HAGEMAN-AGUIAR, INC.
Underground Contamination Investigations, Groundwater Consultants, Environmental Engineering

QUARTERLY
GROUNDWATER SAMPLING REPORT

(sampled November 11, 1994)

RIX INDUSTRIES
6460 Hollis Street
Emeryville, CA

November 30, 1994

3732 Mt. Diablo Blvd. Suite 372 Lafayette, California 94549 (510) 284-1661 FAX (510) 284-1664

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I. INTRODUCTION

The site location is the property at 6460 Hollis Street in Emeryville, California. The location of the site is shown in Figure 1.

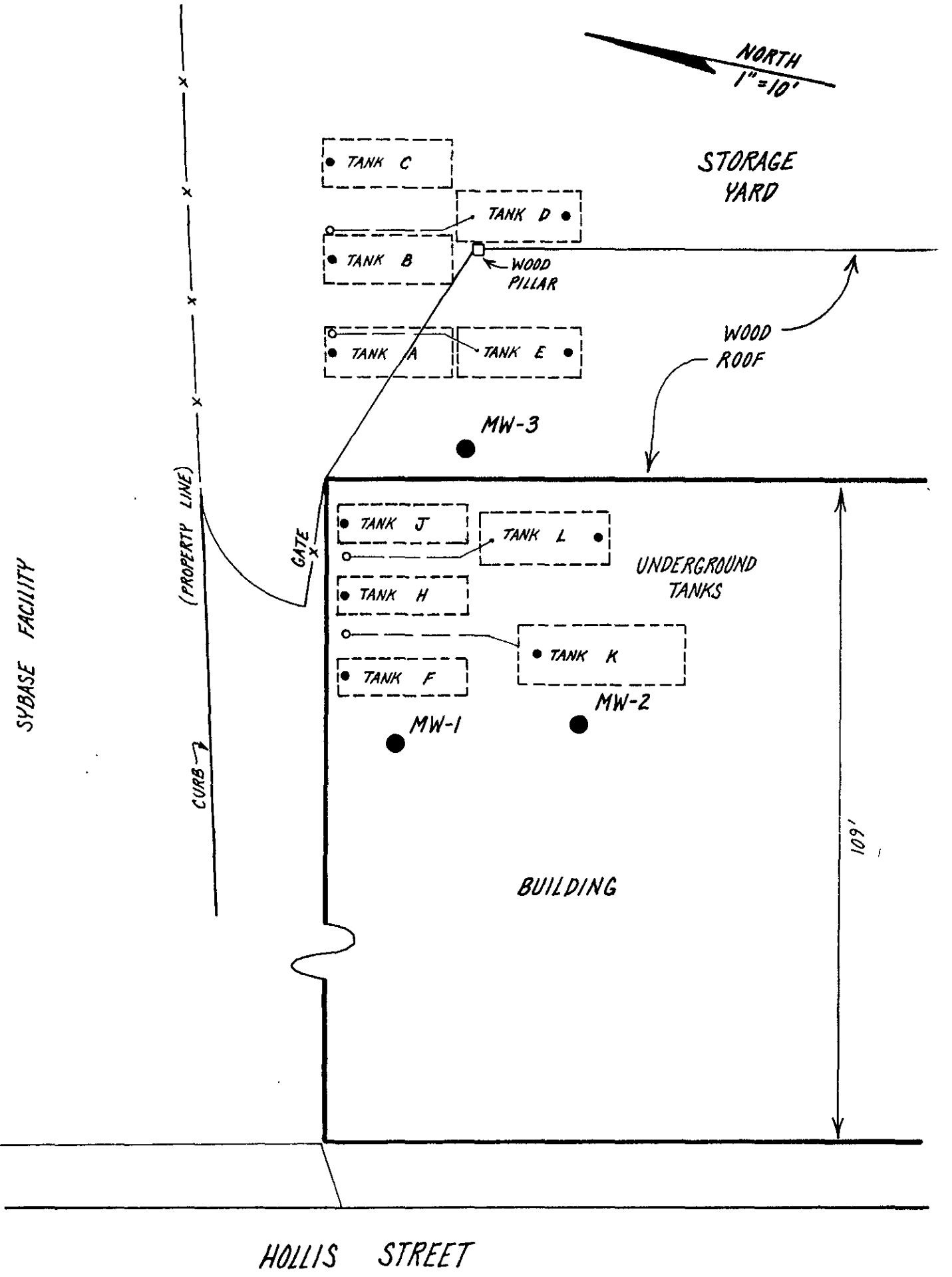
The current occupant a the property, Rix Industries, has been present for more than twenty years. The current Rix Industries operation involves the construction of compressor parts, as well as compressor performance testing. In conjunction with a previous paint formulation plant that occupied the property prior to Rix Industries, ten (10) underground chemical storage tanks have been present for a number of years on the property. Five (5) of the underground tanks are present within the existing Rix Industries fabrication building.

On June 27, 1992, three shallow groundwater monitoring wells were installed on the site (wells MW-1, MW-2 and MW-3) by Hageman-Aguiar, Inc. The locations of the monitoring wells are shown in Figure 2, along with the locations of the ten (10) underground storage tanks. The report of that investigation was issued on July 24, 1992.

On July 30, 1994, the five (5) underground storage tanks inside the facility were closed-in-place under the direction of Hageman-Aguiar, Inc., in accord with Alameda County Department of Environmental Health's tank closure requirements. Prior to being filled with a neat cement slurry, each tank had its contents removed.

On November 11, 1994 all three on-site monitoring wells were sampled for the laboratory analysis for dissolved petroleum constituents, alcohols and ketones, and volatile organic

FIGURE 1.
Site Location Map.


NORTH
1"=10'
STORAGE YARD
TANK C
TANK D
TANK B
WOOD PILLAR
TANK A
TANK E
WOOD ROOF
MW-3
(PROPERTY LINE)
GATE
TANK J
TANK L
UNDERGROUND TANKS
TANK H
TANK K
TANK F
MW-2
MW-1
CURB
SYBASE FACILITY
109'
BUILDING
HOLLIS STREET

compounds. This sampling represents the second "round" of quarterly sampling, following the soil and groundwater investigation (well installations) previously conducted at the site by Hageman-Aguiar in July 1992.

II. FIELD WORK

Monitoring Well Sampling

On November 11, 1994, groundwater samples were collected from each of the three (3) on-site monitoring wells MW-1, MW-2 and MW-3.

Prior to groundwater sampling, each well was purged by bailing approximately 10 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 and 1-liter amber bottles 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 each 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.

Copies of the well sampling logs are included as Attachment A.

Wastewater Generation

All water removed from the wells during development and purging was drummed and stored on-site until the results of laboratory analyses were obtained. Based upon these results, this water should be collected by a licensed waste hauler and transported as a hazardous liquid waste under proper manifest to an appropriate TSD facility for treatment and disposal. The disposal of wastewater is the responsibility of the property owner (waste generator), and is beyond the scope of work as described in this report.

III. RESULTS OF WATER LEVEL MEASUREMENTS

Shallow Groundwater Flow Direction

Shallow water table elevations were measured on November 11, 1994. These measurements are shown in Table 1. Figure 3 presents a contour map for the shallow groundwater table beneath the site. As shown in this figure, the data from these monitoring wells indicate that the shallow groundwater beneath the site flows in the westerly direction.

Shallow Water Table Hydraulic Gradient

Figure 3 presents the contour map for the shallow groundwater table beneath the site. As shown in this figure, the shallow groundwater table beneath the site appears to be relatively flat, with a calculated hydraulic gradient of dH/dL = 1.0'/13.5' ≈ 0.0740.

Historical Water Level Measurements

Table 2 presents the results of all water level measurements collected between July 7, 1992, and the present time.

TABLE 1.

Shallow Water Table Elevations
November 11, 1994

Well	Top of Casing Elevation (feet)	Depth to Water (feet)	Water Table Elevation (feet)
MW-1	100.00	2.08	97.92
MW-2	100.04	1.89	98.15
MW-3	101.99	2.38	99.61

Datum is the top-of-rim on MW-1 well box set at 100.00 feet.

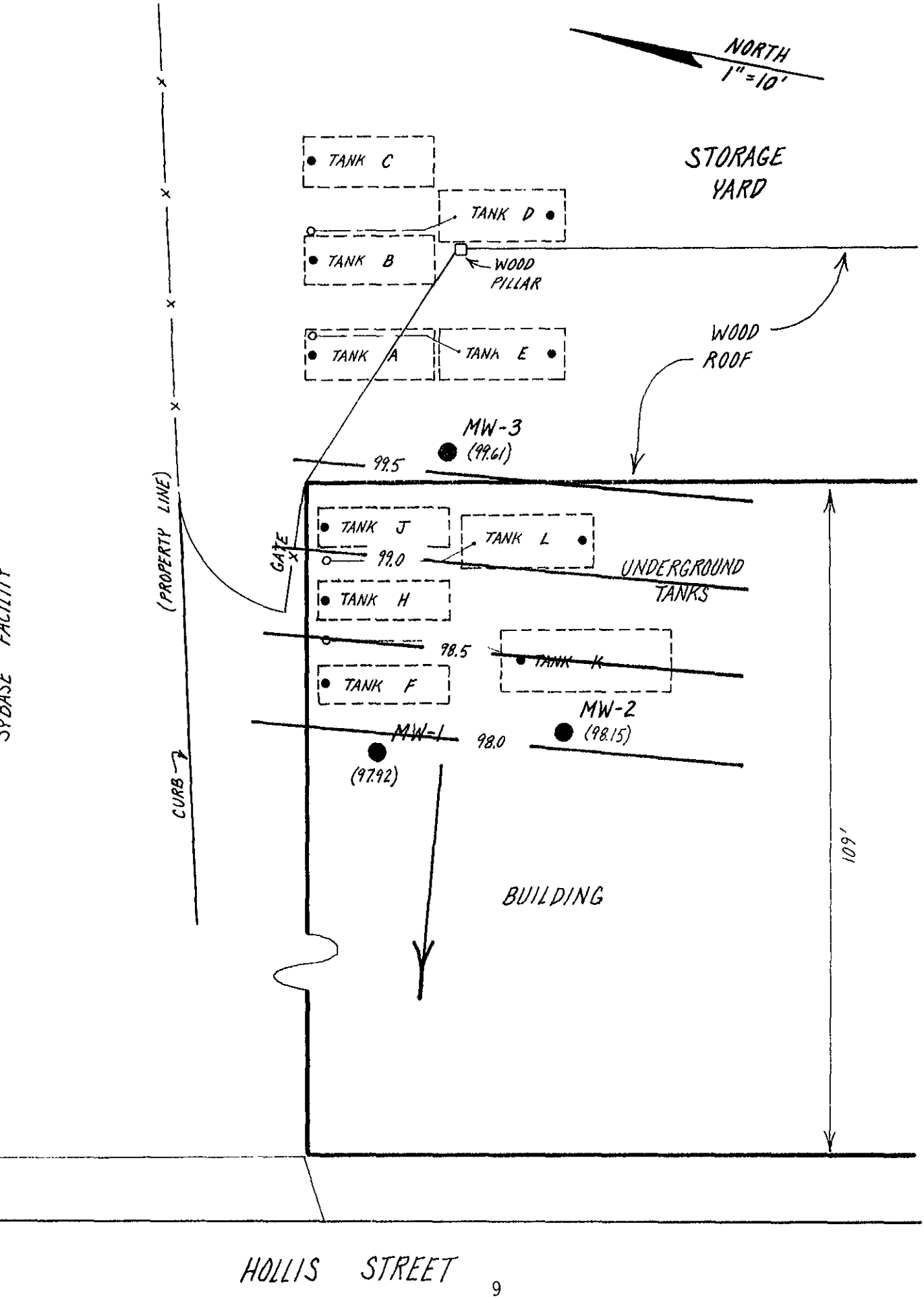

NORTH
1"=10'
STORAGE YARD
TANK C
TANK D
TANK B
WOOD PILLAR
TANK A
TANK E
WOOD ROOF
MW-3
(99.61)
99.5
(PROPERTY LINE)
SYBASE FACILITY
GATE
TANK J
TANK L
99.0
UNDERGROUND TANKS
TANK H
98.5
TANK K
TANK F
MW-2
(98.15)
MW-1
98.0
(97.92)
CURB
109'
BUILDING
HOLLIS STREET

TABLE 2.

Historical Water Table Elevations
(feet)

Well	Date of Measurement								
	7-7-92	8-11-94	11-11-94						
MW-1	96.10	95.87	97.92						
MW-2	96.38	96.08	98.15						
MW-3	97.64	97.65	99.61						
Hydraulic Gradient	0.070	0.080	0.072						
Flow Direction	W	W	W						

IV. SHALLOW GROUNDWATER SAMPLING RESULTS

Laboratory Analysis

All analyses were conducted by a California State DOHS certified laboratory in accordance with EPA recommended procedures (Priority Environmental Lab, Milpitas, CA). All Groundwater samples were analyzed for 1) Total Petroleum Hydrocarbons as Gasoline, Benzene, Toluene, Ethylbenzene, and Total Xylenes; 2) Kerosene, Diesel and Mineral Spirits; 3) Isopropanol, sec-Butanol, Methyl Ethyl Ketone (MEK), Methyl Isobutyl Ketone (MIBK) and Acetone; and, 4) Volatile Organic Compounds.

Results of Laboratory Analysis

Table 3 presents the results of the laboratory analysis of the groundwater samples collected from monitoring wells MW-1, MW-2 and MW-3 for Total Petroleum Hydrocarbons as Gasoline, Benzene, Toluene, Ethylbenzene, Total Xylenes.

Total Petroleum Hydrocarbons as Gasoline were detected in groundwater samples collected from monitoring wells MW-1, MW-2 and MW-3 at concentrations of 440 µg/L (ppb) 810 µg/L (ppb) and 920 µg/L (ppb), respectively. In addition, Toluene, Ethylbenzene and Total Xylenes were detected in the ground-water samples from wells MW-1, MW-2 and MW-3 at concentrations of up to 3.7 µg/L (ppb) 4.3 µg/L (ppb) and 16 µg/L (ppb), respectively.

TABLE 3.

Shallow 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	07-07-92	**680**	**3.8**	ND	**38**	**3.4**
	08-11-94	ND	ND	ND	ND	ND
	11-11-94	**440**	ND	**0.8**	**2.6**	**6.2**
MW-2	07-07-92	**1,400**	ND	**12**	**69**	**530**
	08-11-94	**4,800**	ND	**1.2**	**5.6**	**18**
	11-11-94	**810**	ND	**1.2**	**4.3**	**11**
MW-3	07-07-92	**9,300**	ND	**3,600**	ND	**700**
	08-11-94	**4,300**	ND	**10**	**2.6**	**10**
	11-11-94	**920**	ND	**3.7**	**3.2**	**16**
Detection Limit		50	0.5	0.5	0.5	0.5

ND = Not Detected

Table 4 presents the results of the laboratory analysis of the groundwater samples collected from monitoring wells MW-1, MW-2 and MW-3 for Total Petroleum Hydrocarbons as Kerosene, Diesel and Mineral Spirits.

As shown in Table 4, Total Petroleum Hydrocarbons as Diesel were detected in groundwater samples collected from monitoring wells MW-1 and MW-2 at concentrations of 1,000 µg/L (ppb) and 620 µg/L (ppb), respectively. In addition, Total Petroleum Hydrocarbons as Mineral Spirits were detected in the groundwater samples from wells MW-1 and MW-2 at concentrations of 190 µg/L (ppb) and 160 µg/L (ppb), respectively.

For this round of groundwater sampling, no detectable concentrations of Total Petroleum Hydrocarbons as Kerosene were detected in any of the shallow groundwater samples.

Table 5 presents the results of the laboratory analysis of the groundwater samples collected from monitoring wells MW-1, MW-2 and MW-3 for Acetone, Isopropanol, Methyl Ethyl Ketone, Methyl Isobutyl Ketone and Sec-butanol.

Acetone was detected in groundwater samples collected from monitoring wells MW-1, MW-2 and MW-3 at concentrations of 2,700 µg/L (ppb), 1,100 µg/L (ppb) and 810 µg/L (ppb), respectively.

Isopropanol was detected in groundwater samples collected from monitoring wells MW-1, MW-2 and MW-3 at concentrations of 17,000 µg/L (ppb), 4,600 µg/L (ppb), and 6,700 µg/L (ppb), respectively.

TABLE 4.

Shallow Groundwater Sampling Results

Well	Date	TPH as Kerosene (ug/L)	TPH as Diesel (ug/L)	TPH as Mineral Spirits (ug/L)	Oil & Grease (ug/L)
MW-1	07-07-92	**6,100**	**6,100**	**6,400**	**14**
	08-11-94	**960**	**590**	ND	---
	11-11-94	ND	**1,000**	**190**	---
MW-2	07-07-92	**17,000**	**17,000**	**20,000**	**19**
	08-11-94	**490**	**320**	ND	---
	11-11-94	ND	**620**	**160**	---
MW-3	07-07-92	**20,000**	**20,000**	**21,000**	**28**
	08-11-94	**470**	**310**	ND	---
	11-11-94	ND	ND	ND	---
Detection Limit		50	50	50	50

ND = Not Detected

TABLE 5.
Shallow Groundwater Sampling Results
Alcohols & Ketones

Monitoring Well	Date	Acetone (ug/L)	Iso-Propanol (ug/L)	Methyl Ethyl Ketone (ug/L)	Methyl Isobutyl Ketone (ug/L)	Sec-Butanol (ug/L)
MW-1	07-07-92	ND	ND	ND	ND	ND
	08-11-94	**210**	**9,100**	**230**	**180**	**710**
	11-11-94	**2,700**	**17,000**	**1,500**	**420**	ND
MW-2	07-07-92	ND	ND	ND	ND	ND
	08-11-94	ND	**410**	ND	ND	**90**
	11-11-94	**1,100**	**4,600**	**18,000**	**360**	ND
MW-3	07-07-92	ND	ND	ND	ND	ND
	08-11-94	ND	**9,400**	**370**	**250**	**820**
	11-11-94	**810**	**6,700**	**40,000**	**22,000**	ND
Detection Limit		50 to 400	100 to 1,000	50 to 1,000	50 to 100	50 to 200

ND = Not Detected

Methyl Ethyl Ketone was detected in groundwater samples collected from monitoring wells MW-1, MW-2 and MW-3 at concentrations of 1,500 µg/L (ppb), 18,000 µg/L (ppb) and 40,000 µg/L (ppb), respectively.

Methyl Iso-butyl Ketone was detected in groundwater samples collected from monitoring wells MW-1, MW-2 and MW-3 at concentrations of 420 µg/L (ppb), 360 µg/L (ppb) and 22,000 µg/L (ppb), respectively.

For this round of groundwater sampling, no detectable concentrations of Sec-butanol were detected in groundwater samples collected from monitoring wells MW-1, MW-2 and MW-3.

Copies of the laboratory certificates for these water sample analyses are included as Attachment B.

Table 6 presents the results of the laboratory analysis of the groundwater samples collected from monitoring wells MW-1, MW-2 and MW-3 for Volatile Organic Compounds.

1,1-Dichloroethane was detected in groundwater samples collected from monitoring wells MW-1, MW-2 and MW-3 at concentrations of 33 µg/L (ppb), 17 µg/L (ppb) and 47 µg/L (ppb), respectively.

1,1-Dichloroethene was detected in the groundwater sample collected from monitoring well MW-3 at a concentrations of 29 µg/L (ppb).

cis 1,2-Dichloroethene was detected in the groundwater samples collected from monitoring wells MW-2 and MW-3 at concentrations of 27 µg/L (ppb) and 320 µg/L (ppb), respectively.

trans-1,2-Dichloroethene was detected in groundwater samples collected from monitoring wells MW-2 and MW-3 at concentrations of 18 µg/L (ppb) and 7 µg/L (ppb), respectively.

Tetrachloroethene was detected in groundwater samples collected from monitoring wells MW-2 and MW-3 at concentrations of 34 µg/L (ppb) and 110 µg/L (ppb), respectively.

1,1,1- Trichloroethane was detected in groundwater sample collected from monitoring well MW-3 at a concentration of 12 µg/L (ppb).

Trichloroethene was detected in groundwater samples collected from monitoring wells MW-2 and MW-3 at concentrations of 20 µg/L (ppb) and 290 µg/L (ppb), respectively.

TABLE 6.

Shallow Groundwater Sampling Results
Volatile Organic Compounds

Monitoring Well	Date	EPA Method	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	cis-1,2-Dichloro-ethene (ug/L)	trans-1,2-Dichloro-ethene (ug/L)
MW-1	07-08-92 11-11-94	601 8240	**36** **33**	ND ND	ND ND	ND ND
MW-2	07-08-92 11-11-94	601 8240	**22** **17**	ND ND	**99** **27**	ND **18**
MW-3	07-08-92 11-11-94	601 8240	**30** **47**	ND **29**	**630** **320**	ND **7**
Detection Limit			1.0 to 5.0	1.0 to 5.0	1.0 to 5.0	1.0 to 5.0

ND = Not Detected

TABLE 6. (Continued)

Shallow Groundwater Sampling Results
Volatile Organic Compounds

Monitoring Well	Date	EPA Method	Tetrachloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloroethene (ug/L)	Vinyl Chloride (ug/L)
MW-1	07-08-92 11-11-94	601 8240	ND ND	ND ND	ND ND	ND ND
MW-2	07-08-92 11-11-94	601 8240	**52** **34**	ND ND	**21** **20**	**46** ND
MW-3	07-08-92 11-11-94	601 8240	**2,200** **110**	**81** **12**	**300** **290**	ND **67**
Detection Limit			1.0 to 5.0	1.0 to 5.0	1.0 to 5.0	1.0 to 10

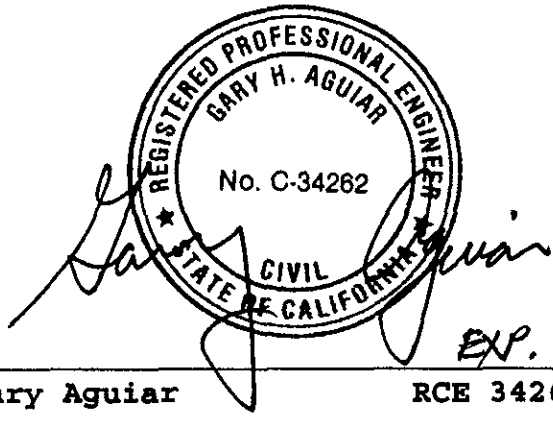
ND = Not Detected

Vinyl Chloride was detected in groundwater sample collected from monitoring well MW-3 at a concentrations of 67 µg/L (ppb).

Copies of the laboratory certificates for these water sample analyses are also included as Attachment B.

QUARTERLY GROUNDWATER SAMPLING REPORT
RIX INDUSTRIES
6460 Hollis Street, Emeryville, California

November 30, 1994



EXP. 9-30-95

Gary Aguiar **RCE 342625**

11-30-94

Gerard F. Aarons **Geologist**

ATTACHMENT A

Well Sampling Logs

WELL SAMPLING LOG

Project/No. RIX INDUSTRIES Page 1 of 3

Site Location EMERYVILLE, CA

Date 11-11-94

Well No. MW 1

Weather PT. CLOUDY / 58°F Time Began 1534 Completed 1600

EVACUATION DATA

Description of Measuring Point (MP) WELL BOX AT GRADE

Total Sounded Depth of Well Below MP 15.02

- Depth to Water Below MP 2.08 Diameter of Casing 2"

= Water Column in Well 12.94

Gallons in Casing 2.1 + Annular Space (30% porosity) (X10) = Total Gallons 21

Gallons Pumped Prior to Sampling 21

Evacuation Method PVC BAILER

SAMPLING DATA / FIELD PARAMETERS

Inspection for Free Product: NONE DETECTED
(thickness to 0.1 inch, if any)

Time	1534	1539	1545	1552
Gals Removed	0	7	14	21
Temperature	17.9	18.1	17.7	18.0
Conductivity	(NOT AVAILABLE)			
pH	7.8	7.7	7.5	7.4
Color / Odor	CLR/HC	GRY/HC	GRY/HC	GRY/HC
Turbidity	LOW	HIGH	HIGH	HIGH

Comments: NONE

WELL SAMPLING LOG

Project/No. RIX INDUSTRIES Page 2 of 3

Site Location EMERYVILLE, CA

Date 11-11-94

Well No. MW 2

Weather PT. CLOUDY / 58°F

Time Began 1637

Completed 1700

EVACUATION DATA

Description of Measuring Point (MP) WELL BOX AT GRADE

Total Sounded Depth of Well Below MP 15.23

- Depth to Water Below MP 1.89

= Water Column in Well 13.34

Diameter of Casing 2"

Gallons in Casing 2.1 + Annular Space (30% porosity) (X10) = Total Gallons 21

Gallons Pumped Prior to Sampling 21

Evacuation Method PVC BAILER

SAMPLING DATA / FIELD PARAMETERS

Inspection for Free Product: NONE DETECTED
(thickness to 0.1 inch, if any)

Time	1637	1641	1647	1653
Gals Removed	0	7	14	21
Temperature	16.6	17.9	18.5	18.2
Conductivity	(NOT AVAILABLE)			
pH	6.6	6.6	6.6	6.7
Color / Odor	CLR/HC	GRY/HC	GRY/HC	GRY/HC
Turbidity	LOW	HIGH	HIGH	HIGH

Comments: NONE

WELL SAMPLING LOG

Project/No. RIX INDUSTRIES Page 3 of 3

Site Location EMERYVILLE, CA

Date 11-11-94

Well No. MW 3

Weather PT. CLOUDY / 58 °F Time Began 1611

Completed 1630

EVACUATION DATA

Description of Measuring Point (MP) WELL BOX AT GRADE

Total Sounded Depth of Well Below MP 17.40

- Depth to Water Below MP 2.38 Diameter of Casing 2"

= Water Column in Well 15.02

Gallons in Casing 2.4 + Annular Space (30% porosity) (X10) = Total Gallons 24

Gallons Pumped Prior to Sampling 24

Evacuation Method PVC BAILER

SAMPLING DATA / FIELD PARAMETERS

Inspection for Free Product: NONE DETECTED
(thickness to 0.1 inch, if any)

Time	1611	1615	1619	1625
Gals Removed	0	8	16	24
Temperature	17.7	18.0	18.3	18.5
Conductivity	(NOT AVAILABLE)			
pH	6.8	6.7	6.7	6.6
Color / Odor	CLR/HC	GRY/HC	GRY/HC	GRY/HC
Turbidity	LOW	HIGH	HIGH	HIGH

Comments: NONE

ATTACHMENT B

ANALYTICAL RESULTS: GROUNDWATER

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

November 17, 1994 PEL # 9411037

HAGEMAN - AGUIAR, INC.

Attn: Jeffrey Roth
Re: Three water samples for Gasoline/BTEX and TEPH analyses.

Project name: RIX Industries
Project location: Hollis St., - Emeryville, CA.

Date sampled: Nov 11, 1994 Date submitted: Nov 14, 1994
Date extracted: Nov 14-17, 1994 Date analyzed: Nov 14-17, 1994

RESULTS:

SAMPLE I.D.	Kerosene (ug/L)	Gasoline (ug/L)	Diesel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)	Mineral Spirits (ug/L)
MW 1	N.D.	440	1000	N.D.	0.8	2.6	6.2	190
MW 2	N.D.	810	620	N.D.	1.2	4.3	11	160
MW 3	N.D.	920	N.D.	N.D.	3.7	3.2	16	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	---	88.5%	103.7%	88.3%	90.2%	91.0%	100.5%	---
Detection limit	50	50	50	0.5	0.5	0.5	0.5	50
Method of Analysis	3510/ 8015	5030 / 8015	3510 / 8015	602	602	602	602	3510 / 8015

David Duong
Laboratory Director

1764 Houret Court Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

November 21, 1994 PEL # 9411037

HAGEMAN - AGUIAR, INC.

Attn: Jeffrey Roth
Re: Three water samples for Acetone, Isopropanol, MEK, MIK, and SEC-Butanol analyses.

Project name: RIX Industries
Project location: Hollis St., - Emeryville, CA.

Date sampled: Nov 11, 1994 Date submitted: Nov 14, 1994
Date extracted: Nov 14-20, 1994 Date analyzed: Nov 14-20, 1994

RESULTS:

SAMPLE I.D.	Acetone (ug/L)	Isopropanol (mg/L)	MEK (mg/L)	MIK (ug/L)	SEC-Butanol (ug/L)
MW 1	2700	17	1.5	420	N.D.
MW 2	1100	4.6	18	360	N.D.
MW 3	810	6.7	40	22000	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection limit	100	1.0	1.0	100	50
Method of Analysis	8015	8015	8015	8015	8015

David Duong
Laboratory Director

1764 Houret Court Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

PEL # 9411037

INV # 25429

CHAIN OF CUSTODY

PROJECT NAME AND ADDRESS:
RX INDUSTRIES
HOLLIS ST.
EMERYVILLE, CA

SAMPLER: (Signature)

HAGEMAN - AGUIAR, INC.
3732 Mt. Diablo Blvd., Suite 372
Lafayette, CA 94549
(415)284-1661 (415)284-1664 (FAX)

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	TPH Gas/BTXE	TPH Diesel, Kerosene Spirits	MEK, MIK, Mineral	Acetone	Isopropanol	Sec-Butanol	REMARKS
MW 1	11-11-94	1600		X	MONITOR WELL #1	X	X	X	X	X	X	(PURGE &
MW 2	11-11-94	1700		X	↓ ↓ #2	X	X	X	X	X	X	TRAP
MW 3	11-11-94	1630		X	#3	X	X	X	X	X	X	METHOD)

RELINQUISHED BY: (Signature)	DATE 11-14-94 TIME 1010	RECEIVED BY: (Signature)	DATE TIME
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 11/14/94 TIME 10:40 AM

HAGEMAN-AGUIAR, INC.

SAMPLE ID: MW1
AEN LAB NO: 9411192-01A
AEN WORK ORDER: 9411192
CLIENT PROJ. ID: RIX INDUSTRIES

DATE SAMPLED: 11/11/94
DATE RECEIVED: 11/14/94
REPORT DATE: 11/22/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
VOCs in Water by 8240	EPA 8240				
Acetone	67-64-1	ND	100	ug/L	11/16/94
Benzene	71-43-2	ND	5	ug/L	11/16/94
Bromodichloromethane	75-27-4	ND	5	ug/L	11/16/94
Bromoform	75-25-2	ND	5	ug/L	11/16/94
Bromomethane	74-83-9	ND	10	ug/L	11/16/94
2-Butanone	78-93-3	ND	100	ug/L	11/16/94
Carbon Disulfide	75-15-0	ND	10	ug/L	11/16/94
Carbon Tetrachloride	56-23-5	ND	5	ug/L	11/16/94
Chlorobenzene	108-90-7	ND	5	ug/L	11/16/94
Chloroethane	75-00-3	ND	10	ug/L	11/16/94
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/L	11/16/94
Chloroform	67-66-3	ND	5	ug/L	11/16/94
Chloromethane	74-87-3	ND	10	ug/L	11/16/94
Dibromochloromethane	124-48-1	ND	5	ug/L	11/16/94
1,1-Dichloroethane	75-34-3	33 *	5	ug/L	11/16/94
1,2-Dichloroethane	107-06-2	ND	5	ug/L	11/16/94
1,1-Dichloroethene	75-35-4	ND	5	ug/L	11/16/94
cis-1,2-Dichloroethene	156-59-2	ND	5	ug/L	11/16/94
trans-1,2-Dichloroethene	156-60-5	ND	5	ug/L	11/16/94
1,2-Dichloropropane	78-87-5	ND	5	ug/L	11/16/94
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/L	11/16/94
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/L	11/16/94
Ethylbenzene	100-41-4	8 *	5	ug/L	11/16/94
2-Hexanone	591-78-6	ND	50	ug/L	11/16/94
Methylene Chloride	75-09-2	ND	5	ug/L	11/16/94
4-Methyl-2-pentanone	108-10-1	ND	50	ug/L	11/16/94
Styrene	100-42-5	ND	5	ug/L	11/16/94
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/L	11/16/94
Tetrachloroethene	127-18-4	ND	5	ug/L	11/16/94
Toluene	108-88-3	ND	5	ug/L	11/16/94
1,1,1-Trichloroethane	71-55-6	ND	5	ug/L	11/16/94
1,1,2-Trichloroethane	79-00-5	ND	5	ug/L	11/16/94
Trichloroethene	79-01-6	ND	5	ug/L	11/16/94
Vinyl Acetate	108-05-4	ND	50	ug/L	11/16/94
Vinyl Chloride	75-01-4	ND	10	ug/L	11/16/94
Xylenes, Total	1330-20-7	16 *	10	ug/L	11/16/94

ND = Not detected at or above the reporting limit
* = Value above reporting limit

HAGEMAN-AGUIAR, INC.

SAMPLE ID: MW2
AEN LAB NO: 9411192-02A
AEN WORK ORDER: 9411192
CLIENT PROJ. ID: RIX INDUSTRIES

DATE SAMPLED: 11/11/94
DATE RECEIVED: 11/14/94
REPORT DATE: 11/22/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
VOCs in Water by 8240	EPA 8240				
Acetone	67-64-1	ND	100	ug/L	11/16/94
Benzene	71-43-2	ND	5	ug/L	11/16/94
Bromodichloromethane	75-27-4	ND	5	ug/L	11/16/94
Bromoform	75-25-2	ND	5	ug/L	11/16/94
Bromomethane	74-83-9	ND	10	ug/L	11/16/94
2-Butanone	78-93-3	ND	100	ug/L	11/16/94
Carbon Disulfide	75-15-0	ND	10	ug/L	11/16/94
Carbon Tetrachloride	56-23-5	ND	5	ug/L	11/16/94
Chlorobenzene	108-90-7	ND	5	ug/L	11/16/94
Chloroethane	75-00-3	ND	10	ug/L	11/16/94
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/L	11/16/94
Chloroform	67-66-3	ND	5	ug/L	11/16/94
Chloromethane	74-87-3	ND	10	ug/L	11/16/94
Dibromochloromethane	124-48-1	ND	5	ug/L	11/16/94
1,1-Dichloroethane	75-34-3	17 *	5	ug/L	11/16/94
1,2-Dichloroethane	107-06-2	ND	5	ug/L	11/16/94
1,1-Dichloroethene	75-35-4	ND	5	ug/L	11/16/94
cis-1,2-Dichloroethene	156-59-2	27 *	5	ug/L	11/16/94
trans-1,2-Dichloroethene	156-60-5	18 *	5	ug/L	11/16/94
1,2-Dichloropropane	78-87-5	ND	5	ug/L	11/16/94
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/L	11/16/94
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/L	11/16/94
Ethylbenzene	100-41-4	120 *	5	ug/L	11/16/94
2-Hexanone	591-78-6	ND	50	ug/L	11/16/94
Methylene Chloride	75-09-2	ND	5	ug/L	11/16/94
4-Methyl-2-pentanone	108-10-1	ND	50	ug/L	11/16/94
Styrene	100-42 5	ND	5	ug/L	11/16/94
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/L	11/16/94
Tetrachloroethene	127-18-4	34 *	5	ug/L	11/16/94
Toluene	108-88-3	6 *	5	ug/L	11/16/94
1,1,1-Trichloroethane	71-55-6	ND	5	ug/L	11/16/94
1,1,2-Trichloroethane	79-00-5	ND	5	ug/L	11/16/94
Trichloroethene	79-01-6	20 *	5	ug/L	11/16/94
Vinyl Acetate	108-05-4	ND	50	ug/L	11/16/94
Vinyl Chloride	75-01-4	ND	10	ug/L	11/16/94
Xylenes, Total	1330-20-7	610 *	10	ug/L	11/21/94

ND = Not detected at or above the reporting limit
* = Value above reporting limit

HAGEMAN-AGUIAR, INC.

SAMPLE ID: MW3
AEN LAB NO: 9411192-03A
AEN WORK ORDER: 9411192
CLIENT PROJ. ID: RIX INDUSTRIES

DATE SAMPLED: 11/11/94
DATE RECEIVED: 11/14/94
REPORT DATE: 11/22/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
VOCs in Water by 8240	EPA 8240				
Acetone	67-64-1	ND	100	ug/L	11/16/94
Benzene	71-43-2	ND	5	ug/L	11/16/94
Bromodichloromethane	75-27-4	ND	5	ug/L	11/16/94
Bromoform	75-25-2	ND	5	ug/L	11/16/94
Bromomethane	74-83-9	ND	10	ug/L	11/16/94
2-Butanone	78-93-3	ND	100	ug/L	11/16/94
Carbon Disulfide	75-15-0	ND	10	ug/L	11/16/94
Carbon Tetrachloride	56-23-5	ND	5	ug/L	11/16/94
Chlorobenzene	108-90-7	ND	5	ug/L	11/16/94
Chloroethane	75-00-3	ND	10	ug/L	11/16/94
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/L	11/16/94
Chloroform	67-66 3	ND	5	ug/L	11/16/94
Chloromethane	74-87-3	ND	10	ug/L	11/16/94
Dibromochloromethane	124-48-1	ND	5	ug/L	11/16/94
1,1-Dichloroethane	75-34-3	47 *	5	ug/L	11/16/94
1,2-Dichloroethane	107-06-2	ND	5	ug/L	11/16/94
1,1-Dichloroethene	75-35-4	29 *	5	ug/L	11/16/94
cis-1,2-Dichloroethene	156-59-2	320 *	5	ug/L	11/21/94
trans-1,2-Dichloroethene	156-60-5	7 *	5	ug/L	11/16/94
1,2-Dichloropropane	78-87-5	ND	5	ug/L	11/16/94
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/L	11/16/94
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/L	11/16/94
Ethylbenzene	100-41-4	26 *	5	ug/L	11/16/94
2-Hexanone	591-78-6	ND	50	ug/L	11/16/94
Methylene Chloride	75-09-2	ND	5	ug/L	11/16/94
4-Methyl-2-pentanone	108-10-1	ND	50	ug/L	11/16/94
Styrene	100-42-5	ND	5	ug/L	11/16/94
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/L	11/16/94
Tetrachloroethene	127-18-4	110 *	5	ug/L	11/21/94
Toluene	108-88-3	440 *	5	ug/L	11/16/94
1,1,1-Trichloroethane	71-55-6	12 *	5	ug/L	11/16/94
1,1,2-Trichloroethane	79-00-5	ND	5	ug/L	11/16/94
Trichloroethene	79-01-6	290 *	5	ug/L	11/21/94
Vinyl Acetate	108-05-4	ND	50	ug/L	11/16/94
Vinyl Chloride	75-01-4	67 *	10	ug/L	11/16/94
Xylenes, Total	1330-20-7	190 *	10	ug/L	11/16/94

ND = Not detected at or above the reporting limit
* = Value above reporting limit

CHAIN OF CUSTODY RECORD

9411192

PROJECT NAME AND ADDRESS:
Rix Industries
Hollis St.
Emeryville, CA

SAMPLER: (Signature)

HAGEMAN - AGUIAR, INC.
3732 Mt. Diablo Blvd., Suite 372
Lafayette, CA 94549
(415)284-1661 (415)284-1664 (FAX)

ANALYSIS REQUESTED: 8240

	CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION		REMARKS
01AB	MW 1	11-11-94	1600		X	Monitor Well # 1	X	Norm TAT
02AB	MW 2	11-11-94	1700		X	# 2	X	
03AB	MW 3	11-11-94	1630		X	# 3	X	

RELINQUISHED BY: (Signature)
DATE 11-14-94 TIME 1355
RECEIVED BY: (Signature)
DATE TIME

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)
Denise Harrington
DATE 11/14/94 TIME 1355