11-14-90

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

90 JAN 11 PM 12:06

Marketing Operations

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

January 4, 1990

Regional Water Quality Control Board
San Francisco Bay Region
1800 Harrison Street, Suite 700
Oakland, California 94612

Attention: Mr. Tom Callaghan

Reference: Chevron Service Station #0329
340 Highland Ave./Vista St.
Piedmont, California

Gentlemen:

Enclosed is the Gettler-Ryan Inc. report, dated December 5, 1989, presenting the analytical results of the groundwater sampling conducted at the referenced location. As indicated in the report, water samples taken from groundwater monitoring wells #2, #3, #4 and A were analyzed for low-boiling hydrocarbons (gasoline), benzene, toluene, ethyl benzene, xylenes, and Total Oil and Grease (TOG). Hydrocarbon constituents were detected in all of the wells. Volatile hydrocarbons due to gasoline ranged from none detected in well #3 to 8,100 micrograms per liter (ug/L) in #2. Benzene ranged from none detected in well #3 to 500 ug/L in well #2. TOG was not detected in these wells.

Chevron U.S.A. Inc. will sample again in one quarter. The data will be used to confirm present levels of dissolved hydrocarbons and groundwater depths. In order to determine the appropriate invesitigative actions, we will direct our consultant to calculate the groundwater gradient on site. The results will be forwarded to your office upon our receipt.

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
D. Moller

by
John Randall, Engineer

JMR/elm

enclosure

cc: Mr. Gil Wistar, Alameda County Hazardous Materials Division

December 5, 1989

GROUNDWATER SAMPLING REPORT

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

Referenced Site: Chevron Service Station #0329
340 Highland Avenue/Vista Street
Piedmont, California

Sampling Date: November 15, 1989

This report presents the results of the quarterly sampling and analytical program conducted by Gettler-Ryan Inc. on November 15, 1989 at the referenced location. The site is occupied by an operating service station located on the northeast corner of Highland Avenue and Vista Street. The service station has underground storage tanks containing regular leaded, unleaded and super unleaded gasoline products and waste oil.

There are currently six 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 hydrocarbons using an electronic interface probe. A clean acrylic bailer was used to visually confirm the presence and thickness of separate phase hydrocarbons. Groundwater depths ranged from 2.04 to 5.17 feet below grade. A hydrocarbon sheen was observed in wells #2 and #3. Well #1 was dry.

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. In cases where a well dewatered or less than four case volumes were purged, groundwater samples were obtained after the physical parameters had stabilized. The purge water was contained in 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 bailers or 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 trip blank, supplied by the laboratory, was included and analyzed to assess quality control. 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.

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

The samples were analyzed at Superior Analytical Laboratory Inc. located at 825 Arnold, Ste. 2, Martinez, California. The laboratory is assigned a California DHS-HMTL Certification number of 319. The results are presented as a Certified Analytical Report, a copy of which is attached to this report.

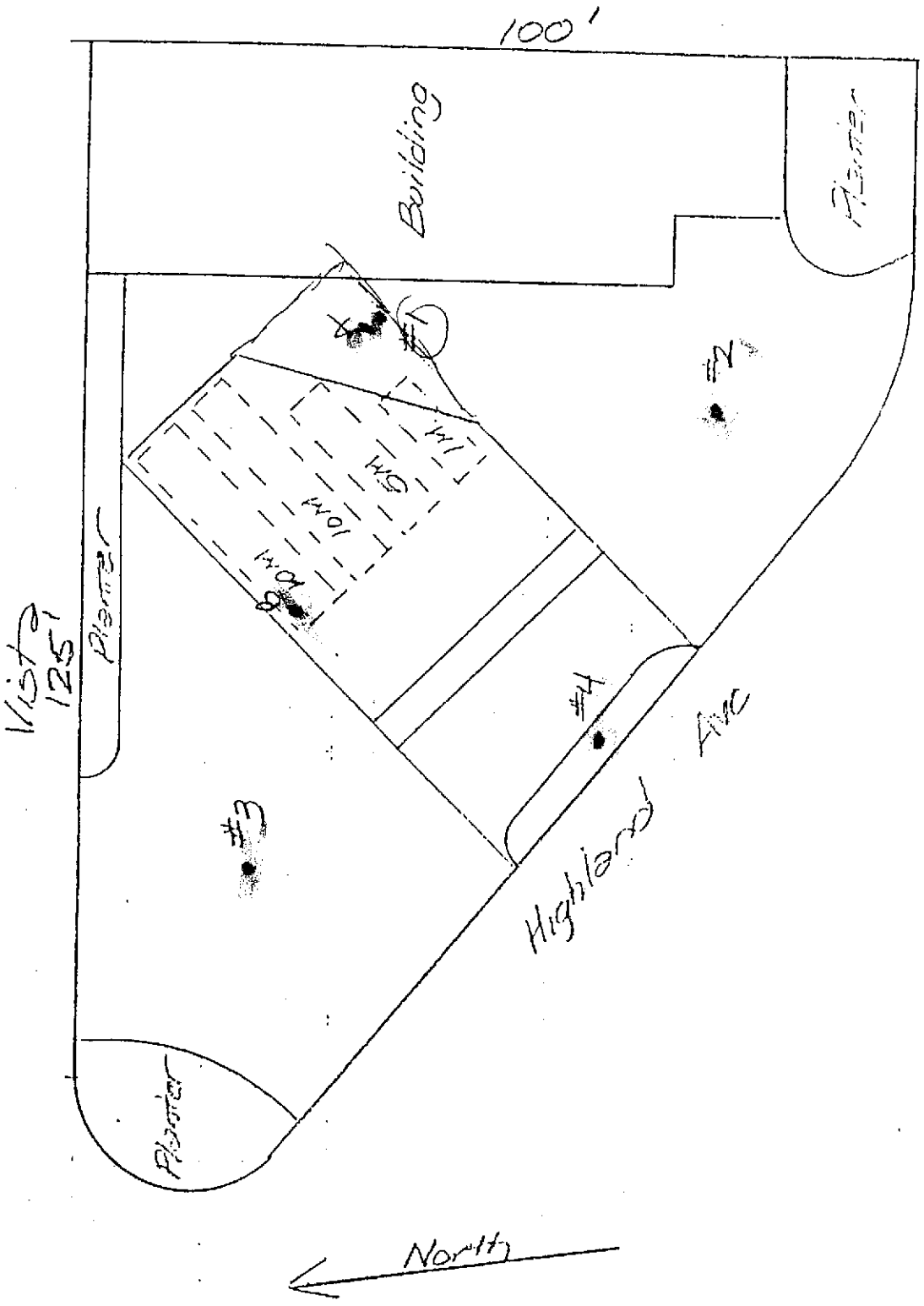
Tom Paulson
Sampling Manager

attachments

TABLE OF MONITORING DATA
GROUNDWATER WELL SAMPLING REPORT

WELL I.D.	#1	#2	#3	#4	A	B
Casing Diameter (inches)	2	2	2	2	6	6
Total Well Depth (feet)	1.3	17.2	17.3	10.9	7.6	----
Depth to Water (feet)	----	2.80	5.17	4.95	2.04	4.02
Free Hydrocarbons (feet)	----	sheen	sheen	none	none	none
Reason Not Sampled	dry	----	----	----	----	monitored
Calculated 4 Case Vol.(gal.)	----	9.6	8.2	4.0	33.4	----
Did Well Dewater?	----	yes	yes	yes	no	----
Volume Evacuated (gal.)	----	6	8	1.6	42.3	----
Purging Device	----	Bailer	Bailer	Bailer	Bladder	----
Sampling Device	----	Bailer	Bailer	Bailer	Bladder	----
Time	----	13:29	13:17	13:18	13:02	----
Temperature (F)*	----	71.2	71.1	71.2	68.8	----
pH*	----	6.49	7.12	6.50	6.36	----
Conductivity (umhos/cm)*	----	794	215	770	710	----

* Indicates Stabilized Value



CHEVRON USA #329
340 HIGHLAND AVENUE
PIEDMONT, CA
8/1/89

JOB 5261

SUPERIOR ANALYTICAL LABORATORY INC.
825 ARNOLD, STE. 2 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 80261
CLIENT: Gettler Ryan Co.
CLIENT JOB NO.: 3261

DATE RECEIVED: 11/16/89
DATE REPORTED: 11/27/89

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
80261- 1	2	11/15/89	11/22/89
80261- 2	3	11/15/89	11/22/89
80261- 3	4	11/15/89	11/22/89
80261- 4	A	11/15/89	11/22/89
80261- 5	TRIP BLANK	11/15/89	11/22/89

Laboratory Number:	80261 1	80261 2	80261 3	80261 4	80261 5
ANALYTE LIST	Amounts/Quantitation Limits (ug/L)				
OIL AND GREASE:	ND<5000	ND<5000	ND<5000	ND<5000	NA
TPH/GASOLINE RANGE:	8100	ND<500	1300	3700	ND<500
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	500	ND<0.5	2.9	9	ND<0.5
TOLUENE:	36	2.8	310	2.1	ND<0.5
ETHYL BENZENE:	420	ND<0.5	0.5	4.3	ND<0.5
XYLENES:	180	1.1	2.9	5	ND<0.5

SUPERIOR ANALYTICAL LABORATORY INC.
825 ARNOLD, STE. 2 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512

C E R T I F I C A T E O F A N A L Y S I S

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS
Diesel by Modified EPA SW-846 Method 8015
Gasoline by Purge and Trap: EPA MEthod 8015/5030
ANALYSIS FOR BENZENE, TOLUENE, ETHYL BENZENE & XYLENES
by EPA SW-846 Methods 5030 and 8020

QA/QC INFORMATION
SET: 80261

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT

ug/L = part per billion (ppb)

OIL AND GREASE ANALYSIS By Standard Methods Method 503E:
Duplicate RPD 0
Minimum Detection Limit in Water: 5000ug/L

Modified EPA Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Water: 1000ug/L
Daily Standard run at 200mg/L; RPD Diesel = NA
MS/MSD Average Recovery = NA: Duplicate RPD = NA

8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Water: 500ug/L
Daily Standard run at 2mg/L; RPD Gasoline = 5
MS/MSD Average Recovery = 92%: Duplicate RPD = <0.9

8020/BTXE
Minimum Quantitation Limit in Water: 0.50ug/L
Daily Standard run at 20ug/L; RPD = <15%
MS/MSD Average Recovery = 95%: Duplicate RPD = <4

Richard Srna, Ph.D.
Laboratory Manager

X0261

Chain-of-Custody Record

Chevron U.S.A. Inc.
P.O. Box 5004
San Ramon, CA 94583
FAX (415) 842-9591

Chevron Facility Number 0329
Consultant Release Number 2477950
Consultant Project Number 3261
Consultant Name Gettler-Ryan
Address 1992 Nat'l. Ave. Hayward
Fax Number 415 783-1089
Project Contact (Name) J. Mitchell
(Phone) 783-7500

Chevron Contact (Name) J. Randall
(Phone)
Laboratory Name Superior
Contract Number #2477970
Samples Collected by (Name) P. Dye + G. Sanchez
Collection Date 11/15/89
Signature [signature]

Sample Number	Lab Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite	Time	Sample Preservation	Iced	Modified EPA 8015 Total Petro. Hydrocarb. as Gasoline	Modified EPA 8015 Total Petro. Hydrocarb. as Gasoline + Diesel	503 Oil and Grease	Arom. Volatiles - BTXE Soil: 8020/Wtr.: 602	Arom. Volatiles - BTXE Soil: 8240/Wtr.: 624	Total Lead DHS-Luft	EDB DHS-AB 1803	TPH as waste oil (503E)	as chlorin[ated] [illegible]		Remarks
2	1	7	W		1329	5-HCl 2-none	Y	X			✓				✓			
3	2	↓	↓		1317	↓	↓	X			↓				↓			
4	3	↓	↓		1318	↓	↓	X			↓				↓			
A	4	6	↓		1302	↓	↓	X			↓				↓			
Trip blank	5	2	↓		–		↓	X			↓							

In transfering cooler one VOA Bottle Broke from A sample.

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	G/R	11-15	[signature]	[illegible]	11-15-89/17:30
[signature]	G/R	11/16/08:30	[signature]	Express-It	11/16 1034
			Received For Laboratory By (Signature)		

Turn Around Time (Circle Choice)
24 Hrs
48 Hrs
5 Days
10 Days (circled)