

Ultramar

Ultramar Inc.
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90 AUG 30 AM 11:05
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209-583-3358 Accounting

August 27, 1990

Mr. Steve Ritchie
CRWQCB
San Francisco Bay Region
1800 Harrison Street
Suite 700
Oakland, CA 94612

**SUBJECT: BEACON STATION NO. 721, 44 LEWELLING BOULEVARD,
SAN LORENZO, CALIFORNIA**

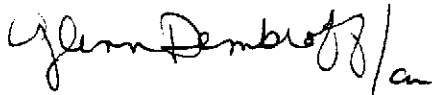
Dear Mr. Ritchie:

Enclosed for your review and files is a copy of Du Pont Environmental Remediation Services' Second Quarter 1990 Groundwater Monitoring Report for the above-referenced Ultramar facility.

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

Sincerely,

ULTRAMAR INC.



Glenn R. Dembroff
Manager
Marketing Environmental Department

GRD/cvn

Enclosure: DuPont Environmental Remediation Services Job No. 211-Q12-11

cc w/encl: Mr. Larry Seto
Alameda County Health Care Services
Department of Environmental Health
Hazardous Materials Program
80 Swan Way
Room 200
Oakland, CA 94612



A Member of the Ultramar Group of Companies

BEACON
#1 Quality and Service

90 AUG 30 AM 11:06

QUARTERLY GROUND-WATER SAMPLING REPORT
JUNE 1990
JET GAS STATION
44 LEWELLING BOULEVARD
SAN LORENZO, CALIFORNIA

FOR

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

PREPARED BY

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

AUGUST 6, 1990

JOB NO. 211-Q12-11

DU PONT ENVIRONMENTAL REMEDIATION SERVICES

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DU PONT ENVIRONMENTAL REMEDIATION SERVICES
7068 Koll Center Parkway, Suite 401
Pleasanton, CA 94566
(415) 462-7772
Fax: (415) 462-7944

August 6, 1990
Job No. 211-Q12-11

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

SUBJECT: Quarterly Ground-Water Sampling Report
June 1990
Jet Gas Station
44 Lewelling Boulevard
San Lorenzo, California

Dear Mr. Fletcher:

INTRODUCTION

This report presents the results of the quarterly ground-water sampling which was conducted at the Jet Gas Station, 44 Lewelling Boulevard, San Lorenzo (see the Location Map, Figure 1), on June 21, 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 June 1990 quarter is presented in Table A. In general, ground-water levels have fallen approximately 0.4 foot since the last quarterly sampling. The ground-water gradient for this quarter is directed towards the west at a magnitude of approximately 0.006 (see the Ground-Water Gradient Map, Figure 2). Chemical analytical results indicate petroleum hydrocarbons continue to be centered in the area of MW-1 and MW-3 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 September 1990.

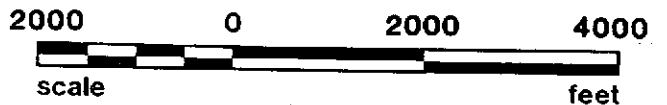
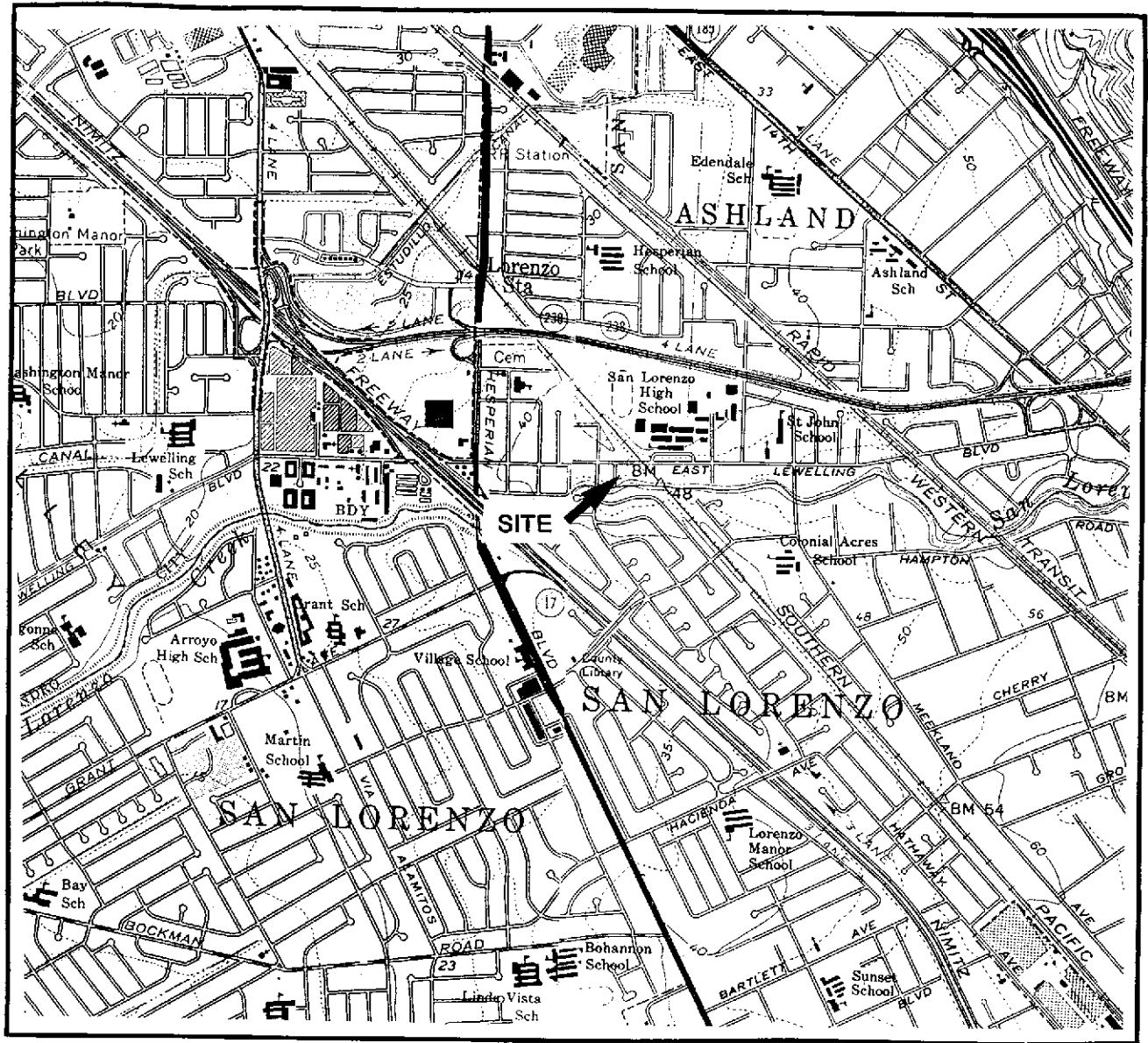
Respectfully submitted,

DU PONT ENVIRONMENTAL REMEDIATION SERVICES

Mark Vetter
Project Geologist

David J. Blunt
Registered Geologist
RG 4516

MV/DJB:cb

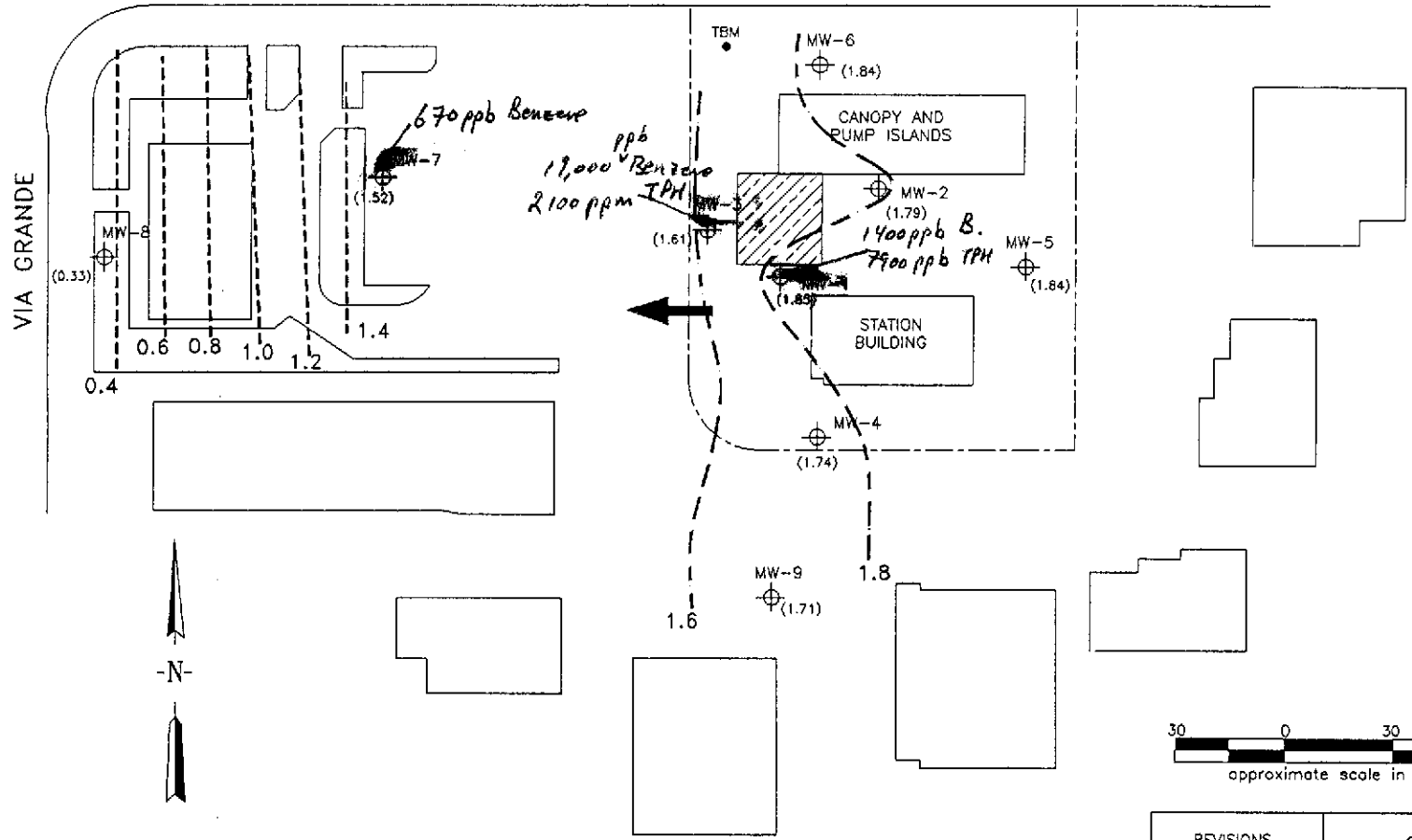


LOCATION MAP

Jet Gas Station
 44 Lewelling Boulevard
 San Lorenzo, California

BASE: A portion of the U.S.G.S. Hayward 7.5 minute quadrangle, dated 1959, photorevised 1980, scale 1:24,000.

LEWELLING BOULEVARD



LEGEND

- Property Limits
- Existing Underground Fuel Tanks
- TBM ● Temporary Bench Mark (Designated at 20 feet)
- MW-9 Existing Monitoring Well with Ground-Water Elevations in Feet
- 1.8 Potentiometric contour with Ground-Water Elevations in Feet
- Approximate Ground-Water Gradient Direction

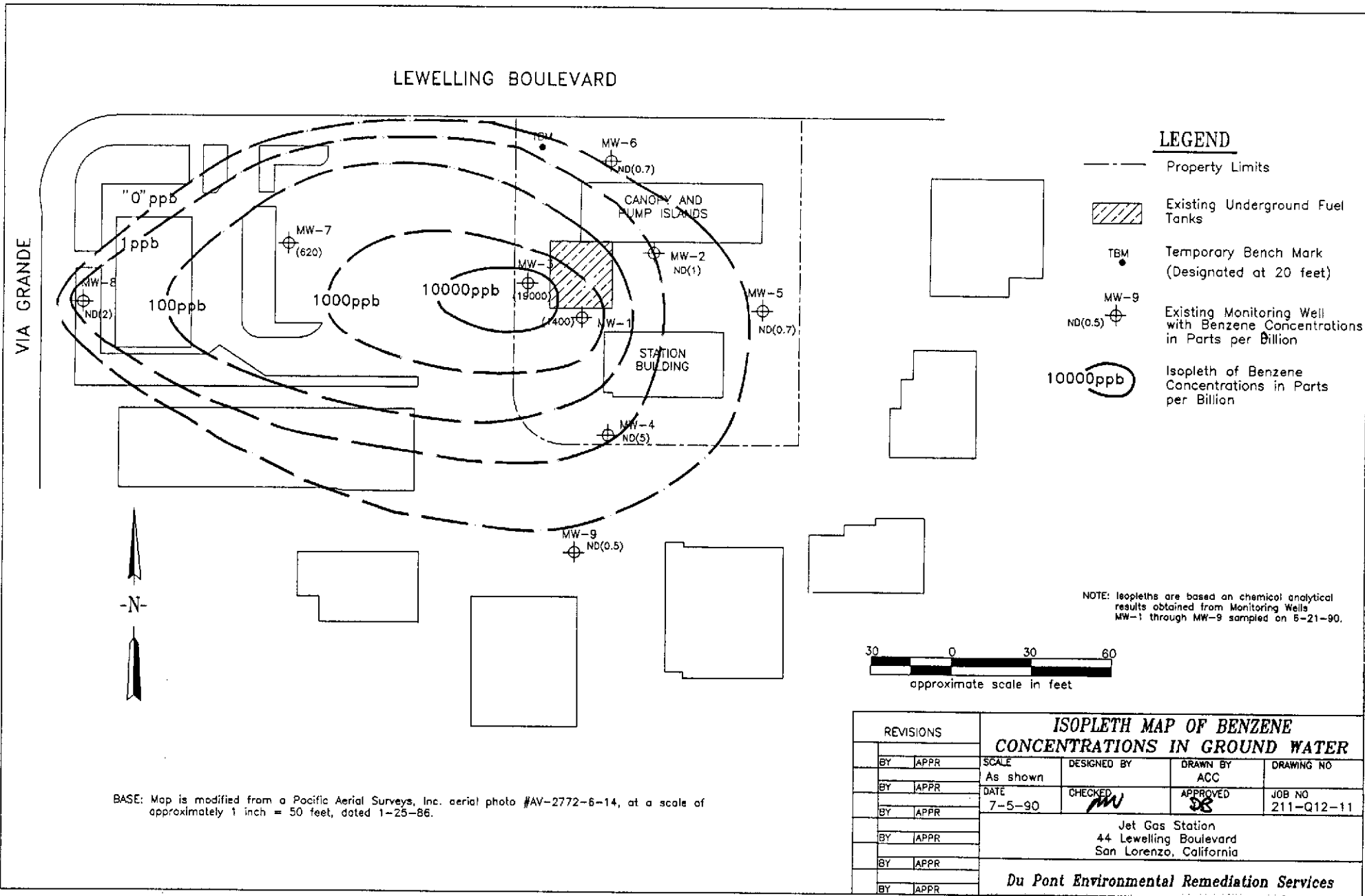
NOTES: 1. Potentiometric contours are based on water level measurements obtained from Monitoring Wells MW-1 through MW-9 sampled on 6-21-90.



BASE: Map is modified from a Pacific Aerial Surveys, Inc. aerial photo #AV-2772-6-14, at a scale of approximately 1 inch = 50 feet, dated 1-25-86.

REVISIONS		GROUND-WATER GRADIENT MAP			
BY	APPR	SCALE	DESIGNED BY	DRAWN BY	DRAWING NO
		As shown		ACC	
BY	APPR	DATE	CHECKED	APPROVED	JOB NO
		7-5-90	<i>mm</i>	<i>JS</i>	211-Q12-11
BY	APPR	Jet Gas Station 44 Lewelling Boulevard San Lorenzo, California			
BY	APPR	<i>Du Pont Environmental Remediation Services</i>			
BY	APPR				
BY	APPR				

Figure 2



BASE: Map is modified from a Pacific Aerial Surveys, Inc. aerial photo #AV-2772-6-14, at a scale of approximately 1 inch = 50 feet, dated 1-25-86.

REVISIONS		ISOPLETH MAP OF BENZENE CONCENTRATIONS IN GROUND WATER			
BY	APPR	SCALE	DESIGNED BY	DRAWN BY	DRAWING NO
		As shown		ACC	
BY	APPR	DATE	CHECKED	APPROVED	JOB NO
		7-5-90	<i>MW</i>	<i>DS</i>	211-Q12-11
BY	APPR	Jet Gas Station 44 Lewelling Boulevard San Lorenzo, California			
BY	APPR	Du Pont Environmental Remediation Services			
BY	APPR				
BY	APPR				

Figure 3

TABLE A

GROUND-WATER POTENTIOMETRIC ELEVATIONS

JET GAS STATION
44 LEWELLING BOULEVARD
SAN LORENZO, CALIFORNIA

DU PONT ENVIRONMENTAL REMEDIATION SERVICES

WELL ID	TOP OF CASING ELEVATION	GROUND-WATER ELEVATION	DEPTH TO GROUND WATER									Change Since	
			Jun 1990	Mar 1988	Jun 1988	Dec 1988	Mar 1989	Jun 1989	Sep 1989	Dec 1989	Mar 1990		Jun 1990
MW-1	21.54	1.85	17.12	18.05	19.48	18.07	18.60	19.98	20.45	19.31	19.69	0.38 ▼	17.31
MW-2	20.91	1.79	16.43	17.35	18.79	17.31	17.92	19.27	19.75	18.62	19.12	0.50 ▼	
MW-3	20.96	1.61	16.68	17.59	18.96	17.60	18.11	19.47	19.97*	19.82*	19.35	0.47 ▲	
MW-4	22.52	1.74	---	---	20.47	19.03	19.57	20.98	21.43	20.29	20.78	0.49 ▼	
MW-5	21.66	1.84	---	---	19.48	18.00	18.60	20.00	20.43	19.24	19.82	0.58 ▼	
MW-6	20.37	1.84	---	---	17.99	16.75	17.30	18.64	19.16	18.04	18.53	0.49 ▼	
MW-7	19.40	1.52	---	---	17.61	16.27	16.72	17.99	18.54	17.43	17.88	0.45 ▼	
MW-8	19.13	0.33	---	---	---	---	---	18.89	19.45	18.39	18.80	0.42 ▼	
MW-9	22.82	1.71	---	---	---	---	---	21.38	21.76	20.58	21.11	0.53 ▼	

- NOTES:
- 1) All elevations surveyed to a temporary bench mark designated 20 feet.
 - 2) Elevations and depths given in feet.
 - 3) Data prior to December 1988 collected by Applied GeoSystems.
 - 4) Monitoring wells MW-4, MW-5, MW-6, and MW-7 installed in December 1988.
 - 5) Monitoring wells MW-8 and MW-9 installed on September 15, 1989.
 - 6) * Free product present in well.

TABLE B

SUMMARY OF GROUND-WATER ANALYTICAL RESULTS

JET GAS STATION
44 LEWELLING BOULEVARD
SAN LORENZO, CALIFORNIA

WELL ID	DATE SAMPLED	BENZENE (ug/L)	ETHYLBENZENE (ug/L)	TOLUENE (ug/L)	XYLENES (ug/L)	TPHg (ug/L)	COMMENTS
MW-1	29-MAY-87	490	930	150	3790	18050	
	14-JUL-87	560	950	120	3270	14750	
	17-AUG-87	630	320	40	1130	12860	
	01-SEP-87	558	562	84	1942	14269	
	10-DEC-87	200	273	138	777	14000	
	10-MAR-88	70	340	40	940	7300	
	14-JUN-88	290	330	ND(10)	790	34000	
	05-DEC-88	100	140	16	310	4000	
	08-MAR-89	670	580	20	1200	9100	<i>Odor, Sheen</i>
	22-JUN-89	1000	1200	20	2200	12000	<i>Odor, Sheen</i>
	27-SEP-89	960	260	9	360	6800	<i>Odor</i>
	29-DEC-90	210	1200	33	250	4800	
	29-MAR-90	1100	510	42	1800	14000	<i>Odor</i>
21-JUN-90		1400	160	ND(30)	130	7900	
MW-2	29-MAY-87	113	46	14	58	4870	
	14-JUL-87	103	34	25	48	2207	
	17-AUG-87	37.6	8.2	10.9	11.1	756	
	01-SEP-87	75.3	16.4	14.2	27.6	1482.5	
	10-DEC-87	28	38.1	40.6	100.3	1800	
	10-MAR-88	9.2	7.3	3.1	2.6	1200	
	14-JUN-88	ND(0.9)	2.2	ND(1.0)	5.7	500	
	05-DEC-88	ND(0.3)	5.6	1.3	3.6	500	
	08-MAR-89	ND(1.0)	3.5	1.3	3.7	730	
	22-JUN-89	ND(0.4)	ND(0.5)	ND(0.4)	ND(0.8)	570	
	27-SEP-89	3.8	2.9	0.64	54	420	
	29-DEC-89	6.7	5.7	2.0	2.9	270	
	29-MAR-90	10	10	0.88	3.3	420	
21-JUN-90		ND(1)	4	ND(1)	ND(4)	650	
MW-3	29-MAY-87	5400	1700	3900	5200	40300	
	14-JUL-87	6880	1580	7080	4770	30320	
	17-AUG-87	5930	1240	4180	3370	25620	
	01-SEP-87	8540	1020	6660	3740	38210	
	10-DEC-87	4240	890	2350	1860	25000	
	10-MAR-88	3210	940	950	950	13400	
	14-JUN-88	5900	450	7600	4600	54000	
	05-DEC-88	4200	1000	2400	3100	19000	<i>Odor</i>
	08-MAR-89	11000	2300	9400	9900	53000	<i>Odor, Sheen</i>
	22-JUN-89	16000	2100	5900	6600	60000	<i>Odor, Sheen</i>
	27-SEP-89	8100	1200	2800	4300	34000	<i>Odor</i>
	29-DEC-89	NA	NA	NA	NA	NA	<i>0.02' Free Product</i>
	29-MAR-90	NA	NA	NA	NA	NA	<i>0.04' Free Product</i>
21-JUN-90		19000	22000	22000	120000	2,100,000	

TABLE B

(continued)

WELL ID	DATE SAMPLED	BENZENE (ug/L)	ETHYLBENZENE (ug/L)	TOLUENE (ug/L)	XYLENES (ug/L)	TPHg (ug/L)	COMMENTS
MW-4	05-DEC-88	ND(2.0)	2.3	ND(2.0)	6.5	4500	
	08-MAR-89	ND(9.0)	ND(10)	ND(8.0)	ND(10)	3900	
	22-JUN-89	ND(0.4)	ND(0.5)	ND(0.4)	ND(0.8)	1500	
	27-SEP-89	11	ND(1)	ND(1)	ND(4)	1200	
	29-DEC-89	ND(1)	2.3	2.1	ND(3)	920	
	29-MAR-90	ND(0.6)	8.0	ND(0.9)	ND(3)	870	
	21-JUN-90	ND(5)	ND(6)	ND(5)	ND(20)	1500	
MW-5	05-DEC-88	ND(0.2)	0.23	0.78	0.92	3.9	
	08-MAR-89	2.7	2.7	6.7	15	58	
	22-JUN-89	0.91	ND(0.1)	ND(0.1)	ND(0.3)	5.0	
	27-SEP-89	1.3	ND(0.1)	ND(0.1)	ND(0.4)	5.3	
	29-DEC-89	ND(0.5)	ND(0.5)	ND(0.5)	ND(2)	ND(5)	
	29-MAR-90	ND(1)	ND(0.5)	ND(0.5)	ND(2)	ND(5)	
	21-JUN-90	ND(0.7)	ND(0.7)	ND(0.6)	ND(2)	12	
MW-6	05-DEC-88	4.0	0.63	1.3	1.3	190	
	08-MAR-89	2.2	ND(0.5)	ND(0.4)	1.1	23	
	22-JUN-89	0.82	0.18	2.6	1.2	57	
	27-SEP-89	0.2	ND(0.1)	0.24	ND(0.4)	2.1	
	29-DEC-89	ND(0.5)	ND(0.5)	ND(0.5)	ND(2)	ND(5)	
	29-MAR-90	2.1	ND(0.5)	ND(0.5)	ND(2)	12	
	21-JUN-90	ND(0.7)	ND(0.7)	ND(0.6)	ND(2)	ND(5)	
MW-7	05-DEC-88	140	40	150	370	1500	
	08-MAR-89	730	180	72	370	2400	
	22-JUN-89	570	180	43	220	2000	
	27-SEP-89	420	140	5.9	28	1400	
	29-DEC-89	87	18	3.5	15	150	
	29-MAR-90	110	53	40	150	530	
	21-JUN-90	620	290	34	400	4100	
MW-8	27-SEP-89	ND(1)	16	ND(1)	ND(1)	4200	
	29-DEC-89	ND(1)	18	3.2	ND(3)	2800	
	29-MAR-90	ND(6)	19	ND(9)	ND(30)	2600	
	21-JUN-90	ND(2)	13	ND(2)	ND(6)	4600	
MW-9	27-SEP-89	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.4)	25	
	29-DEC-89	ND(0.5)	ND(0.5)	ND(0.5)	2.5	11	
	29-MAR-90	ND(0.5)	ND(0.5)	ND(0.5)	ND(2)	ND(5)	
	21-JUN-90	ND(0.5)	ND(0.6)	ND(0.5)	ND(2)	ND(5)	

- NOTES:
- 1) TPHg = Total Petroleum Hydrocarbons (as gasoline).
 - 2) ND = Not Detected, detection limit shown in parentheses.
 - 3) Odor refers to petroleum hydrocarbon odor.
 - 4) All results are presented in parts per billion.
 - 5) Samples prior to December 1988 taken by Applied GeoSystems.
 - 6) NA= Not Available or Not Analyzed.

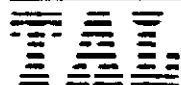
APPENDIX A

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 June 21, 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-1 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.: 8832
 DATE SAMPLED: 6/21/90
 DATE RECEIVED: 6/22/90
 DATE ANALYZED: 6/29/90 and 7/2/90
 DATE REPORTED: 7/12/90

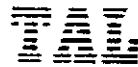
CUSTOMER: Conoco, Inc.
 REQUESTER: Marjorie Lane
 PROJECT: No. 221-Q12-11, San Lorenzo

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	7,900	200	650	5	2,100,000	8,000
Modified EPA Method 8020:							
Benzene	ug/l	1,400	40	< 1	1	19,000	2,000
Toluene	ug/l	< 30	30	< 1	1	22,000	2,000
Xylenes	ug/l	130	100	< 4	4	120,000	7,000
Ethylbenzene	ug/l	160	50	4	2	22,000	3,000

Sample Type: Water

Method and Constituent	Units	MW-4		MW-5		MW-6	
		Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/l	1,500	20	12	5	< 5	5
Modified EPA Method 8020:							
Benzene	ug/l	< 5	5	< 0.7	0.7	< 0.7	0.7
Toluene	ug/l	< 5	5	< 0.6	0.6	< 0.6	0.6
Xylenes	ug/l	< 20	20	< 2	2	< 2	2
Ethylbenzene	ug/l	< 6	6	< 0.7	0.7	< 0.7	0.7



LOG NO.: 8832
DATE SAMPLED: 6/21/90
DATE RECEIVED: 6/22/90
DATE ANALYZED: 6/29/90 and 7/2/90
DATE REPORTED: 7/12/90
PAGE: Two

Sample Type: Water

Method and Constituent	Units	MW-7		MW-8		MW-9	
		Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/l	4,100	20	4,600	8	< 5	5
Modified EPA Method 8020:							
Benzene	ug/l	620	4	< 2	2	< 0.5	0.5
Toluene	ug/l	34	3	< 2	2	< 0.5	0.5
Xylenes	ug/l	400	10	< 6	6	< 2	2
Ethylbenzene	ug/l	290	5	13	2	< 0.6	0.6

Sample Type: Water

Method and Constituent	Units	MW-A		Duplicate	
		Concentration	Detection Limit	Concentration	Detection Limit
DHS Method:					
Total Petroleum Hydrocarbons as Gasoline	ug/l	< 5	5	10,000	200
Modified EPA Method 8020:					
Benzene	ug/l	< 0.5	0.5	2,700	30
Toluene	ug/l	< 0.5	0.5	42	20
Xylenes	ug/l	< 2	2	190	80
Ethylbenzene	ug/l	< 0.6	0.6	200	30

Louis W. DuPuis
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 Lorenzo</u>						NO. OF CONTAINERS	collected, sealed, labeled VOA bottles pres. w/ HCl stored in wet ice at 4°C transported to Trace test for TPH ₉ + BTX	8832 MARKS		
JOB NUMBER <u>211-012-11</u>										
REQUESTOR <u>M. Lane</u>										
SAMPLERS (Signature) <u>Bee Barnt</u>										
SAMPLE I.D.	DATE	TIME	COMP	GRAB	LOCATION					
					MW=Monitoring Well					
MW-1	6/24/90			✓	MW-1	2	✓✓✓✓			
MW-2				✓	MW-2	2	✓✓✓✓			
MW-3				✓	MW-3	2	✓✓✓✓			
MW-4				✓	MW-4	2	✓✓✓✓			
MW-5				✓	MW-5	2	✓✓✓✓			
MW-6				✓	MW-6	2	✓✓✓✓			
MW-7				✓	MW-7	2	✓✓✓✓			
MW-8				✓	MW-8	2	✓✓✓✓			
MW-9				✓	MW-9	2	✓✓✓✓			
MW-A				✓	MW-A	2	✓✓✓✓			
Duplicate				✓	Duplicate	2	✓✓✓✓			
RELINQUISHED BY (Signature) <u>Bee Barnt</u>						DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
REPRESENTING: <u>DEERS</u>						<u>6/22/90</u>	<u>5:00 PM</u>		<u>6/22</u>	
RELINQUISHED BY (Signature)						DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
REPRESENTING:										
RELINQUISHED BY (Signature)						DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
REPRESENTING:								<u>Chris Best</u>	<u>6/22</u>	<u>5pm</u>
RELINQUISHED BY (Signature)						DATE	TIME	RECEIVED BY (Signature)	DATE	TIME
REPRESENTING:								<u>TAL</u>		

Normal TAT

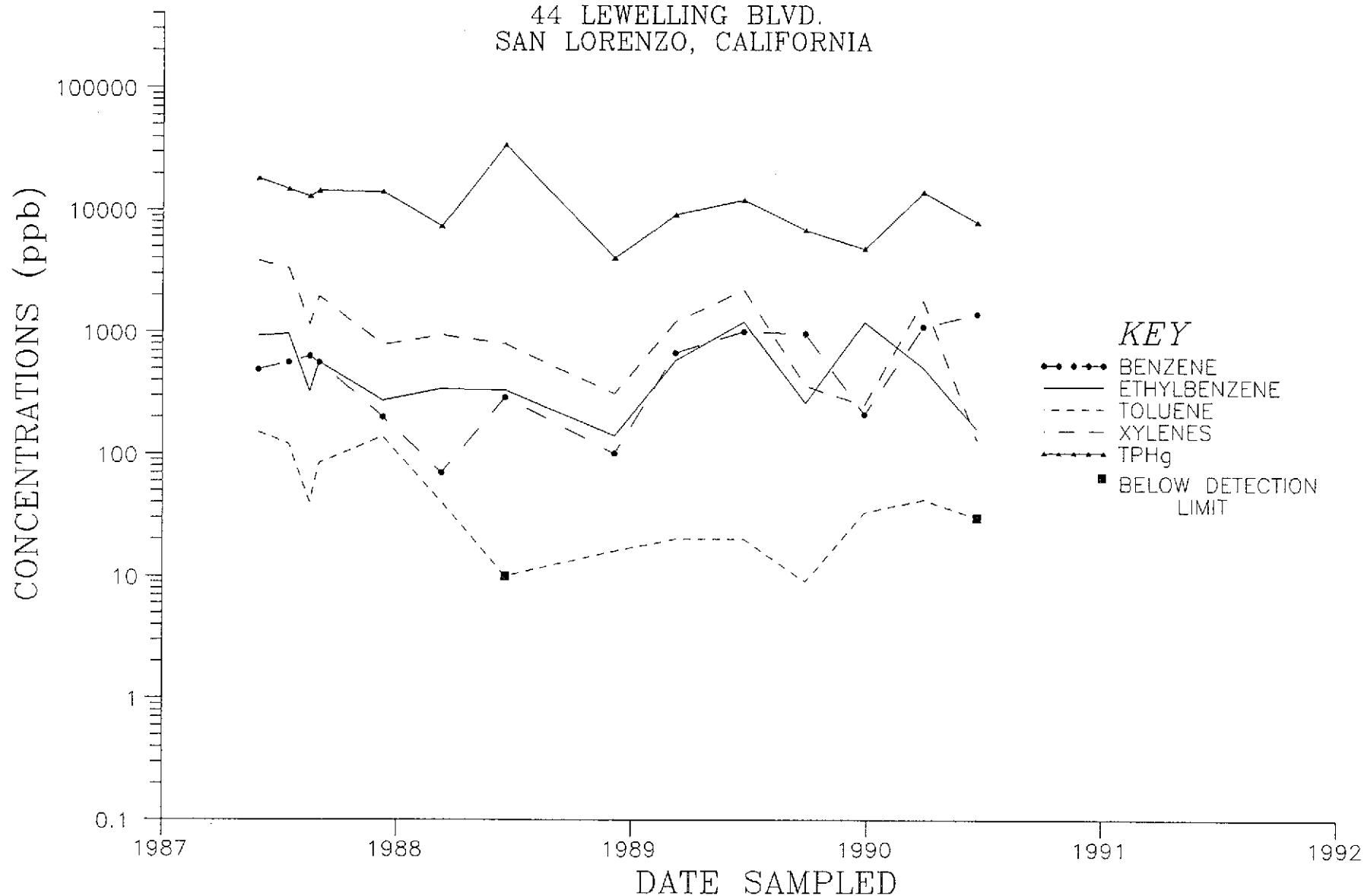
APPENDIX B

GRAPHS ILLUSTRATING GROUND-WATER ANALYSES

GROUND-WATER ANALYSES DATA

WELL MW-1

JET GAS STATION
44 LEWELLING BLVD.
SAN LORENZO, CALIFORNIA

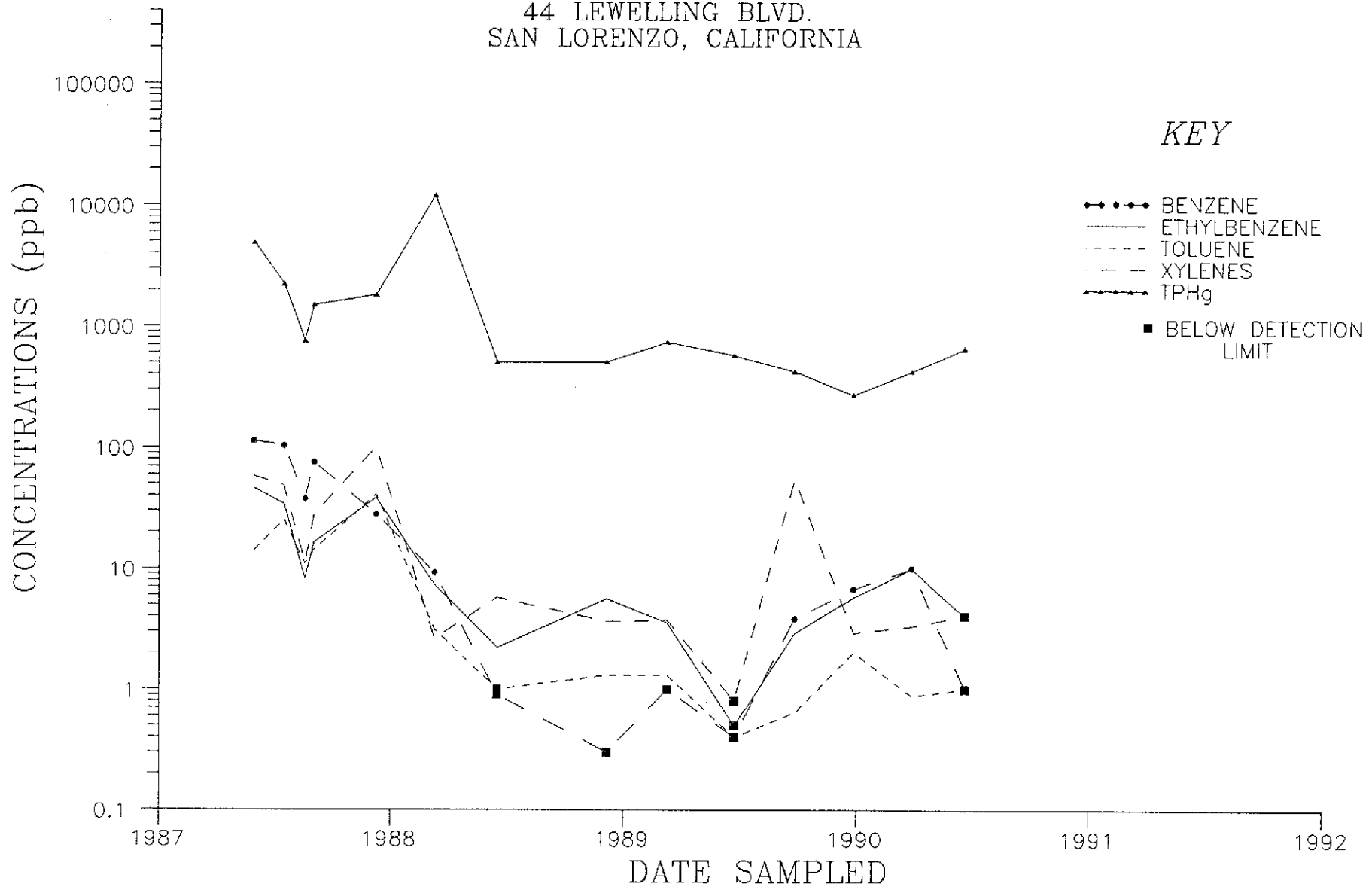


NOTE: Laboratory detection limits may vary due to analytical procedures used.

GROUND-WATER ANALYSES DATA

WELL MW-2

JET GAS STATION
44 LEWELLING BLVD.
SAN LORENZO, CALIFORNIA

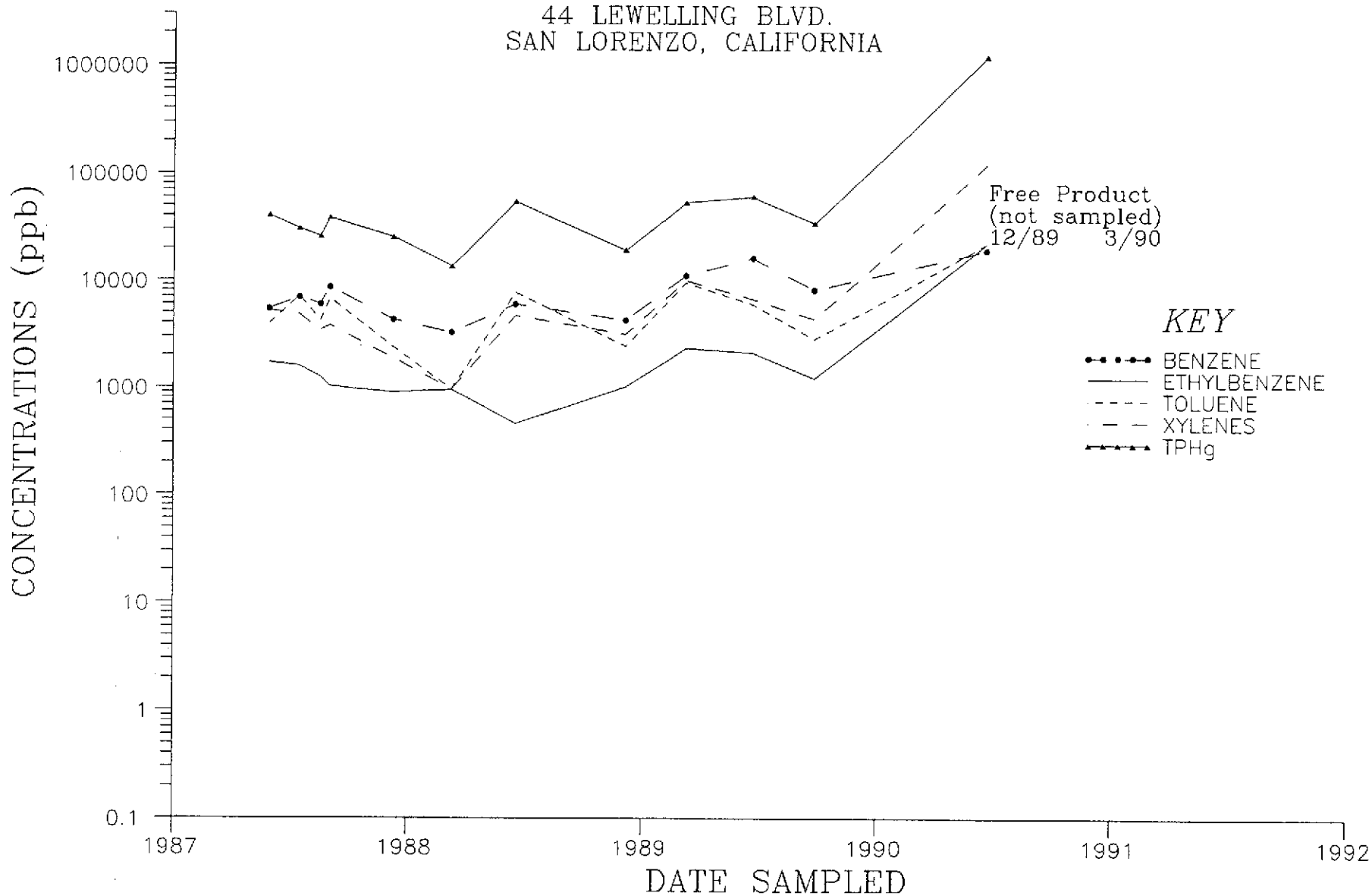


NOTE: Laboratory detection limits may vary due to analytical procedures used.

GROUND-WATER ANALYSES DATA

WELL MW-3

JET GAS STATION
44 LEWELLING BLVD.
SAN LORENZO, CALIFORNIA



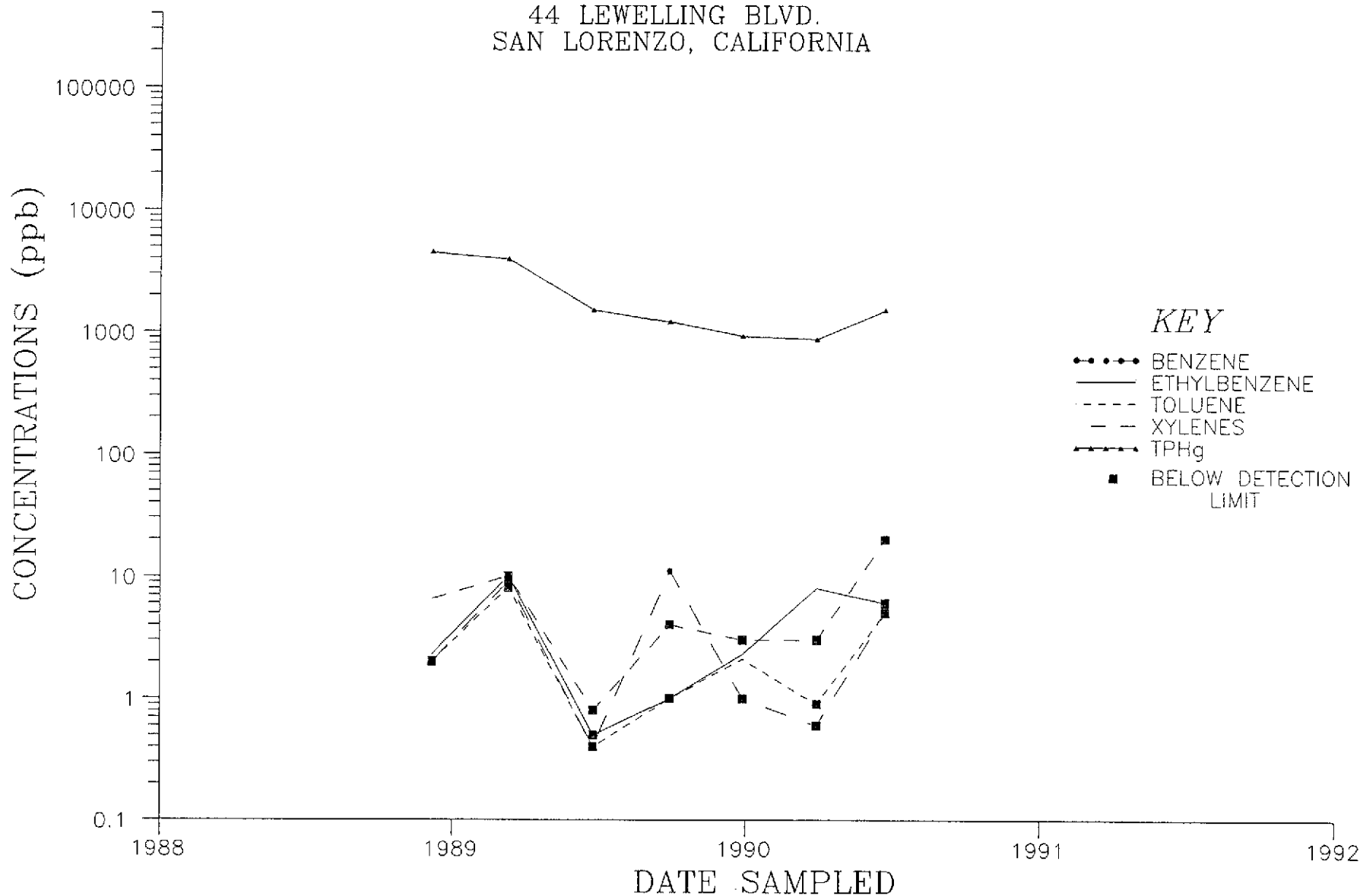
KEY
●●●● BENZENE
—— ETHYLBENZENE
- - - TOLUENE
- · - · XYLENES
- - - - TPHg

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

GROUND-WATER ANALYSES DATA

WELL MW-4

JET GAS STATION
44 LEWELLING BLVD.
SAN LORENZO, CALIFORNIA

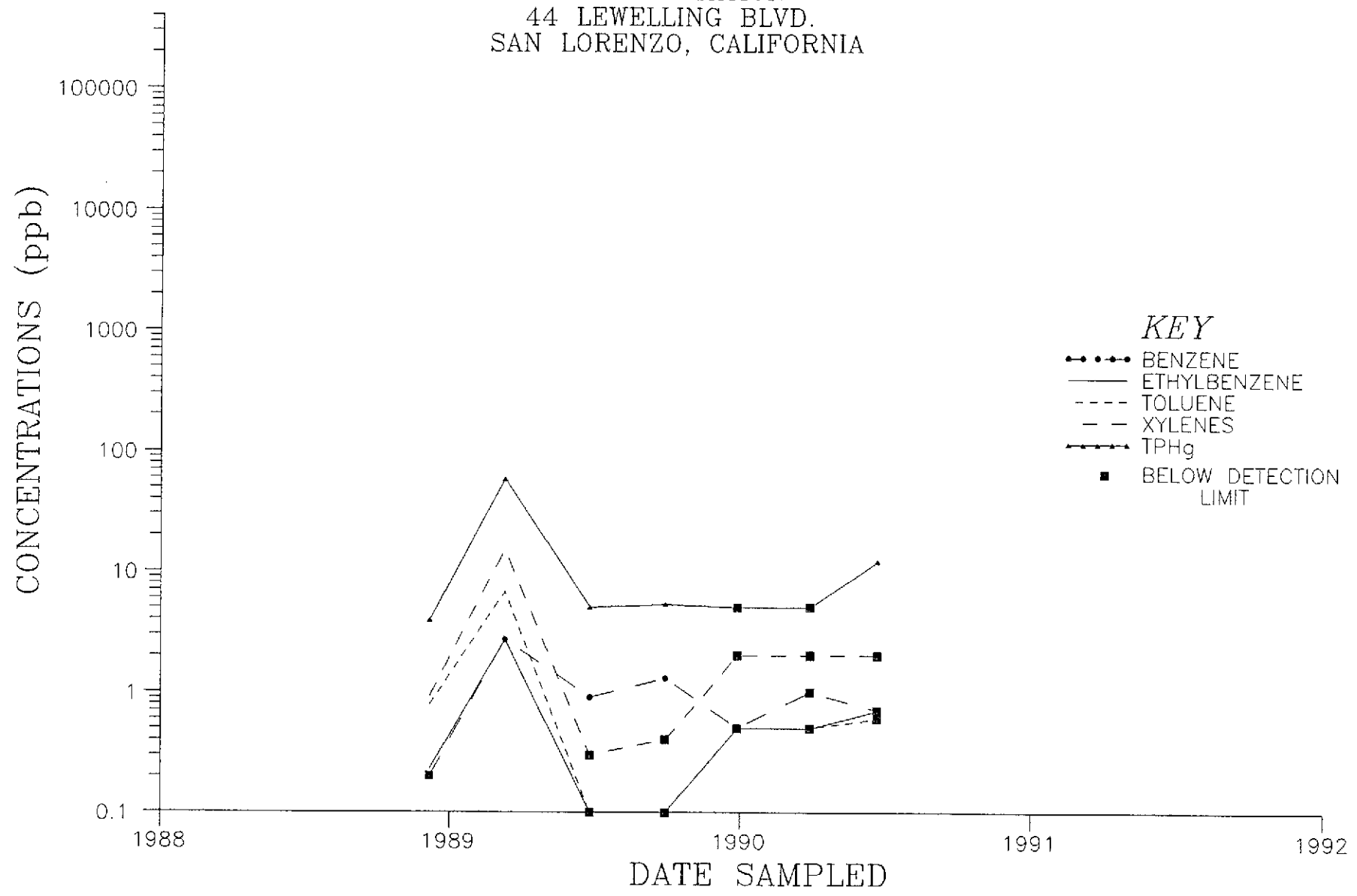


NOTE: Laboratory detection limits may vary due to analytical procedures used.

GROUND-WATER ANALYSES DATA

WELL MW-5

JET GAS STATION
44 LEWELLING BLVD.
SAN LORENZO, CALIFORNIA

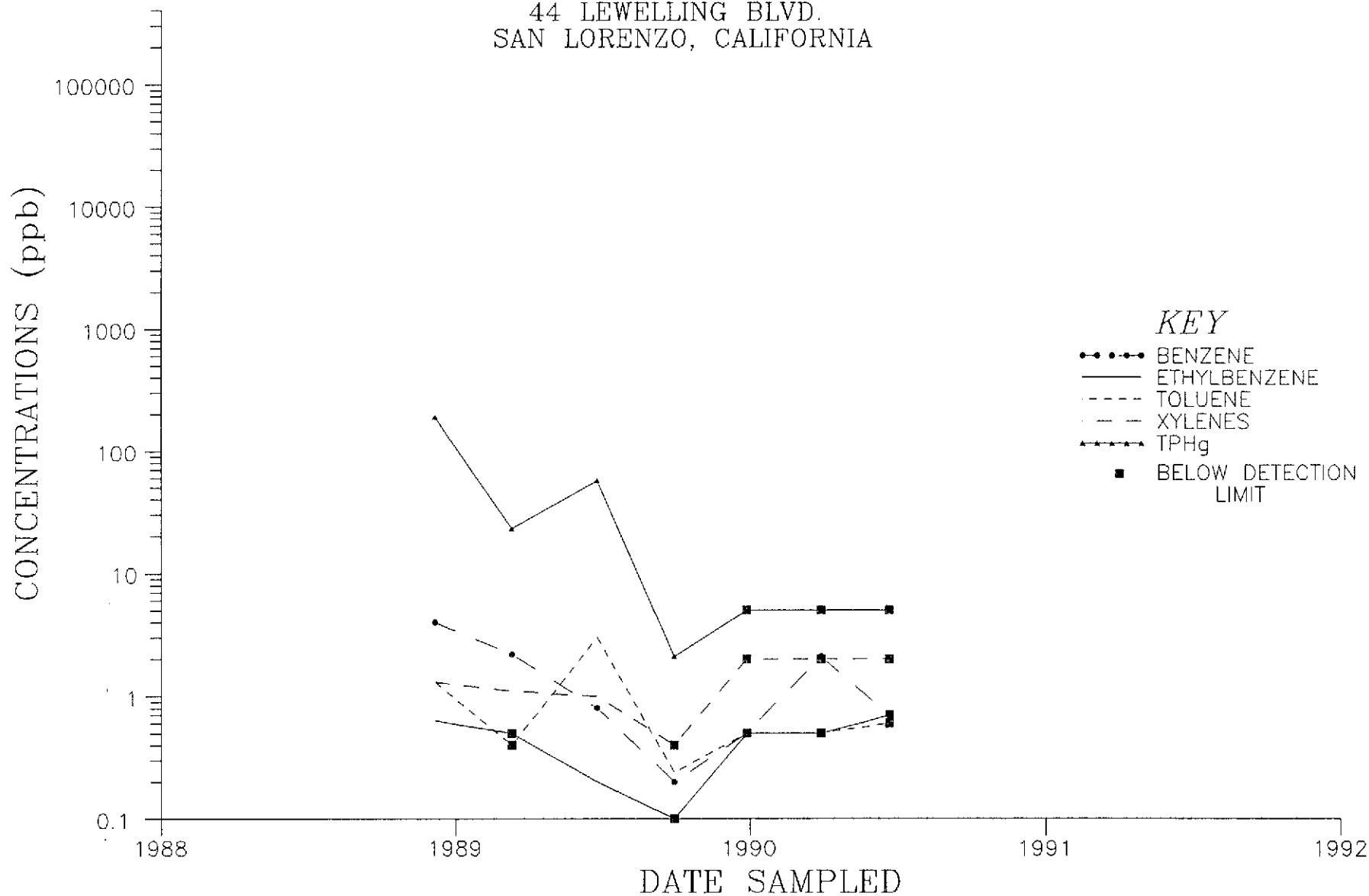


NOTE: Laboratory detection limits may vary due to analytical procedures used.

GROUND-WATER ANALYSES DATA

WELL MW-6

JET GAS STATION
44 LEWELLING BLVD.
SAN LORENZO, CALIFORNIA

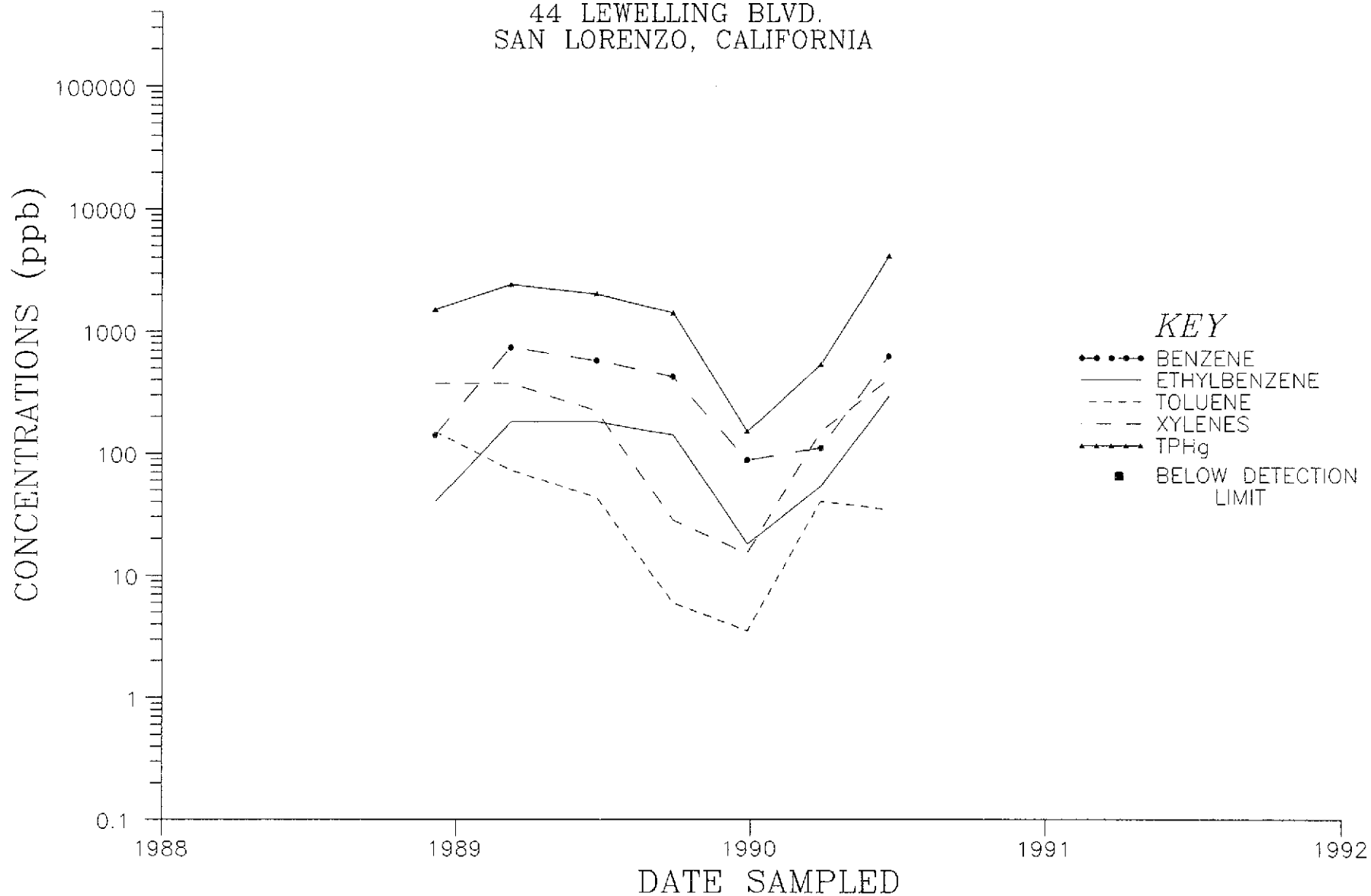


NOTE: Laboratory detection limits may vary due to analytical procedures used.

GROUND-WATER ANALYSES DATA

WELL MW-7

JET GAS STATION
44 LEWELLING BLVD.
SAN LORENZO, CALIFORNIA

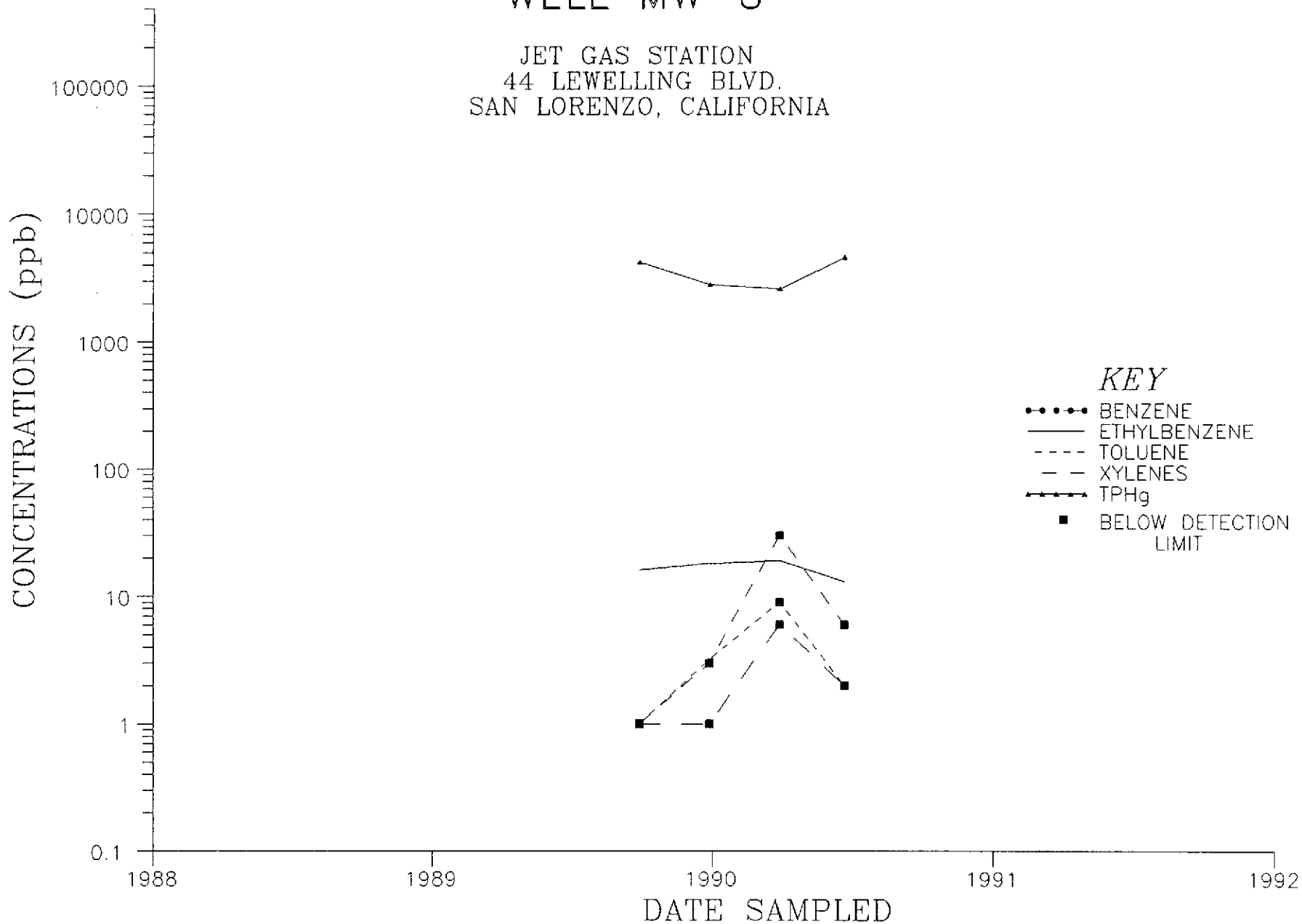


NOTE: Laboratory detection limits may vary due to analytical procedures used.

GROUND-WATER ANALYSES DATA

WELL MW-8

JET GAS STATION
44 LEWELLING BLVD.
SAN LORENZO, CALIFORNIA



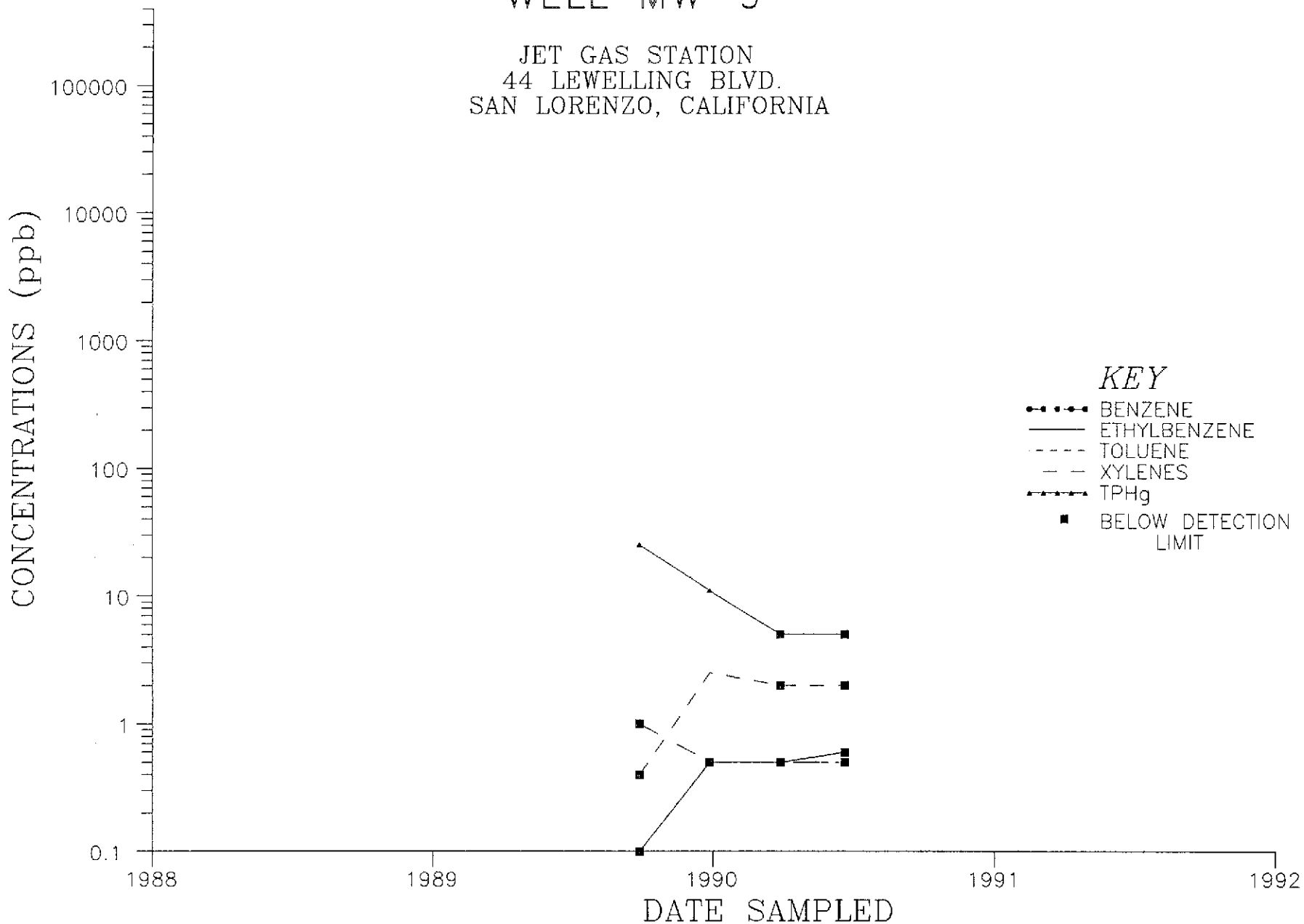
- KEY*
- BENZENE
 - ETHYLBENZENE
 - - - - TOLUENE
 - - - - XYLENES
 - +—+—+ TPHg
 - BELOW DETECTION LIMIT

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

GROUND-WATER ANALYSES DATA

WELL MW-9

JET GAS STATION
44 LEWELLING BLVD.
SAN LORENZO, CALIFORNIA



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

GROUND-WATER MONITORING WELL
FIELD SAMPLING DATA SHEET

SITE: SAN LORENZO

JOB # 211-Q12-11

DATE: 6/21/90

WELL # MW-1
CASING DIAMETER 2-inch
DEPTH TO WATER 19.69
TOTAL DEPTH 32.8
WELL VOLUME 2.1 gal
PURGE METHOD bauler

GALLONS PURGED	pH*	Conduc-tivity	Temp.
I		1010	68.7
4		990	68.3
6		990	68.2
8		980	68.2

WELL # MW-2
CASING DIAMETER 2-inch
DEPTH TO WATER 19.12
TOTAL DEPTH 33.3
WELL VOLUME 2.1 gal
PURGE METHOD bauler

GALLONS PURGED	pH*	Conduc-tivity	Temp.
I		1110	68.3
6		1080	68.2
8		1070	68.3
10		1060	68.2
12		1060	68.2

WELL # MW-3
CASING DIAMETER 2-inch
DEPTH TO WATER 19.35
TOTAL DEPTH 32.0
WELL VOLUME 2.1 gal
PURGE METHOD bauler

GALLONS PURGED	pH*	Conduc-tivity	Temp.
I		1400	68.1
4		1370	68.0
6		1370	68.1
8		1380	68.1

WELL # MW-4
CASING DIAMETER 2-inch
DEPTH TO WATER 20.78
TOTAL DEPTH 24.5
WELL VOLUME 0.6 gal
PURGE METHOD bauler

GALLONS PURGED	pH*	Conduc-tivity	Temp.
bailed dry @ 1 gallon. let Recharge and sample.			

* pH meter not functioning

Sampled by: JB

GROUND-WATER MONITORING WELL
FIELD SAMPLING DATA SHEET

SITE: SAN LORENZO JOB # 211-Q12-11 DATE: 6/21/90

WELL # MW-5
CASING DIAMETER 2-inch
DEPTH TO WATER 19.82
TOTAL DEPTH 29.1
WELL VOLUME 1.6gal
PURGE METHOD bauler

WELL # MW-6
CASING DIAMETER 2-inch
DEPTH TO WATER 18.53
TOTAL DEPTH 28.4
WELL VOLUME 1.6gal
PURGE METHOD bauler

GALLONS PURGED	pH *	Conduc-tivity	Temp.
I		2100	69.1
2		2080	69.2
4		2010	69.2
6		2010	69.3

GALLONS PURGED	pH *	Conduc-tivity	Temp.
Bailed dry @ 2 gallons. Let recharge and sample.			

WELL # MW-7
CASING DIAMETER 2-inch
DEPTH TO WATER 17.88
TOTAL DEPTH 24.1
WELL VOLUME 1gal
PURGE METHOD bauler

WELL # MW-8
CASING DIAMETER 2-inch
DEPTH TO WATER 18.80
TOTAL DEPTH 23.1
WELL VOLUME 0.4gal
PURGE METHOD bauler

GALLONS PURGED	pH *	Conduc-tivity	Temp.
I		1410	67.3
2		1400	67.4
4		1400	67.3
6		1410	67.4

GALLONS PURGED	pH *	Conduc-tivity	Temp.
Bailed dry @ 1.5 gallons. Let recharge & sample.			

pH meter not functioning

Sampled by: BB

GROUND-WATER MONITORING WELL
FIELD SAMPLING DATA SHEET

SITE: SAN LORENZO JOB # 211-Q12-11 DATE: 6/21/90

WELL # MW-9
CASING DIAMETER 2-inch
DEPTH TO WATER 21.11
TOTAL DEPTH 23.6
WELL VOLUME 0.4 gal
PURGE METHOD bailer

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

GALLONS PURGED	pH	Conduc-tivity	Temp.
<p><i>bailed dry @ 1.5 gallons. let recharge and sample.</i></p>			

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: BB