

Ultramar

Ultramar Inc.
P.O. Box 466
525 W. Third Street
Hanford, CA 93232-0466
(209) 582-0241

• Telecopy: 209-584-6113 Credit & Wholesale
209-583-3330 Administrative
209-583-3302 Information Services
209-583-3358 Accounting

August 10, 1990

Mr. Steven Ritchie
Regional Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street, Room 6040
Oakland, California 94607

**SUBJECT: BEACON SERVICE STATION NO. 720, 1088 MARINA BLVD.,
SAN LEANDRO, CALIFORNIA**

Dear Mr. Ritchie:

Enclosed for your review and files is a copy of DuPont Environmental Services Quarterly Groundwater Sampling Report for May 1990.

Please do not hesitate to call if you have any questions regarding this information.

Sincerely,

ULTRAMAR INC.



Terrence A. Fox
Environmental Specialist II

TAF/dch

Enclosure: DuPont Environmental Quarterly Groundwater Sampling Report

cc w/encl: Mr. Rafat A. Shahid, Chief
Hazardous Materials Divison
Alameda County Health Care Services
470 27th Street, Third Floor
Oakland, California 94612



A Member of the Ultramar Group of Companies

BEACON
#1 Quality and Service

QUARTERLY GROUND-WATER SAMPLING REPORT

MAY 1990

FAST GAS STATION
1088 MARINA BOULEVARD
SAN LEANDRO, CALIFORNIA

June 29, 1990

FOR

CONOCO INC.
600 NORTH DAIRY ASHFORD
TR 3056
HOUSTON, TEXAS 77079

PREPARED BY

DU PONT ENVIRONMENTAL SERVICES
7068 KOLL CENTER PARKWAY, SUITE 401
PLEASANTON, CALIFORNIA 94566

JUNE 29, 1990

JOB NO. 1088-Q12-47

Du Pont Environmental Services

INTRODUCTION	1
SUMMARY	1

LIST OF ILLUSTRATIONS

- FIGURE 1 - LOCATION MAP
- FIGURE 2 - GROUND-WATER GRADIENT MAP
- FIGURE 3 - ISOPLETH MAP OF BENZENE CONCENTRATIONS IN GROUND WATER

LIST OF TABLES

- TABLE A - GROUND-WATER POTENTIOMETRIC ELEVATIONS
- TABLE B - SUMMARY OF GROUND-WATER ANALYTICAL RESULTS

LIST OF APPENDICES

- APPENDIX A - GROUND-WATER SAMPLING PROCEDURES, LABORATORY TEST RESULTS, AND CHAIN-OF-CUSTODY FORMS
- APPENDIX B - GRAPHS ILLUSTRATING GROUND-WATER ANALYSES
- APPENDIX C - FIELD NOTES



Du Pont Environmental Services

June 29, 1990
Job No. 1088-Q12-47

Mr. Gregory P. Fletcher
Conoco Inc.
600 North Dairy Ashford
TR 3056
Houston, Texas 77079

SUBJECT: Quarterly Ground-Water Sampling Report
May 1990
Fast Gas Station
1088 Marina Boulevard
San Leandro, California

Dear Mr. Fletcher:

INTRODUCTION

This report presents the results of the quarterly ground-water sampling which was conducted at the Fast Gas Station, 1088 Marina Boulevard, San Leandro, California (see the Location Map, Figure 1), on **May 18, 1990**. The purpose of this sampling program is to monitor and evaluate the extent of hydrocarbon contamination in the ground water at the subject property.

SUMMARY

A summary of data regarding ground-water levels for the May 1990 quarter is presented in Table A. In general, ground-water levels have risen approximately 0.8 foot since the last quarterly sampling. The ground-water **gradient for this quarter is directed towards the southwest** at a magnitude of approximately 0.0025 (see the Ground-Water Gradient Map, Figure 2). Chemical analytical results indicate concentrations of petroleum hydrocarbons continue to be centered about MW-4 since the last quarter (see Table B and Appendix B). Figure 3 presents interpretive isopleths of benzene concentrations within the ground water for the site. This site is scheduled to be resampled during August 1990.

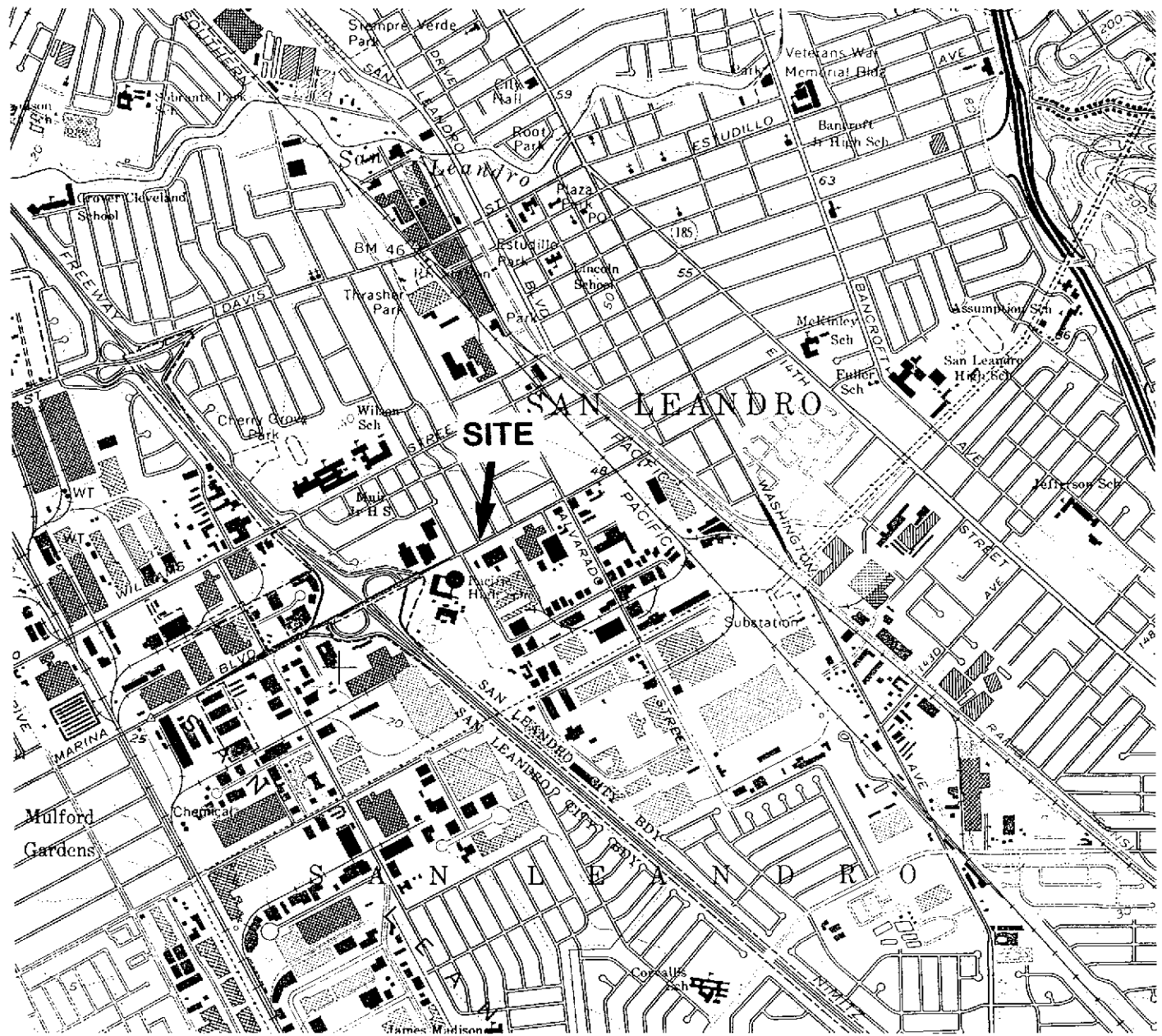
Respectfully submitted,

DU PONT ENVIRONMENTAL SERVICES

Marjorie Lane

Marjorie Lane
Staff Geologist

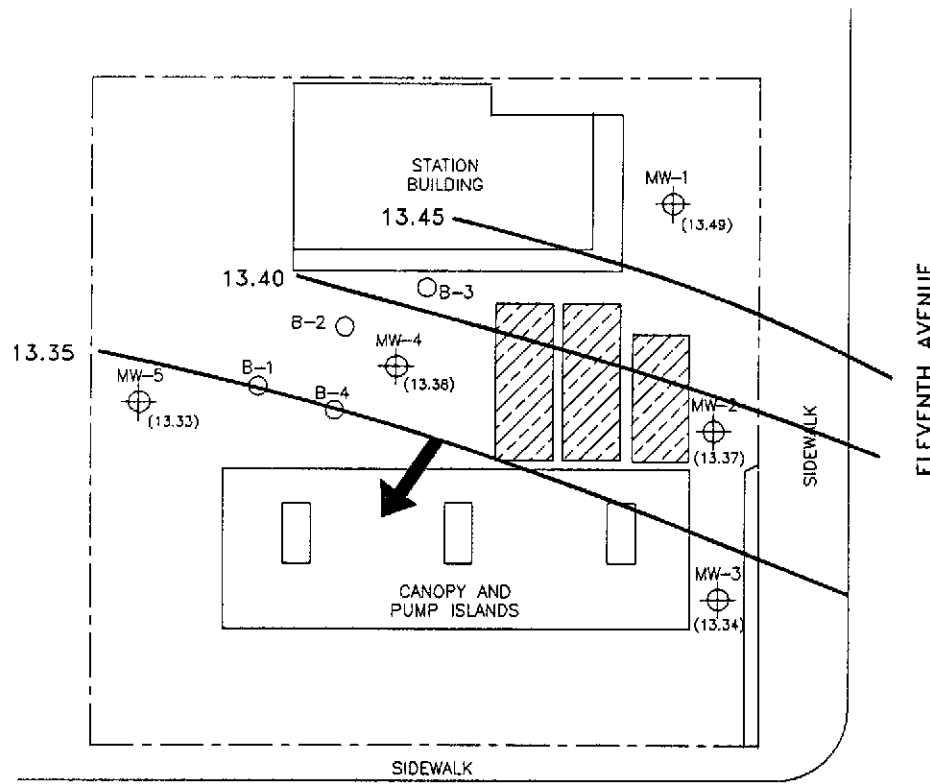
David J. Blunt
Registered Geologist
RG 4516



LOCATION MAP
Fast Gas Station
1088 Marina Boulevard
San Leandro, California

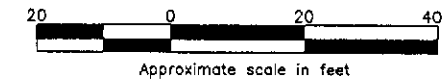
BASE: A portion of the San Leandro USGS 7.5 minute quadrangle dated 1959 (photorevised 1980), at a scale of 1:24,000.

Figure 1



EXPLANATION

- Property Limits
- Monitoring Well with Ground-Water Elevations in Feet
- Boring
- Underground Fuel Storage Tanks
- Potentiometric Surface Contour with Ground-Water Elevations in Feet
- Approximate Ground-Water Gradient Direction



MARINA BLVD.

NOTE:
Potentiometric contours are based on water level measurements obtained from Monitoring Wells MW-1 through MW-5 sampled on 5-18-90

REVISIONS		GROUND-WATER GRADIENT MAP			
BY	APPR	SCALE	DESIGNED BY	DRAWN BY	DRAWING NO
		As Shown		ACC	
BY	APPR	DATE	CHECKED	APPROVED	JOB NO
		6-21-90			1088-Q12-47
BY	APPR	Fast Gas Station 1088 Marina Boulevard San Leandro, California			
BY	APPR	<i>Du Pont Environmental Services</i>			

Figure 2

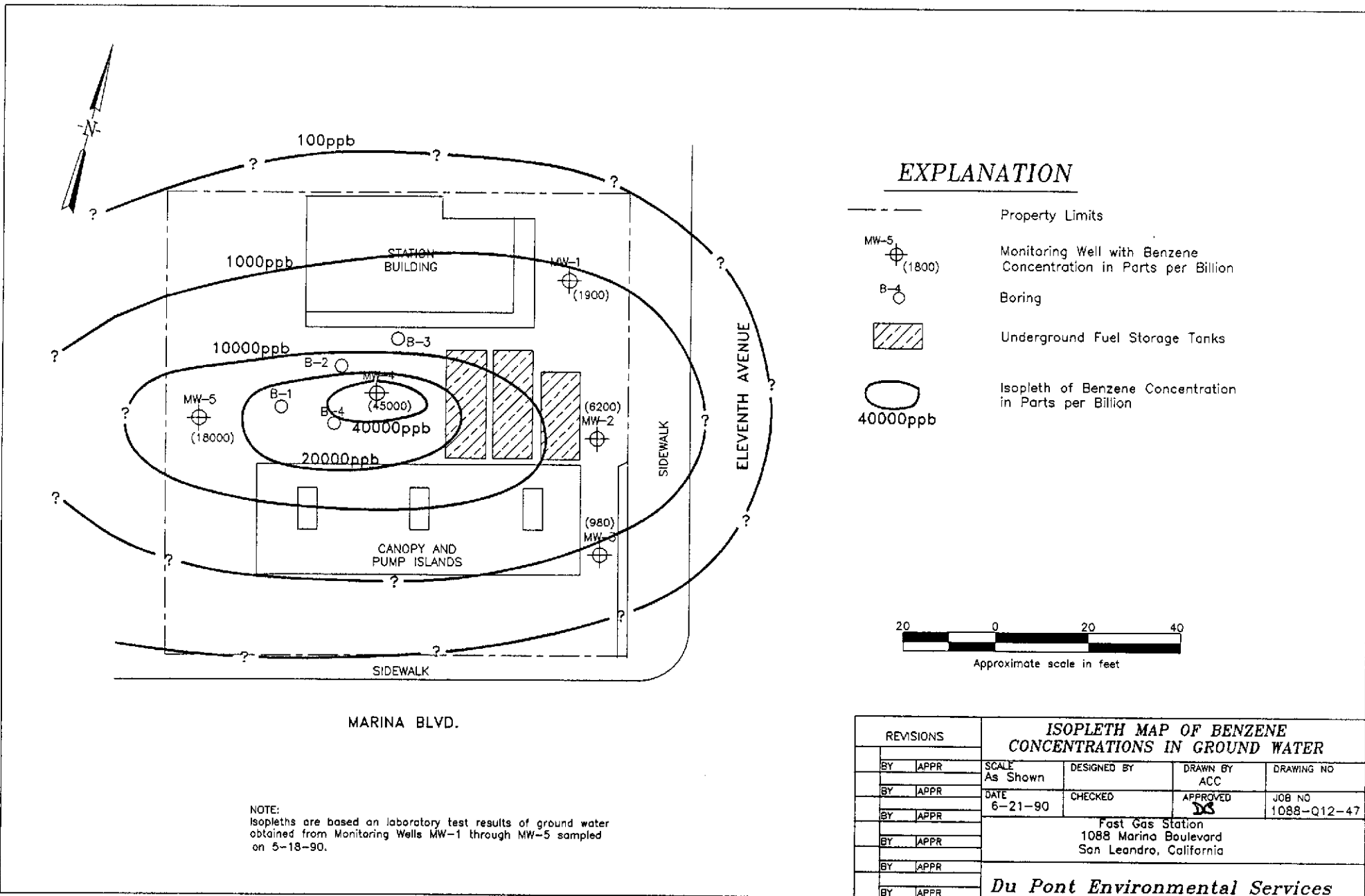


Figure 3

TABLE A
GROUND-WATER POTENTIOMETRIC ELEVATIONS

<i>Fast Gas Station 1088 Marina Boulevard San Leandro, California</i>					
WELL ID	DATE SAMPLED	TOP OF CASING ELEVATION (feet)	DEPTH TO GROUND WATER (feet)	GROUND WATER ELEVATION (feet)	ELEVATION CHANGE (feet)
MW-1	23-Jun-87	29.89	14.79	15.10	0.82 ↑
	06-Jul-87		14.93	14.96	
	06-Aug-87		14.22	15.67	
	04-Nov-87		15.74	14.15	
	02-Feb-88		13.99	15.90	
	02-May-88		14.99	14.90	
	21-Nov-88		13.03	16.86	
	14-Feb-89		15.86	14.03	
	02-May-89		14.77	15.12	
	10-Aug-89		16.35	13.54	
	08-Nov-89		16.46	13.43	
	20-Feb-90		15.58	14.31	
	18-May-90		16.40	13.49	
	MW-2		23-Jun-87	29.57	
06-Jul-87		14.63	14.94		
06-Aug-87		14.95	14.62		
04-Nov-87		15.45	14.12		
02-Feb-88		13.74	15.83		
02-May-88		14.63	14.94		
21-Nov-88		12.99	16.58		
14-Feb-89		15.66	13.91		
02-May-89		14.56	15.01		
10-Aug-89		16.22	13.35		
08-Nov-89		16.19	13.38		
20-Feb-90		15.34	14.23		
18-May-90		16.20	13.37		
MW-3		23-Jun-87	29.13		14.13
	06-Jul-87	14.24		14.89	
	06-Aug-87	14.52		14.61	
	04-Nov-87	15.09		14.04	
	02-Feb-88	13.37		15.76	
	02-May-88	14.22		14.91	
	21-Nov-88	13.01		16.12	
	14-Feb-89	15.22		13.91	
	02-May-89	14.16		14.97	
	10-Aug-89	15.61		13.52	
	08-Nov-89	15.75		13.38	
	20-Feb-90	14.95		14.18	
	18-May-90	15.79		13.34	

TABLE A
GROUND-WATER POTENTIOMETRIC ELEVATIONS

<i>Fast Gas Station 1088 Marina Boulevard San Leandro, California</i>					
WELL ID	DATE SAMPLED	TOP OF CASING ELEVATION (feet)	DEPTH TO GROUND WATER (feet)	GROUND WATER ELEVATION (feet)	ELEVATION CHANGE (feet)
MW-4	23-Jun-87	29.72	14.77	14.95	
	06-Jul-87		14.91	14.81	
	06-Aug-87		15.19	14.53	
	04-Nov-87		15.72	14.00	
	02-Feb-88		14.03	15.69	
	02-May-88		14.89	14.83	
	21-Nov-88		12.88	16.84	
	14-Feb-89		15.83	13.89	
	02-May-89		14.75	14.97	
	10-Aug-89		16.30	13.42	
	08-Nov-89		16.29	13.43	
	20-Feb-90		15.62	14.10	
	18-May-90		16.34	13.38	
MW-5	23-Jun-87	29.55	14.63	14.92	
	06-Jul-87		14.79	14.76	
	06-Aug-87		15.07	14.48	
	04-Nov-87		15.61	13.94	
	02-Feb-88		13.84	15.71	
	02-May-88		14.77	14.78	
	21-Nov-88		12.84	16.71	
	14-Feb-89		15.72	13.83	
	02-May-89		14.68	14.87	
	10-Aug-89		16.03	13.52	
	08-Nov-89		16.33	13.22	
	20-Feb-90		15.44	14.11	
	18-May-90		16.22	13.33	
<p>NOTES: 1) All elevations surveyed to an arbitrary datum. 2) Elevations and depths are given in feet.</p>					

TABLE B

SUMMARY OF GROUND-WATER ANALYTICAL RESULTS

Fast Gas Station 1088 Marina Boulevard San Leandro, California							
WELL ID	DATE SAMPLED	BENZENE (ug/L)	ETHYL BENZENE (ug/L)	TOLUENE (ug/L)	XYLENES (ug/L)	TPHg (ug/L)	COMMENTS
MW-1	16-Apr-87	2,313	664.1	3,770	3,331	17,276	
	23-Jun-87	1,887	466.7	2,141	1,652	26,027	
	06-Jul-87	778.2	133.2	943.7	422.1	3,938	
	06-Aug-87	1,270	288.7	1,576	873.7	6,079	
	04-Nov-87	1,700	720	4,000	2,200	15,000	
	02-Feb-88	1,500	230	1,700	740	14,000	
	02-May-88	3,500	4,900	700	2,700	33,000	
	21-Nov-88	2,200	2,800	560	2,200	15,000	
	14-Feb-89	1,700	340	1,700	1,500	12,000	Odor
	02-May-89	1,500	510	2,400	2,400	18,000	Odor, Slight Sheen
	10-Aug-89	1,400	360	1,500	1,600	10,000	Odor
	08-Nov-89	920	190	470	360	7,200	Odor
	20-Feb-90	810	270	540	800	3,300	
	18-May-90	1,900	560	500	1,600	5,600	
MW-2	16-Apr-87	3,131	1,067	4,239	4,608	17,920	
	23-Jun-87	2,188	1,047	2,622	4,699	49,354	
	06-Jul-87	1,575	457	1,729	1,702	8,676	
	06-Aug-87	2,623	702	3,722	2,882	14,376	
	04-Nov-87	2,200	900	4,100	3,500	19,000	
	02-Feb-88	6,200	1,000	6,500	4,000	54,000	
	02-May-88	6,800	7,100	1,300	5,400	53,000	
	21-Nov-88	--	--	--	--	--	
	14-Feb-89	6,900	1,100	4,300	5,200	48,000	Free Product
	02-May-89	6,100	2,100	8,800	16,000	110,000	Film of Free Product
	10-Aug-89	4,200	1,000	2,900	5,800	39,000	Odor, Sheen
	08-Nov-89	3,700	740	1,500	2,200	45,000	Odor, Sheen
	20-Feb-90	5,000	1,600	8,200	11,000	60,000	Odor, Heavy Sheen
	18-May-90	6,200	1,300	1,900	610	19,000	
MW-3	16-Apr-87	1,371	472.3	2,438	2,617	9,967	
	23-Jun-87	646.2	320.9	822.9	1,280	16,824	
	06-Jul-87	340.3	116.5	384.2	420.2	3,395	
	06-Aug-87	441.9	118.2	436.3	417.3	3,107	
	04-Nov-87	320	74	280	250	2,600	
	02-Feb-88	2,200	500	2,300	2,300	44,000	
	02-May-88	1,600	840	450	1,700	14,000	
	21-Nov-88	1,200	560	220	810	8,100	
	14-Feb-89	1,500	220	220	500	5,500	Odor
	02-May-89	910	530	310	1,900	13,000	Odor
	10-Aug-89	750	190	10	210	2,700	Odor
	08-Nov-89	370	90	ND(20)	58	2,400	Odor
	20-Feb-90	1,200	810	77	460	3,700	
	18-May-90	980	330	ND(50)	250	2,300	

TABLE B
(continued)

SUMMARY OF GROUND-WATER ANALYTICAL RESULTS

Fast Gas Station 1088 Marina Boulevard San Leandro, California							
WELL ID	DATE SAMPLED	BENZENE (ug/L)	ETHYL BENZENE (ug/L)	TOLUENE (ug/L)	XYLENES (ug/L)	TPHg (ug/L)	COMMENTS
MW-4	16-Apr-87	5,896	893.9	3,797	4,106	19,309	
	23-Jun-87	4,030	850.0	1,842	3,254	31,429	
	06-Jul-87	2,710	308.2	1,247	1,312	8,117	
	06-Aug-87	3,992	447.9	1,589	1,611	10,464	
	04-Nov-87	9,500	2,800	17,000	11,000	55,000	
	02-Feb-88	11,000	1,400	7,400	6,200	47,000	
	02-May-88	9,200	6,100	1,300	6,400	58,000	
	21-Nov-88	5,700	3,100	1,600	7,600	48,000	
	14-Feb-89	8,700	900	2,500	3,800	29,000	Odor & Sheen
	02-May-89	4,800	1,800	5,600	8,800	69,000	Odor, Slight Sheen
	10-Aug-89	15,000	1,800	6,600	12,000	67,000	Odor, Slight Sheen
	08-Nov-89	11,000	1,100	3,200	4,400	71,000	Odor, Slight Sheen
	20-Feb-90	8,100	930	4,500	3,500	19,000	
18-May-90	45,000	5,000	12,000	27,000	100,000		
MW-5	16-Apr-87	2,267	921.2	3,277	4,536	17,733	
	23-Jun-87	2,239	516.8	953.9	1,587	19,555	
	06-Jul-87	1,335	313.7	799.2	923.9	5,631	
	06-Aug-87	1,890	576.8	881.2	93.4	6,450	
	04-Nov-87	1,300	270	500	640	4,600	
	02-Feb-88	3,100	550	1,500	1,400	24,000	
	02-May-88	4,400	1,200	490	1,500	17,000	
	21-Nov-88	5,600	870	590	2,200	19,000	
	14-Feb-89	4,300	410	810	1,300	13,000	Odor
	02-May-89	2,900	690	1,500	3,200	24,000	Odor, Slight Sheen
	10-Aug-89	6,700	860	2,300	4,700	36,000	Odor, Slight Sheen
	08-Nov-89	5,300	460	860	600	30,000	Odor
	20-Feb-90	1,700	120	220	370	3,400	
18-May-90	18,000	1,500	2,000	5,600	24,000		

NOTES: 1) TPHg = Total Petroleum Hydrocarbons (as gasoline).
 2) Odor refers to petroleum hydrocarbon odor.
 3) All results are presented in parts per billion.
 4) Samples prior to February 1989 taken by Groundwater Technology, Inc.

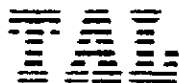
APPENDIX A

GROUND-WATER SAMPLING PROCEDURES,
LABORATORY TEST RESULTS, AND
CHAIN-OF-CUSTODY FORMS

GROUND-WATER MONITORING AND SAMPLING PROCEDURES

Prior to sampling, the depth to water was measured in all monitoring wells using an electronic immersion probe. All measurements were read to the nearest 0.01 foot. If free product was present, the depth to free product and the depth to water were measured using an interface probe and an observation sample was collected with a clear teflon bailer for confirmation. No analytical samples were collected from monitoring wells containing more than 0.25 inch of free product.

The monitoring wells were sampled on May 18, 1990. Prior to purging, each well was checked with a clear teflon bailer in order to observe the possible presence of floating hydrocarbons. Purging was accomplished using a stainless steel or teflon bailer. The bailer was thoroughly cleaned prior to each sampling using a trisodium phosphate solution followed by a 10% methylalcohol solution, and then rinsed twice with potable water. The wells were purged prior to sampling until pH, conductivity, and temperature values stabilized. Generally, this resulted in the removal of approximately 3 to 5 well volumes of ground water from each well during the purging process. The water obtained from purging was placed in labeled 55-gallon drums and stored on-site. The bailer line was replaced after each sampling. Samples recovered from each well were decanted into two appropriately prepared and labeled 40-ml volatile organic analysis (VOA) bottles. A travel blank (numbered as MW-A) and a duplicate sample from MW-5 were also submitted for quality assurance. The sample bottles were immediately placed in an ice chest and maintained at 4 °C until delivery to a State of California licensed laboratory. Routine chain-of-custody procedures were employed.



LOG NO.: 8692
 DATE SAMPLED: 5/18/90
 DATE RECEIVED: 5/18/90
 DATE ANALYZED: 5/30/90
 DATE REPORTED: 6/4/90

CUSTOMER: Conoco, Inc.
 REQUESTER: Marjorie Lane
 PROJECT: No. 1088-Q12-47, San Leandro

Sample Type: Water

Method and Constituent	Units	MW-1		MW-2		MW-3	
		Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/l	5,600	400	19,000	400	2,300	200
Modified EPA Method 8020:							
Benzene	ug/l	1,900	200	6,200	200	980	80
Toluene	ug/l	500	100	1,900	100	< 50	50
Xylenes	ug/l	1,600	600	6,100	600	250	200
Ethylbenzene	ug/l	560	200	1,300	200	330	80

Sample Type: Water

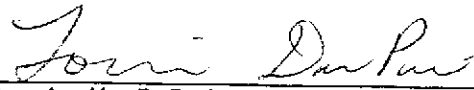
Method and Constituent	Units	MW-4		MW-5	
		Concentration	Detection Limit	Concentration	Detection Limit
DHS Method:					
Total Petroleum Hydrocarbons as Gasoline	ug/l	100,000	400	24,000	200
Modified EPA Method 8020:					
Benzene	ug/l	45,000	200	18,000	80
Toluene	ug/l	12,000	100	2,000	50
Xylenes	ug/l	27,000	600	5,600	200
Ethylbenzene	ug/l	5,000	200	1,500	80

LOG NO.: 8692
 DATE SAMPLED: 5/18/90
 DATE RECEIVED: 5/18/90
 DATE ANALYZED: 5/30/90
 DATE REPORTED: 6/4/90
 PAGE: Two

Sample Type: Water

Method and Constituent	Units	MW-A		Duplicate	
		Concen- tration	Detection Limit	Concen- tration	Detection Limit
DHS Method:					
Total Petroleum Hydro- carbons as Gasoline	ug/l	< 5	5	26,000	400
Modified EPA Method 8020:					
Benzene	ug/l	< 0.6	0.6	21,000	100
Toluene	ug/l	< 0.3	0.3	1,800	60
Xylenes	ug/l	< 2	2	5,700	300
Ethylbenzene	ug/l	< 0.5	0.5	1,600	100

For samples MW-5 and Duplicate, the concentration of total petroleum hydrocarbons as gasoline is reported as less than the concentration of benzene. The total petroleum hydrocarbons as gasoline consists primarily of benzene. Benzene is compared directly to a benzene standard while compounds being measured for total petroleum hydrocarbons are compared to a wide range of hydrocarbons found in gasoline. This accounts for the apparent discrepancy.


 Louis W. DuPuis
 Quality Assurance/Quality Control Manager

DU PONT ENVIRONMENTAL SERVICES

7068 Koll Center Parkway * Suite 401 * Pleasanton, California * (415) 462-7772

CHAIN-OF-CUSTODY/WORK ORDER

Testing Laboratory Trace Analysis Laboratory Phone (415) 783-6960
 Address 3423 Investment Boulevard, Unit 8
 City, State, Zip Hayward, California 94545

PROJECT NAME <u>San Leandro</u>						NO. OF CON- TAINERS	VOA prepared w/HCI collected, sealed & labelled stored in wet ice at 4°C Transported to Trace Test for TPH, BTX	REMARKS
JOB NUMBER <u>1088-Q12-47</u>								
REQUESTOR <u>M. Lane</u>								
SAMPLERS (Signature) <u>Bice Barnt</u>								
SAMPLE I.D.	DATE	TIME	COMP	GRAB	LOCATION			
					<u>MW-Monitoring Well</u>			
<u>MW-1</u>	<u>5/18/90</u>			<input checked="" type="checkbox"/>	<u>MW-1</u>	<u>2</u>	<input checked="" type="checkbox"/>	
<u>MW-2</u>				<input checked="" type="checkbox"/>	<u>MW-2</u>	<u>2</u>	<input checked="" type="checkbox"/>	
<u>MW-3</u>				<input checked="" type="checkbox"/>	<u>MW-3</u>	<u>2</u>	<input checked="" type="checkbox"/>	
<u>MW-4</u>				<input checked="" type="checkbox"/>	<u>MW-4</u>	<u>2</u>	<input checked="" type="checkbox"/>	
<u>MW-5</u>				<input checked="" type="checkbox"/>	<u>MW-5</u>	<u>2</u>	<input checked="" type="checkbox"/>	
<u>MW-A</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<u>MW-A</u>	<u>2</u>	<input checked="" type="checkbox"/>	
<u>Duplicate</u>				<input checked="" type="checkbox"/>	<u>Duplicate</u>	<u>2</u>	<input checked="" type="checkbox"/>	
RELINQUISHED BY (Signature) <u>Bice Barnt</u>						DATE	TIME	
REPRESENTING: <u>DERS</u>						<u>5/18/90</u>	<u>3:15 PM</u>	
RELINQUISHED BY (Signature)						DATE	TIME	
REPRESENTING:								
RELINQUISHED BY (Signature)						DATE	TIME	
REPRESENTING:								
RECEIVED BY (Signature) <u>J. Dowling</u>						DATE	TIME	
TRACE ANALYSIS LABORATORY INVESTMENT BLVD., UNIT 8 HAYWARD, CA 94545 (415) 783-6960						<u>5/18/90</u>	<u>3:15 PM</u>	
RECEIVED BY (Signature)						DATE	TIME	
REPRESENTING:								
RECEIVED BY (Signature)						DATE	TIME	
REPRESENTING:								

Normal TAT

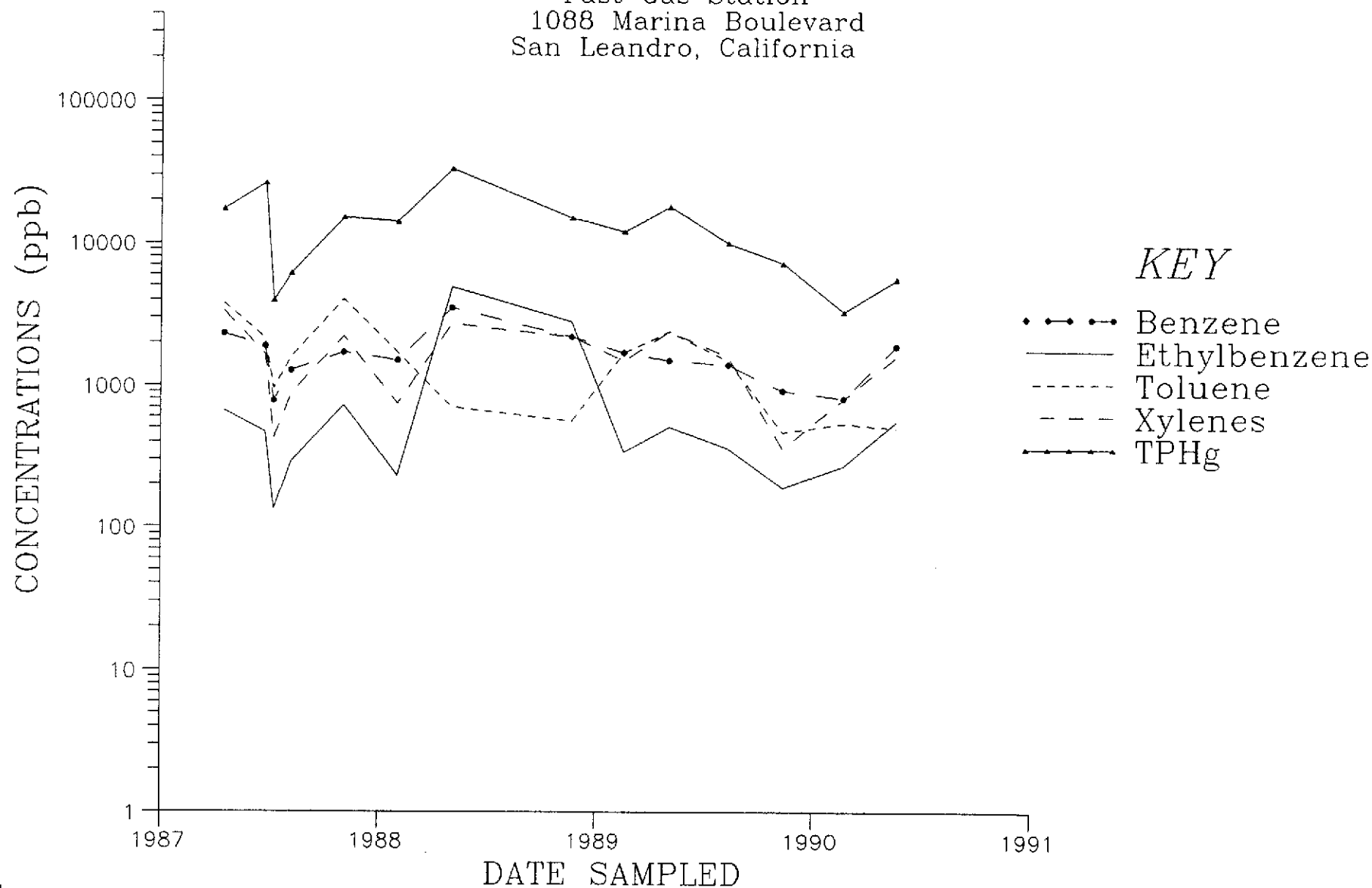
APPENDIX B

GRAPHS ILLUSTRATING GROUND-WATER ANALYSES

GROUND-WATER ANALYSES DATA

MONITORING WELL MW-1

Fast Gas Station
1088 Marina Boulevard
San Leandro, California



KEY

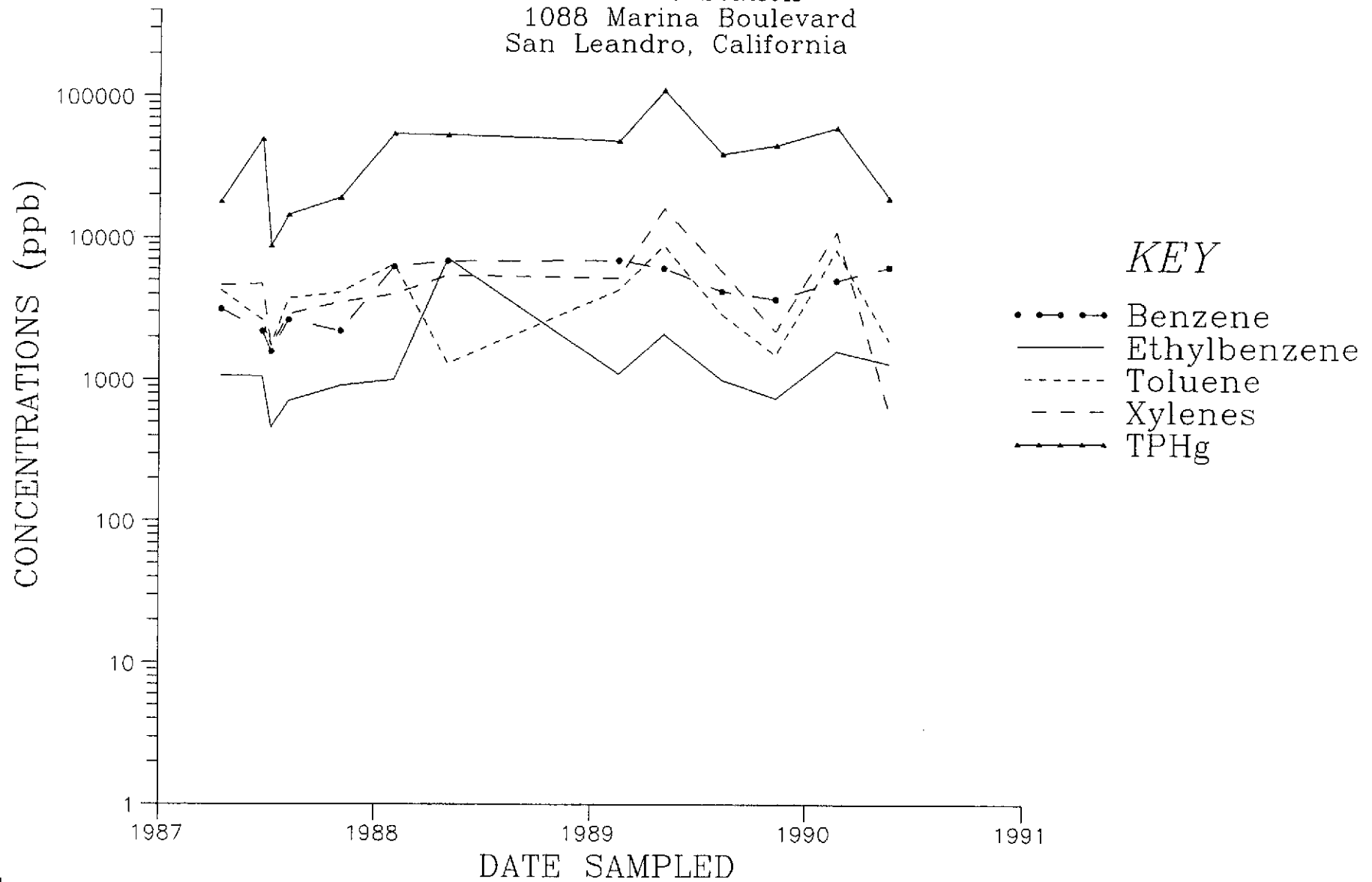
- Benzene
- Ethylbenzene
- - - - Toluene
- - - - Xylenes
- TPHg

NOTE: Laboratory detection limits may vary due to analytical procedures used.

GROUND-WATER ANALYSES DATA

MONITORING WELL MW-2

Fast Gas Station
1088 Marina Boulevard
San Leandro, California

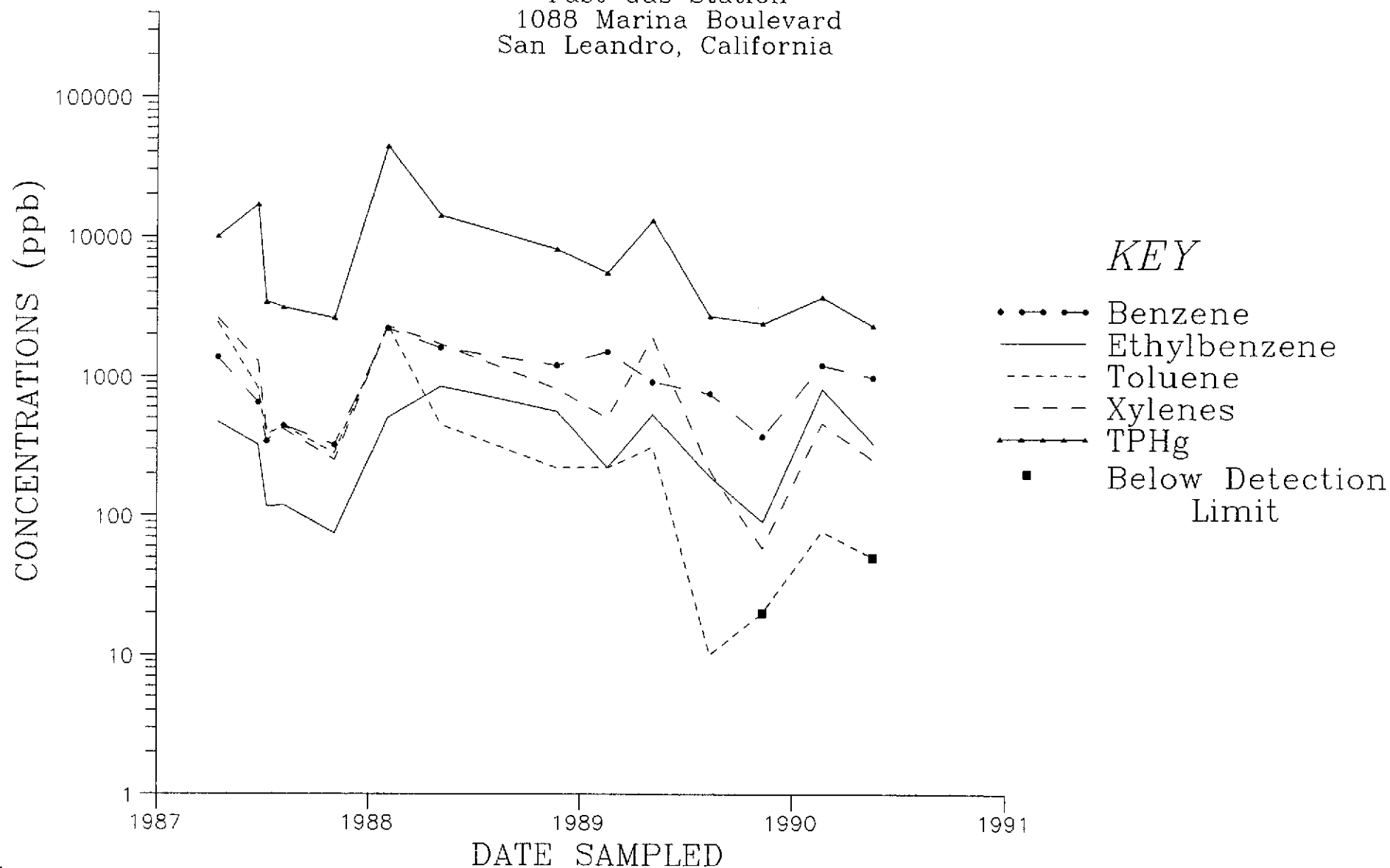


NOTE: Laboratory detection limits may vary due to analytical procedures used.

GROUND-WATER ANALYSES DATA

MONITORING WELL MW-3

Fast Gas Station
1088 Marina Boulevard
San Leandro, California

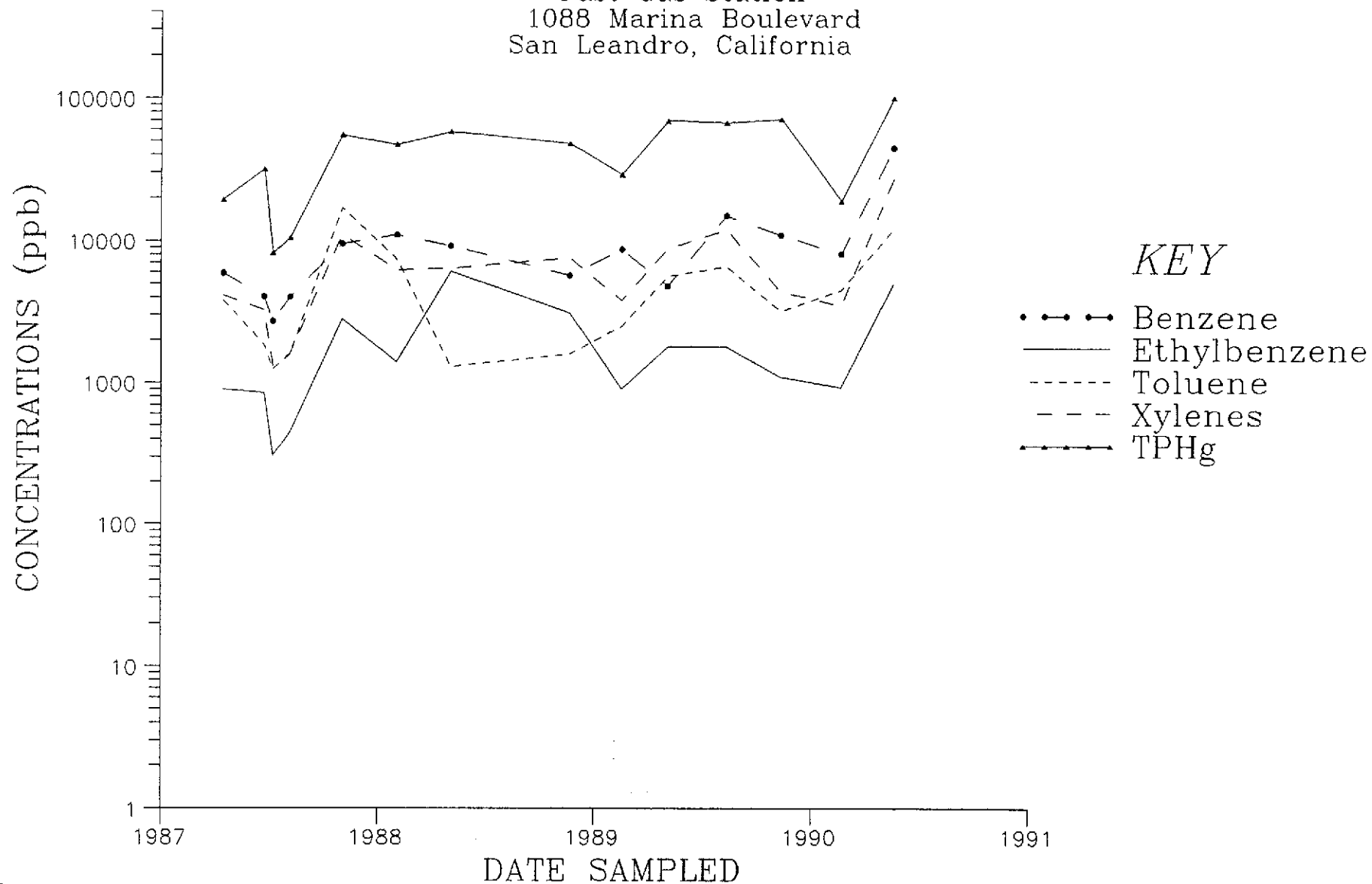


NOTE: Laboratory detection limits may vary due to analytical procedures used.

GROUND-WATER ANALYSES DATA

MONITORING WELL MW-4

Fast Gas Station
1088 Marina Boulevard
San Leandro, California

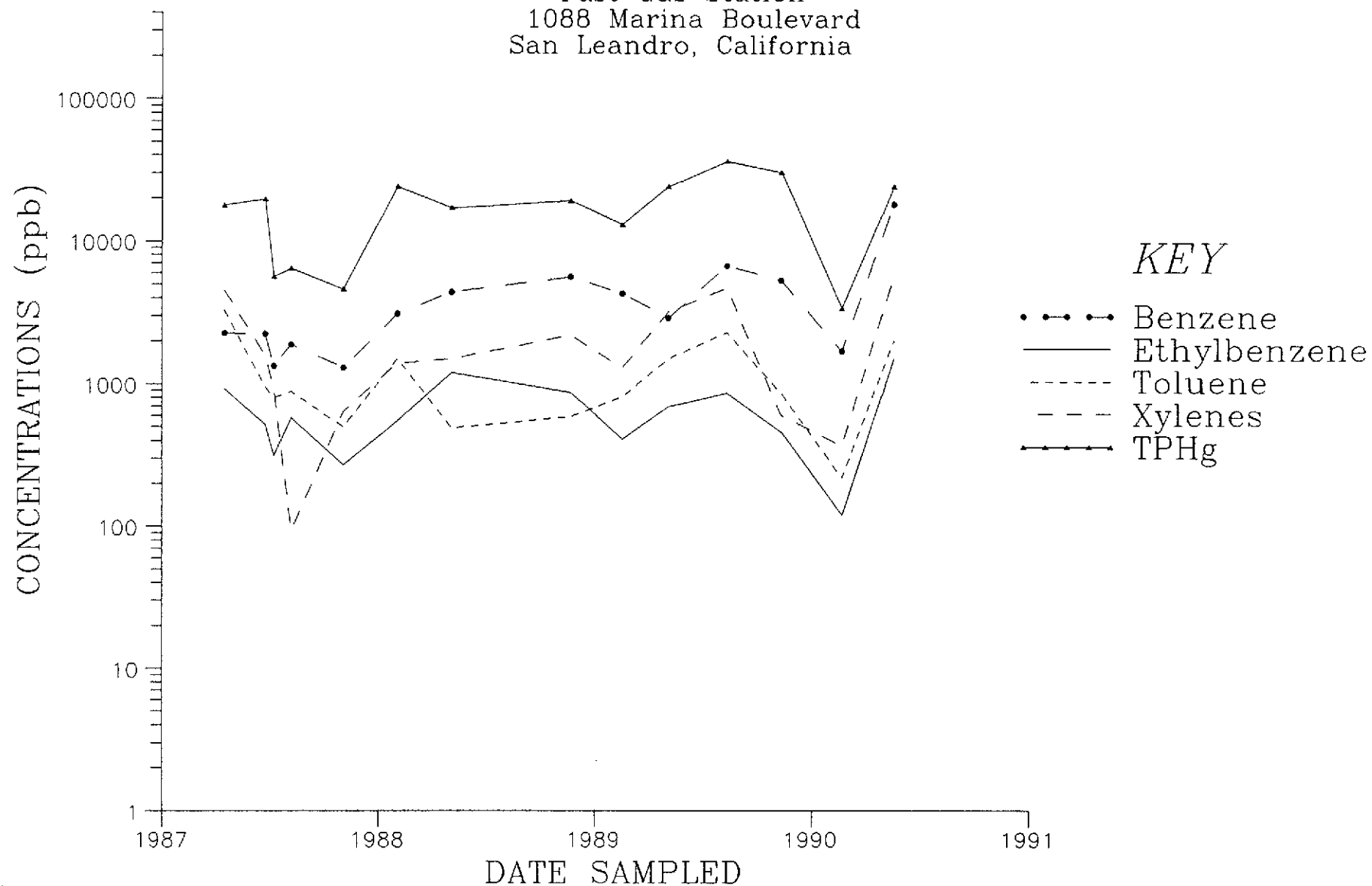


NOTE: Laboratory detection limits may vary due to analytical procedures used.

GROUND-WATER ANALYSES DATA

MONITORING WELL MW-5

Fast Gas Station
1088 Marina Boulevard
San Leandro, California



KEY

- Benzene
- Ethylbenzene
- - - Toluene
- - - Xylenes
- TPHg

B-5

NOTE: Laboratory detection limits may vary due to analytical procedures used.

GROUND-WATER MONITORING WELL
FIELD SAMPLING DATA SHEET

SITE: San Leandro

JOB # 1088-Q12-47

DATE: 5-18-90

WELL # MW-1
CASING DIAMETER 2"
DEPTH TO WATER 16.40'
TOTAL DEPTH 28.0'
WELL VOLUME 1.93 gal
PURGE METHOD hand bail

GALLONS PURGED	pH	Conduc-tivity	Temp.
<u>I</u>		<u>741</u>	<u>63.3</u>
<u>2</u>		<u>729</u>	<u>62.1</u>
<u>3</u>		<u>725</u>	<u>61.9</u>
<u>4</u>		<u>728</u>	<u>61.9</u>

WELL # MW-2
CASING DIAMETER 2"
DEPTH TO WATER 16.20'
TOTAL DEPTH 25.8'
WELL VOLUME 1.6 gal
PURGE METHOD hand bail

GALLONS PURGED	pH	Conduc-tivity	Temp.
<u>I</u>		<u>871</u>	<u>64.1</u>
<u>2</u>		<u>846</u>	<u>62.6</u>
<u>3</u>		<u>841</u>	<u>62.3</u>
<u>4</u>		<u>844</u>	<u>62.3</u>

WELL # MW-3
CASING DIAMETER 2"
DEPTH TO WATER 15.79'
TOTAL DEPTH 24.7'
WELL VOLUME .99 gal
PURGE METHOD hand bail

GALLONS PURGED	pH	Conduc-tivity	Temp.
<u>I</u>	<u>*</u>	<u>687</u>	<u>64.6</u>
<u>2</u>		<u>656</u>	<u>62.4</u>
<u>3</u>		<u>651</u>	<u>62.2</u>
<u>4</u>		<u>649</u>	<u>62.1</u>

WELL # MW-4
CASING DIAMETER 2"
DEPTH TO WATER 16.34'
TOTAL DEPTH 29.1'
WELL VOLUME 1.79 gal
PURGE METHOD hand bail

GALLONS PURGED	pH	Conduc-tivity	Temp.
<u>I</u>		<u>1220</u>	<u>63.7</u>
<u>2</u>		<u>1120</u>	<u>62.5</u>
<u>3</u>		<u>1100</u>	<u>62.3</u>
<u>4</u>		<u>1110</u>	<u>62.2</u>

Sampled by: B. Bassett

GROUND-WATER MONITORING WELL
FIELD SAMPLING DATA SHEET

SITE: San Leandro

JOB # 1088-012-47

DATE: 5-18-90

WELL # MW-5
CASING DIAMETER 2"
DEPTH TO WATER 16.22'
TOTAL DEPTH 27.9'
WELL VOLUME 1.95 gal
PURGE METHOD hand bail

WELL # _____
CASING DIAMETER _____
DEPTH TO WATER _____
TOTAL DEPTH _____
WELL VOLUME _____
PURGE METHOD _____

GALLONS PURGED	pH	Conduc-tivity	Temp.
<u>I</u>		<u>600</u>	<u>63.7</u>
<u>2</u>		<u>612</u>	<u>62.7</u>
<u>3</u>		<u>614</u>	<u>62.4</u>
<u>4</u>		<u>616</u>	<u>62.4</u>

GALLONS PURGED	pH	Conduc-tivity	Temp.

WELL # _____
CASING DIAMETER _____
DEPTH TO WATER _____
TOTAL DEPTH _____
WELL VOLUME _____
PURGE METHOD _____

WELL # _____
CASING DIAMETER _____
DEPTH TO WATER _____
TOTAL DEPTH _____
WELL VOLUME _____
PURGE METHOD _____

GALLONS PURGED	pH	Conduc-tivity	Temp.

GALLONS PURGED	pH	Conduc-tivity	Temp.

Sampled by: B. Bassett