THIRD QUARTER 1993

GROUNDWATER MONITORING REPORT

CARNATION DAIRY FACILITY
1310 14TH STREET
OAKLAND, CALIFORNIA

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

JANUARY 4, 1994

Park
Environmental

ALCO
HAZMAT
94 FEB -7 PM 12: 42

February 3, 1994

5008.J12

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

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

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 August, September and October 1993 at the Carnation site referenced above. **Park** anticipates performing groundwater sampling activities during the week of February 7, 1994 for the time period of November, December and January.

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

Sincerely,
Park Environmental Corporation

Peter Frank
Project Geologist

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

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

4231 Pacific Street • Suite 7 • Rocklin, CA 95677 TEL 916-784-7400 800-753-7401 FAX 916-784-7496

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1.0 INTRODUCTION

Nestle USA, Inc., (Nestle) has retained **Park Environmental Corporation (Park)** to provide environmental services at its Carnation Company 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 Hiett 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 water and/or free product levels in 63 monitoring wells;
- Calculate groundwater flow direction in the vicinity of the free product plume and in the vicinity of the property boundaries;
- Purge and sample ten monitoring wells (MW-2, MW-3, MW-6, MW-13, MW-25, MW-26, MW-27, MW-28, MW-29, MW-30, MW-32) not containing free product;
- Analyze ten groundwater samples (MW-2, MW-3, MW-6, MW-25, MW-26, MW-27, MW-28, MW-29, MW-30, 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 Methods 8015, 8020 and 601, respectively. In addition to the above mentioned analyses, 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. 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 and July 27, 1993 groundwater sampling episodes are presented in Tables II III, and IV 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 Alconox solution or 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. Data obtained during the purging of the wells is presented in Table V 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 sample 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 milliliter 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 November 4, 1993 indicate that groundwater flow beneath the site continues to be to the north-northwest, which is consistent with previous reports. The hydraulic gradient was calculated to be approximately 0.0013 or 0.13 feet per 100 feet below the site. Figure 3 in Appendix A shows graphically the groundwater flow direction.

In October, 1992 the groundwater elevation was approximately 4.00 feet above mean sea level (msl) while in March, 1993 it was approximately 7.20 feet msl. The increase is believed to be due to recharge resulting from the normal precipitation during the winter months. The measurements taken during the summer (July, 1993) show a decrease in the water elevation to about 5.40 feet msl. The measurements taken during this quarterly sampling episode show the groundwater elevation at about 4.40 feet msl, which is consistent with the data collected in October, 1992.

3.1.2 Occurrence of Free Product

Free product was identified in 29 of the 63 wells monitored for this investigation. The maximum free product thickness measured was 1.83 feet. Free product thicknesses increased from October, 1992 to March, 1993 while decreasing from March, 1993 to July, 1993 and continued decreasing to November, 1993. This condition was anticipated due to the rising and falling of the groundwater in the subsurface. As groundwater rose into the vadose zone, petroleum hydrocarbons trapped in the pore spaces of the soil were released and floated on the top of the rising groundwater, showing an apparent increase in product thickness. Conversely, as the water level dropped from March to November, 1993, the free product thickness decreased, as it coated the soil in the vadose zone. It is not believed at this time that there is any new free product being released at the site or migrating away from the site.

Free product thicknesses from the last four groundwater monitoring programs (October, 1992, March 1993, July, 1993 and November, 1993) are presented on Tables I, II, III and IV in

Appendix B. The most recent data is shown graphically on Figure 4 in Appendix A. Free product was not observed in any of the wells off-site (MW-25 through MW-29).

3.1.3 Results of Laboratory Analyses

Laboratory test results of groundwater samples collected on November 5, 1993 for this investigation are summarized in Table VI, 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 C.

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. Additional changes may occur in legislative standards which may or may not be applicable to this report. These changes beyond **Park's** control may render this report invalid partially or wholly.

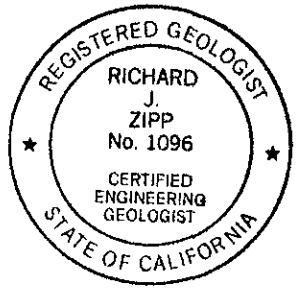
5.0 SIGNATURES

This report was prepared by:

Peter Frank
Project Geologist

This report was reviewed for technical content by:

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



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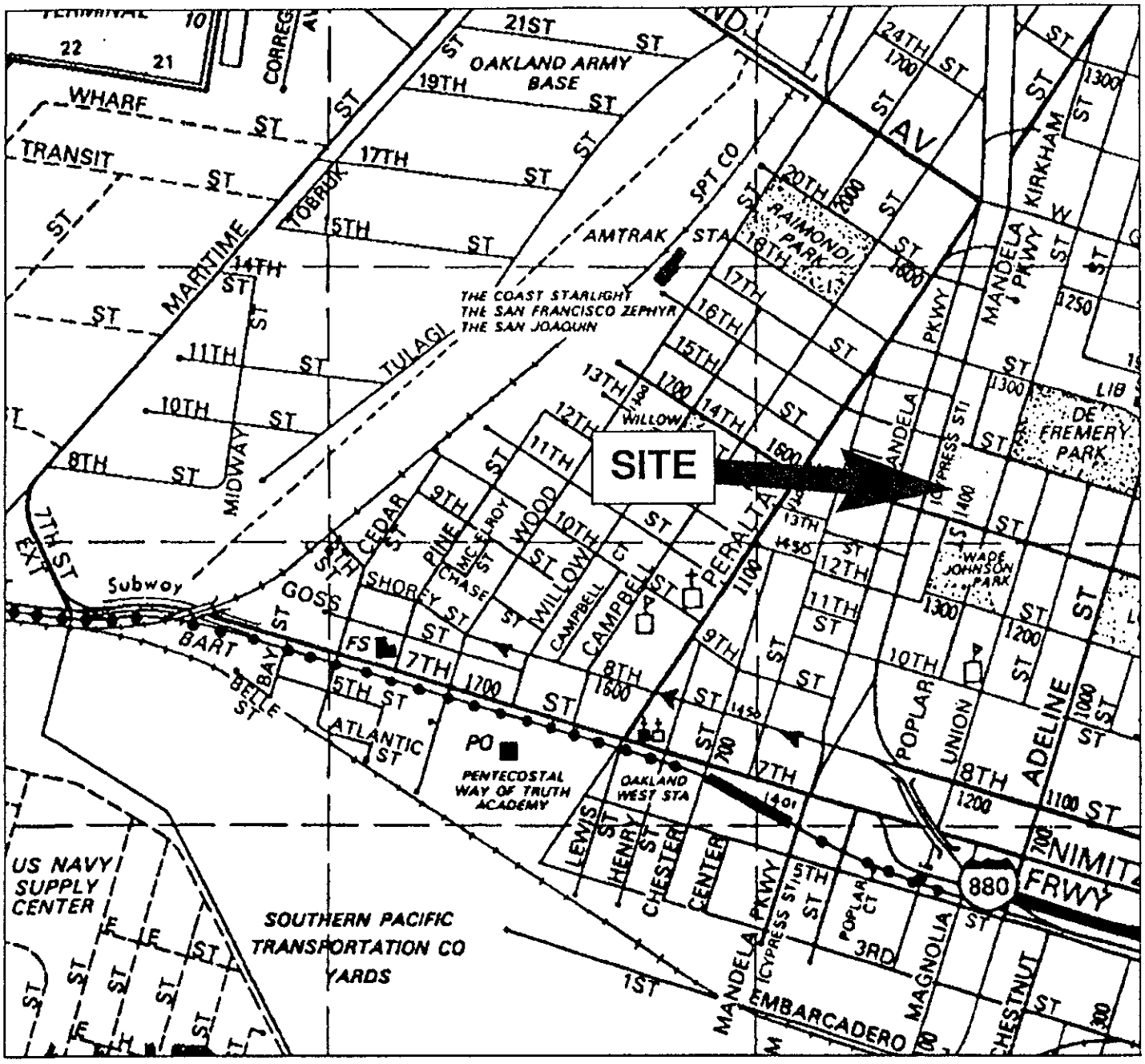


REFERENCE 1992, ALAMEDA COUNTY, THOMAS GUIDE MAP, PAGE 7

N

W E

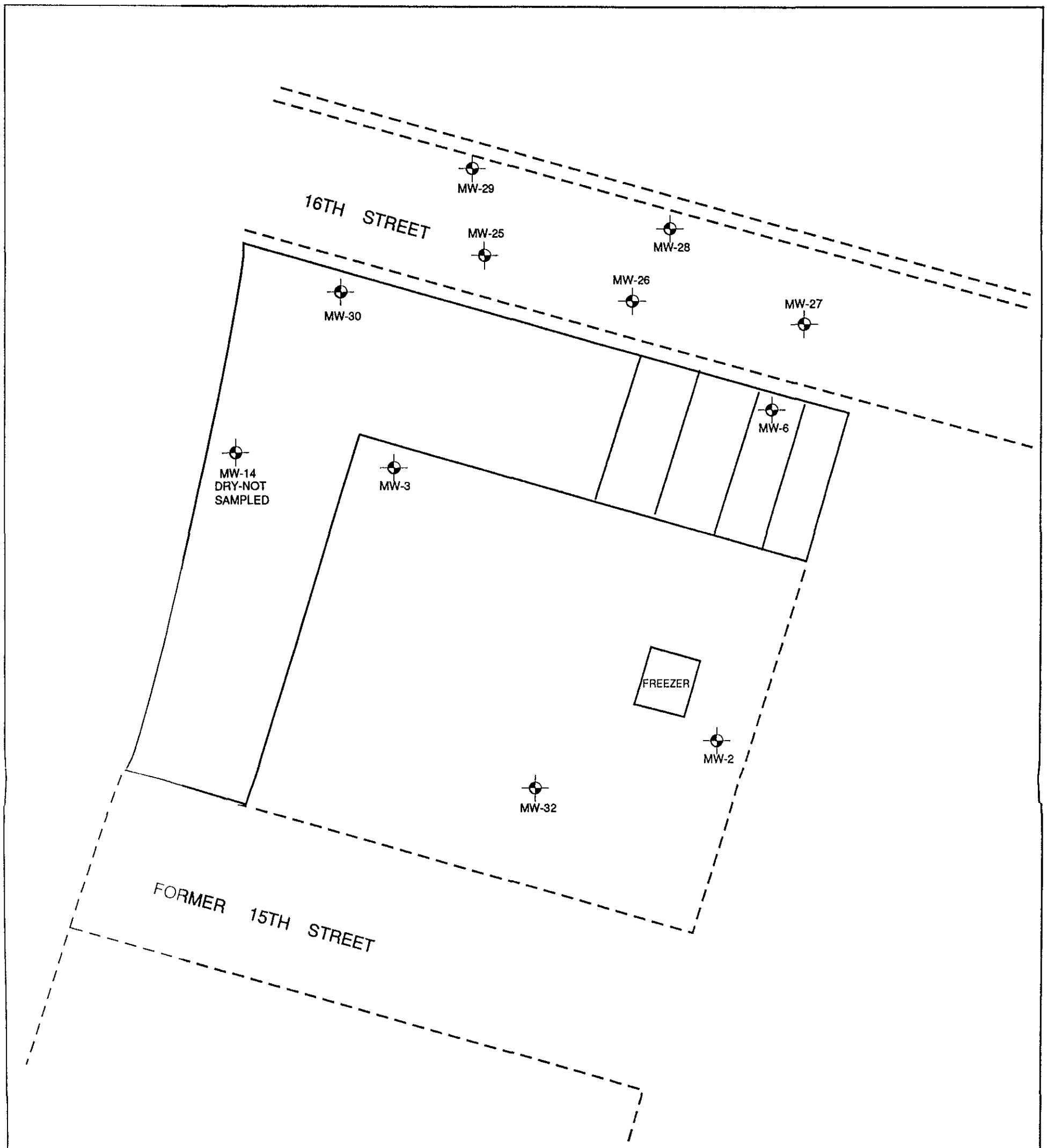
S

SCALE: 1INCH EQUALS APPROXIMATELY 1,200 FEET

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

Park Environmental

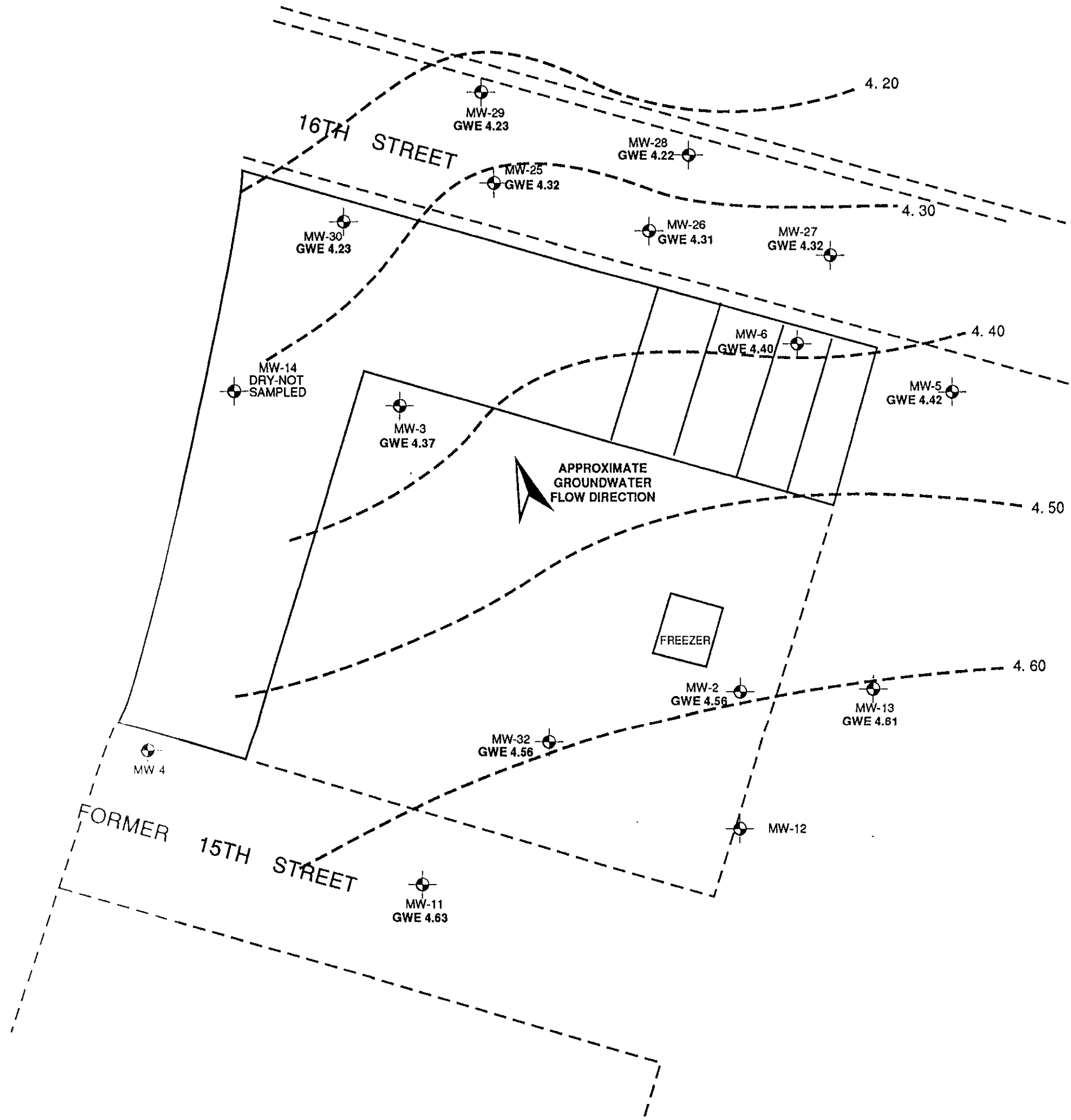
FIGURE 1



SITE PLOT PLAN
SHOWING GROUNDWATER
MONITORING WELLS
SAMPLED NOVEMBER, 1993
CARNATION COMPANY
1310 14TH STREET
OAKLAND, CALIFORNIA
PROJECT # 5008-J12
5008-J12-1

FIGURE 2

Park Environmental
Leaving A Clean Environment.



GROUNDWATER ELEVATION MAP
NOVEMBER 4, 1993
CARNATION COMPANY
1310 14TH STREET
OAKLAND, CALIFORNIA
PROJECT # 5008-J12
5008-J12-4

Park Environmental
Leaving A Clean Environment

FIGURE 3

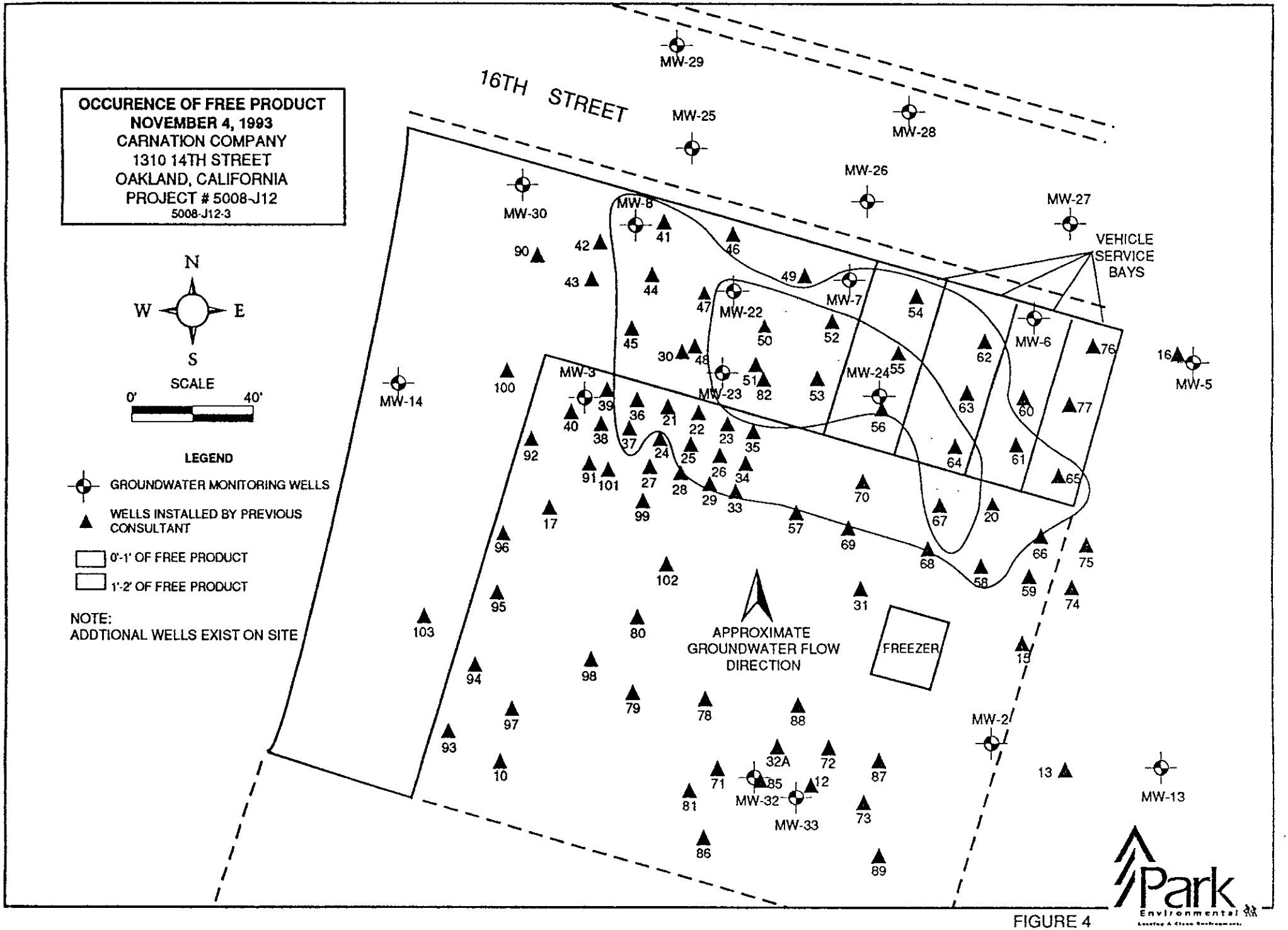

OCCURENCE OF FREE PRODUCT
NOVEMBER 4, 1993
CARNATION COMPANY
1310 14TH STREET
OAKLAND, CALIFORNIA
PROJECT # 5008-J12
5008-J12-3
N
W
E
S
SCALE
0'
40'
LEGEND
GROUNDWATER MONITORING WELLS
WELLS INSTALLED BY PREVIOUS CONSULTANT
0'-1' OF FREE PRODUCT
1'-2' OF FREE PRODUCT
NOTE:
ADDTIONAL WELLS EXIST ON SITE
16TH STREET
MW-29
MW-25
MW-28
MW-26
MW-27
MW-30
MW-8
VEHICLE SERVICE BAYS
MW-7
MW-22
MW-6
MW-5
MW-14
MW-3
MW-23
MW-24
APPROXIMATE GROUNDWATER FLOW DIRECTION
FREEZER
MW-2
MW-32
MW-33
MW-13

FIGURE 4

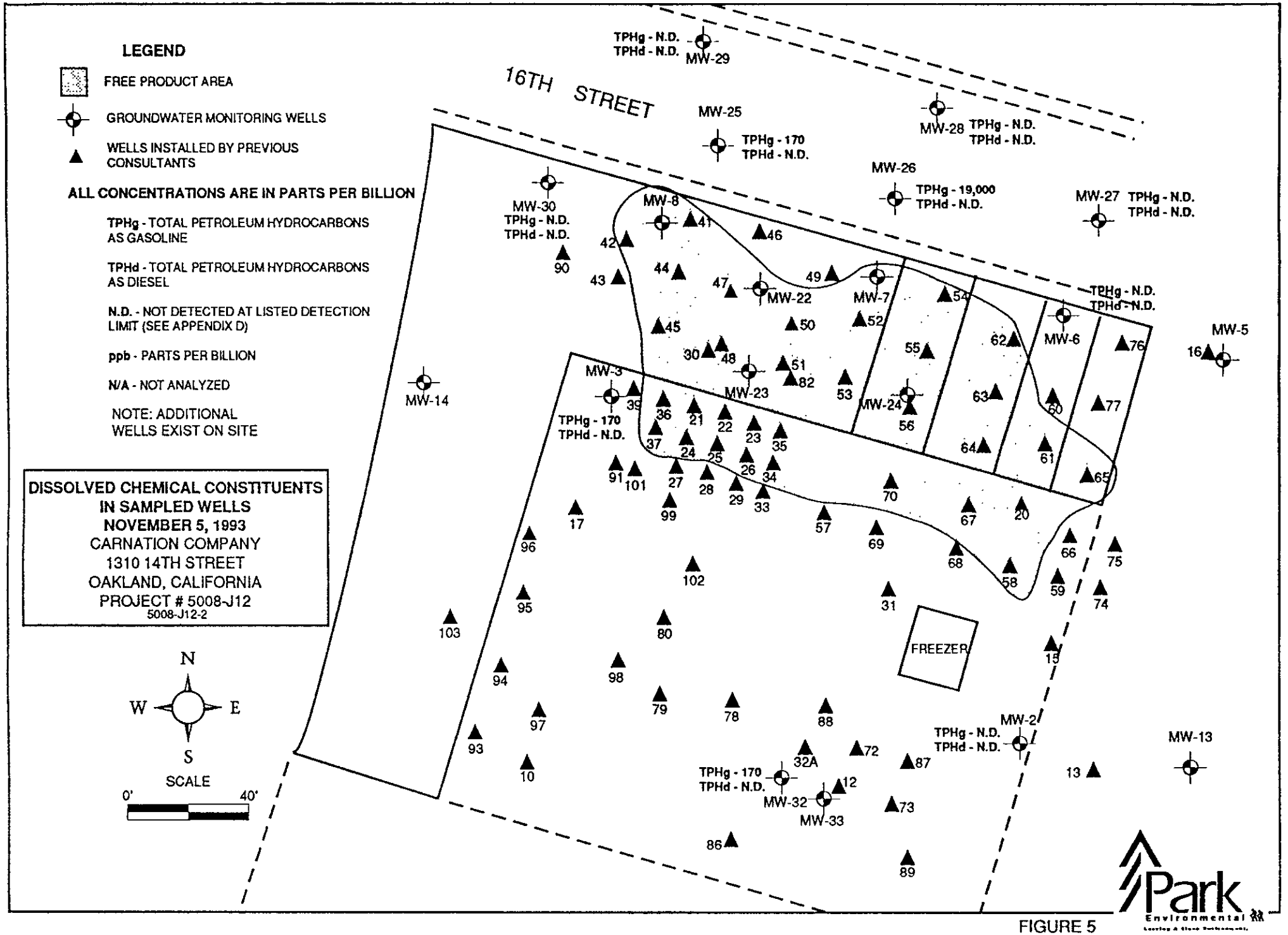


FIGURE 5

Park Environmental

TABLE I
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	.79	4	-
MW-8	9.87	10.29	14.20	.42	-	-
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	-	-	-
MW-22	9.82	11.65	14.44	1.83	2	-
MW-23	9.89	11.10	-	1.21	2	-
MW-24	9.90	11.67	14.67	1.77	2	-
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	.91	2	-
PR-21	9.87	10.50	14.37	.63	2	-
PR-22	9.38	10.36	14.43	.98	2	-

TABLE I (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	.67	2	-
PR-24	-	9.93	-	-	-	-
PR-26	9.69	10.29	14.38	.60	2	-
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	.66	2	-
PR-35	9.77	10.39	14.55	.62	2	-
PR-37	9.71	10.12	-	.41	-	-
PR-39	-	10.04	-	-	-	-
PR-41	10.21	10.80	-	.59	2	-
PR-42	-	10.33	-	-	-	-
PR-43	-	10.33	-	-	-	-
PR-44	10.27	10.51	-	.24	2	-
PR-45	10.09	10.26	-	.17	2	-
PR-46	-	10.71	-	-	2	-
PR-47	9.98	10.73	-	.75	2	-
PR-48	9.95'	11.07'	-	1.12	2	-
PR-49	-	10.20	-	-	2	-
PR-50	9.76	10.84	-	1.08	2	-
PR-52	9.92	10.93	-	1.01	2	-
PR-53	9.68	10.83	-	1.15	2	-
PR-54	9.68	10.65	-	.97	2	-
PR-55	9.61	11.09	-	1.48	2	-
PR-56	9.77	10.67	-	.90	2	-
PR-57	-	-	-	-	2	-
PR-58	9.50	10.46	-	.96	2	-
PR-59	-	9.67	-	-	2	-

TABLE I (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	-	.25	2	-
PR-62	10.11	10.15	-	.04	2	-
PR-64	9.82	11.31	-	1.49	2	-
PR-65	10.01	10.05	-	.04	2	-
PR-66	-	9.78	-	-	2	-
PR-67	9.44	10.49	-	1.05	2	-
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

TABLE II
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	14.30	-	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	-
MW-8	8.93	9.43	14.20	0.50	-	-
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	14.10	-	-	-
MW-22	8.75	11.33	14.44	2.58	2	-
MW-23	8.75	10.69	-	1.94	2	-
MW-24	8.78	11.16	14.67	2.38	2	-
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*	-	7.50	12.60	-	4	5.10
MW-30*	-	9.39	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	-
PR-21	8.71	10.29	14.37	1.58	2	-
PR-22	8.58	10.17	14.43	1.59	2	-

TABLE II (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-23	8.28	10.12	14.47	1.84	2	-
PR-26	8.41	10.21	14.38	1.80	2	-
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	-
PR-35	8.56	10.27	14.55	1.71	2	-
PR-36	8.58	10.17	-	1.59	2	-
PR-37	8.50	9.91	-	1.41	2	-
PR-41	9.04	9.12	-	0.08	2	-
PR-43	-	9.36	-	-	-	-
PR-44	9.27	9.66	-	0.39	2	-
PR-45	9.11	9.46	-	0.35	2	-
PR-46	-	9.28	-	-	2	-
PR-47	8.38	8.60	-	0.22	2	-
PR-48	8.85	10.71	-	1.86	2	-
PR-49	-	9.20	-	-	2	-
PR-50	8.82	9.85	-	1.03	2	-
PR-52	8.88	10.25	-	1.37	2	-
PR-53	8.61	10.42	-	1.81	2	-
PR-54	8.63	9.83	-	1.20	2	-
PR-55	8.35	10.75	-	2.40	2	-
PR-56	8.79	10.44	-	1.65	2	-
PR-58	8.33	10.21	-	1.88	2	-
PR-59	-	8.52	-	-	2	-
PR-61	9.08	9.57	-	0.49	2	-

TABLE II (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	-
PR-64	8.72	10.73	-	2.01	2	-
PR-65	9.00	9.35	-	0.35	2	-
PR-66	-	8.68	-	-	2	-
PR-67	8.54	9.46	-	0.92	2	-
PR-68	-	8.80	-	-	2	-
PR-69	-	8.49	-	-	2	-
PR-70	8.67	10.79	-	2.12	2	-
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

TABLE III
GROUNDWATER MEASUREMENTS
MARCH 18 AND 19, 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	-	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	-
MW-8	7.34	7.64	14.20	0.30	-	-
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	14.85	-	4	7.47
MW-14	-	No Water	14.10	-	-	-
MW-22	6.98	-	14.44	>3.0	2	-
MW-23	7.04	8.44	-	1.40	4	-
MW-24	7.45	-	14.67	>3.0	2	-
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	-
PR-21	6.60	9.36	14.37	2.76	2	-

B:5008J3.TBL

TABLE III (continued)
GROUNDWATER MEASUREMENTS
MARCH 18 AND 19,1993

Well No.	Depth to Product (FT) (TOC)	Depth to Water (FT) (TOC)	Casing Elevation (FT)	Product Thickness (FT)	Well Diameter (IN)	GWE (FT)
PR-22	6.50	-	14.43	>3.0	2	-
PR-23	6.72	7.78	14.47	1.06	2	-
PR-26	6.54	8.59	14.38	2.05	2	-
PR-27	-	7.08	-	-	2	-
PR-28	-	6.92	-	-	2	-
PR-33	-	6.81	14.36	-	2	7.55
PR-34	6.20	9.01	14.49	2.81	2	-
PR-35	6.56	-	14.55	>3.0	2	-
PR-36	6.83	8.26	-	1.43	2	-
PR-37	6.05	8.40	-	2.35	2	-
PR-38	-	7.32	14.47	-	2	7.15
PR-41	7.21	7.63	-	0.42	2	-
PR-43	-	7.69	-	-	-	-
PR-44	7.72	7.91	-	0.19	2	-
PR-45	7.49	7.59	-	0.10	2	-
PR-46	-	7.63	-	-	2	-
PR-47	7.50	7.50	-	SHEEN	2	-
PR-48	6.73	-	-	>3.0	2	-
PR-49	-	7.35	-	-	2	-
PR-50	7.13	8.02	-	0.89	2	-
PR-51	6.67	-	-	>3.0	2	-
PR-52	7.17	8.33	-	1.16	2	-
PR-53	6.49	-	-	>3.0	2	-
PR-54	6.96	8.16	-	1.20	2	-
PR-55	7.03	8.34	-	1.31	2	-

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TABLE III
GROUNDWATER MEASUREMENTS CONT.
MARCH 18 AND 19, 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-61	7.28	7.63	-	0.5	2	-
PR-62	7.38	7.45	-	0.07	2	-
PR-64	6.43	-	-	>3.0	2	-
PR-65	6.89	6.98	-	0.09	2	-
PR-66	-	6.77	-	-	2	-
PR-67	6.95	7.76	-	0.81	2	-
PR-68	-	6.84	-	-	2	-
PR-69	-	5.92	-	-	2	-
PR-70	6.43	8.02	-	1.59	2	-
PR-76	-	7.74	-	-	2	-
PR-77	-	7.52	-	-	2	-

TOC - Top of Casing
GWE - Groundwater Elevation
* - Groundwater Samples Obtained for this Investigation

TABLE IV
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	-	12.60	16.49	-	4	3.89
MW-3*	-	10.23	14.30	-	4	4.07
MW-4	-	No Water	14.42	-	4	-
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	-
MW-8	10.17	10.63	14.20	0.46	-	-
MW-10	-	11.25	15.73	-	4	4.48
MW-13	-	10.62	14.85	-	4	4.23
MW-14	-	No Water	14.10	-	-	-
MW-22	9.97	12.77	14.44	2.80	2	-
MW-24	10.20	12.24	14.67	2.04	2	-
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	12.60	-	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-20	9.79	10.65	14.36	0.86	2	-
PR-21	10.10	11.04	14.37	0.94	2	-
PR-22	10.05	10.75	14.43	0.70	2	-
PR-23	9.85	10.56	14.47	0.71	2	-
PR-26	10.01	10.81	14.38	0.80	2	-
PR-27	-	10.16	-	-	2	-

TABLE IV (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	10.10	10.80	14.49	0.70	2	-
PR-35	10.11	10.71	14.55	0.60	2	-
PR-38	-	10.50	14.47	-	2	3.97
PR-41	10.51	11.19	-	0.68	2	-
PR-43	-	10.70	-	-	-	-
PR-44	10.50	11.12	-	0.62	2	-
PR-45	10.41	10.70	-	0.29	2	-
PR-46	-	10.61	-	-	2	-
PR-47	10.07	12.52	-	2.45	2	-
PR-48	10.30	11.50	-	1.20	2	-
PR-49	-	10.56	-	-	2	-
PR-50	10.03	11.68	-	1.60	2	-
PR-52	10.23	11.52	-	1.29	2	-
PR-53	10.02	11.31	-	1.29	2	-
PR-54	10.04	10.83	-	0.79	2	-
PR-55	9.97	11.83	-	1.86	2	-
PR-56	10.12	11.29	-	1.17	2	-
PR-57	-	9.81	-	-	2	-
PR-58	9.92	11.02	-	1.10	2	-
PR-59	-	9.96	-	-	2	-
PR-60	-	10.64	-	-	2	-
PR-61	10.44	10.78	-	0.34	2	-
PR-62	10.37	10.89	-	0.52	2	-
PR-64	10.14	11.65	-	1.51	2	-

TABLE IV (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	-
PR-74	-	10.30	-	-	2	-
PR-75	-	10.36	-	-	2	-
PR-76	-	10.58	-	-	2	-
PR-77	-	10.11	-	-	2	-
V-89	-	9.70	-	-	4	-
V-90	-	9.70	-	-	4	-

TOC - Top of Casing
GWE - Groundwater Elevation
* - Groundwater Samples Obtained for this Investigation

TABLE V
GROUNDWATER PURGING DATA
NOVEMBER 4, 1993

Well Number	Total Gallons Removed	pH	Specific Conductance x1000	Temperature in Fahrenheit
MW-2-P	5	7.7	1.20	69.4
	20	7.6	1.24	71.1
	30	7.4	1.24	71.3
MW-3-P	10	7.9	1.67	71.3
	20	7.8	1.63	71.0
	25	7.5	1.60	70.5
	30	7.4	1.57	71.0
MW-6-P*	1	8.3	0.90	62.7
	2	7.6	0.83	63.6
	3	7.2	0.81	64.2
	5	7.1	0.80	64.4
MW-25**	10	7.9	1.22	67.1
	15	7.8	1.41	68.5
MW-26	5	8.3	0.92	67.3
	20	8.0	1.03	68.3
	30	7.7	1.23	67.7
	35	7.6	1.28	67.7
MW-27	5	9.3	1.08	71.7
	15	9.2	0.89	70.9
	25	8.9	0.95	69.1
	35	8.7	0.94	69.2
MW-28	10	8.5	0.37	69.4
	20	8.5	0.44	69.7
	25	8.4	0.48	70.7
	35	8.2	0.50	69.7
MW-29	5	8.4	0.25	68.2
	20	8.6	0.21	69.1
	30	8.6	0.21	69.4
	35	8.6	0.19	69.3
MW-30	10	7.8	0.73	65.3
	20	7.6	0.95	66.3
	30	7.5	0.98	66.7
MW-32	10	7.5	1.12	72.9
	20	7.3	1.12	72.2
	25	7.3	1.08	72.3
	30	7.3	1.10	72.8

* 2 inch well hand bailed using a new disposable bailer

** Well was pumped dry at approximately 17 gallons

TABLE VI
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	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	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

MW-5

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	120	ND 1000	N/A	N/A	ND 1	ND 1	ND 1	2.2	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	2.2	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

MW-6

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

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TABLE VI (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	PESTI-CIDES	8010 OR 8240 COM-POUNDS	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	49	ND	ND	1.2	N/A	N/A	N/A	N/A	PARK

TABLE VI (continued)
Groundwater Chemical Constituent Results
MW-13
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	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 VI (continued)
Groundwater Chemical Constituent Results
MW-14
All values reported in micrograms per liter or ug/l

SAMPLE DATE	TPH		TPH MOTOR OIL	OIL/ GREASE					TOTAL LEAD	PCB	PESTI-CIDES	8240 COM-POUNDS	SAMPLER
	GAS	DIESEL			B	T	E	X					
3-27-89	ND 500	ND 500	N/A	N/A	ND 0.3	ND 0.3	ND 0.3	ND 0.3	ND 44	N/A	N/A	N/A	AGE
4-27-89	ND 0.5	ND 0.5	N/A	N/A	ND 0.3	ND 0.3	ND 0.3	ND 0.3	ND 44	N/A	N/A	N/A	AGE
6-7-89	ND 0.5	ND 0.5	N/A	ND 50	ND 0.3	ND 0.3	ND 0.3	ND 0.3	ND 44	N/A	N/A	N/A	AGE
8-30-89	ND 0.5	ND 0.2	N/A	N/A	ND 0.5	ND 0.5	ND 0.5	ND 0.5	18	ND 1.0	N/A	N/A	AGE
6-25-91	ND 0.5	ND 0.5	ND 500	N/A	ND 5	ND 5	ND 5	ND 5	N/A	N/A	N/A	ND 5-10	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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	PARK
3-23-93*	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
7-27-93*	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
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

* NO WATER PRESENT IN WELL/NO SAMPLES TAKEN

TABLE VI (continued)
Groundwater Chemical Constituent Results
MW-25
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					
9-13-89	ND 50	80	N/A	ND 1000	14	0.4	ND 0.3	ND 0.7	N/A	ND 1	ND 1	N/A	AGE
10-3-89	82	ND 50	N/A	ND 2000	29	4.7	ND 1.0	1.2	ND 50	ND 0.5	N/A	N/A	AGE
11-15-89	ND 50	ND 500	N/A	ND 20	30	2.1	ND 1	ND 1	ND 50	ND 500	N/A	N/A	AGE
6-25-91	ND 50	ND 50	ND 500	N/A	0.8	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	3.5	5.7	1.3	6.6	N/A	N/A	N/A	N/A	HLA
12-16-91	N/A	N/A	N/A	N/A	2.2	12	12	55	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	28	100	19	110	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	170	ND 1000	N/A	N/A	4.2	4.4	2.5	20	N/A	N/A	N/A	N/A	PARK

TABLE VI (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 COM-POUND	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

* See Laboratory Report for result explanation - Appendix C

TABLE VI (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 COM-POUNDS	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

TABLE VI (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

TABLE VI (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

TABLE VI (continued)
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

TABLE VI (continued)
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	PEST-ICIDES	8010 or 8240 COM-POUNDS	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	1.8	2.1	N/A	N/A	N/A	7.9 1,2 DCA	PARK

KEY TO TABLE VI

ug/l-Micrograms per liter or parts per billion
ND-Not Detected at Detection Limit Stated
N/A-Not Analyzed
TPH-Total Petroleum Hydrocarbons
BTEX-Benzene, Toluene, Ethylbenzene, Total Xylenes
1,2-DCA1,2 Dichloroethane
TCE-Trichloroethene

AGE-ANANIA GEOLOGIC ENGINEERING
HLA-HARDING LAWSON ASSOCIATES
PARK-PARK ENVIRONMENTAL CORPORATION

Note: Analytical test results provided in tables were obtained directly from sampler final reports.

SIERRA
LABORATORIES

Date: November 19,1993

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:	Nov-05-93
Date Samples Received:	Nov-09-93
Sierra Project Number:	SP-844-93

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

1525 ENDEAVOR PLACE
SUITE D
ANAHEIM, CA 92801

TEL: 714.758.9988
FAX: 714.758.9692

Park Environmental Corporation	Sierra Client No.	10000-92	Date Sampled:	11/05/93
4231 Pacific Street, Suite 7	Sierra Project No.	SP-844-93	Date Received:	11/09/93
Anaheim, California 95677	Client Project No.	5008-J12	Date Prepared:	11/10/93
	Client Project:		Date Analyzed:	11/10/93
	N/A			
Sample Preparation: EPA Method 5030				
Sample Analysis: EPA 8010 (Halogenated Volatiles)			Report Date:	11/19/93

Sample Type: Liquid

Sample I.D. MW-26

Compound	Sample Result (µg/l)	Method Detection 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)	120	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	Sierra Client No. 10000-92	Date Sampled:	11/05/93
4231 Pacific Street, Suite 7	Sierra Project No. SP-844-93	Date Received:	11/09/93
Anaheim, California 95677	Client Project No. 5008-J12	Date Prepared:	11/10/93
	Client Project: N/A	Date Analyzed:	11/10/93

Sample Preparation: EPA Method 5030
Sample Analysis: EPA 8010 (Halogenated Volatiles) Report Date: 11/19/93

Sample Type: Liquid
Sample I.D. MW-32

Compound	Sample Result (µg/l)	Method Detection 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)	7.9	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	Sierra Client No.	10000-92	Date Sampled:	.11/05/93
4231 Pacific Street, Suite 7	Sierra Project No.	SP-844-93	Date Received:	.11/09/93
Anaheim, California 95677	Client Project No.	5008-J12	Date Prepared:	.11/17/93
	Client Project:		Date Analyzed:	.11/17/93
	N/A			
Sample Preparation:	EPA Method 5030			
Sample Analysis:	8015-Modified (TPH as Gasoline-CADHS LUFT) and EPA 8020 (BTEX) in series		Report Date:	.11/19/93

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	3.5
MW-3	170	49	ND	ND	1.2
MW-6	ND	11	ND	ND	3.7
MW-25	170	4.2	4.4	2.5	20
MW-26	19000	4700	1300	9.0	1400
MW-27	ND	ND	ND	ND	2.6
MW-28	ND	ND	ND	ND	2.1
MW-29	ND	ND	ND	1.2	11
MW-30	ND	ND	ND	ND	2.8
MW-32	170	20	ND	1.8	2.1
Equip Blk	ND	N/A	N/A	N/A	N/A
Dup	ND	N/A	N/A	N/A	N/A

N/A - Not Analyzed

	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		Sierra Client No.	10000-92	Date Sampled:	11/05/93
4231 Pacific Street, Suite 7		Sierra Project No.	SP-844-93	Date Received:	11/09/93
Anaheim, California 95677		Client Project No.	5008-J12	Date Prepared:	11/18/93
		Client Project:		Date Analyzed:	11/18/93
		N/A			
Sample Preparation:	Solvent Extraction				
Sample Analysis:	8015-Modified (TPH as Diesel-CADHS LUFT)			Report Date:	11/19/93

Sample Type: Liquid

Client Sample I.D.	TPH mg/l
MW-2	ND
MW-3	ND
MW-6	ND
MW-25	ND
MW-26	9.4 *
MW-27	ND
MW-28	ND
MW-29	ND
MW-30	ND
MW-32	ND

* - Result quantified with respect to diesel standard. Contamination does not appear to be diesel, but more closely resembles a weathered gasoline fraction.

	TPH mg/l
Detection Limit:	1.0

Park Environmental Corporation	Sierra Client No.	10000-92	Date Sampled: 11/05/93
4231 Pacific Street, Suite 7	Sierra Project No.	SP-844-93	Date Received: 11/09/93
Anaheim, California 95677	Client Project No.	5008-J12	Date Prepared: 11/10/93
	Client Project:		Date Analyzed: 11/10/93
	N/A		
Sample Preparation: EPA Method 5030			
Sample Analysis: EPA 8010 (Halogenated Volatiles)			Report Date: 11/19/93

Matrix/Spike Duplicate Report

	1,1-DCE (Range)	1,1,1-TCA (Range)	TCE (Range)	Chlorobenzene (Range)
Matrix Spike Recovery (%)	89 (28-167)	104 (41-138)	111 (35-146)	91 (38-150)
Matrix Spike Duplicate Recovery (%)	90 (28-167)	106 (41-138)	110 (35-146)	93 (38-150)
Relative Per-cent Difference	1 (0-30)	2 (0-30)	1 (0-30)	2 (0-30)

Quality Control Reference Number: G002-111093-G2B0014-111-112

Park Environmental Corporation	Sierra Client No.	10000-92	Date Sampled:	11/05/93
4231 Pacific Street, Suite 7	Sierra Project No.	SP-844-93	Date Received:	11/09/93
Anaheim, California 95677	Client Project No.	5008-J12	Date Prepared:	11/17/93
	Client Project: N/A		Date Analyzed:	11/17/93
Sample Preparation: EPA Method 5030				
Sample Analysis: 8015-M as Gasoline			Report Date:	11/19/93

Matrix/Spike Duplicate Report

Sample Type: Liquid

	TPH-Gasoline	(Range)
Matrix Spike Recovery (%)	105	(50-150)
Matrix Spike Duplicate Recovery (%)	112	(50-150)
Relative Per-cent Difference	7	(0-30)

Quality Control Reference Number: G001-111793-G1B00025-189-190

Park Environmental Corporation	Sierra Client No.	10000-92	Date Sampled:	.11/05/93
4231 Pacific Street, Suite 7	Sierra Project No.	SP-844-93	Date Received:	.11/09/93
Anaheim, California 95677	Client Project No.	5008-I12	Date Prepared:	.11/17/93
	Client Project:		Date Analyzed:	.11/17/93
	N/A			
Sample Preparation: EPA Method 5030				
Sample Analysis: EPA 8020 (BTEX)			Report Date:	.11/19/93

Matrix/Spike Duplicate Report

Sample Type: Liquid

	Benzene (Range)	Toluene (Range)	Ethylbenzene (Range)	Xylenes, Total (Range)
Matrix Spike Recovery (%)	80 (39-150)	98 (46-148)	99 (32-160)	106 (37-154)
Matrix Spike Duplicate Recovery (%)	83 (39-150)	103 (46-148)	104 (32-160)	107 (37-154)
Relative Per-cent Difference	3 (0-30)	5 (0-30)	5 (0-30)	1 (0-30)

Quality Control Reference Number: G001-111793-G1B00025-189-190

Park Environmental Corporation		Sierra Client No.	10000-92	Date Sampled:	11/05/93
4231 Pacific Street, Suite 7		Sierra Project No.	SP-844-93	Date Received:	11/09/93
Anaheim, California 95677		Client Project No.	5008-J12	Date Prepared:	11/18/93
		Client Project:	N/A	Date Analyzed:	11/18/93
Sample Preparation:	Solvent Extraction				
Sample Analysis:	8015-Modified (TPH as Diesel-CADHS LUFT)			Report Date:	11/19/93

Matrix/Spike Duplicate Report

Sample Type: Liquid

	TPH-Diesel
Matrix Spike Recovery (%)	87
Matrix Spike Duplicate Recovery (%)	88
Relative Per-cent Difference	1

Quality Control Reference Number: G001-111893-G1B00026-021-022

Park Environmental Corporation	Sierra Client No. 10000-92	Date Sampled:	.11/05/93
4231 Pacific Street, Suite 7	Sierra Project No. SP-844-93	Date Received:	.11/09/93
Anaheim, California 95677	Client Project No. 5008-J12	Date Prepared:	.11/10-11/18/93
	Client Project: N/A	Date Analyzed:	.11/10-11/18/93
		Report Date:	.11/19/93

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	96	(50-130)
MW-3	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	104	(50-130)
MW-6	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	97	(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	102	(50-130)
MW-27	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	97	(50-130)
MW-28	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	101	(50-130)
MW-29	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	100	(50-130)
MW-30	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	99	(50-130)
MW-32	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	96	(50-130)
MW-2	8015-Modified (TPH as Diesel-CADHS LUFT)	124	(50-130)
MW-3	8015-Modified (TPH as Diesel-CADHS LUFT)	107	(50-130)
MW-6	8015-Modified (TPH as Diesel-CADHS LUFT)	106	(50-130)
MW-25	8015-Modified (TPH as Diesel-CADHS LUFT)	107	(50-130)
MW-26	8015-Modified (TPH as Diesel-CADHS LUFT)	124	(50-130)
MW-27	8015-Modified (TPH as Diesel-CADHS LUFT)	129	(50-130)
MW-28	8015-Modified (TPH as Diesel-CADHS LUFT)	114	(50-130)
MW-29	8015-Modified (TPH as Diesel-CADHS LUFT)	112	(50-130)
MW-30	8015-Modified (TPH as Diesel-CADHS LUFT)	111	(50-130)
MW-32	8015-Modified (TPH as Diesel-CADHS LUFT)	114	(50-130)
Equip Blk	8015-Modified (TPH as Gasoline-CADHS LUFT)	100	(50-130)
Dup	8015-Modified (TPH as Gasoline-CADHS LUFT)	100	(50-130)
MW-26	EPA 8010 (Halogenated Volatiles)	100	(30-160)
MW-32	EPA 8010 (Halogenated Volatiles)	103	(30-160)

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

Sierra Client No.	10000-92	Date Sampled:	11/05/93
Sierra Project No.	SP-844-93	Date Received:	11/09/93
Client Project No.	5008-J12	Date Prepared:	11/10-11/18/93
Client Project:		Date Analyzed:	11/10-11/18/93
N/A			
		Report Date:	11/19/93

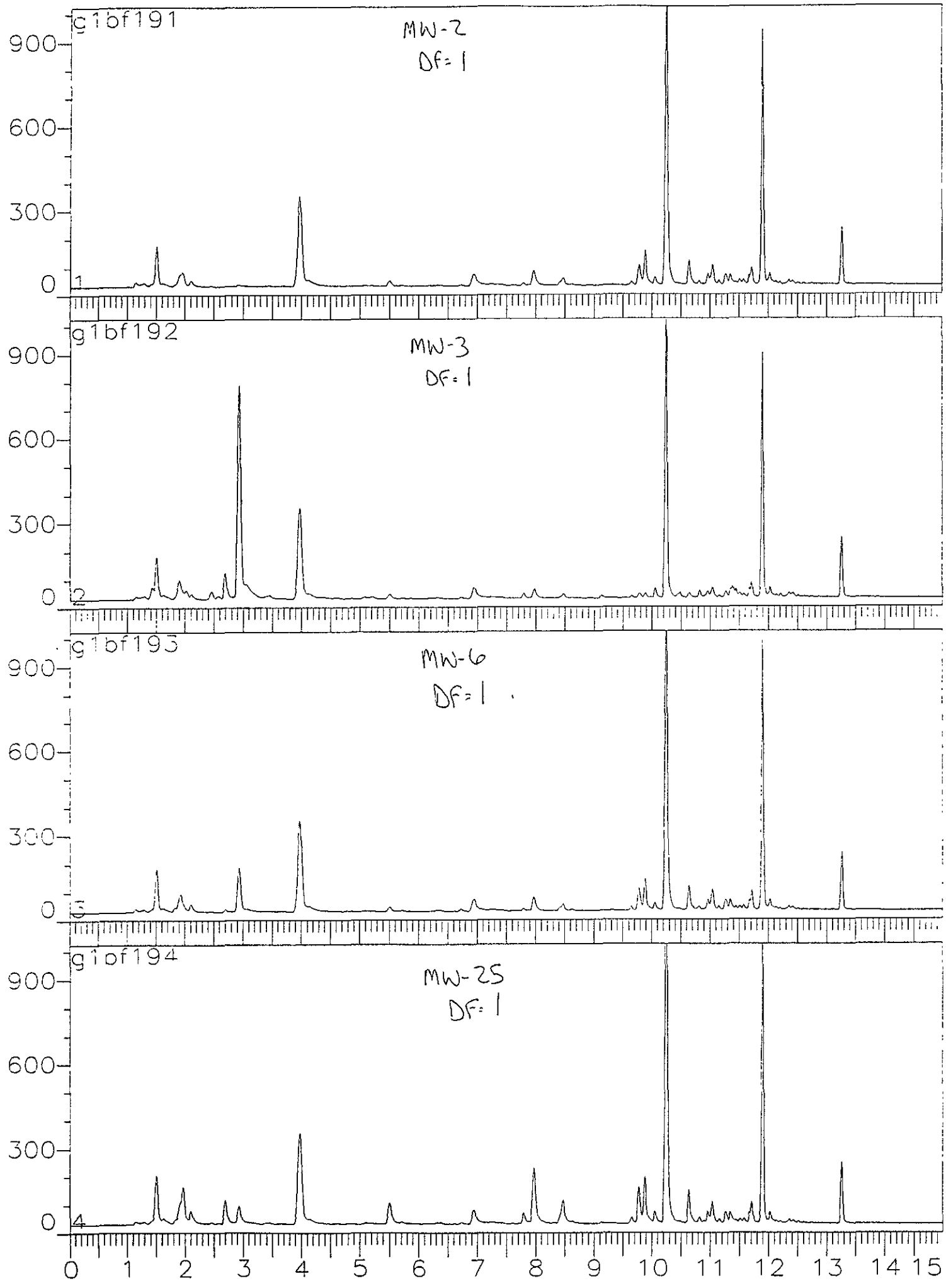
Laboratory Control Sample Report

Parameter	Analysis Type	Per-cent Recovery %	Range
TPH as Gasoline	EPA 8015-M	116	(50-150)
	Quality Control Reference Number:	G001-1117-G1B00025-187	

Compound	Analysis Type	Per-cent Recovery %	Range
Benzene	EPA 8020 (BTEX)	83	(39-150)
Toluene	EPA 8020 (BTEX)	100	(46-148)
Ethylbenzene	EPA 8020 (BTEX)	103	(32-160)
Xylenes (Total)	EPA 8020 (BTEX)	107	(37-154)
	Quality Control Reference Number:	G001-1117-G1B00025-187	

Parameter	Analysis Type	Per-cent Recovery %	Range
TPH as Diesel	EPA 8015-M	113	(50-150)
	Quality Control Reference Number:	G001-11893-G1B00026-023	

Compound	Analysis Type	Per-cent Recovery %	Range
1,1-Dichloroethene	EPA 8010 (Halogenated Volatiles)	92	(28-167)
1,1,1-Trichloroethane	EPA 8010 (Halogenated Volatiles)	105	(41-138)
Chlorobenzene	EPA 8010 (Halogenated Volatiles)	98	(38-150)
Trichloroethene (TCE)	EPA 8010 (Halogenated Volatiles)	109	(35-146)
	Quality Control Reference Number:	G002-111093-G2B0014-115	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MW-2
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300
0
1
g1bf192
MW-3
DF=1
900
600
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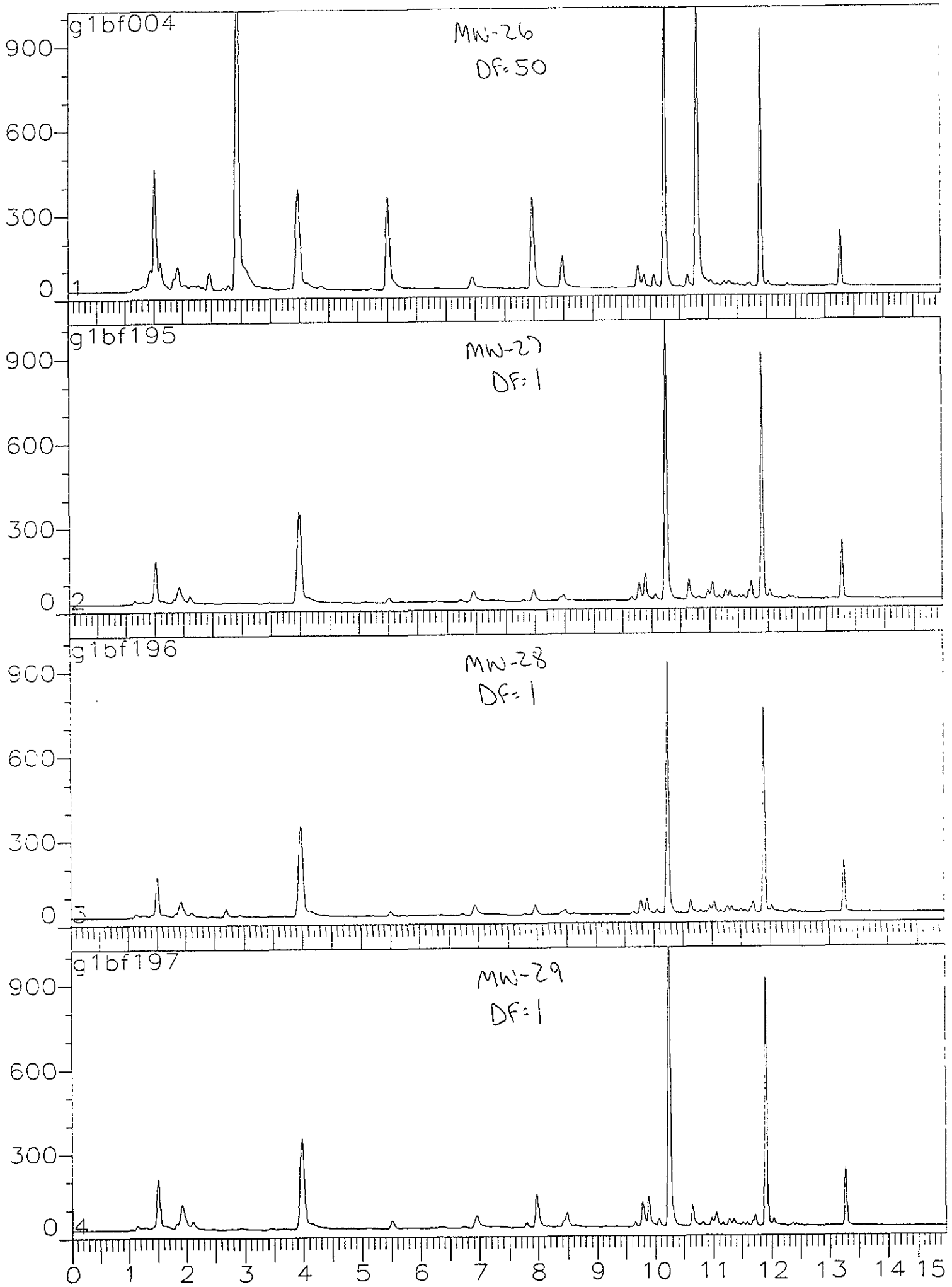
0
2
g1bf193
MW-6
DF=1
900
600
300
0
3
g1bf194
MW-25
DF=1
900
600
300
0
4
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15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MW-27
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g1bf196
MW-28
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MW-29
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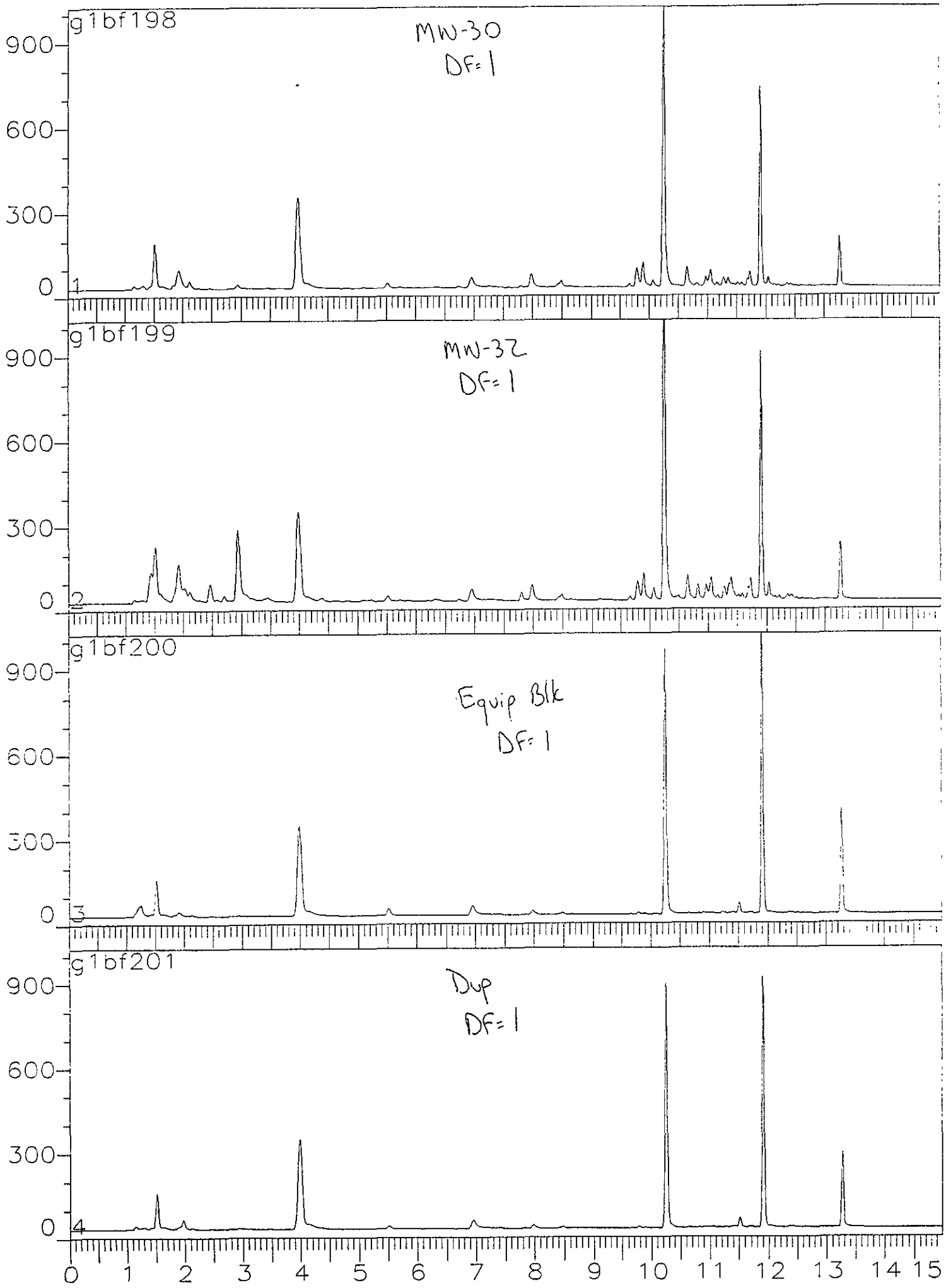
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15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Equip Blk
DF=1
900
600
300
0
3
g1bf201
Dup
DF=1
900
600
300
0
4
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

SIERRA LABORATORIES
TEL: 714 • 758 • 9988
FAX: 714 • 758 • 9692
1525 Endeavour Place • Suite D • Anaheim, CA • 92801

CHAIN OF CUSTODY RECORD

Nº 1000821

Date: 11/5/93 Page 1 of 2

Lab Project No.:

Client: PARK

Client Address: 4231 Pacific St. Suite 7
Rocklin, CA 95677

Client Tel. No.: 916-784-7400

Client Fax No.:

Client Proj. Mgr.: Peter Frank

Client Proj. Number/Proj. Name: 5008-J12

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

Analyses Requested

Client Sample No.	Date	Time	Matrix	Preservatives	Container Type	No. of Containers	8015 Modified (TPH as Gasoline - CADHS LUFT) and EPA 8020 (Aromatic Volatiles - BTEX) in Series	8015-Modified (TPH as Gasoline CADHS LUFT)	8015-Modified (TPH as Diesel - CADHS LUFT)	EPA 8020 (Volatile Aromatics - BTEX)	EPA 8010 (Volatile Halogenateds)	EPA 8010/8020 (Volatile Aromatics & Halogenateds)	EPA 418.1 (TRPH)	Total Lead EPA 6010 or EPA 7421 (Circle one)	Organic Lead (CADHS LUFT)				Comments
MW-2	11-5-93		Liq	HCl	VOA	4	X		X										
MW-3	11/5/93		Liq	HCl	VOA	4	X		X										
MW-6	11/5/93		Liq	HCl	VOA	4	X		X										
MW-25	11/5/93		Liq	HCl	VOA	4	X		X										
MW-26	11/5/93		Liq	HCl	VOA	6	X		X		X								
MW-27	11/5/93		Liq	HCl	VOA	4	X		X										
MW-28	11/5/93		Liq	HCl	VOA	4	X		X										
MW-29	11/5/93		Liq	HCl	VOA	4	X		X										
MW-30	11/5/93		Liq	HCl	VOA	4	X		X										
MW-32	11/5/93		Liq	HCl	VOA	6	X		X		X								

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

Total Number of Containers Submitted to Laboratory

Sample Disposal:
- ☐ Return to Client
- ☒ Lab Disposal
- ☐ Archive ____ mos.
- ☐ Other ______

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

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.

Total Number of Containers Received by Laboratory

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
- ☐ Chilled
- ☐ Intact
- ☐ Sample Seals
- ☐ Properly Labeled
- ☐ Appropriate Sample Container
- ☐ Appropriate Preservatives
- ☐ Other ______
- ☐ Other ______

Special Instructions:

Rev: 071693

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

SIERRA LABORATORIES
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CHAIN OF CUSTODY RECORD

N. 1000822

Date: 11,5,93 Page 2 of 2

Lab Project No.:

Client: PARK ENVIRONMENTAL
Client Address: 4231 Pacific Street Suite 7
ROCKLIN, CA 95677

Client Tel. No.: 916-784-7400
Client Fax No.:
Client Proj. Mgr.:

Client Proj. Number/Proj. Name: 5008-512

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

Analyses Requested

Client Sample No.	Date	Time	Matrix	Preservatives	Container Type	No. of Containers	8015-Modified (TPH as Gasoline - CADHS LUFT) and EPA 8020 (Aromatic Volatiles - BTEX) in Series	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)	Total Lead - EPA 6010 or EPA 7421 (Circle one)	Organic Lead (CADHS LUFT)			Comments
EQUIP BLK	11-5-93		Liq	HCl	VOA	2		X										
DUP	11-5-93		Liq	HCl	VOA	2		X										

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

Total Number of Containers Submitted to Laboratory

Sample Disposal:
- ☐ Return to Client
- ☑ Lab Disposal
- ☐ Archive ____ mos.
- ☐ Other ____

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.

2 Relinquished By:	Date:	Received By:	Date:
Company:	Time:	Company:	Time:
3 Relinquished By:	Date:	Received By:	Date:
Company:	Time:	Company:	Time:
4 Relinquished By:	Date:	Received By.	Date:
Company:	Time:	Company:	Time:

Total Number of Containers Received by Laboratory

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
- ☐ Chilled
- ☐ Intact
- ☐ Sample Seals
- ☐ Properly Labeled
- ☐ Appropriate Sample Container
- ☐ Appropriate Preservatives
- ☐ Other ____
- ☐ Other ____

Special Instructions:

Rev. 071693

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy