



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

REGIONAL WATER QUALITY
CONTROL BOARD
ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS
7-21-89

Marketing Operations

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

July 13, 1989

Regional Water Quality Control Board
San Francisco Bay Region
1111 Jackson St. - Rm. 6040
Oakland, California 94607

Attention: Mr. Scott Hugenberger

Reference: Chevron Service Station #0504
15900 Hesperian Blvd./Post Office Rd.
San Lorenzo, California

Gentlemen:

Enclosed is the Gettler-Ryan Inc. report, dated June 27, 1989, presenting the analytical results of the groundwater sampling conducted at the referenced location.

The existing wells were installed in 1983 in response to a leak discovered in an underground gasoline storage tank. The tanks were replaced and floating product was not observed in any of the monitoring wells. This sampling program was initiated in order to re-evaluate the site condition.


As indicated in the report, all water samples were analyzed for low-boiling hydrocarbons (gasoline), benzene, toluene, ethyl benzene and xylenes, and in addition, well #4 was analyzed for high-boiling hydrocarbons (oil). Hydrocarbon constituents were detected in the groundwater samples from wells #1, #2 and #3. Volatile hydrocarbons due to gasoline ranged from 130,000 micrograms per liter (ug/L) in well #2 to none detected in wells #4 and #5. Benzene ranged from 14,000 ug/L in well #2 to none detected in wells #4 and #5.

Chevron U.S.A. will continue sampling this site on a quarterly basis. In addition, we will direct our consultant to calculate the groundwater flow direction beneath the site. This information will be used to determine our next appropriate action.

Should you have any questions or comments, please do not hesitate to call John Randall at (415) 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 my knowledge.

Very truly yours
C. G. Trimbach

by 
John Randall, Engineer

JMR/elm

enclosure

cc: Mr. Rafat Shahid, County of Alameda Environmental Health



*deposit refund?
permit?*

gettler — ryan inc.

ALAMEDA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS
7/21-89

JUL 17 '89 H.C.H.

June 27, 1989

GROUNDWATER SAMPLING REPORT

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

Referenced Site: Chevron Service Station #0504
15900 Hesperian Blvd/Post Office Road
San Lorenzo, California *9/5/80*

Sampling Date: June 5, 1989

Leak discovered in 1983

This report presents the results of the groundwater sampling and analytical program conducted by Gettler-Ryan Inc. on June 5, 1989 at the referenced location. The site is occupied by an operating service station located on the southeast corner of Hesperian Boulevard and Post Office Road. The service station has underground storage tanks containing regular leaded, unleaded and super unleaded gasoline products, diesel fuel and waste oil.

There are currently five groundwater monitoring wells on site at the locations shown on the attached site map. Prior to sampling, all wells were inspected for total well depth, water levels, and presence of separate phase product using an electronic interface probe. A clean acrylic bailer was used to visually confirm the presence and thickness of separate phase product. Groundwater depths ranged from 12.00 to 13.57 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. 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. All sampling equipment was thoroughly cleaned after each well was sampled and steam cleaned upon completion of work at the site. The samples were labeled, stored on blue ice, and transported to the laboratory for analysis. A field blank (CF-3) and a trip blank, supplied by the laboratory, were included and analyzed to assess quality control. A duplicate sample (CD-5), was sampled without well designations to assess laboratory performance. Analytical results for the trip blank are included in the Certified Analytical Report (CAR's). Chain of custody records were established noting sample identification numbers, time, date, and custody signatures.

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.

A handwritten signature in cursive script, appearing to read "Paulson", with a long horizontal flourish extending to the right.

Tom Paulson
Sampling Manager

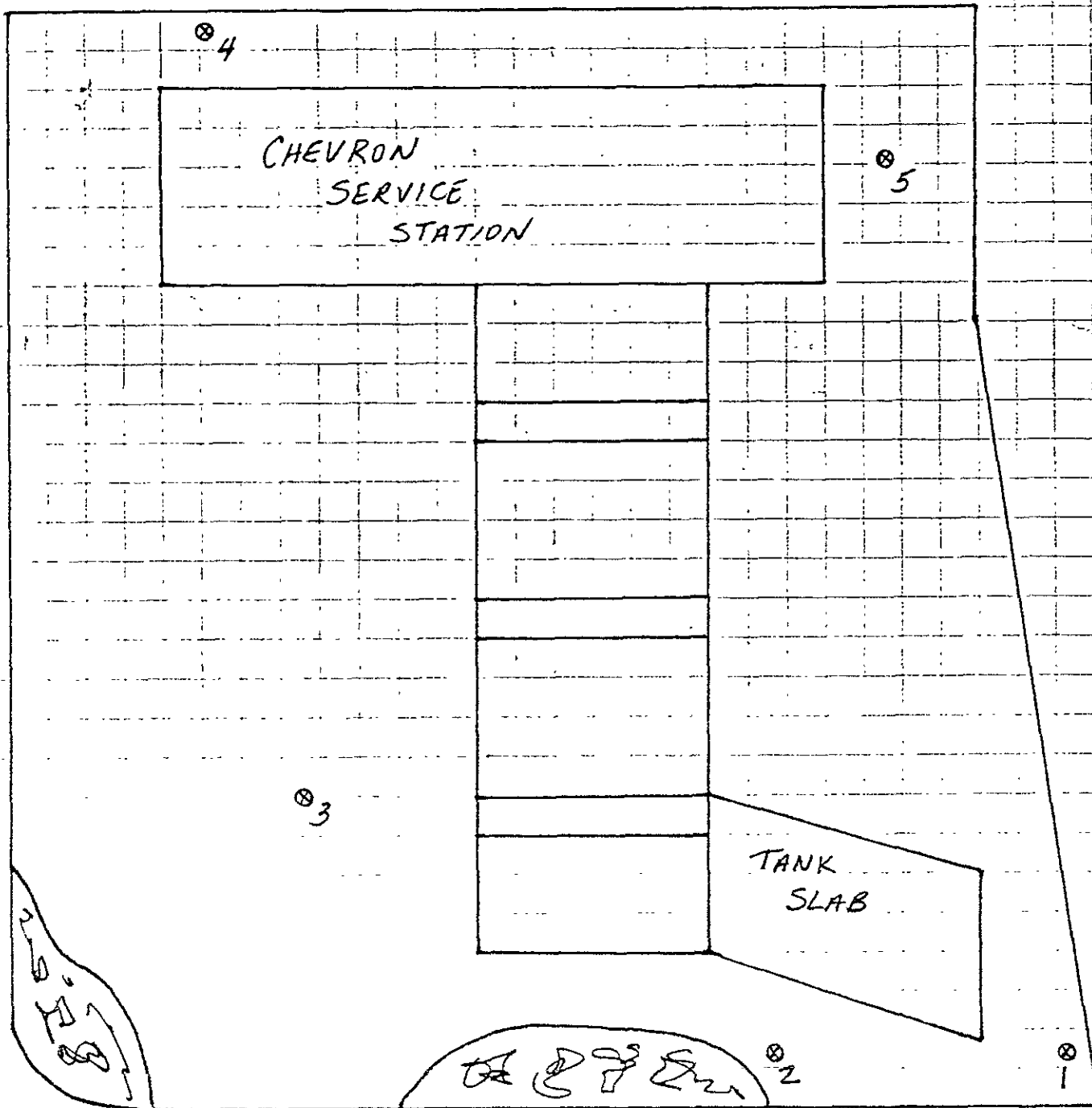
attachments

TABLE OF MONITORING DATA
GROUNDWATER WELL SAMPLING REPORT

<u>WELL I.D.</u>	1	2	3	4	5 D-5
Casing Diameter (inches)	3	3	3	3	3
Total Well Depth (feet)	18.6	19.7	18.7	19.9	19.2
Depth to Water (feet)	12.00	12.15	13.32	13.57	13.10
Free Product (feet)	none	none	none	none	none
Reason Not Sampled	----	----	----	----	----
Calculated 4 Case Vol.(gal.)	10.0	11.6	8.2	9.6	9.3
Did Well Dewater?	no	no	no	no	no
Volume Evacuated (gal.)	13	15	10	12	11.8
Purging Device	Bladder	Bladder	Bladder	Bladder	Bladder
Sampling Device	Bladder	Bladder	Bladder	Bladder	Bladder
Time	11:39	12:15	11:04	09:38	10:27
Temperature (F)*	70.0	69.5	63.7	68.8	68.2
pH*	6.75	6.81	6.84	6.81	6.82
Conductivity (umhos/cm)*	951	950	509	1047	930

* Indicates Stabilized Value

Post Office Rd.



HESPERIAN BLVD

OR-5107
CHEVRON U.S.A. # 504
15900 HESPERIAN BLVD
SAN LORENZO, CA N.T.S.



INTERNATIONAL
TECHNOLOGY
CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

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

Date: June 23, 1989

Work Order Number: S9-06-053

P.O. Number: 3259

This is the Certificate of Analysis for the following samples:

Client Project ID:	GR #3259, Chevron, 15900 Hesperian Blvd./Post Office Road, San Lorenzo
Date Received by Lab:	6/6/89
Number of Samples:	8
Sample Type:	Water

The method of analysis for low boiling hydrocarbons is taken from EPA 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 photoionization detector. The result for total low boiling hydrocarbons is calculated as gasoline and includes benzene, toluene, ethyl benzene and xylenes.

The method of analysis for high boiling hydrocarbons involves extracting the samples with solvent and examining the extracts by gas chromatography using a flame ionization detector.

Reviewed and Approved

David A. Pichette
Project Manager

DAP/an
3 Pages Following - Tables of Results

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories
American Association for Laboratory Accreditation

Page: 1 of 3
 Date: June 23, 1989
 Client Project ID: GR #3259, Chevron, 15900
 Hesperian Blvd./Post Office Rd., San Lorenzo

IT ANALYTICAL SERVICES
 SAN JOSE, CA

Work Order Number: S9-06-053

Lab Sample ID	Client Sample ID	Sample Date	Date Analysis Completed	Sample Condition on Receipt
S9-06-053-01	1	6/5/89	6/13/89	cool pH <2
S9-06-053-02	2	6/5/89	6/13/89	cool pH <2
S9-06-053-03	3	6/5/89	6/14/89	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)
S9-06-053-01	1	5,100.	250.	170.	200.	990.
Detection Limit		1,000.	10.	20.	20.	80.
S9-06-053-02	2	130,000.	14,000.	28,000.	3,400.	24,000.
Detection Limit		30,000.	300.	700.	700.	2,000.
S9-06-053-03	3	2,600.	63.	20.	390.	370.
Detection Limit		500.	5.	10.	10.	30.

Page: 2 of 3
Date: June 23, 1989
Client Project ID: GR #3259, Chevron, 15900
Hesperian Blvd./Post Office Rd., San Lorenzo

IT ANALYTICAL SERVICES
SAN JOSE, CA

Work Order Number: S9-06-053

Client Sample ID: 4
Sample Date: 6/5/89
Lab Sample ID: S9-06-053-04
Receipt Condition: cool, pH <2

Low Boiling Hydrocarbons Analysis Date: 6/9/89

High Boiling Hydrocarbons Extraction Date: 6/8/89
High Boiling Hydrocarbons Analysis Date: 6/9/89

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

Results - Micrograms per Liter

Parameter	Detection Limit	Detected
Low Boiling Hydrocarbons, calculated as Gasoline	50.	None
Benzene	0.5	None
Toluene	1.	None
Ethyl Benzene	1.	None
Xylenes (total)	3.	None
High Boiling Hydrocarbons, calculated as Oil	500.	None

Page: 3 of 3
 Date: June 23, 1989
 Client Project ID: GR #3259, Chevron, 15900
 Hesperian Blvd./Post Office Rd., San Lorenzo

IT ANALYTICAL SERVICES
 SAN JOSE, CA

Work Order Number: S9-06-053

Lab Sample ID	Client Sample ID	Sample Date	Date Analysis Completed	Sample Condition on Receipt
S9-06-053-05	5	6/5/89	6/9/89	cool pH <2
S9-06-053-06	D-5	6/5/89	6/9/89	cool pH <2
S9-06-053-07	F-3	6/5/89	6/9/89	cool pH <2
S9-06-053-08	Trip Blank	6/5/89	6/14/89	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)	
S9-06-053-05	5	ND	ND	ND	ND	
S9-06-053-06	D-5	ND	ND	ND	ND	
S9-06-053-07	F-3	ND	ND	ND	ND	
S9-06-053-08	Trip Blank	ND	ND	ND	ND	
Detection Limit		50.	0.5	1.	3.	

COMPANY Chevron O.S.d. I.S.S. #0504 JOB NO.
 JOB LOCATION 15900 Hesperian Blvd. / Post Office Rd.
 CITY San Lorenzo, CA (415) PHONE NO. 783-7500
 AUTHORIZED Jerry Mitchell DATE 6/5/89 P.O. NO. 3259

SAMPLE ID	NO OF CONTAINERS	SAMPLE MATRIX	DATE/TIME SAMPLED	ANALYSIS REQUIRED	SAMPLE CONDITION LAB ID
1	3	Liquid	6-5/1139	THC (Gas) BTXE	
2	5	↓	11215	↓	
3			11104		THC (Gas) BTXE
4			10936		T.P.H.B.F. as w/o
5			11007		THC (Gas) BTXE
D-5			-		
F-3					
Trip blank	↓	↓	5-20-	THC (Gas) BTXE TPH HBF as w/o	

ABC = BTXE (Gas)

CD = HBF as w/o

TRIP BLANK = A, B GAS
= C HBF

RELINQUISHED BY: Philly J. Payne 6/6/89 0910
 RELINQUISHED BY: _____

RECEIVED BY: _____
 RECEIVED BY: _____

RELINQUISHED BY: _____

RECEIVED BY LAB: 6/6/89
Ernie A. Jordan 0910
 DHS #: 137

DESIGNATED LABORATORY: IT SCV

REMARKS: Normal TAT Results due 6/20/89

DATE COMPLETED June 5, 1989 FOREMAN Philly J. Payne