

# HAGEMAN-AGUIAR, INC.

*Underground Contamination Investigations  
Groundwater Consultants, Environmental Engineering*

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92 JAN 13 7:13:00

January 2, 1992

## REPORT OF QUARTERLY GROUNDWATER SAMPLING

GRANHOLT SHEET METAL  
501 SAN PABLO AVENUE  
ALBANY, CA

On December 17, 1991, the one on-site monitoring well was sampled for the laboratory analysis for dissolved petroleum constituents. The location of the site is shown in Figure 1 (site location map).

### Monitoring Well Sampling and Laboratory Analysis

On December 17, 1991, the one on-site well was purged, and groundwater samples were subsequently collected. The location of the monitoring well is shown in Figure 2 (site map). Prior to groundwater sampling, the well was purged by bailing approximately 3 casing volumes of water. Field conductivity, temperature, and pH meters were present on-site during the monitoring well sampling. As the purging process proceeded, the three parameters were monitored. Purging continued until readings appeared to have reasonably



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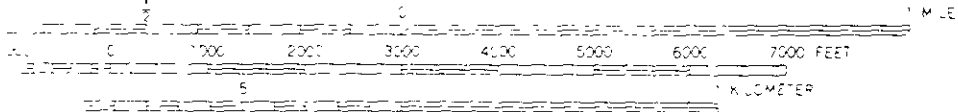


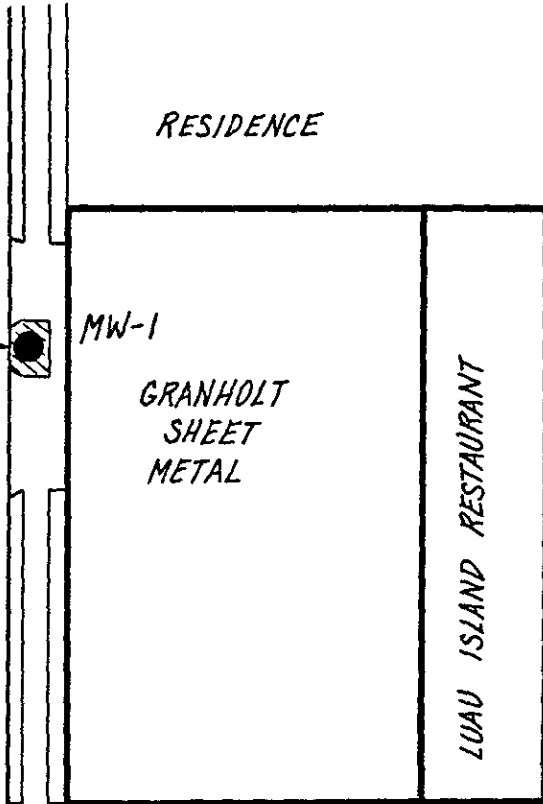
Figure 1.  
Site Location Map.

TIRE CENTER



FORMER  
TANK  
LOCATION

BRIGHTON AVENUE



SAN PABLO AVENUE



FIGURE 2.  
Site Map.

stabilized. After the water level in the well had attained 80% or more of the original static water level, a groundwater sample was collected using a clean teflon bailer. The water sample was placed inside appropriate 40 mL VOA vials free of any headspace. The samples were immediately placed on ice, then transported under chain-of-custody to the laboratory at the end of the work day.

At the time the monitoring well was sampled, the following information was recorded in the field: 1) depth-to-water prior to purging, using an electrical well sounding tape, 2) identification of any floating product, sheen, or odor prior to purging, using a clear teflon bailer, 3) sample pH, 4) sample temperature, and 5) specific conductance of the sample. A copy of the well sampling log is included as Attachment A.

All analyses were conducted by a California State DOHS certified laboratory in accordance with EPA recommended procedures. All groundwater samples were analyzed for Total Petroleum Hydrocarbons as Gasoline, and Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX).

#### Laboratory Results.

Table 1 presents the results of the laboratory analysis for TPH and BTXE of the groundwater samples collected from monitoring well MW-1.

For this round of sampling, dissolved Gasoline was detected in the one shallow groundwater sample at a concentration of 560 ug/L (ppb). In addition, dissolved Benzene, Toluene, Ethylbenzene, and Total Xylenes were detected at concentrations of 8.3 ug/L (ppb), 11 ug/L (ppb), 8.1 ug/L

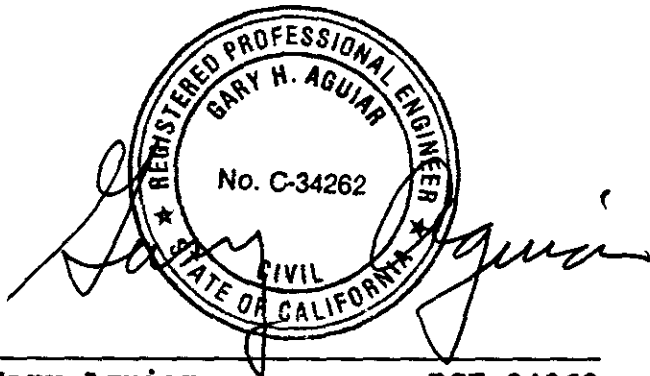
Table 1.

Groundwater Sampling Results

Well	Date	TPH as Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
MW-1	06-12-90	770	3.0	ND	3.0	4.0
	02-01-91	740	92	7.0	2.7	3.2
	06-03-91	ND	ND	ND	ND	ND
	12-17-91	560	8.3	11	8.1	61
Detection Limit		50	0.5	0.5	0.5	0.5

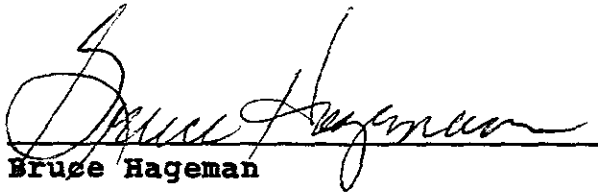
(ppb) and 61 ug/L (ppb), respectively.

A copy of the laboratory certificate for the water sample analyses is included as Attachment B.



Gary Aguiar

RCE 34262



Bruce Hageman

**ATTACHMENT A**

**WELL SAMPLING LOG**

WELL SAMPLING LOG

Project/No. GRANHOLT SHEET METAL Page 1 of 1  
Site Location ALBANY, CA Date 12-17-91  
Well No. MW-1  
Weather FOGGY, 60°F Time Sampling Began 13:05  
Completed 13:50

EVACUATION DATA

Description of Measuring Point (MP) WELL BOX (AT GRADE)  
Total Sounded Depth of Well Below MP 13.34  
Depth to Water Below MP 3.18 Diameter of Casing 2"  
Water Column in Well 10.16  
Gallons in Well 2.0 Gallons Pumped/Bailed  
Prior to Sampling 6  
Evacuation Method TEFLON BAILER

SAMPLING DATA / FIELD PARAMETERS

Color CLEAR Odor NONE  
Appearance NO SHEEN Temperature 15.0 °F (°C)  
Specific Conductance (umhos/cm) 800 pH 8.0  
Sampling Method and Material TEFLON BAILER

FIELD ANALYSES:	Start	Mid	End
Time	<u>13:15</u>	<u>13:28</u>	<u>13:40</u>
Temperature	<u>15.0</u>	<u>15.0</u>	<u>15.0</u>
Conductivity	<u>820</u>	<u>820</u>	<u>800</u>
pH	<u>8.0</u>	<u>8.1</u>	<u>8.0</u>

Sampling Personnel Keith Jay



**ATTACHMENT B**

**ANALYTICAL RESULTS: GROUNDWATER**

# CHROMALAB, INC.

5 DAYS TURNAROUND

Analytical Laboratory (E694)

December 26, 1991

ChromaLab File No.: 1291129

HAGEMAN-AGUIAR, INC.

Attn: Keith Jay

RE: One water sample for Gasoline/BTEX analysis

Project Name: GRANHOLT SHEET METAL

Date Sampled: Dec. 17, 1991

Date Submitted: Dec. 17, 1991

Date Extracted: Dec. 23, 1991

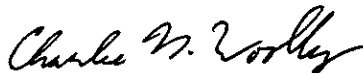
Date Analyzed: Dec. 24, 1991

## RESULTS:

Sample I.D.	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
MW-1	560	8.3	11	8.1	61

BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY	95%	102%	105%	97%	101%
DUP. SPIKE RECOVERY	93%	107%	106%	99%	101%
DETECTION LIMIT	50	0.5	0.5	0.5	0.5
METHOD OF ANALYSIS	5030/8015	602	602	602	602

ChromaLab, Inc.

  
Charles Woolley  
Analytical Chemist

  
Eric Tam  
Laboratory Director

