



Chevron U.S.A. Products Company

2410 Camino Ramon, San Ramon, California • Phone (510) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

92 JUN -1 11:12 14

Marketing Department

May 28, 1992

Mr. Ariu Levi
Alameda County Health Care Services
80 Swan Way, Room 200
Oakland, CA 94621

**Re: Former Chevron Service Station #9-4612
3616 San Leandro Street
Oakland, CA 94601**

Dear Mr. Levi:

Enclosed we are forwarding the Quarterly Ground Water Monitoring Report dated May 18, 1992, prepared by our consultant Pacific Environmental Services, Inc. for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline and BTEX. Benzene was detected at a concentration of 670 ppb. Depth to ground water was measured at approximately 8.1-feet below grade.

We are still pending the formal authorization from the property owner to perform additional site assessment work on his property. Immediately upon receipt, a work plan outlining our proposed additional work steps will be forwarded to your office for your review and formal concurrence.

Write prop owner NOW/BC

Chevron will continue to monitor this site and report findings on a quarterly basis.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-9581.

Very truly yours,
CHEVRON U.S.A. PRODUCTS COMPANY

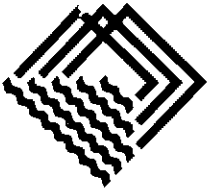
Nancy Vukelich
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. Eddy So, RWQCB-Bay Area
Ms. B.C. Owen
File (9-4612Q3)

Mr. Jack Ratto
191 98th Avenue
Oakland, CA 94603





PACIFIC
ENVIRONMENTAL
GROUP, INC.

May 18, 1992
Project 325-15.01

Ms. Nancy Vukelich
Chevron USA Products Company
P.O. Box 5004
San Ramon, California 94583

Re: Former Chevron Service Station 9-4612
3616 San Leandro Street
Oakland, California

Dear Ms. Vukelich:

This letter presents the results of a quarterly groundwater sampling and analytical program conducted by Pacific Environmental Group, Inc. (PACIFIC) for Chevron USA Products Company (Chevron), on April 20, 1992, at the site referenced above (Figure 1). Historical groundwater elevation data and analytical results are presented in Table 1. Dissolved gasoline and benzene concentrations are shown on Figure 1.

Water removed from the well (VH-1) during this sampling event was placed in a 500-gallon water transportation trailer. Upon completion of work, the trailer and its contents were transported to the Chevron Richmond Marketing Terminal and injected into the treatment system for processing and discharge.

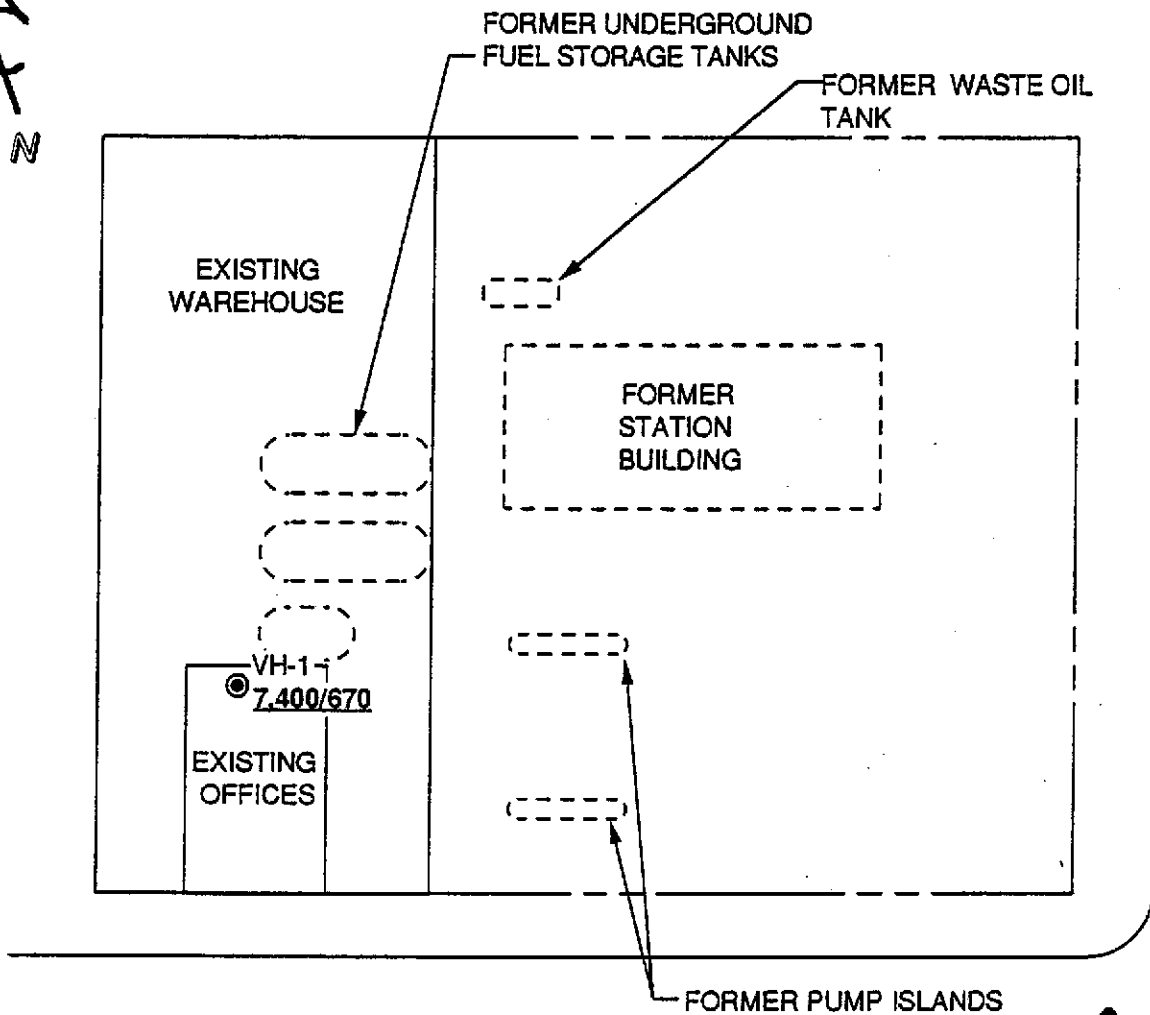
Groundwater sampling procedures are presented in Attachment A. Laboratory analytical methods are documented in the certified analytical reports. The certified analytical reports and chain-of-custody documentation are presented in Attachment B.

**Table 1
Groundwater Elevation Data and Analytical Results**

Former Chevron Service Station 9-4612
3616 San Leandro Street
Oakland, California

Well No.	Sample Date	Depth to Water (feet)	TPH-g (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)
VH-1	08/10/88	13.00	11,000	3,300	200	520	540
	06/01/89	10.32	15,000	2,200	120	540	310
	09/15/89	15.69	5,600	1,900	90	350	160
	12/08/89	14.77	11,000	1,900	69	270	99
	03/07/91	11.26	4,500	820	39	120	77
	09/24/91	12.98	3,300	520	19	39	27
	01/08/92	13.77	5,000	600	34	81	76
	04/20/92	8.18	7,400	670	60	110	140

TPH-g = total petroleum hydrocarbons calculated as gasoline
ppb = parts per billion



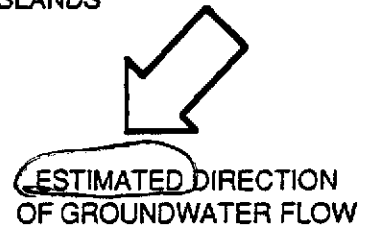
SAN LEANDRO STREET

37TH AVENUE

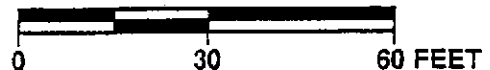
LEGEND

VH-1 ● GROUNDWATER MONITORING WELL DESIGNATION AND APPROXIMATE LOCATION

7,400/670 DISSOLVED GASOLINE/BENZENE CONCENTRATION IN GROUNDWATER, IN PARTS PER BILLION, 4-20-92



SCALE



PACIFIC ENVIRONMENTAL GROUP, INC.

FORMER CHEVRON SERVICE STATION #0290
 3616 San Leandro Street
 Oakland, California
DISSOLVED GASOLINE/BENZENE CONCENTRATION MAP

FIGURE: **1**
 PROJECT: 325-15.01

ATTACHMENT A
GROUNDWATER SAMPLING
AND
ANALYTICAL PROCEDURES

ATTACHMENT A
GROUNDWATER SAMPLING AND ANALYTICAL PROCEDURES

Groundwater Sampling

The groundwater monitoring well was sampled by first measuring the water level and checking for the presence of separate-phase hydrocarbons using an electronic indicator. The well was then purged a minimum of three casing volumes of water using a centrifugal pump and bailer, during which time temperature, pH, and electrical conductivity were monitored to indicate that a representative groundwater sample had been obtained. After purging, the water level in the well was allowed to partially restabilize before sampling. Groundwater samples were collected using a Teflon bailer, placed into appropriate EPA-approved containers, labeled, logged onto chain-of-custody documents, and transported on ice to the laboratory. A trip blank and a duplicate water sample accompanied the sample(s) to the laboratory.

Laboratory Analysis

Groundwater samples were analyzed for total petroleum hydrocarbons calculated as gasoline (TPH-g) including benzene, toluene, ethylbenzene, and xylenes (BTEX compounds). The analysis for TPH-g was performed according to Modified EPA Method 8015 by the purge-and-trap technique, with final detection by gas chromatography using a flame-ionization detector and a photoionization detector. The analysis for BTEX compounds was performed according to EPA Method 8020. Laboratory quality assurance documentation is included with the laboratory results. Laboratory detection limits are in accordance with RWQCB minimum detection limits.

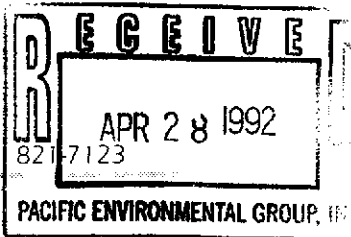
ATTACHMENT B

**CERTIFIED ANALYTICAL REPORTS
AND
CHAIN-OF-CUSTODY DOCUMENTATION**



Superior Precision Analytical, Inc.

1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123



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

LABORATORY NO.: 13028
CLIENT: Pacific Environmental Group
CLIENT JOB NO.: 325-15.01

DATE RECEIVED: 04/21/92
DATE REPORTED: 04/23/92

Page 1 of 2

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
13028- 1	VH-1	04/20/92	04/22/92
13028- 2	EB-1	04/20/92	04/22/92
13028- 3	DI-1	04/20/92	/ /
13028- 4	TB-1	04/20/92	04/22/92

Laboratory Number:	13028	13028	13028	13028
	1	2	3	4

ANALYTE LIST	Amounts/Quantitation Limits (ug/L)			
OIL AND GREASE:	NA	NA	NA	NA
TPH/GASOLINE RANGE:	7400	ND<50	NA	ND<50
TPH/DIESEL RANGE:	NA	NA	NA	NA
BENZENE:	670	ND<0.5	NA	ND<0.5
TOLUENE:	60	ND<0.5	NA	ND<0.5
ETHYL BENZENE:	110	ND<0.5	NA	ND<0.5
XYLENES:	140	ND<0.5	NA	ND<0.5

PLEASANT HILL
FILE COPY



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

Page 2 of 2
QA/QC INFORMATION
SET: 13028

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:
Minimum Detection Limit in Water: 5000ug/L

Modified EPA-SW846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Water: 50ug/L
Standard Reference: NA

EPA-SW846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Water: 50ug/L
Standard Reference: 10/12/91

SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Water: 0.5ug/L
Standard Reference: 04/07/92

ANALYTE	REFERENCE	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Oil & Grease	NA	NA	NA	NA	NA
Diesel	NA	NA	NA	NA	NA
Gasoline	04/07/92	200ng	96/98	2.0	76-111
Benzene	04/07/92	200ng	90/92	2.8	78-110
Toluene	04/07/92	200ng	85/87	2.3	78-111
Ethyl Benzene	04/07/92	200ng	82/84	3.0	78-118
Total Xylene	04/07/92	600ng	89/91	2.4	73-113

Richard Srna, Ph.D.

Oruyi A. Awoga (for)
Laboratory Director

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

Chevron Facility Number 4612
Facility Address 3616 San Leandro
Consultant Project Number 325 1501
Consultant Name Pacific Environmental Group
Address 1601 Civic Center Drive Ste. 202
Santa Clara, CA 95050
Project Contact (Name) _____
(Phone) (408)984-6536 (Fax Number) 243-3911

Chevron Contact (Name) Nancy Wakefield
(Phone) _____
Laboratory Name Superior
Laboratory Release Number 4508120
Samples Collected by (Name) Chuck Graves
Collection Date 4-20-92
Signature Chuck Graves

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed											Remarks				
								STEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (8520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)								
VH-1		3	W	G	9:40	HCL	Y	✓	✓														
EB-1		3	W	G	8:30	↓	Y	✓	✓														
DI-1		3	W	G	8:30	↓	Y	✓	✓														* Run only if Hit on EB-1
TB-1		2	W	G	-		Y	✓	✓														
								<p>Not Initial: _____</p> <p>Imps Stored in ice: _____</p> <p>Appropriate containers: _____</p> <p>Imps preserved: _____</p> <p>VOA's without headspace: _____</p> <p>Comments: _____</p>															

TPP
Y
Y
Y
Y
OK

(MSP)

Relinquished By (Signature) <u>Chuck Graves</u>	Organization <u>PEG</u>	Date/Time <u>4/21/92</u>	Received By (Signature) <u>X119 KENNEDY</u>	Organization <u>EXPRESS IT</u>	Date/Time <u>4-21-92 1453</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days <u>As Contracted</u>
Relinquished By (Signature) <u>Ken Kennedy X119</u>	Organization <u>EXPRESS IT</u>	Date/Time <u>4-21-92 1512</u>	Received By (Signature) <u>Chuck Graves</u>	Organization <u>EXPRESS IT</u>	Date/Time <u>4/21/1992</u>	
Relinquished By (Signature) <u>Chuck Graves</u>	Organization <u>EXPRESS IT</u>	Date/Time <u>4/21/1992</u>	Received For Laboratory By (Signature) <u>Chuck Graves</u>	Date/Time <u>4/21/92</u>		

COC-3.DWG/03.91/HCH