

**Pratt Consulting Company**  
**Independent Third Party Sampling**  
**Monitoring Well Services**

**Environmental Sampling**  
**Water Quality Surveys**  
**Recovery Well Services**

Office Location  
1845 Robin Lane  
Suite 106  
Concord, California 94520

Complete Bailing, Purging, Developing And Sampling Services For  
Monitoring And Recovery Wells In The Following States:  
California, Oregon, Washington, Idaho, Nevada, Utah, Arizona and Florida  
Comprehensive Drinking Water Quality Survey's

Telephone Numbers  
415/798-6705 off

**REPORT ON QUARTERLY GROUNDWATER  
SAMPLING AND ANALYSIS**

Project Name: Ramos Property  
Address: 5293 Crow Canyon Road  
City, State, Zip: Castro Valley, California  
Project Number: 5098-113.003

Client Name: Frank Ramos, Inc.  
Contact: Frank Ramos  
Address: 2381 Groveway  
City, State, Zip: Castro Valley, California 94546

Services Provided: Well Purging & Sampling

Date Sampled: 8/21/91  
Date Samples Delivered To Laboratory: 8/21/91  
Laboratory Name: Medtox

This report presents the results of the sampling performed by Pratt Consulting Company on August 21, 1991 at the above referenced facility. The following list contains the protocol that we follow when sampling monitoring wells.

- A. Remove well box cover at grade and remove cap on well casing checking the integrity of both. The size of the well and condition of both caps and seals are noted.
- B. Using a water level indicator we measure the distance between the top of well casing and groundwater level before bailing or sampling.
- C. Using the water level indicator we measure the distance from the top of the well casing to the bottom of the well casing.
- D. Between wells we wash and clean the water level indicator, Teflon Samplers and all other equipment that is used in the course of bailing and sampling.
- E. We calculate the amount of groundwater in the well casing and multiply by 5 times. This represents 5 well casing volumes of water in gallons and we evacuate this amount

from the well, when possible, previous to sampling.

- F. We allow the well to recover it's water level to at least 85% of it's original value previous to sampling.
- G. We use Teflon Samplers or Disposable Bailers for sampling.
- H. Well is properly closed up.
- I. Samples are properly contained and labeled, placed on ice in coolers, and then delivered to the state certified laboratory for analysis, accompanied by the chain of custody document.

### EQUIPMENT CLEANING PROTOCOL

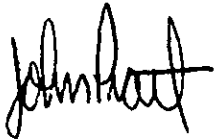
We use Algonox and Liquinox brand cleaners as our detergents. We use fresh water for cleaning and rinsing the equipment. All pieces of equipment are scrubbed clean and then rinsed before being put back into service. If a piece of equipment becomes to heavily contaminated we take it out of service at the expense of the client.

The monitoring wells were sampled in the following order MW-1, MW-2, MW-3, MW-4, MW-5.


Based on the laboratory results, as reported, the groundwater generated during sampling was discharged from holding tanks or barrels into a local storm drain at the site.

Attached is a copy of the chain of custody document, well information sheets and site map showing the location of the wells (not to scale). We appreciate the opportunity to be of service to you.

Sincerely,  
Pratt Consulting Company  
John T. Pratt

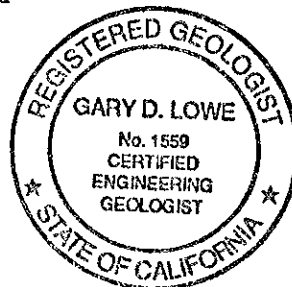


The above groundwater sampling report is the sole responsibility of Pratt Consulting Company. The sampling and equipment decontamination protocol discussed in the report and the sample chain-of-custody procedures are within established environmental industry standards. Adherence to the indicated protocol is the responsibility of Pratt Consulting Company. The reviewer is not responsible for and does not necessarily condone the indicated wastewater disposal practices. This report has been reviewed by:



Gary D. Lowe, R.G., C.E.G.  
Principal, Hydrogeologist  
H,OGEOLOG A GroundWater Consultany

February 06, 1992



SITE NAME: Ramos Property  
 ADDRESS: 5293 Crow Canyon Road  
 CITY/STATE: Castro Valley, CA  
 DATE: 8/21/91

WELL NUMBER: MW-1

Depth To Groundwater (ft): 15.960  
 Total Depth Of Well (ft): 51.140

Top Of Casing Elevation (ft): 0.000  
 Groundwater Elevation (ft): 0.000  
 Depth To Product (ft): 0.000  
 Product Elevation (ft): 0.000  
 Product Thickness (ft): 0.000

Diameter Of Well (inches): 2.000  
 Well Column In Groundwater (ft): 35.180  
 Groundwater In Well Column (gls): 5.629  
 Product In Well Column (gls): 0.000  
 GW/Product Removed From Well (gls): 20.000

Manway Or Stove Pipe: Stovepipe

PH Reading After Stabalization: 8.580  
 Temp (F) Reading After Stabalization: 65.500  
 Conductance After Stabalization: 1,148.000

Condition Of Water: Clear  
 Petroleum Odor Present: No

Type Of Bailer/Pump Used: 2" SS Air Lift  
 Type Of Sampler Used: Teflon Sampler

LAB ANALYSIS	RESULTS	DETECTION LIMIT
TPH/Gasoline (mg/L):	ND	0.050
TPH/Diesel (mg/L):	NA	0.050
Benzene (ug/L):	ND	0.300
Toluene (ug/L):	ND	0.300
Ethylbenzene (ug/L):	ND	0.300
Xylenes (ug/L):	ND	1.000
EPA Method 8010 (ug/L):	NA	0.500
EPA Method 8080 (ug/L):	NA	0.500
EPA Method 8270 (mg/L):	NA	0.050
Oil & Grease (mg/L):	NA	0.500
Cadmium (mg/L):	NA	0.005
Chromium (mg/L):	NA	0.005
Lead (mg/L):	NA	0.020
Zinc (mg/L):	NA	0.005

ND For "Non-Detected"  
 NA For "Not-Applicable"

SITE NAME: Ramos Property  
ADDRESS: 5293 Crow Canyon Road  
CITY/STATE: Castro Valley, CA  
DATE: 8/21/91

WELL NUMBER: MW-2

Depth To Groundwater (ft): 9.480  
Total Depth Of Well (ft): 30.300

Top Of Casing Elevation (ft): 0.000  
Groundwater Elevation (ft): 0.000  
Depth To Product (ft): 0.000  
Product Elevation (ft): 0.000  
Product Thickness (ft): 0.000

Diameter Of Well (inches): 2.000  
Well Column In Groundwater (ft): 20.820  
Groundwater In Well Column (gls): 3.331  
Product In Well Column (gls): 0.000  
GW/Product Removed From Well (gls): 25.000

Manway Or Stove Pipe: Stovepipe

PH Reading After Stabalization: 8.360  
Temp (F) Reading After Stabalization: 67.250  
Conductance After Stabalization: 1,290.000

Condition Of Water: Clear  
Petroleum Odor Present: No

Type Of Bailer/Pump Used: 2" SS Air Lift  
Type Of Sampler Used: Teflon Sampler

LAB ANALYSIS

RESULTS                      DETECTION LIMIT

TPH/Gasoline (mg/L):	ND	0.050
TPH/Diesel (mg/L):	NA	0.050
Benzene (ug/L):	ND	0.300
Toluene (ug/L):	ND	0.300
Ethylbenzene (ug/L):	ND	0.300
Xylenes (ug/L):	ND	1.000
EPA Method 8010 (ug/L):	NA	0.500
EPA Method 8080 (ug/L):	NA	0.500
EPA Method 8270 (mg/L):	NA	0.050
Oil & Grease (mg/L):	NA	0.500
Cadmium (mg/L):	NA	0.005
Chromium (mg/L):	NA	0.005
Lead (mg/L):	NA	0.020
Zinc (mg/L):	NA	0.005

ND For "Non-Detected"  
NA For "Not-Applicable"

SITE NAME: Ramos Property  
 ADDRESS: 5293 Crow Canyon Road  
 CITY/STATE: Castro Valley, CA  
 DATE: 8/21/91

WELL NUMBER: MW-3

Depth To Groundwater (ft): 14.570  
 Total Depth Of Well (ft): 59.060

Top Of Casing Elevation (ft): 0.000  
 Groundwater Elevation (ft): 0.000  
 Depth To Product (ft): 0.000  
 Product Elevation (ft): 0.000  
 Product Thickness (ft): 0.000

Diameter Of Well (inches): 2.000  
 Well Column In Groundwater (ft): 44.490  
 Groundwater In Well Column (gls): 7.118  
 Product In Well Column (gls): 0.000  
 GW/Product Removed From Well (gls): 30.000

Manway Or Stove Pipe: Stovepipe

PH Reading After Stabalization: 8.160  
 Temp (F) Reading After Stabalization: 65.200  
 Conductance After Stabalization: 1,423.000

Condition Of Water: Clear  
 Petroleum Odor Present: No

Type Of Bailer/Pump Used: 2" SS Air Lift  
 Type Of Sampler Used: Teflon Sampler

LAB ANALYSIS	RESULTS	DETECTION LIMIT
TPH/Gasoline (mg/L):	ND	0.050
TPH/Diesel (mg/L):	ND	0.050
Benzene (ug/L):	ND	0.300
Toluene (ug/L):	ND	0.300
Ethylbenzene (ug/L):	ND	0.300
Xylenes (ug/L):	ND	1.000
EPA Method 8010 (ug/L):	ND	0.500
EPA Method 8080 (ug/L):	ND	0.500
EPA Method 8270 (mg/L):	ND	0.050
Oil & Grease (mg/L):	ND	0.500
Cadmium (mg/L):	ND	0.005
Chromium (mg/L):	ND	0.005
Lead (mg/L):	ND	0.020
Zinc (mg/L):	0.086	0.005

ND For "Non-Detected"  
 NA For "Not-Applicable"

SITE NAME: Ramos Property  
ADDRESS: 5293 Crow Canyon Road  
CITY/STATE: Castro Valley, CA  
DATE: 8/21/91

WELL NUMBER: MW-4

Depth To Groundwater (ft): 13.920  
Total Depth Of Well (ft): 28.100

Top Of Casing Elevation (ft): 0.000  
Groundwater Elevation (ft): 0.000  
Depth To Product (ft): 0.000  
Product Elevation (ft): 0.000  
Product Thickness (ft): 0.000

Diameter Of Well (inches): 2.000  
Well Column In Groundwater (ft): 14.180  
Groundwater In Well Column (gls): 2.269  
Product In Well Column (gls): 0.000  
GW/Product Removed From Well (gls): 30.000

Manway Or Stove Pipe: Stovepipe

PH Reading After Stabalization: 8.280  
Temp (F) Reading After Stabalization: 66.700  
Conductance After Stabalization: 1,529.000

Condition Of Water: Clear  
Petroleum Odor Present: No

Type Of Bailer/Pump Used: 2" SS Air Lift  
Type Of Sampler Used: Teflon Sampler

LAB ANALYSIS	RESULTS	DETECTION LIMIT
TPH/Gasoline (mg/L):	ND	0.050
TPH/Diesel (mg/L):	NA	0.050
Benzene (ug/L):	ND	0.300
Toluene (ug/L):	ND	0.300
Ethylbenzene (ug/L):	ND	0.300
Xylenes (ug/L):	ND	1.000
EPA Method 8010 (ug/L):	NA	0.500
EPA Method 8080 (ug/L):	NA	0.500
EPA Method 8270 (mg/L):	NA	0.050
Oil & Grease (mg/L):	NA	0.500
Cadmium (mg/L):	NA	0.005
Chromium (mg/L):	NA	0.005
Lead (mg/L):	NA	0.020
Zinc (mg/L):	NA	0.005

ND For "Non-Detected"  
NA For "Not-Applicable"

SITE NAME: Ramos Property  
ADDRESS: 5293 Crow Canyon Road  
CITY/STATE: Castro Valley, CA  
DATE: 8/21/91

WELL NUMBER: MW-5

Depth To Groundwater (ft): 10.100  
Total Depth Of Well (ft): 25.460

Top Of Casing Elevation (ft): 0.000  
Groundwater Elevation (ft): 0.000  
Depth To Product (ft): 0.000  
Product Elevation (ft): 0.000  
Product Thickness (ft): 0.000

Diameter Of Well (inches): 2.000  
Well Column In Groundwater (ft): 15.360  
Groundwater In Well Column (gls): 2.458  
Product In Well Column (gls): 0.000  
GW/Product Removed From Well (gls): 30.000

Manway Or Stove Pipe: Stovepipe

PH Reading After Stabalization: 8.330  
Temp (F) Reading After Stabalization: 65.500  
Conductance After Stabalization: 1,054.000

Condition Of Water: Clear  
Petroleum Odor Present: No

Type Of Bailer/Pump Used: 2" SS Air Lift  
Type Of Sampler Used: Teflon Sampler

#### LAB ANALYSIS

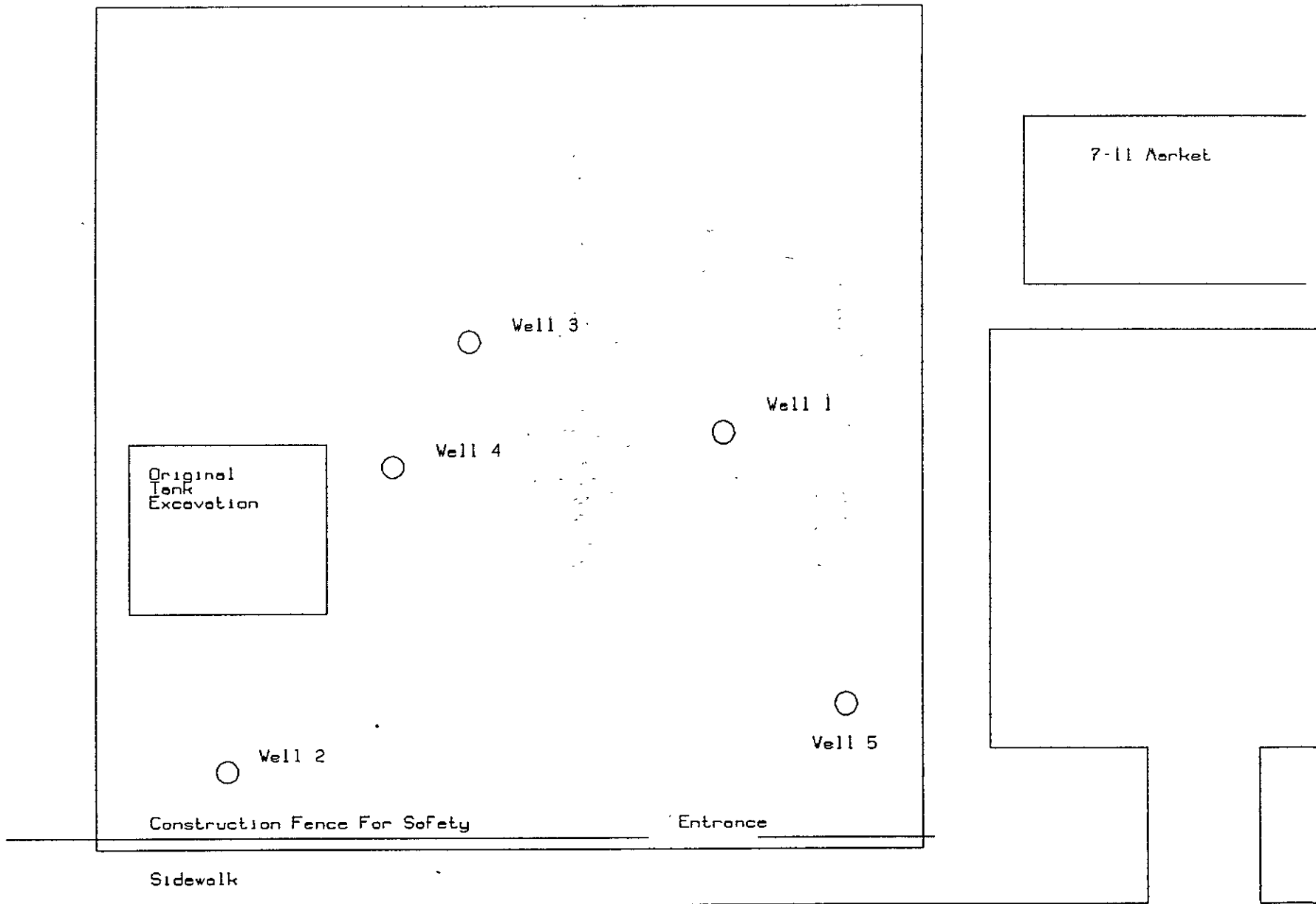
#### RESULTS

#### DETECTION LIMIT

TPH/Gasoline (mg/L):	ND	0.050
TPH/Diesel (mg/L):	NA	0.050
Benzene (ug/L):	ND	0.300
Toluene (ug/L):	ND	0.300
Ethylbenzene (ug/L):	ND	0.300
Xylenes (ug/L):	ND	1.000
EPA Method 8010 (ug/L):	NA	0.500
EPA Method 8080 (ug/L):	NA	0.500
EPA Method 8270 (mg/L):	NA	0.050
Oil & Grease (mg/L):	NA	0.500
Cadmium (mg/L):	NA	0.005
Chromium (mg/L):	NA	0.005
Lead (mg/L):	NA	0.020
Zinc (mg/L):	NA	0.005

ND For "Non-Detected"

NA For "Not-Applicable"



5293 Crow Canyon Road Castro Valley, California



**Sampling Specialists Company**  
 Independent Third Party Sampling  
 Complete Well Development Services

**Environmental Sample  
 Collection Specialists**  
 Liquid & Solid Sampling

Office Location  
 5393 Pacheco Boulevard #13  
 Pacheco, California 94553

Complete Bailing, Purging And Sampling Services For  
 Monitoring And Recovery Wells In The Following States:  
 California, Nevada, Oregon, Washington, Arizona, Idaho and Utah

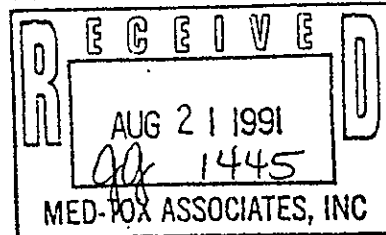
R-1,S-G  
 R-3,S-1

Telephone Numbers  
 1-415-798-6882 Office  
 1-415-798-6908 Fax

9108156

CHAIN OF CUSTODY RECORD

Client Name: Sampling Specialists Company  
 Address: 5393 Pacheco Boulevard Suite B  
 City, State, Zip: Pacheco, California 94553  
 Project Or P.O.: 5098-113  
 Phone: 415/798-6882  
 Report Attention: John Pratt



Fax: 415/698-6908

TYPE OF ANALYSIS

- 1 TPH/Gas w/Btex
- 2 TPH/Diesel
- 3 8010
- 4 8270
- 5 Total Oil Grease *5520CF*
- 6 Cadmium, Chromium, Lead, Zinc, PCB's Only

Sample Number	Date Sampled	Time Sampled	Number Of Containers	Sample Type	1	2	3	4	5	6
<i>01A-E</i> MW-1	082191	AM	5	GW	X					
<i>02A-E</i> MW-2	082291	AM	5	GW	X					
<i>03A-F</i> MW-3	082291	AM	6	GW	X	X	X	X	X	X
<i>04A-E</i> MW-4	082191	PM	5	GW	X					
<i>05A-E</i> MW-5	082191	PM	5	GW	X					

Turnaround Time 24Hr( ) 48Hr( ) 5Day( ) 7Day(x)  
 Fax Results To: 1-415-798-6908  
 Relinquished By: John T. Pratt 8/21/91  
 Received By: *Kim Flores 8/21/91*

*Richard K. ...*

REQUEST FOR ANALYSIS/ CHAIN OF CUSTODY

Lab Job Number: 9109126
Lab Destination:
Date Samples Shipped:
Lab Contact:
Date Verbals Required:
Date Report Required:
Client Contact PH. No.:
Client Contact Fax No.:

Reporting Information:
1. Client: SAMPLING SPECIALIST
Address: 5393 PACHECO BLVD
PACHECO, CA 94553
Contact: JOHN PRATT
Alt. Contact:

Address Invoice To:
3.

Address Report To:
2.

Send Invoice To:
4.

Send Report To: 1 or 2 (Circle one)
Client project/P.O. #: 5098-113
Sample Team Member ('s):

Table with columns: Lab Number, Client Sample Identification, Air Volume, Date/Time Collected, Sample Type, Pres., No. of Cont., Type of Cont., and Comments/Inst., Hazards, etc. Includes handwritten entries for MW-3, date 9/14/91, and analysis results for SEE RUBEN, PCBs, Cd, Cr, Pb, Zn.

Relinquished by: (Signature) Mike Spycow DATE 9/19/91 TIME Received by: (Signature) Denise Harrington DATE 9/19/91 TIME 0950
Method of Shipment Lab Comments

\* Sample type (Specify): 1) 25 mm 0.45 Um MCEF 2) 25 mm 0.8 Um MCEF 3) 25 mm 0.4 Um polycarb. filter 4) 37 mm 0.8 Um 5) PVC filter diam. pore size
6) Charcoal tube 7) Silica gel tube 8) Waste Water 9) Soil 10) Bulk 11) Other
COPIES: WHITE - JOB FILE - YELLOW - PROJECT FILE - PINK - CLIENT