

# SAMPLING SPECIALISTS

A DIVISION OF PRATT CONSULTING COMPANY

COMPLETE WELL DEVELOPMENT SERVICES

ENVIRONMENTAL SAMPLE  
COLLECTION SPECIALISTS

COMPLETE BAILING, PURGING AND SAMPLING SERVICE FOR  
MONITORING, RECOVERY AND VADOSE WELLS IN THE FOLLOWING STATES:  
CALIFORNIA, NEVADA, OREGON, WASHINGTON, ARIZONA, IDAHO AND UTAH

792-6882

Office Locations  
3146 Manor Avenue  
Walnut Creek, California 94596

12003 49th Street North  
Building 307  
Clearwater, Florida 34622

1-(415)-932-4356 Office  
1-(415)-932-4256 Fax

May 11, 1990

San Lorenzo Village Homes Association  
Nancy Van Huffel  
377 Paseo Grande  
San Lorenzo, California 94580

Re: Quarterly Sampling Report - San Lorenzo Fire Station

Dear Nancy Van Huffel,

This report presents the results of the quarterly groundwater monitoring of the existing wells by Sampling Specialists Company on May 11, 1990.

## Sampling Specialists Company Well Monitoring Procedure

The well manway and top of casing seals are first inspected for possible leaks into the well of surrounding standing water. Next using a liquid level indicator the depth to groundwater and casing bottom are recorded. Using a NEW BAILER CORD and a DISPOSABLE BAILER we collect the first draw of product from the well being careful to only let the bailer enter the groundwater halfway. After extracting the bailer we check for the amount of free-floating hydrocarbons if any or note the sheen. Then using our previous measurements to groundwater and casing bottom we calculate how much well column is in the water. We then multiply this number by .17 gallons per foot for 2" column, .66 gallons per foot for 4" column etc. Finally we multiply by 3 to calculate the number of gallons we bail before sample collection. After allowing the well to recover to at least 90% of it's pre-bailed groundwater level we again take a measurement to groundwater level prior to sampling. VOA's vials are filled first from the first draw from well and from the same sampler. Liters are then filled. Duplicates are always collected when VOA's vials are used. Samples are kept on ice and delivered to the state certified laboratory within 24 hours of collection.

### \* NOTE \*

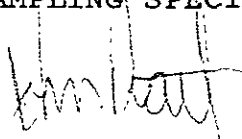
The practice of using new bailer cord and disposable bailers/samplers for each well eliminates the possibility of cross contamination.

## Analysis Requested

The samples were delivered to the state certified laboratory of CHROMALAB, INC. in San Ramon, California. The analysis were for Total Petroleum Hydrocarbons as Gasoline with BTEX for MW-1. The analysis results, chain of custody and updated yearly summary are attached.

If you have any further questions or concerns please feel free to call our office.

Sincerely,  
SAMPLING SPECIALISTS COMPANY



Mr. John T. Pratt  
General Manager

1031-011-002

**SAMPLING SPECIALISTS**  
A DIVISION OF PRATT CONSULTING COMPANY  
**COMPLETE WELL DEVELOPMENT SERVICES**

*ENVIRONMENTAL SAMPLE  
COLLECTION SPECIALISTS*

COMPLETE BAILING, PURGING AND SAMPLING SERVICE FOR  
MONITORING, RECOVERY AND VADOSE WELLS IN THE FOLLOWING STATES:  
CALIFORNIA, NEVADA, OREGON, WASHINGTON, ARIZONA, IDAHO AND UTAH

Office Locations  
3146 Manor Avenue  
Walnut Creek, California 94596

12003 49th Street North  
Building 307  
Clearwater, Florida 34622

1-(415)-932-4356 Office  
1-(415)-932-4256 Fax

---

MONITORING WELL FIELD NOTES

SAN LORENZO VILLAGE	PROJECT NAME
1031-011-002	PROJECT NUMBER
05/11/90	DATE OF ACTIVITIES (SAMPLING OR DEVELOPMENT)
MS	BY (SAMPLING TECHNICIANS)
MW-1	CLIENT'S MONITORING/RECOVERY/ VADOSE WELL NUMBER
CLIENT TO PROVIDE	TOP OF CASING ELEVATION (Provided By Client)
9.88'	DEPTH TO WATER FROM WELL CASING BEFORE BAILING
30'	TOTAL DEPTH OF USABLE COLUMN (TO NEAREST FOOT MARKING)
12.9'	DEPTH TO WATER FROM WELL CASING BEFORE SAMPLING
2"	DIAMETER OF MONITORING/RECOVERY/ VADOSE WELL
20'	AMOUNT OF WELL COLUMN IN WATER (INCLUDING OIL INTERFACE)
17.00 GALLONS	REQUIRED AMOUNT OF GROUNDWATER TO PURGE FROM WELL IS
20 GALLONS	APPROXIMATE AMOUNT GROUNDWATER REMOVED FROM WELL
GRADE LEVEL MANWAY	TYPE OF SEAL AT GRADE (VANDAL PROOF MANWAY LID/ELEVATED STOVEPIPE)
YES	IS SEAL AT GRADE WATER TIGHT
2" WING NUT PLUG	TYPE OF CAP
YES	IS CAP WATER TIGHT
4	NUMBER OF SAMPLES COLLECTED (40mil VOA FOR GAS/BTEX AND Liters For Diesel
NO	DID 40 mil VOA CONTAINERS HAVE HEADSPACE BEFORE DELIVERY TO LABORATORY
YES	WERE CONTAINERS KEPT ON ICE PRIOR TO BEING DELIVERED TO LABORATORY
YES	WAS THERE A QA / QC SAMPLER BLANK SAMPLE COLLECTED

(All Groundwater Samples Collected Are Kept On ice And Delivered To The Laboratory For Analysis In Less Than 24 Hours After being Collected)

NR	SAMPLE TEMPERATURE (F) (Special Request)
NR	SAMPLE PH LEVEL (Special Request)
NR	SPECIFIC GRAVITY OF SAMPLE (Special Request)
NA	CONDITION OF WATER DURING DEVELOPMENT (IF APPLIES)
CLEAR	CONDITION OF WATER DURING INITIAL BAILING PERIOD
CLEAR	CONDITION OF WATER FOR SAMPLE
NO	DID BAILED PRODUCT HAVE ANY TYPE OF PETROLEUM ODOR
	DOES WELL NEED REDEVELOPED
TPH/GAS/BTEX	TYPE OF ANALYSIS REQUESTED
NORMAL	TURNAROUND TIME REQUESTED
DISPOSABLE	TYPE OF BAILER USED
NO	WAS BAILER CLEANED IN FIELD

This monitoring well field guide is provided to give you the necessary answers to questions you might have concerning the condition of the well. Any recommendations that we make are solely based on knowledge gained from a visual inspection of the well during bailing and sampling. On request we would furnish a cost estimate to complete any recommendations that we made. If you have any further questions concerning this well please call our office for assistance.

---

Special Services Include: 5-Day Standard Turnaround Time On Laboratory Analysis At No Additional Charge, Fax Results Upon Completion Of Analysis (If Requested), Full QA / QC Reports Included At No Additional Charge, Specialized Underground Tank And Associated Pipe Testing For Leaks And Repairs. Check For Other Services

# CHROMALAB, INC.

Analytical Laboratory  
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#238)
- Drinking Water (#955)
- Waste Water
- Consultation

May 21, 1990

ChromaLab File No.: 0590094

SAMPLING SPECIALISTS, INC.

Attn: John Pratt

RE: One water sample for Gasoline/BTEX analysis

Project Name: SAN LORENZO VILLAGE HOMES

Project Number: 1031-011-002

Date Sampled: May 14, 1990

Date Submitted: May 14, 1990

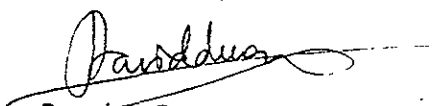
Date Extracted: May 16-18, 1990

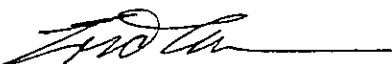
Date Analyzed: May 16-18, 1990

## RESULTS:

Sample No.	Gasoline (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
MW-1	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY	90.1%	91.4%	90.1%	98.5%	98.7%
DETECTION LIMIT	0.5	1.0	1.0	1.0	1.0
METHOD OF ANALYSIS	MOD.8015	602	602	602	602

ChromaLab, Inc.

  
David Duong  
Senior Chemist

  
Eric Tam  
Laboratory Director

# CHROMALAB, INC.

Analytical Laboratory  
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#238)
- Drinking Water (#955)
- Waste Water
- Consultation

May 21, 1990

ChromaLab File No.: 0590094

SAMPLING SPECIALISTS, INC.

Attn: John Pratt

RE: One water sample for Gasoline/BTEX analysis

Project Name: SAN LORENZO VILLAGE HOMES

Project Number: 1031-011-002

Date Sampled: May 14, 1990

Date Submitted: May 14, 1990

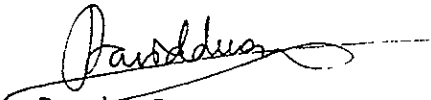
Date Extracted: May 16-18, 1990

Date Analyzed: May 16-18, 1990

## RESULTS:

Sample No.	Gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)
MW-1	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY	90.1%	91.4%	90.1%	98.5%	98.7%
DETECTION LIMIT	0.5	1.0	1.0	1.0	1.0
METHOD OF ANALYSIS	MOD.8015	602	602	602	602

ChromaLab, Inc.

  
David Duong  
Senior Chemist

  
Eric Tam  
Laboratory Director