

HAGEMAN-AGUIAR, INC.

*Underground Contamination Investigations
Groundwater Consultants, Environmental Engineering*

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March 18, 1992

REPORT OF QUARTERLY GROUNDWATER SAMPLING

GRANHOLT SHEET METAL
501 SAN PABLO AVENUE
ALBANY, CA

STD 1756

On March 6, 1992, 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 March 6, 1992, 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 6 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



SCALE 1:24 000



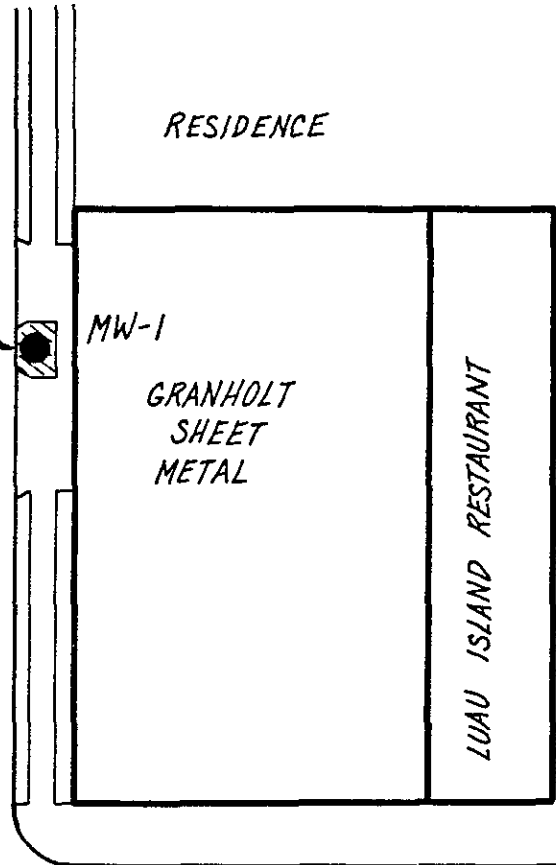
Figure 1.
Site Location Map.

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 700 ug/L (ppb). In addition, dissolved Benzene, Toluene, Ethylbenzene, and Total Xylenes were detected at concentrations of 6.0 $\mu\text{g/L}$ (ppb), 9.9 $\mu\text{g/L}$ (ppb), 22 $\mu\text{g/L}$

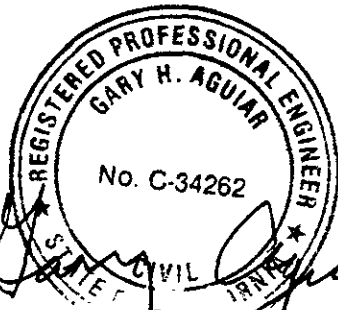
Table 1.

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
	03-06-92	700	6.0	9.9	22	40
Detection Limit		50	0.5	0.5	0.5	0.5

(ppb) and 40 $\mu\text{g/L}$ (ppb), respectively.

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



Gary Aguiar

Gary Aguiar

9-30-95
RCE 34262

Bruce Hageman

Bruce Hageman

ATTACHMENT A

WELL SAMPLING LOG

WELL SAMPLING LOG

Project/No. GRANHOLT SHEET METAL Page 1 of 1
Site Location ALBANY, CA Date 3-6-92
Well No. MW-1 Time Sampling Began 12:48
Weather CLOUDY, 60°F Completed 13:35

EVACUATION DATA

Description of Measuring Point (MP) WELL BOX (AT GRADE)
Total Sounded Depth of Well Below MP 12.26
Depth to Water Below MP 1.08 Diameter of Casing 2"
Water Column in Well 11.18
Gallons in Well 1.8 Gallons Pumped/Bailed Prior to Sampling 15
Evacuation Method TEFLON BAILER

SAMPLING DATA / FIELD PARAMETERS

Color CLEAR Odor NONE
Appearance NO SHEEN Temperature 14.5 of 20
Specific Conductance (umhos/cm) 440 pH 7.0
Sampling Method and Material TEFLON BAILER

FIELD ANALYSES:	Start	Mid	End
Time	<u>13:00</u>	<u>13:10</u>	<u>13:20</u>
Temperature	<u>15.0</u>	<u>14.5</u>	<u>14.5</u>
Conductivity	<u>460</u>	<u>440</u>	<u>440</u>
pH	<u>7.0</u>	<u>7.0</u>	<u>7.0</u>

Sampling Personnel Keith Jay

ATTACHMENT B

ANALYTICAL RESULTS: GROUNDWATER

CHROMALAB, INC.

5 DAYS TURNAROUND

Analytical Laboratory (E694)

March 13, 1992

ChromaLab File No.: 0392067

HAGEMAN-AGUIAR, INC.

Attn: Gary Aguiar

RE: One water sample for Gas/BTEX analysis

Project Name: Granholt Sheet Metal

Project Location: San Pablo Ave., Albany, CA

Date Sampled: Mar. 6, 1992

Date Submitted: Mar. 6, 1992

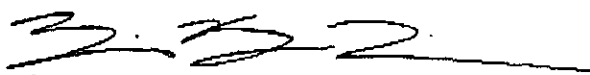
Date Extracted: Mar. 9, 1992


Date Analyzed: Mar. 9, 1992

RESULTS:

Sample I.D.	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	700	6.0	9.9	22	40
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY	117%	97%	105%	93%	103%
DETECTION LIMIT	50	0.5	0.5	0.5	0.5
METHOD OF ANALYSIS	5030/8015	602	602	602	602

ChromaLab, Inc.


Yiu Tam
Analytical Chemist


Eric Tam
Laboratory Director

CHAIN OF CUSTODY RECORD

PROJECT NAME AND ADDRESS GRANHOLT SHEET METAL SAN PABLO AVE ALBANY, CA ATTN: GARY AGUIAR				SAMPLER: (Signature) <i>Keith Jay</i> HAGEMAN - AGUIAR, INC. 3732 Mt. Diablo Blvd., Suite 372 Lafayette, CA 94549 (415)284-1661 (415)284-1664 (FAX)		ANALYSIS REQUESTED <i>TAL-C BIEX</i>				
CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION				REMARKS	
MW-1	3-6-92	13:35		X	MONITOR WELL #1	X	X		NORMAL TAT	
RELINQUISHED BY: (Signature) <i>Keith Jay</i>					DATE 3-6-92 TIME 14:30		RECEIVED BY: (Signature) <i>Gary Cook</i>			DATE 3/6/92 TIME 14:30
RELINQUISHED BY: (Signature)					DATE TIME		RECEIVED BY: (Signature)			DATE TIME
RELINQUISHED BY: (Signature)					DATE TIME		RECEIVED BY: (Signature)			DATE TIME
RELINQUISHED BY: (Signature)					DATE TIME		RECEIVED FOR LABORATORY BY: (Signature)			DATE TIME