

# HAGEMAN-AGUIAR, INC.

*Underground Contamination Investigations  
Groundwater Consultants, Environmental Engineering*

3732 Mt. Diablo Blvd. Suite 372  
Lafayette, California 94549  
(415) 284-1661  
FAX (415) 284-1664

91 JUL 16 AM 11: 33

July 2, 1991

## REPORT OF QUARTERLY GROUNDWATER SAMPLING

GRANHOLT SHEET METAL  
501 SAN PABLO AVENUE  
ALBANY, CA

On June 3, 1991, the one on-site monitoring well was sampled for the laboratory analysis for dissolved petroleum constituents. The location of the monitoring well is shown in Figure 1 (site map).

### Monitoring Well Sampling and Laboratory Analysis

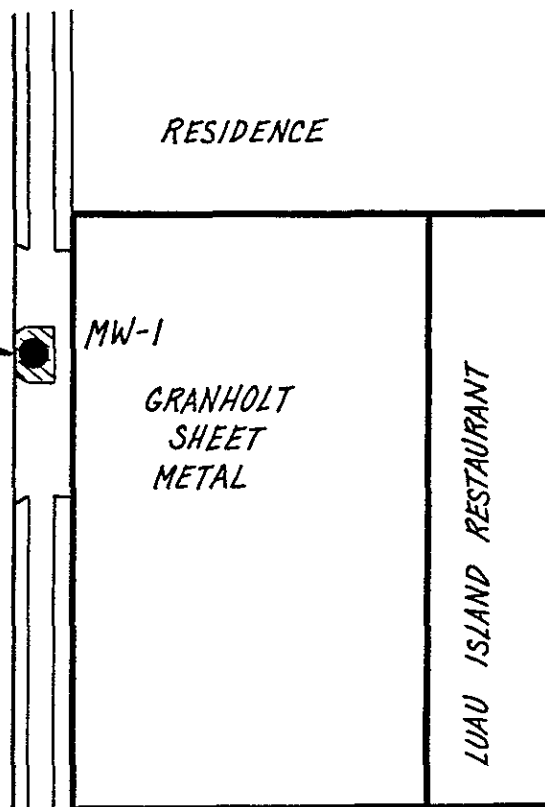
On June 3, 1991, the one on-site well was purged, and groundwater samples were subsequently collected. Prior to groundwater sampling, the well was purged by bailing 3 to 5 casing volumes of water. Field conductivity, temperature, and pH meters were present on-site during the monitoring well sampling. As the purging process proceeded, the three parameters were monitored. Purging continued until readings appeared to have reasonably 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

TIRE CENTER



FORMER  
TANK  
LOCATION

BRIGHTON AVENUE



SAN PABLO AVENUE

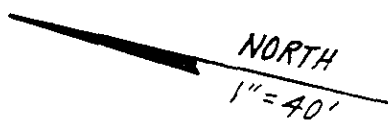


FIGURE 1.  
Site Map.

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. The groundwater sample was analyzed for total petroleum hydrocarbons as Gasoline, and BTXE.

#### Laboratory Results.

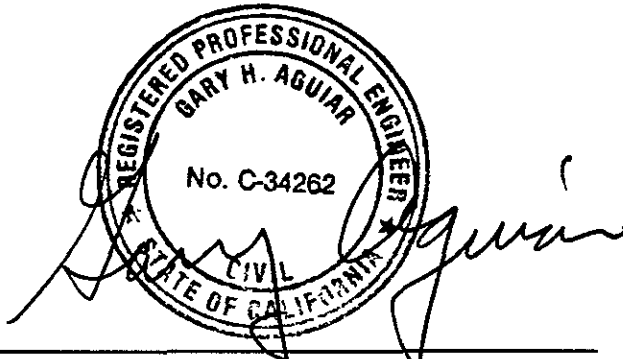
Table 1 presents the results of the laboratory analysis for TPH and BTXE of the groundwater samples collected from monitoring well MW-1. As shown in this table, no detectable concentrations of dissolved Gasoline, Benzene, Toluene, Ethylbenzene, or Total Xylenes were found in the groundwater sample.

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

Table 1.


Groundwater Sampling Results

Well	Date	TPH as Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)
MW-1	12-Jun-90	770	3.0	ND	3.0	4.0
	01-Feb-91	740	92	7.0	2.7	3.2
	03-Jun-91	ND	ND	ND	ND	ND
Detection Limit		50	0.5	0.5	0.5	0.5



Gary Aguiar

RCE 34262

  
Bruce Hageman

**ATTACHMENT A**

**WELL SAMPLING LOG**

WELL SAMPLING LOG

Project/No. GRAUHOLT SHEET METAL Page 1 of 1  
Site Location ALBANY, CA  
Well No. MW-1 Date 6-3-91  
Weather SUNNY, 60°F Time Sampling Began 9:10  
Completed 9:55

EVACUATION DATA

Description of Measuring Point (MP) WELL BOX (AT GRADE)  
Total Sounded Depth of Well Below MP 12.90  
Depth to Water Below MP 3.41 Diameter of Casing 2"  
Water Column in Well 9.49  
Gallons in Well 1.55 Gallons Pumped/Bailed  
Prior to Sampling 6  
Evacuation Method TEFLON BAILER

SAMPLING DATA / FIELD PARAMETERS

Color CLEAR Odor NONE  
Appearance NO SHEEN Temperature 17.5° F (60° C)  
Specific Conductance (umhos/cm) 450 pH 6.89  
Sampling Method and Material TEFLON BAILER

FIELD ANALYSES:	Start	Mid	End
Time	<u>9:15</u>	<u>9:30</u>	<u>9:45</u>
Temperature	<u>18°</u>	<u>17.5°</u>	<u>17.5°</u>
Conductivity	<u>450</u>	<u>440</u>	<u>450</u>
pH	<u>6.80</u>	<u>7.00</u>	<u>6.89</u>

Sampling Personnel Keith Jay

**ATTACHMENT B**

**ANALYTICAL RESULTS: GROUNDWATER**



**CHROMALAB, INC.**

5 DAYS TURNAROUND

Analytical Laboratory (E694)

June 14, 1991

ChromaLab File No.: 0691003

HAGEMAN - AGUIAR, INC.

Attn: Keith Jay

RE: One water sample for Gasoline/BTEX analysis

Project Name: GRANHOLT SHEET METAL

Date Sampled: June 3, 1991

Date Submitted: June 3, 1991


Date Extracted: June 11, 1991

Date Analyzed: June 11, 1991

RESULTS:

Sample No.	Gasoline ( $\mu\text{g/l}$ )	Benzene ( $\mu\text{g/l}$ )	Toluene ( $\mu\text{g/l}$ )	Ethyl Benzene ( $\mu\text{g/l}$ )	Total Xylenes ( $\mu\text{g/l}$ )
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	92.9%	103.8%	105.6%	98.2%	95.4%
DETECTION LIMIT	50	0.5	0.5	0.5	0.5
METHOD OF ANALYSIS	5030/ 8015	602	602	602	602

ChromaLab, Inc.

  
David Duong  
Chief Chemist

  
Eric Tam  
Laboratory Director

