trichloroethene (TCE)	ND	1
1,2-Dichloropropane (1,2-DCP)	ND	1
Bromodichloromethane	ND	1
2-Chloroethylvinyl ether	ND	1
cis-1,3-Dichloropropene	ND	1
trans-1,3-Dichloropropene	ND	1
1,1,2-Trichloroethane (1,1,2-TCA)	ND	1
Tetrachloroethene (PCE)	ND	1
Dibromochloromethane	ND	1
Chlorobenzene	ND	1
Bromoform	ND	1
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1

Park Environmental Corporation
4231 Pacific Street, Suite 7
Anaheim, California 95677

Sierra Client No. 10000-92
Sierra Project No. SP-996-94
Client Project No. 5008-J12
Client Project:

Date Sampled: .02/25/94
Date Received: .03/01/94
Date Prepared: .03/03/94
Date Analyzed: .03/03/94

N/A

Sample Preparation:

EPA Method 5030

Sample Analysis:

8015-Modified (TPH as Gasoline-CADHS LUFT)
and EPA 8020 (BTEX) in series

Report Date: .03/10/94

Sample Type: Liquid

Client Sample I.D.	TPH µg/l	Benzene µg/l	Toluene µg/l	Ethylbenzene µg/l	Xylenes, Total µg/l
MW-2	ND	ND	ND	ND	ND
MW-3	100	42	ND	ND	ND
MW-25	ND	2.1	ND	ND	ND
MW-26	14000	4800	570	200	860
MW-27	ND	ND	ND	ND	ND
MW-28	ND	ND	ND	ND	ND
MW-29	ND	ND	ND	ND	ND
MW-30	ND	1.3	ND	ND	ND
MW-32	ND	5.6	ND	ND	ND
MW-6	ND	ND	ND	ND	ND
Equip Blk	ND	N/A	N/A	N/A	N/A
Dup	ND	N/A	N/A	N/A	N/A

	TPH µg/l	Benzene µg/l	Toluene µg/l	Ethylbenzene µg/l	Xylenes, Total µg/l
Detection Limit:	100	1	1	1	1

Park Environmental Corporation
 4231 Pacific Street, Suite 7
 Anaheim, California 95677

Sierra Client No. 10000-92
 Sierra Project No. SP-996-94
 Client Project No. 5008-J12
 Client Project:
 N/A

Date Sampled: .02/25/94
 Date Received: .03/01/94
 Date Prepared: .03/08/94
 Date Analyzed: .03/08/94

Sample Preparation: Solvent Extraction
 Sample Analysis: 8015-Modified (TPH as Diesel-CADHS LUFT)

Report Date: .03/10/94

Sample Type: Liquid

Client Sample I.D.	TPH mg/l
MW-2	ND
MW-3	ND
MW-25	ND
MW-26	ND
MW-27	ND
MW-28	ND
MW-29	ND
MW-30	ND
MW-32	ND
MW-6	ND

TPH
mg/l

Detection Limit: 1.0

Park Environmental Corporation
4231 Pacific Street, Suite 7
Anaheim, California 95677

Sierra Client No. 10000-92
Sierra Project No. SP-996-94
Client Project No. 5008-J12
Client Project:

Date Sampled: .02/25/94
Date Received: .03/01/94
Date Prepared: .03/02/94
Date Analyzed: .03/02/94

N/A

Sample Preparation: EPA Method 5030

Sample Analysis: EPA 8010 (Halogenated Volatiles)

Report Date: .03/10/94

Matrix/Spike Duplicate Report

	1,1-DCE (Range)	1,1,1-TCA (Range)	TCE (Range)	Chlorobenzene (Range)
Matrix Spike	83	93	83	87
Recovery (%)	(28-167)	(41-138)	(35-146)	(38-150)
Matrix Spike Duplicate	86	99	84	88
Recovery (%)	(28-167)	(41-138)	(35-146)	(38-150)
Relative Per-cent Difference	3 (0-30)	5 (0-30)	1 (0-30)	1 (0-30)

Quality Control Reference Number:

G002-030294-G2B0016-025-026

Park Environmental Corporation
4231 Pacific Street, Suite 7
Anaheim, California 95677

Sierra Client No. 10000-92
Sierra Project No. SP-996-94
Client Project No. 5008-J12
Client Project:
 N/A

Date Sampled: .02/25/94
Date Received: .03/01/94
Date Prepared: .03/03/94
Date Analyzed: .03/03/94

Sample Preparation: EPA Method 5030
Sample Analysis: 8015-M as Gasoline

Report Date: .03/10/94

Matrix/Spike Duplicate Report

Sample Type: Liquid

	TPH-Gasoline	(Range)
Matrix Spike Recovery (%)	96	(50-150)
Matrix Spike Duplicate Recovery (%)	102	(50-150)
Relative Per-cent Difference	5	(0-30)

Quality Control Reference Number: G002-030394-G2A0023-138-139

Park Environmental Corporation
4231 Pacific Street, Suite 7
Anaheim, California 95677

Sierra Client No. 10000-92
Sierra Project No. SP-996-94
Client Project No. 5008-J12
Client Project:
N/A

Date Sampled: .02/25/94
Date Received: .03/01/94
Date Prepared: 03/03/94
Date Analyzed: .03/03/94

Sample Preparation: EPA Method 5030
Sample Analysis: EPA 8020 (BTEX)

Report Date: .03/10/94

Matrix/Spike Duplicate Report

Sample Type: Liquid

	Benzene (Range)	Toluene (Range)	Ethylbenzene (Range)	Xylenes, Total (Range)
Matrix Spike	102	97	91	105
Recovery (%)	(39-150)	(46-148)	(32-160)	(37-154)
Matrix Spike Duplicate	105	105	100	113
Recovery (%)	(39-150)	(46-148)	(32-160)	(37-154)
Relative Per-cent Difference	3 (0-30)	7 (0-30)	9 (0-30)	8 (0-30)

Quality Control Reference Number:

G002-030394-G2A0023-138-139

Park Environmental Corporation
4231 Pacific Street, Suite 7
Anaheim, California 95677

Sierra Client No. 10000-92
Sierra Project No. SP-996-94
Client Project No. 5008-J12
Client Project:
N/A

Date Sampled: .02/25/94
Date Received: .03/01/94
Date Prepared: .03/08/94
Date Analyzed: .03/08/94

Sample Preparation: Solvent Extraction
Sample Analysis: 8015-Modified (TPH as Diesel-CADHS LUFT)

Report Date: .03/10/94

Matrix/Spike Duplicate Report

Sample Type: Liquid

TPH-Diesel

Matrix Spike 112
Recovery (%)

Matrix Spike Duplicate 105
Recovery (%)

Relative Per-cent 7
Difference

Quality Control Reference Number: G002-030894-G2A0024-019-020

Park Environmental Corporation
4231 Pacific Street, Suite 7
Anaheim, California 95677

Sierra Client No. 10000-92
Sierra Project No. SP-996-94
Client Project No. 5008-J12
Client Project:
N/A

Date Sampled: .02/25/94
Date Received: .03/01/94
Date Prepared: .03/02-03/08/94
Date Analyzed: .03/02-03/08/94

Report Date: .03/10/94

Surrogate Summary Report

Client Sample I.D.	Analysis Type	Per-cent Recovery	
		S1	(Range)
MW-2	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	105	(50-130)
MW-3	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	96	(50-130)
MW-25	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	98	(50-130)
MW-26	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	99	(50-130)
MW-27	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	100	(50-130)
MW-28	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	97	(50-130)
MW-29	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	102	(50-130)
MW-30	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	98	(50-130)
MW-32	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	94	(50-130)
MW-6	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	96	(50-130)
MW-2	8015-Modified (TPH as Diesel-CADHS LUFT)	102	(50-130)
MW-3	8015-Modified (TPH as Diesel-CADHS LUFT)	100	(50-130)
MW-25	8015-Modified (TPH as Diesel-CADHS LUFT)	103	(50-130)
MW-26	8015-Modified (TPH as Diesel-CADHS LUFT)	106	(50-130)
MW-27	8015-Modified (TPH as Diesel-CADHS LUFT)	108	(50-130)
MW-28	8015-Modified (TPH as Diesel-CADHS LUFT)	104	(50-130)
MW-29	8015-Modified (TPH as Diesel-CADHS LUFT)	104	(50-130)
MW-30	8015-Modified (TPH as Diesel-CADHS LUFT)	102	(50-130)
MW-32	8015-Modified (TPH as Diesel-CADHS LUFT)	104	(50-130)
MW-6	8015-Modified (TPH as Diesel-CADHS LUFT)	103	(50-130)
Equip Blk	8015-Modified (TPH as Gasoline-CADHS LUFT)	93	(50-130)
Dup	8015-Modified (TPH as Gasoline-CADHS LUFT)	97	(50-130)
MW-26	EPA 8010 (Halogenated Volatiles)	91	(30-160)
MW-32	EPA 8010 (Halogenated Volatiles)	93	(30-160)

Park Environmental Corporation
4231 Pacific Street, Suite 7
Anaheim, California 95677

Sierra Client No. 10000-92
Sierra Project No. SP-996-94
Client Project No. 5008-J12
Client Project:
N/A

Date Sampled: .02/25/94
Date Received: .03/01/94
Date Prepared: .03/02-03/08/94
Date Analyzed: .03/02-03/08/94

Report Date: .03/10/94

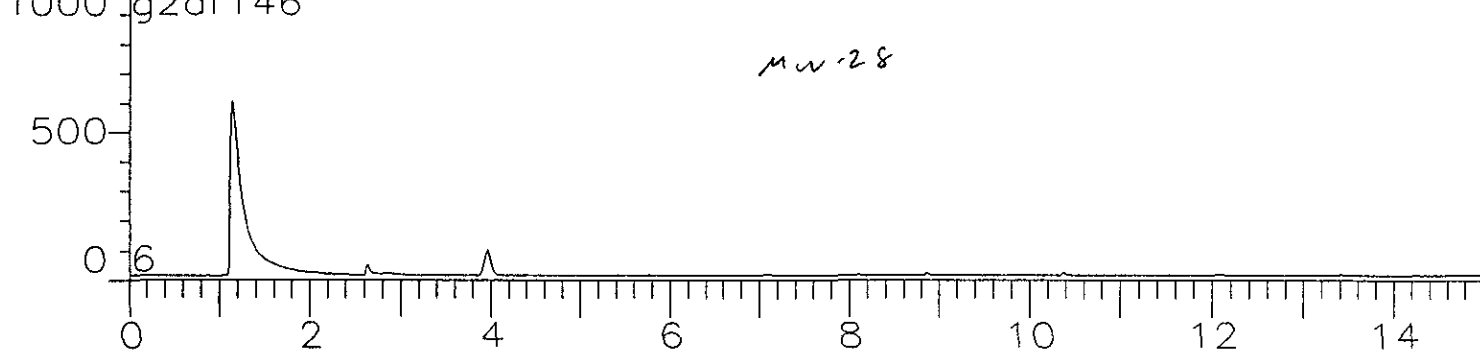
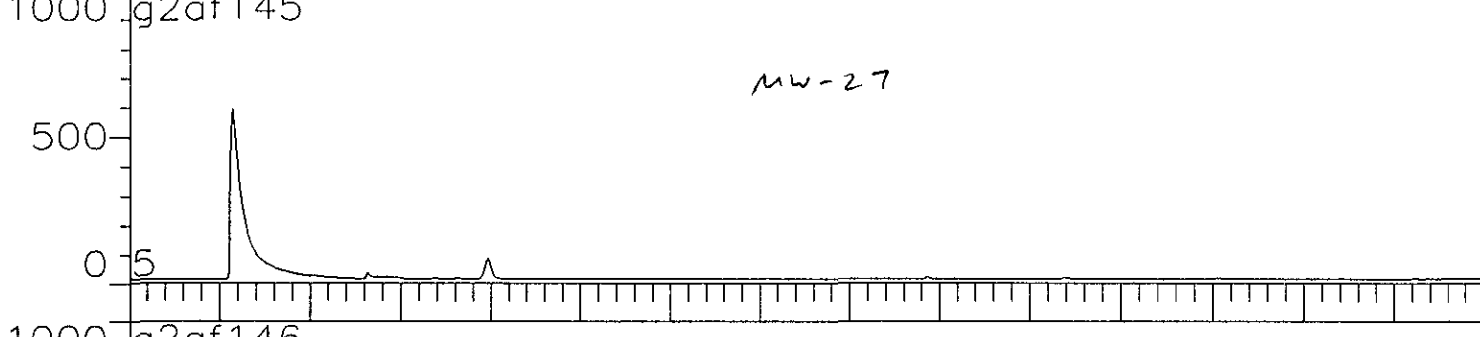
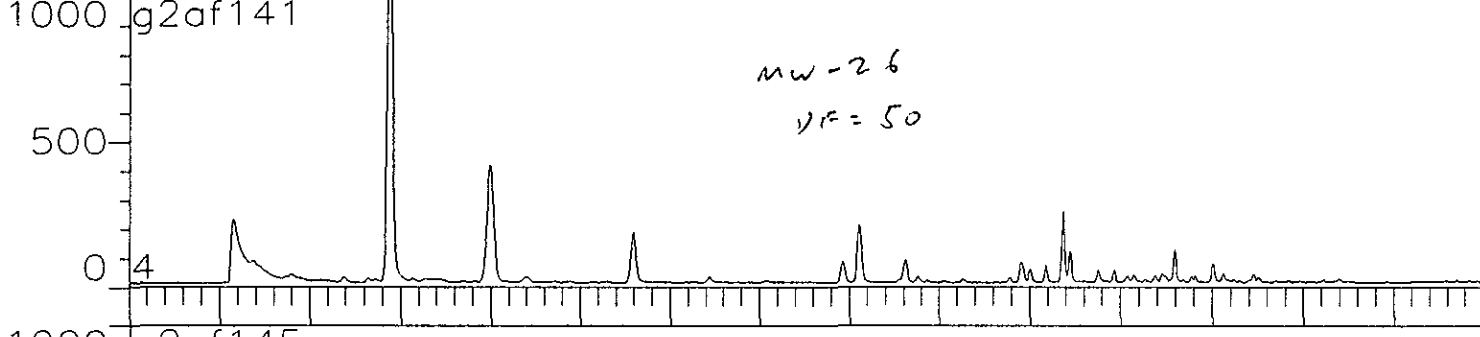
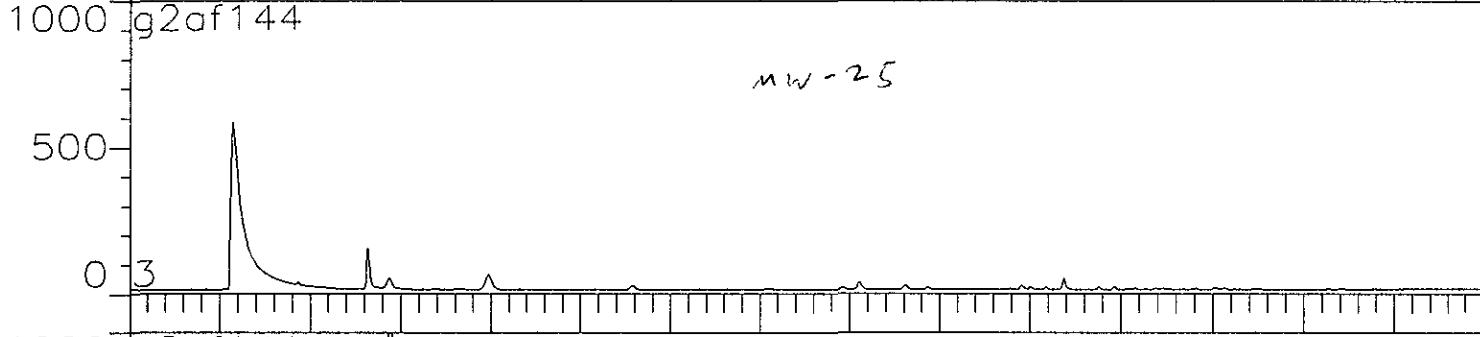
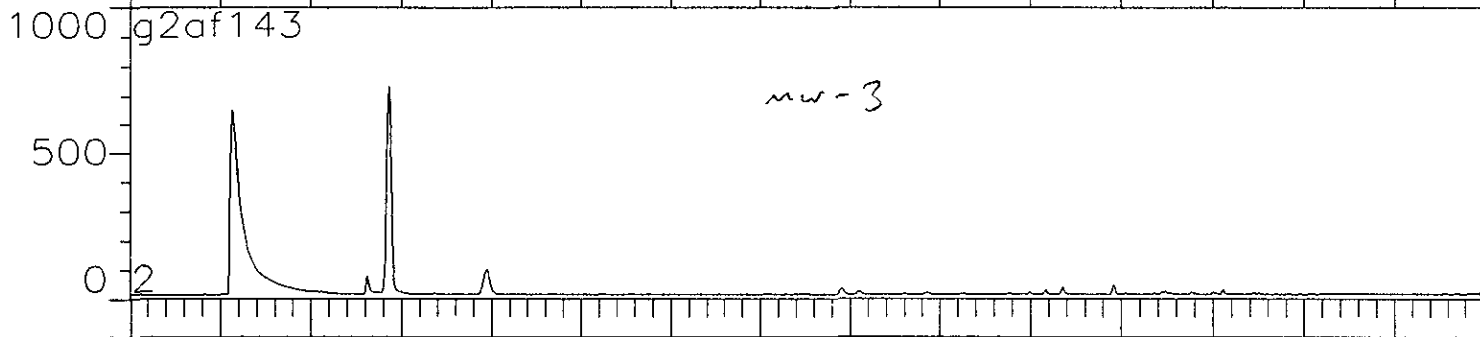
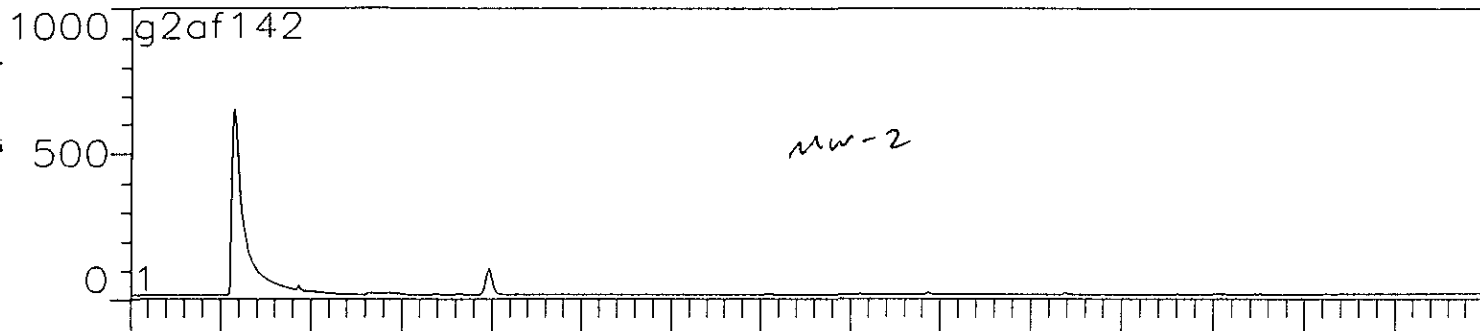
Laboratory Control Sample Report

<u>Parameter</u>	<u>Analysis Type</u>	<u>Per-cent Recovery</u>	
		<u>%</u>	<u>Range</u>
TPH as Gasoline	EPA 8015-M	92	(50-150)
	Quality Control Reference Number:	G002-030394-G2A0023-162	

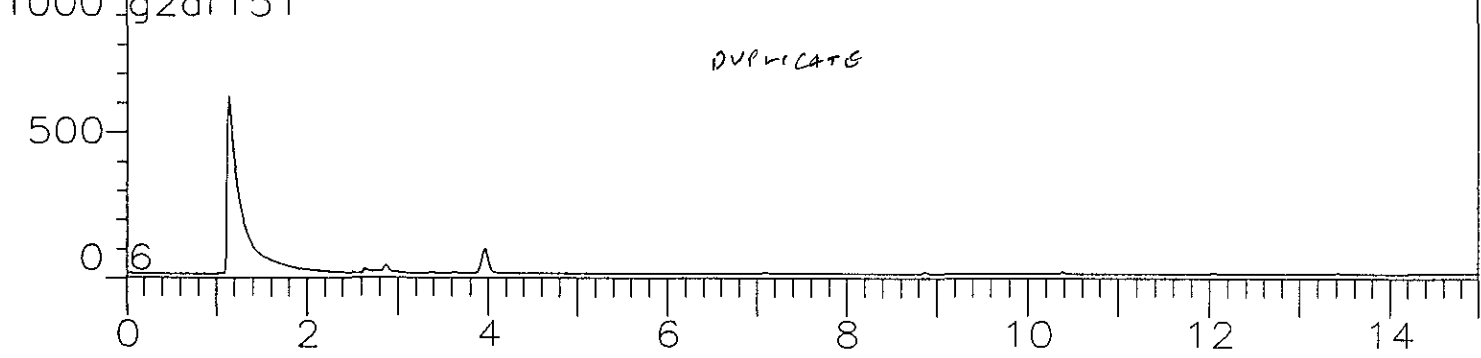
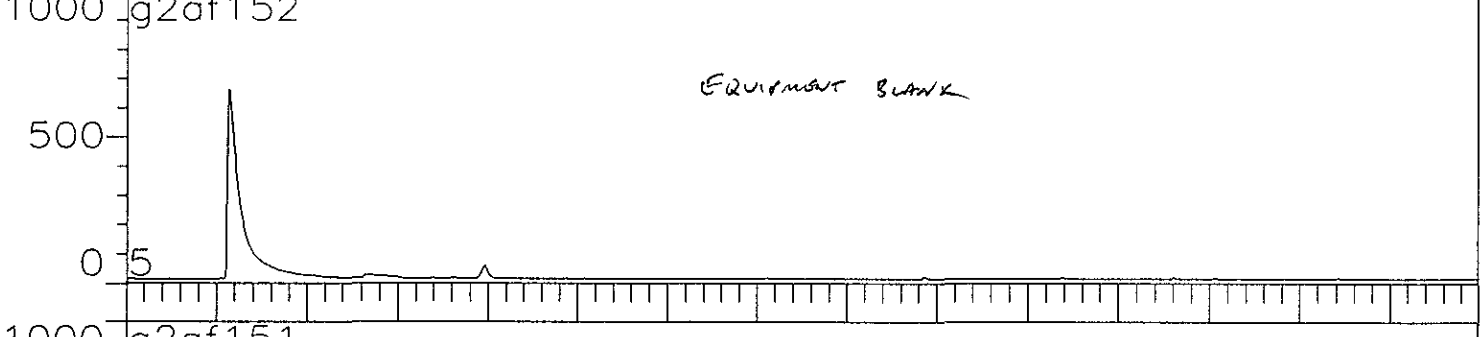
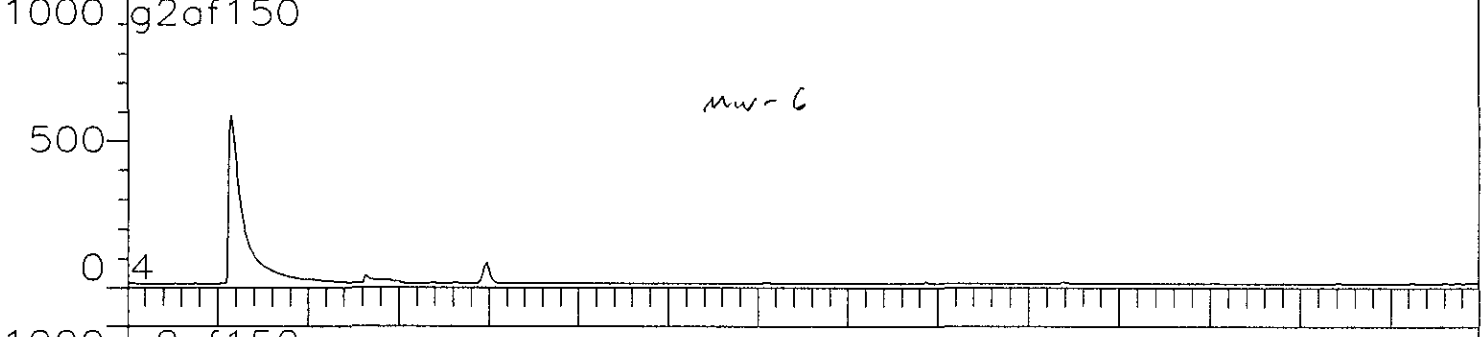
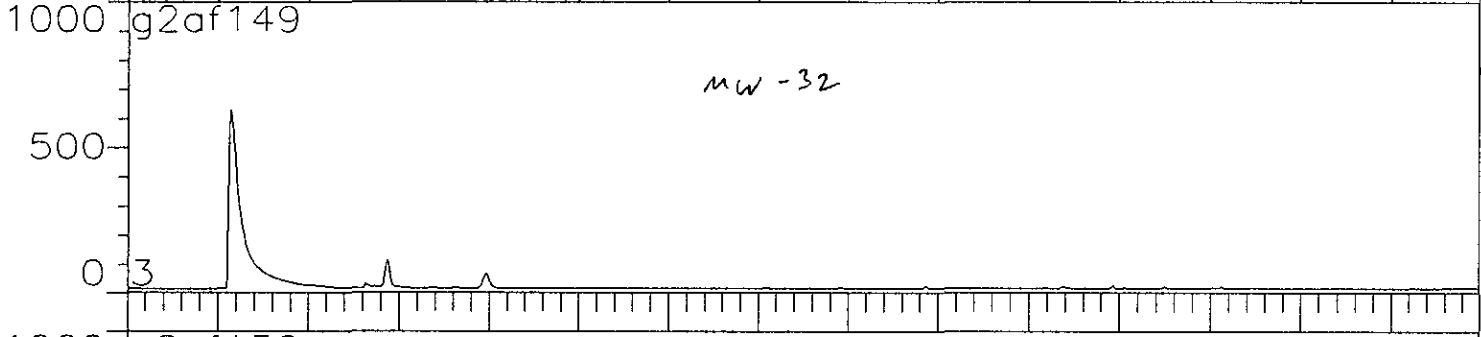
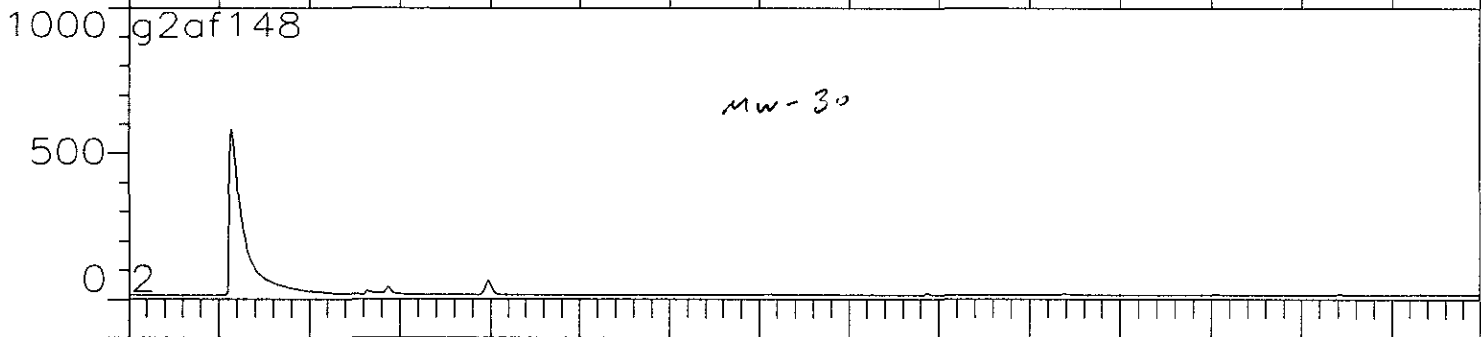
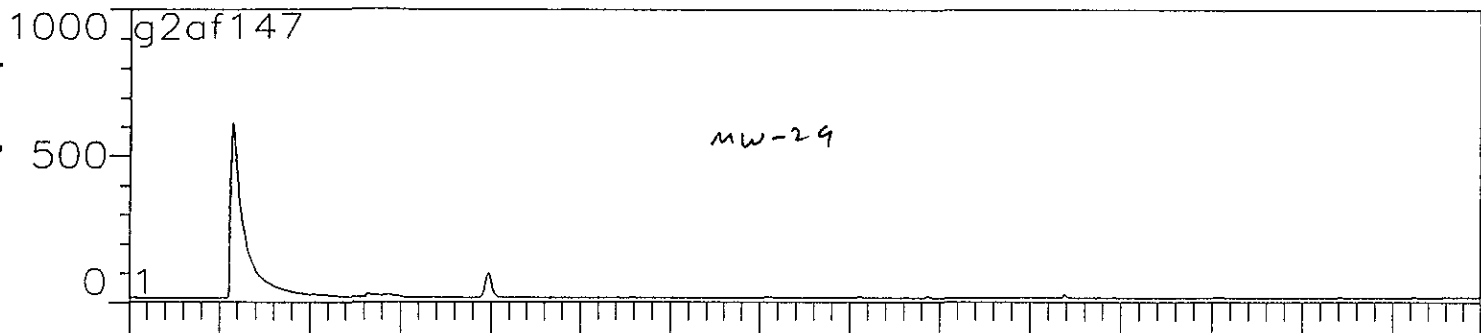
<u>Compound</u>	<u>Analysis Type</u>	<u>Per-cent Recovery</u>	
		<u>%</u>	<u>Range</u>
Benzene	EPA 8020 (BTEX)	97	(39-150)
Toluene	EPA 8020 (BTEX)	91	(46-148)
Ethylbenzene	EPA 8020 (BTEX)	94	(32-160)
Xylenes (Total)	EPA 8020 (BTEX)	95	(37-154)
	Quality Control Reference Number:	G002-030394-G2A0023-162	

<u>Parameter</u>	<u>Analysis Type</u>	<u>Per-cent Recovery</u>	
		<u>%</u>	<u>Range</u>
TPH as Diesel	EPA 8015-M	111	(50-150)
	Quality Control Reference Number:	G002-030894-G2A0024-018	

<u>Compound</u>	<u>Analysis Type</u>	<u>Per-cent Recovery</u>	
		<u>%</u>	<u>Range</u>
1,1-Dichloroethene	EPA 8010 (Halogenated Volatiles)	87	(28-167)
1,1,1-Trichloroethane	EPA 8010 (Halogenated Volatiles)	96	(41-138)
Chlorobenzene	EPA 8010 (Halogenated Volatiles)	88	(38-150)
Trichloroethene (TCE)	EPA 8010 (Halogenated Volatiles)	92	(35-146)
	Quality Control Reference Number:	G002-030294-G2B0016-032	



0 2 4 6 8 10 12 14





SIERRA LABORATORIES

TEL: 714 • 758 • 9988

FAX: 714 • 758 • 9692

1525 Endeavour Place • Suite D • Anaheim, CA • 92801

CHAIN OF CUSTODY RECORD

N. 1066811

Date: 2/25/94 Page 1 of 2

Lab Project No.: SP-990-94

Client: Park Environmental

Client Proj. Number/Proj. Name:

Client Address: 4231 Pacific Street, Suite 7
Rocklin, Ca 95677

5008-112

Analyses Requested

Client Tel. No.: 916-652-3861

Client Fax No.: 916-652-4195

Client Proj. Mgr.: Peter Frank

- Turn Around Time Requested:
- Immediate Attention
 - Rush 24-48 hours
 - Rush 72-96 hours
 - Normal
 - Mobile

8015-Modified (TPH as Gasoline, CADHS LUFT, and EPA 8020 (Aromatic Volatiles, BTEX in Benzene))	8015-Modified (TPH as Gasoline, CADHS LUFT)	8015-Modified (TPH as Diesel, CADHS LUFT)	EPA 8020 (Volatile Aromatics, BTEX)	EPA 8010 (Volatile Halogenated)	EPA 8010/8020 (Volatile Aromatics & Halogenated)	EPA 418 (TPH)	Total Lead, EPA 742 (Cyclic ether)	Organic Lead (CADHS LUFT)
X	X	X	X	X	X	X	X	X

Client Sample No.	Date	Time	Matrix	Preservatives	Container Type	No. of Containers	Comments
MW-2	Feb 25, 1994		Water	HCl	VDA	4	
MW-3						4	
MW-25						4	
MW-26						4	RCVD. 6 VDA VIALS
MW-27						4	
MW-28						4	
MW-29						4	
MW-30						4	
MW-32						6	
MW-6						64- 1/2	RCVD. 4 VDA VIALS

1 Sampler Signature: Howard Feld Shipped Via: Airborne Express
 Company: Park Environmental (Carrier/Waybill No)

2 Relinquished By: Howard Feld Date: 2/29/94 Time: 2:30 PM
 Received By: Rebecca Smith Date: 3/1/94 Time: 13:06
 Company: Park Environmental Company: SIERRA LABS

3 Relinquished By: Date: Received By: Date:
 Company: Time: Company: Time:

4 Relinquished By: Date: Received By: Date:
 Company: Time: Company: Time:

Special Instructions:

Total Number of Containers Submitted to Laboratory: 44

Total Number of Containers Received by Laboratory: 48

FOR LABORATORY USE ONLY - Sample Receipt Conditions:

- Chilled
- Intact
- Sample Seals
- Properly Labeled
- Appropriate Sample Container
- Appropriate Preservatives
- Other: See comment above
- Return to Client
- Lab Disposal
- Archive
- Other



SIERRA LABORATORIES

TEL: 714 • 758 • 9988

FAX: 714 • 758 • 9692

1525 Endeavour Place • Suite D • Anaheim, CA • 92801

CHAIN OF CUSTODY RECORD

N. 1000815

Date: 2/25/94 Page 2 of 2

Lab Project No.: SP-996-94

Client: Park Environmental
Client Address: 4231 Pacific Street, Suite 7, Rocklin CA 95677
Client Tel. No.: 916-652-3861
Client Fax No.: 916-652-4193
Client Proj. Mgr.: Peter Frank

Client Proj. Number/Proj. Name: 5008-112

- Turn Around Time Requested:
[] Immediate Attention
[] Rush 24-48 hours
[] Rush 72-96 hours
[x] Normal
[] Mobile

Analyses Requested

Table with columns for various analyses: 8015-Modified (TPH as Gasoline - CADHS LUFT), 8015-Modified (TPH as Gasoline - CADHS LUFT), 8015-Modified (TPH as Diesel - CADHS LUFT), EPA 8020 (Volatile Aromatics - BTEX), EPA 8010 (Volatile Halogenated), EPA 8010/8020 (Volatile Aromatics & Halogenated), EPA 418.1 (TRPH), Lead, EPA 8010/8020 (Volatile Aromatics & Halogenated), Organics Lead (CADHS LUFT). Includes handwritten 'X' marks in the first two columns.

Table with columns: Client Sample No., Date, Time, Matrix, Preservatives, Container Type, No. of Containers. Includes handwritten entries: Equipment Blank, Duplicate, 2/25/94, Water, HCl, VOA, 2.

1 Sampler Signature: Howard Fold
Company: Park Environmental
Shipped Via: Airborne Express
(Carrier/Waybill No.)

Total Number of Containers Submitted to Laboratory: 4

Sample Disposal:
[] Return to Client
[] Lab Disposal
[] Archive ___ mos
[] Other _____

2 Relinquished By: Howard Fold
Date: 2/29/94
Time: 2:30 PM
Company: Park Environmental
Received By: Barbara Armitage
Date: 3/1/94
Time: 13:06
Company: SIERRA LABS

Total Number of Containers Received by Laboratory: 4

FOR LABORATORY USE ONLY - Sample Receipt Conditions:

3 Relinquished By:
Date:
Time:
Company:
Received By:
Date:
Time:
Company:

4 Relinquished By:
Date:
Time:
Company:
Received By:
Date:
Time:
Company:

Special Instructions:

- FOR LABORATORY USE ONLY - Sample Receipt Conditions:
[x] Chilled
[x] Intact
[x] Sample Seals
[x] Properly Labeled
[x] Appropriate Sample Container
[x] Appropriate Preservatives
[] Other _____
[] Other _____