Chevron U.S.A. Inc.
2410 Camino Ramon, San Ramon, California • Phone (415) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

Marketing Operations

D. Moller
Manager, Operations
S. L. Patterson
Area Manager, Operations
C. G. Trimbach
Manager, Engineering

June 1, 1989

Regional Water Quality Control Board
San Francisco Bay Region
Attn: Mr. Don Dalke
111 Jackson St. - Rm. 6040
Oakland, California 94607

Re: Chevron Former Station #1153
3126 Fernside Blvd./High St.
Alameda, California

In September of 1987 an investigative report and risk assessment conducted by EA Engineering Science and Technology, Inc. for the above referenced site was forwarded to your office. The conclusions of the report suggested that the moderate levels of hydrocarbons present were not a threat to human health and as such Chevron proposed to monitor the ground water on a semiannual basis to confirm the natural degradation of contaminates.

Unfortunately, just recently we discovered that the proposed monitoring work "fell through a crack" and has not been done. In early May, Gettler-Ryan Inc. was dispatched to sample the wells. Enclosed is a copy of their report.

Based on the results of this monitoring and the current petroleum hydrocarbon clean-up guidelines, we have contracted with EA Eng. to reevaluate their August 1987 Risk Assessment and make recommendations on appropriate future actions. We will forward a copy of their report to your office.

If you have any questions please contact John Randall on 842-9625.

I declare under penalty of perjury that the information contained in the attached report is true and correct, and that any recommended actions are appropriate under the circumstances, to the best of may knowledge.

Very truly yours,

C.G. TRIMBACH

JMR:bec:q866

cc: EA Engineering
41 Lafayette Circle
Lafayette, CA 94549
Attn: Mo Singh

Alameda County Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621
Attn: Rafat Shahid

6/7 AL

May 23, 1989

MAY 26 '89 H.C.H.

GROUNDWATER SAMPLING REPORT

Chevron U.S.A. Inc.
Post Office Box 5004
San Ramon, California 94583-0804

Referenced Site: Former Chevron Service #1153
3126 Fernside Blvd/High St.
Alameda, California

Sampling Date: May 3, 1989

This report presents the results of the groundwater sampling and analytical program conducted by Gettler-Ryan Inc. on May 3, 1989 at the referenced location. The site, located on the northwest corner of Fernside Boulevard and High Street, is no longer an operating service station. The former station had underground storage tanks which contained petroleum products.

There are currently three monitoring wells on site at the locations shown on the attached site map. Prior to sampling, wells C-1 and C-3 were inspected for total well depth, water levels, and presence of separate phase product using an electronic interface probe. Well C-2 could not be located. A clean acrylic bailer was used to visually confirm the presence and thickness of separate phase product. Groundwater depths ranged from 4.15 feet to 4.46 feet below grade. Separate phase product was not observed in any monitoring wells.

The wells were then purged and sampled. Standard sampling procedure calls for a minimum of four case volumes to be purged from each well. Each well was purged while pH, temperature, and conductivity measurements were monitored for stability. The purge water was contained in a drums for proper disposal. Details of the final well purging results are presented on the attached Table of Monitoring Data.

Samples were collected, using Teflon bladder pumps, in properly cleaned and laboratory prepared containers. The samples were labeled, stored on blue ice, and transported to the laboratory for analysis. A field blank (CF-3) and trip blank, supplied by the laboratory, were included and analyzed to assess quality control. Analytical results for the blanks are included in the Certified Analytical Report (CAR's). Chain of custody records were established noting sample identification numbers, time, date, and custody signatures.

1992 national avenue • hayward, california 94545-1787 • (415) 783-7500

The samples were analyzed at International Technology Corporation - Santa Clara Valley Laboratory located at 2055 Junction Avenue, San Jose, California. The laboratory is assigned a California DHS-HMTL Certification number of 137. The results are presented as a Certified Analytical Report, a copy of which is attached to this report.

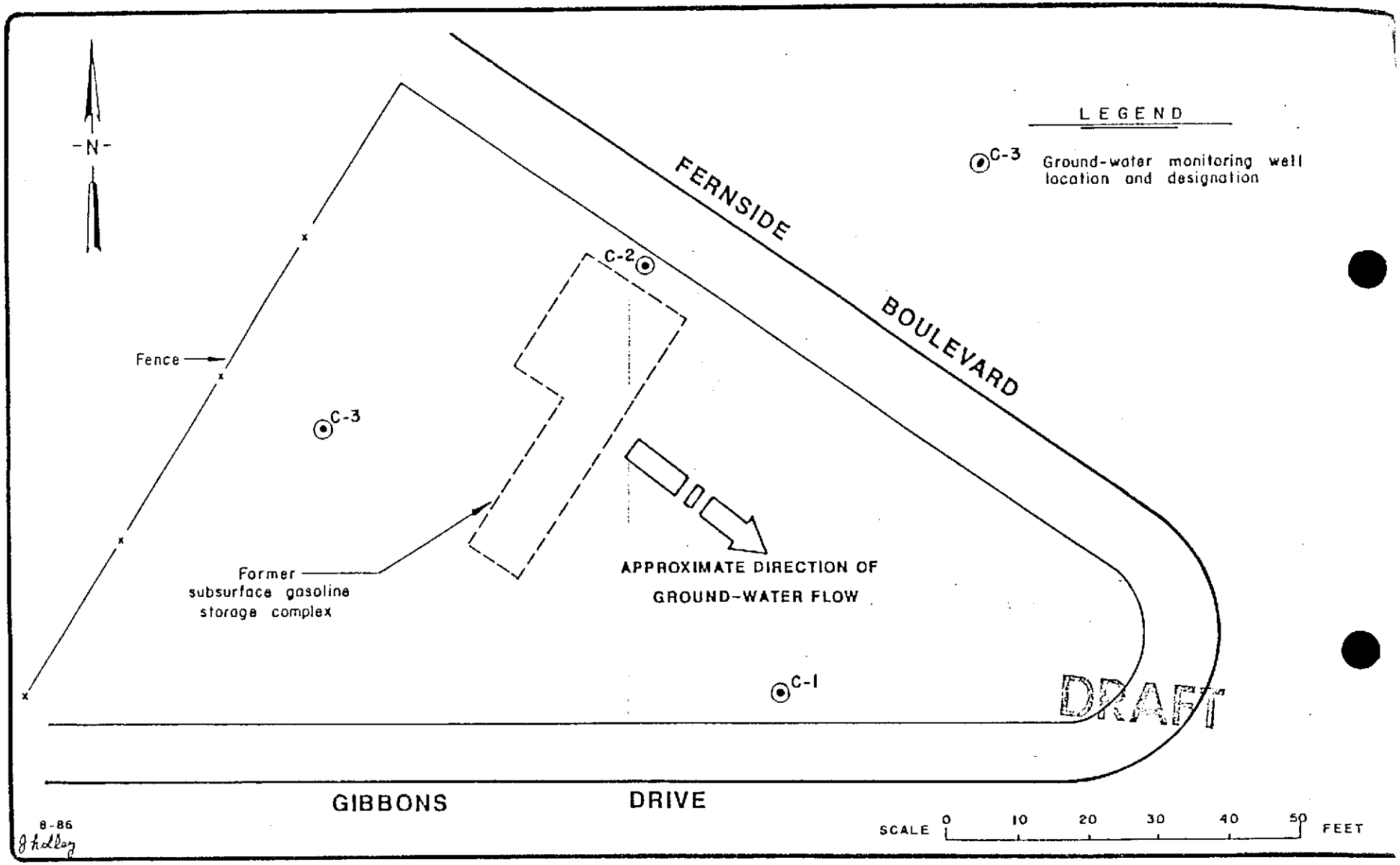
Tom Paulson
Sampling Manager

attachments

TABLE OF MONITORING DATA
GROUNDWATER WELL SAMPLING REPORT

WELL I.D.	C-1	C-2	C-3
Casing Diameter (inches)	3	----	3
Total Well Depth (feet)	20.0	----	21.1
Depth to Water (feet)	4.46	----	4.15
Free Product (feet)	none	----	none
Reason Not Sampled	----	well buried	----
Calculated 4 Case Vol.(gal.)	32.8	----	36.0
Did Well Dewater?	no	----	no
Volume Evacuated (gal.)	41	----	45
Purging Device	Bladder	----	Bladder
Sampling Device	Bladder	----	Bladder
Time	16:32	----	15:29
Temperature (F)*	66.7	----	64.9
pH*	6.66	----	6.75
Conductivity (umhos/cm)*	1040	----	1011

* Indicates Stabilized Value



EMCON Associates

GETTLER-RYAN INC.
SUBSURFACE HYDROGEOLOGIC INVESTIGATION
FORMER CHEVRON SERVICE STATION, FERNSIDE BLVD. & GIBBONS DR.
ALAMEDA, CALIFORNIA

MONITORING WELL LOCATION MAP 131

FIGURE 1

PROJECT NO. 800-75.01

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

Gettler-Ryan
1992 National Avenue
Hayward, CA 94545
ATTN: Jerry Mitchell

Date: May 17, 1989

Work Order Number: S9-Ø5-Ø46

P.O. Number: 3131

This is the Certificate of Analysis for the following samples:

Client Project ID:	GR #3131, Chevron, 3126 Fernside Blvd./ High St., Alameda, CA
Date Received by Lab:	5/4/89
Number of Samples:	4
Sample Type:	Water

The method of analysis for low boiling hydrocarbons is taken from EPA Methods 8Ø15, 8Ø2Ø and 5Ø3Ø. The sample is examined using the purge and trap technique. Final detection is by gas chromatography using a flame ionization detector as well as a photoionization detector. The result for total low boiling hydrocarbons is calculated as gasoline and includes benzene, toluene, ethyl benzene and xylenes.

Reviewed and Approved

David A. Fichette
Project Manager

DAP/jd
1 Page Following - Table of Results

Date: May 17, 1989
Client Project ID: GR #3131, Chevron
3126 Fernside Blvd./High St., Alameda, CA

IT ANALYTICAL SERVICES
SAN JOSE, CA

Work Order Number:
S9-Ø5-Ø46

Lab Sample ID	Client Sample ID	Sample Date	Date Analysis Completed	Sample Condition on Receipt
S9-Ø5-Ø46-Ø1	C-1	5/Ø3/89	5/1Ø/89	Cool, pH ≤2
S9-Ø5-Ø46-Ø2	C-3	5/Ø3/89	5/1Ø/89	Cool, pH ≤2
S9-Ø5-Ø46-Ø3	CF-3	5/Ø3/89	5/1Ø/89	Cool, pH ≤2
S9-Ø5-Ø46-Ø4	Trip Blank	5/Ø3/89	5/1Ø/89	Cool, pH ≤2

Total Petroleum Hydrocarbons - Modified E.P.A. Methods 8Ø15, 8Ø2Ø

ND = None Detected

Results - Micrograms per Liter

Lab Sample ID	Client Sample ID	Low Boiling Hydrocarbons (calculated as Gasoline)	Benzene	Toluene	Ethyl Benzene	Xylenes (total)
S9-Ø5-Ø46-Ø1	C-1	6,9ØØ.	3,8ØØ.	19Ø.	99.	13Ø.
Detection Limit		5,ØØØ.	5Ø.	2.	2.	8.
S9-Ø5-Ø46-Ø2	C-3	ND	ND	ND	ND	ND
S9-Ø5-Ø46-Ø3	CF-3	ND	ND	ND	ND	ND
S9-Ø5-Ø46-Ø4	Trip Blank	ND	ND	ND	ND	ND
Detection Limit		5Ø.	Ø.5	1.	1.	3.

682-1-89

Geffler - Ryan Inc. 59-05-046 ENVIRONMENTAL DIVISION **Chain of Custody**

COMPANY Chevron USA Inc SS# 0153 JOB NO. [redacted]2

JOB LOCATION 3126 Fernside Blvd / High St

CITY Alameda, CA PHONE NO. (415) 783-7500

AUTHORIZED Jerry Mitchell DATE 5/3/89 P.O. NO. 3131

SAMPLE ID	NO. OF CONTAINERS	SAMPLE MATRIX	DATE/TIME SAMPLED	ANALYSIS REQUIRED	SAMPLE CONDITION LAB ID
01 C-1	3	Liquid	5/3/89/16:32	THC (Gas) BTXE	Cool/OK
02 C-3	↓	↓	/15:29	↓	↓
03 CF-3	↓	↓	/15:29	↓	↓
04 tripblank	2	↓	~~5-2-89~~ / 5-2-89	↓	↓

RELINQUISHED BY: Guadalupe R Sanchez 5/4/89 7:35 AM RECEIVED BY: [illegible] 5/4/89 0735

RELINQUISHED BY: [illegible] 5/4/89 1630 RECEIVED BY: [illegible] 5/4/89 16:31

RELINQUISHED BY: [illegible] 5/4/89 ~~1631~~ RECEIVED BY LAB: [illegible] 5/4/89 20:08

DESIGNATED LABORATORY: IT SCV DHS #: 137

REMARKS: Normal TAT Results due 5/18/89

DATE COMPLETED 5/3/89 ~~FOREMAN~~ Sampler Guadalupe Sanchez

ORIGINAL

Chevron U.S.A. Marketing Facilities
RWQCB Quarterly Summary
2nd quarter 1989

Date: 07/14/89

7/20/89

County: ALAMEDA
Engineer: JM RANDALL

Chevron facility # 91153 3126 FERNSIDE BLVD
ALAMEDA , CA

Investigation status

Soil status:	IN PROGRESS
Free hydrocarbon status:	IN PROGRESS
Dissolved hydrocarbon status:	IN PROGRESS
Investigation released:	
Next consultant report due:	*
Latest consultant report received:	05/26/89
Last report submitted to agency:	06/06/89
Investigation complete:	

Remediation status

Soil status:	
Free hydrocarbon status:	
Dissolved hydrocarbon status:	
Type of recovery system:	
Remedial action plan due from consultant:	*
Construction of clean-up system started:	
Clean-up system start-up:	

Groundwater monitoring

Monitoring frequency:	
Next report due from consultant:	*
Latest report received from consultant:	
Last report submitted to agency:	

Next action: EA INSTALLING SHALLOW WELL POINTS TO COLLECT WATER AND SOIL SAMPL

* Due date is the date the report is scheduled to be received at Chevron's office. Chevron will take a reasonable amount of time for internal review before a copy of the report will be forwarded to the Regional Board offices.

report name: ERPTQUAL

Chevron U.S.A. Marketing Facilities
RWQCB Quarterly Summary
1st quarter 1989

Date: 04/14/8

County: ALAMEDA
Engineer: M.R.BROWN

Chevron facility # 91153 3126 FERNSIDE BLVD
ALAMEDA , CA

Investigation status

Soil status: . . . . . .IN PROGRESS
Free hydrocarbon status: . . . . . .IN PROGRESS
Dissolved hydrocarbon status: . . . . . .IN PROGRESS
Investigation released: 06/15/87
Next consultant report due: . . . . . *
Latest consultant report received: . . . .
Last report submitted to agency: . . . . .
Investigation complete: . . . . . .

Remediation status

Soil status: . . . . . .
Free hydrocarbon status: . . . . . .
Dissolved hydrocarbon status: . . . . . .
Type of recovery system: . . . . . .
Remedial action plan due from consultant: *
Construction of clean-up system started:
Clean-up system start-up: . . . . . .

Groundwater monitoring

Monitoring frequency: . . . . . .SEMI-ANNUL
Next report due from consultant: . . . . .09/01/89 *
Latest report received from consultant:. .
Last report submitted to agency: . . . . .

Next action: SEMI ANNUALLY MONITORED FOR FREE PRODUCT ONLY. NO FORMAL REPORT

* Due date is the date the report is scheduled to be received at Chevron's office. Chevron will take a reasonable amount of time for internal review before a copy of the report will be forwarded to the Regional Board offices.

report name: ERPTQUAL

5/3/89

gettler — ryan inc.
general contractors

MAY 26 '89 H.C.H

May 25, 1989

Chevron U.S.A. Inc.
Post Office Box 5004
San Ramon, California 94583-0804

Attention: Mr. John Randall

Reference: Chevron Service Station #1153
3126 Fernside Blvd./High St.
Alameda, California

Gentlemen:

Enclosed is the Gettler-Ryan Inc. report, dated May 23, 1989, presenting the analytical results of the groundwater sampling that took place on May 3, 1989, at the referenced location. Note that groundwater monitoring well C-2 was not sampled because it was inaccessible. Also enclosed, per your request, is the transmittal letter for this Gettler-Ryan Inc. report.

The summarized analyses for May 3, 1989 are tabulated below for your reference.

	C-1	C-3
LOW-BOILING HYDROCARBONS	6,900.	nd
BENZENE	3,800.	nd
TOLUENE	190.	nd
ETHYL BENZENE	99.	nd
XYLENES	130.	nd

nd = none detected

Results recorded in micrograms per liter

Should you have any questions or comments, please do not hesitate to contact our office.

Jerry W. Mitchell

JWM/elm

enclosure

gettler — ryan inc.

May 23, 1989 MAY 26 '89 H.C.H.

GROUNDWATER SAMPLING REPORT

Chevron U.S.A. Inc.
Post Office Box 5004
San Ramon, California 94583-0804

Referenced Site: Former Chevron Service #1153
3126 Fernside Blvd/High St.
Alameda, California

Sampling Date: May 3, 1989

This report presents the results of the groundwater sampling and analytical program conducted by Gettler-Ryan Inc. on May 3, 1989 at the referenced location. The site, located on the northwest corner of Fernside Boulevard and High Street, is no longer an operating service station. The former station had underground storage tanks which contained petroleum products.

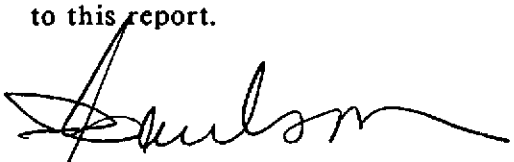
There are currently three monitoring wells on site at the locations shown on the attached site map. Prior to sampling, wells C-1 and C-3 were inspected for total well depth, water levels, and presence of separate phase product using an electronic interface probe. Well C-2 could not be located. A clean acrylic bailer was used to visually confirm the presence and thickness of separate phase product. Groundwater depths ranged from 4.15 feet to 4.46 feet below grade. Separate phase product was not observed in any monitoring wells.

The wells were then purged and sampled. Standard sampling procedure calls for a minimum of four case volumes to be purged from each well. Each well was purged while pH, temperature, and conductivity measurements were monitored for stability. The purge water was contained in a drums for proper disposal. Details of the final well purging results are presented on the attached Table of Monitoring Data.

Samples were collected, using Teflon bladder pumps, in properly cleaned and laboratory prepared containers. The samples were labeled, stored on blue ice, and transported to the laboratory for analysis. A field blank (CF-3) and trip blank, supplied by the laboratory, were included and analyzed to assess quality control. Analytical results for the blanks are included in the Certified Analytical Report (CAR's). Chain of custody records were established noting sample identification numbers, time, date, and custody signatures.

1992 national avenue • hayward, california 94545-1787 • (415) 783-7500

The samples were analyzed at International Technology Corporation - Santa Clara Valley Laboratory located at 2055 Junction Avenue, San Jose, California. The laboratory is assigned a California DHS-HMTL Certification number of 137. The results are presented as a Certified Analytical Report, a copy of which is attached to this report.



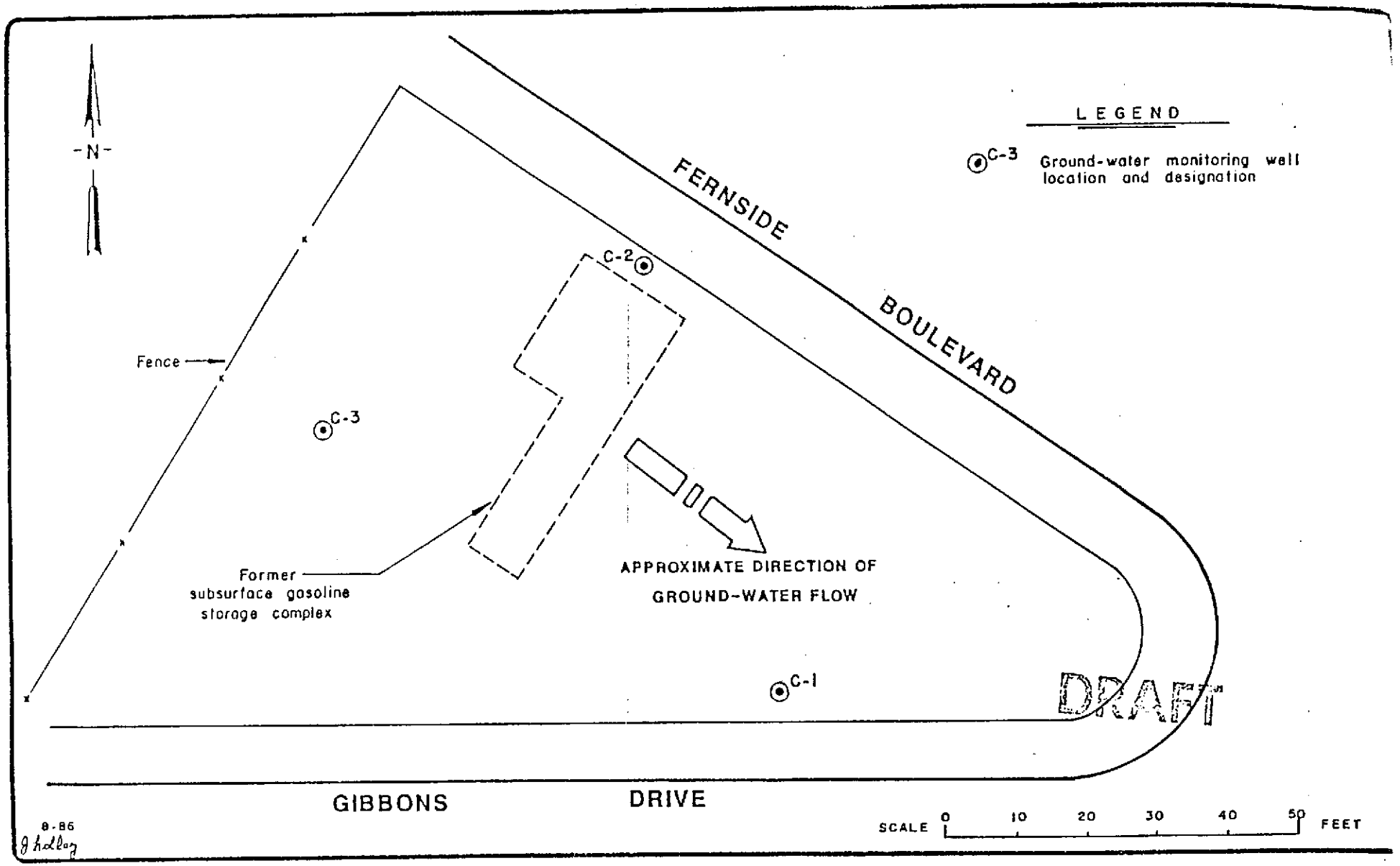
Tom Paulson
Sampling Manager

attachments

TABLE OF MONITORING DATA
GROUNDWATER WELL SAMPLING REPORT

WELL I.D.	C-1	C-2	C-3
Casing Diameter (inches)	3	----	3
Total Well Depth (feet)	20.0	----	21.1
Depth to Water (feet)	4.46	----	4.15
Free Product (feet)	none	----	none
Reason Not Sampled	----	well buried	----
Calculated 4 Case Vol.(gal.)	32.8	----	36.0
Did Well Dewater?	no	----	no
Volume Evacuated (gal.)	41	----	45
Purging Device	Bladder	----	Bladder
Sampling Device	Bladder	----	Bladder
Time	16:32	----	15:29
Temperature (F)*	66.7	----	64.9
pH*	6.66	----	6.75
Conductivity (umhos/cm)*	1040	----	1011

* Indicates Stabilized Value



EMCON Associates

GETTLER-RYAN INC.
SUBSURFACE HYDROGEOLOGIC INVESTIGATION
FORMER CHEVRON SERVICE STATION, FERNSIDE BLVD. & GIBBONS DR.
ALAMEDA, CALIFORNIA

MONITORING WELL LOCATION MAP 131

FIGURE 1

PROJECT NO. 800-75.01

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

Gettler-Ryan
1992 National Avenue
Hayward, CA 94545
ATTN: Jerry Mitchell

Date: May 17, 1989

Work Order Number: S9-Ø5-Ø46

P.O. Number: 3131

This is the Certificate of Analysis for the following samples:

Client Project ID:	GR #3131, Chevron, 3126 Fernside Blvd./ High St., Alameda, CA
Date Received by Lab:	5/4/89
Number of Samples:	4
Sample Type:	Water

The method of analysis for low boiling hydrocarbons is taken from EPA Methods 8Ø15, 8Ø2Ø and 5Ø3Ø. The sample is examined using the purge and trap technique. Final detection is by gas chromatography using a flame ionization detector as well as a photoionization detector. The result for total low boiling hydrocarbons is calculated as gasoline and includes benzene, toluene, ethyl benzene and xylenes.

Reviewed and Approved

David A. Pichette
Project Manager

DAP/jd
1 Page Following - Table of Results

Date: May 17, 1989
Client Project ID: GR #3131, Chevron
3126 Fernside Blvd./High St., Alameda, CA

IT ANALYTICAL SERVICES
SAN JOSE, CA

Work Order Number:
S9-05-046

Lab Sample ID	Client Sample ID	Sample Date	Date Analysis Completed	Sample Condition on Receipt
S9-05-046-01	C-1	5/03/89	5/10/89	Cool, pH ≤2
S9-05-046-02	C-3	5/03/89	5/10/89	Cool, pH ≤2
S9-05-046-03	CF-3	5/03/89	5/10/89	Cool, pH ≤2
S9-05-046-04	Trip Blank	5/03/89	5/10/89	Cool, pH ≤2

Total Petroleum Hydrocarbons - Modified E.P.A. Methods 8015, 8020

ND = None Detected

Results - Micrograms per Liter

Lab Sample ID	Client Sample ID	Low Boiling Hydrocarbons (calculated as Gasoline)	Benzene	Toluene	Ethyl Benzene	Xylenes (total)
S9-05-046-01	C-1	6,900.	3,800.	190.	99.	130.
Detection Limit		5,000.	50.	2.	2.	8.
S9-05-046-02	C-3	ND	ND	ND	ND	ND
S9-05-046-03	CF-3	ND	ND	ND	ND	ND
S9-05-046-04	Trip Blank	ND	ND	ND	ND	ND
Detection Limit		50.	0.5	1.	1.	3.

682-1-89

Gettler - Ryan Inc. 59-05-046 — ENVIRONMENTAL DIVISION — **Chain of Custody**

COMPANY Chevron USA Inc. SS# 9-1153 — Job NO. 00372

JOB LOCATION 3126 Fernside Blvd / High St

CITY Alameda, CA — PHONE NO. (415) 783-7580

AUTHORIZED Jerry Mitchell — DATE 5/3/89 — P.O. NO. 3131

SAMPLE ID	NO. OF CONTAINERS	SAMPLE MATRIX	DATE/TIME SAMPLED	ANALYSIS REQUIRED	SAMPLE CONDITION LAB ID
01 C-1	3	Liquid	5/3/89 / 16:32	THC (Gas) BTXE	Cool/OK
02 C-3	↓	↓	↓ / 15:29	↓	↓
03 CF-3	↓	↓	↓ / 15:29	↓	↓
04 trip blank	2	~~Gasoline~~	↓ / 5:29	↓	↓

RELINQUISHED BY: Guadalupe R Sanchez 5/4/89 7:35 AM — RECEIVED BY: [illegible] 5/4/89 07:35

RELINQUISHED BY: [illegible] 5/4/89 1634 — RECEIVED BY: [illegible] 5/4/89 16:31

RELINQUISHED BY: [illegible] 5/4/89 ~~16:37~~ 20:08 — RECEIVED BY LAB: [illegible] 5/4/89 20:08

DESIGNATED LABORATORY: IT SCV — DHS #: 137

REMARKS: Normal TAT Results due 5/18/89

DATE COMPLETED 5/3/89 — ~~FOREMAN~~ Sampler Guadalupe Sanchez

ORIGINAL

7/22/87

INTERNATIONAL TECHNOLOGY CORPORATION

RECEIVED
AUG 07 1987
PACIFIC ENVIRONMENTAL GROUP, INC.

RECEIVED
AUG 13 1987
GETTLER-RYAN INC.
GENERAL CONTRACTOR

Pacific Environmental Group, Inc.
1601 Civic Center Drive
Suite 202
Santa Clara, CA 95050

August 4, 1987

ATTN: Erin Garner

Following are the results of analyses on the samples described below.

Project Number:	120-36.02, CUSA, Fernside & Gibbons
Lab Numbers:	S7-07-171-01 thru S7-07-171-03
Number of Samples:	3
Sample Type:	water
Date Received:	7/22/87
Analyses Requested:	Low Boiling Hydrocarbons

The method of analysis for low boiling hydrocarbons is taken from E.P.A. Methods 8015, 8020 and 5030. The sample is examined using the purge and trap technique. Final detection is by gas chromatography using a flame ionization detector as well as a photo-ioniozation detector.

The result for total low boiling hydrocarbons is calculated as gasoline and include benzene, toluene, ethyl benzene and xylenes.

Fred Rouse

Fred Rouse

FR/ksr

1 Page Following - Table of Results

INTERNATIONAL TECHNOLOGY CORPORATION

IT/Santa Clara to
Pacific Environmental Group, Inc.
ATTN: Erin Garner

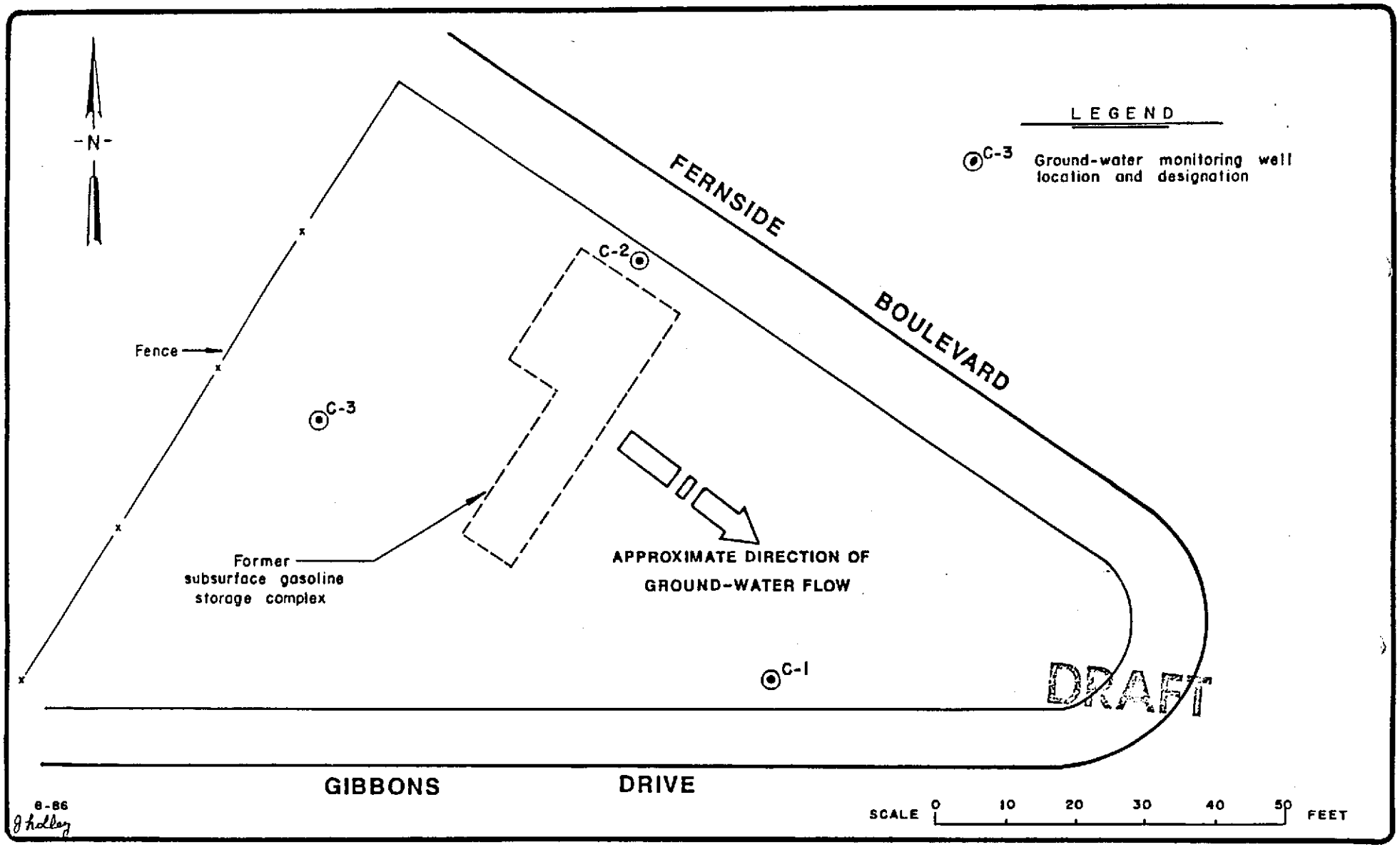
August 4, 1987

Summary of Results

Project Number: 120-36.02, CUSA, Fernside & Gibbons

nd = none detected

Lab Number	Sample Identification	Micrograms per Liter: Low Boiling Hydrocarbons (Gasoline)	Benzene	Toluene	Ethyl benzene and xylenes
S7-07-171-01	C-1	1,100.	250.	7.	40.
S7-07-171-02	C-2	nd	1.8	nd	nd
S7-07-171-03	C-3	nd	nd	nd	nd
Detection Limit		50.	0.5	1.	4.



EMCON Associates

GETTLER-RYAN INC.
SUBSURFACE HYDROGEOLOGIC INVESTIGATION
FORMER CHEVRON SERVICE STATION, FERNSIDE BLVD. & GIBBONS DR.
ALAMEDA, CALIFORNIA

MONITORING WELL LOCATION MAP

FIGURE 1

PROJECT NO. 800-75.01