

6.3



GETTLER-RYAN INC.

TRANSMITTAL

September 11, 2001

G-R #: 386498

TO: Mr. James Brownell
Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670

CC: Mr. Thomas Bauhs
Chevron Products Company
P.O. Box 6004
San Ramon, California 94583

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: **Chevron #206127**
(Former Signal Oil Marine Terminal)
2301-2337 Blanding Avenue
Alameda, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	August 30, 2001	Groundwater Monitoring and Sampling Report Third Quarter - Event of July 30, 2001

COMMENTS:

This report is being sent for your review. Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **September 25, 2001**, at which time the final report will be distributed to the following:

cc: Ms. Eva Chu, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
Mr. Greg Gurr, Gettler-Ryan Inc., 3164 Gold Camp Drive, Suite 240, Rancho Cordova, CA 95670

Enclosures

check SFA TPH cleanup # and compare w/ site conc to determine if active plume control/remediation is warranted.
Canal water had 140 ppb TPH in 7/01, but up- & down gradient of CS-2 samples were not collected

trans/9-tb



GETTLER - RYAN INC.

August 30, 2001
G-R Job #386498

Mr. Thomas Bauhs
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583

RE: Third Quarter Event of July 30, 2001
Groundwater Monitoring & Sampling Report
Chevron #206127 (Former Signal Oil Marine Terminal)
2301-2337 Blanding Avenue
Alameda, California

Dear Mr. Bauhs:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

Static groundwater level was measured and the well was checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevation, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Groundwater Elevation Map is included as Figure 1.

Groundwater samples were collected from the monitoring well and submitted to a state certified laboratory for analyses. The field data sheet for this event is attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are also attached.

Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,

Deanna L. Harding
Project Coordinator

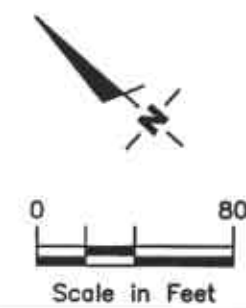
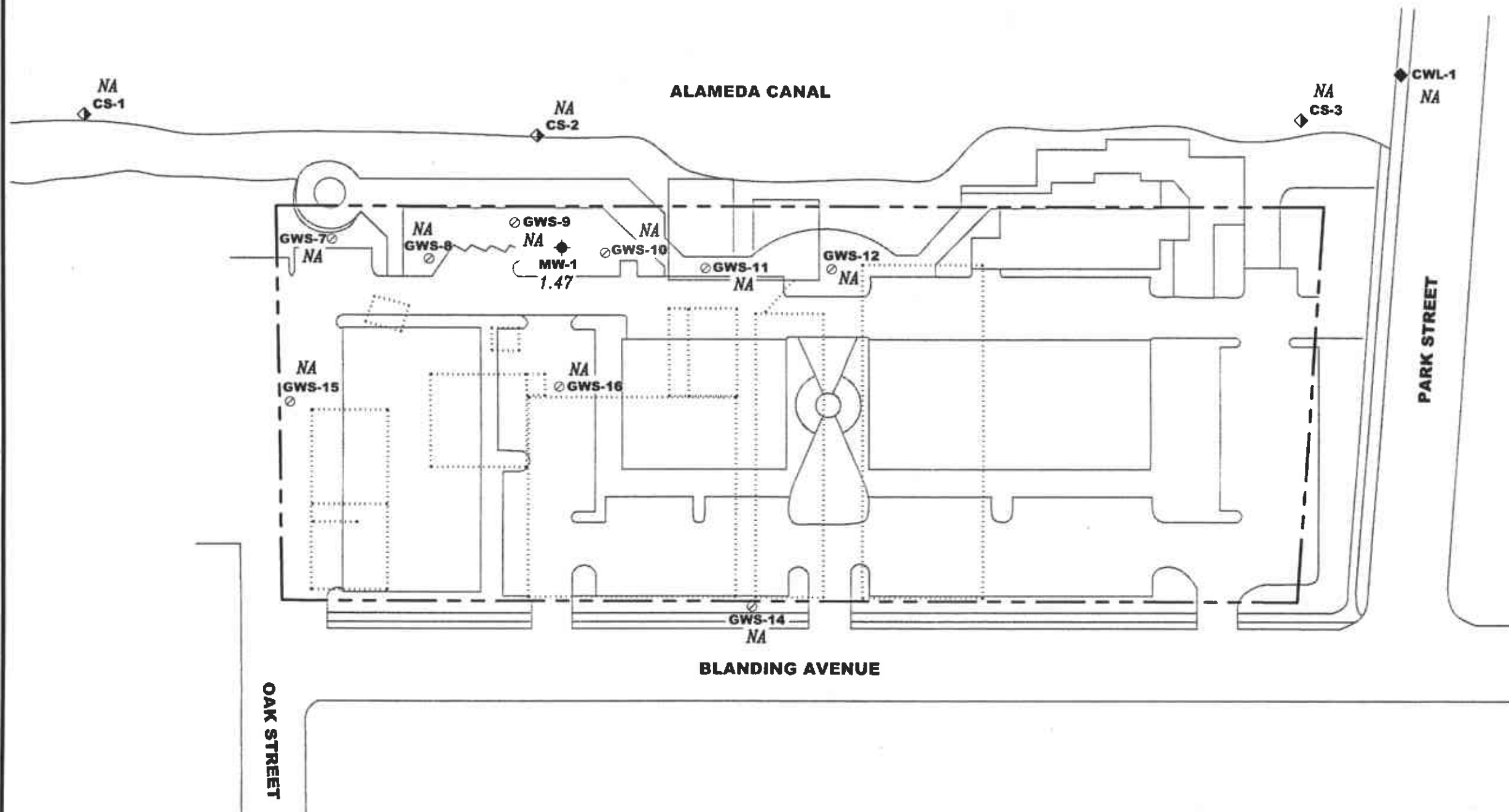
Hagop Kevork
P.E. No. C55734



Figure 1: Groundwater Elevation Map
Table 1: Groundwater Monitoring Data and Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

EXPLANATION

- ◆ Groundwater monitoring well
 - ◆ Canal water level gauging station from Park Street Bridge (RRM, October 1998)
 - ◇ Canal grab surface water sample
 - ⊙ Shallow groundwater survey point (Geomatrix, April 1995)
 - ⋯ Site features noted on Sanborn Fire Insurance map, dated 1932
- | | |
|-------|--|
| 99.99 | Groundwater elevation in feet referenced to Mean Sea Level (MSL) |
| NA | Not Available |



Source: Figure modified from drawing provided by RRM engineering contracting firm.

FIGURE

1

GROUNDWATER ELEVATION MAP
 Chevron #206127 (Former Signal Oil Marine Terminal)
 2301 - 2337 Blanding Avenue
 Alameda, California

GETTLER - RYAN INC.
 6747 Sierra Ct., Suite J
 Dublin, CA 94568 (925) 551-7555

PROJECT NUMBER: 386498
 REVIEWED BY: [Signature]
 DATE: July 30, 2001
 REVISED DATE: [Blank]

FILE NAME: P:\ENVIRO\CHEVRON\206127\001-20-6127.DWG | Layout | Job: Plot3

Table 1
Groundwater Monitoring Data and Analytical Results
 Chevron #206127 (Former Signal Oil Marine Terminal)
 2301-2337 Blanding Avenue
 Alameda, California

WELL ID/ TOC*	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1	01/23/01 ¹	7.16	--	1,100 ^{2,3}	5,210 ⁴	868	<50.0	<50.0	<50.0	<250
10.62	04/09/01	8.12	2.50	1,200 ⁶	3,000 ⁵	920	<20	<20	<20	<100
	07/30/01	9.15	1.47	550 ^{4,8}	2,000 ⁷	730	13	<5.0	<5.0	<25
CS-2	07/30/01	--	--	140 ^{4,5}	<50	<0.50	<0.50	<0.50	<0.50	<2.5
Trip Blank										
TB-LB	01/23/01	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	04/09/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	07/30/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5

EXPLANATIONS:

TOC = Top of Casing
 (ft.) = Feet

GWE = Groundwater Elevation
 (msl) = Mean sea level

DTW = Depth to Water

TPH-D = Total Petroleum Hydrocarbons as Diesel

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

-- = Not Measured/Not Analyzed

(ppb) = Parts per billion

CS-2 = Creek Sample

* TOC elevations were surveyed on January 25, 2001, by Virgil Chavez Land Surveying. The benchmark used for the survey was a City of Alameda benchmark being a cut square at the centerline return, south corner of Oak and Blanding, (Benchmark Elevation = 8.236 feet, NGVD 29).

¹ Well development performed.

² Laboratory report indicates unidentified hydrocarbons <C16.

³ Laboratory report indicates weathered gasoline C6-C12.

⁴ TPH-D with silica gel cleanup.

⁵ Laboratory report indicates discrete peaks.

⁶ Laboratory report indicates diesel C9-C24 + unidentified hydrocarbons <C16.

⁷ Laboratory report indicates gasoline C6-C12.

⁸ Laboratory report indicates unidentified hydrocarbons C9-C24.

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl-chloride bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using Chevron-designated disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Products Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # CHEVRON 206127 Job#: 386498
 Address: 2301-2337 BLANDING AVE. Date: 7/30/01
 City: ALAMEDA, CA Sampler: FRANKT.

Well ID MW-1 Well Condition: GOOD
 Well Diameter 2" in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)
 Total Depth 17.55 ft. Volume Factor (VF)

2" = 0.17	3" = 0.38	4" = 0.66
6" = 1.50	12" = 5.80	

 Depth to Water 9.15 ft.

8.40 x VF 17 = 1.42 x 3 (case volume) = Estimated Purge Volume: 4.28 (gal.)

Purge Equipment: (Disposable Bailer) Bailer Stack Suction Grundfos Other: _____
 Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other: _____

Starting Time: 3:17 Weather Conditions: SUNNY
 Sampling Time: 3:34 Water Color: CLOUDY / grey Odor: YES
 Purging Flow Rate: N/A gpm Sediment Description: _____
 Did well de-water? NO If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm} \times 1000$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>3:20</u>	<u>1.5</u>	<u>7.47</u>	<u>270</u>	<u>66.7</u>			
<u>3:23</u>	<u>3.0</u>	<u>7.26</u>	<u>268</u>	<u>65.3</u>			
<u>3:26</u>	<u>4.0</u>	<u>7.12</u>	<u>257</u>	<u>64.5</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQ.</u>	<u>TPH/G/BTEX/MTOE</u>
	<u>1X LT. AMBOL</u>	<u>"</u>	<u>NONE</u>	<u>"</u>	<u>TPH-D</u>

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # CHEVRON 206127 Job #: 386498
 Address: 2301-2337 BLANDING AVE. Date: 7/30/01
 City: ALAMEDA, CA Sampler: FRANK T.

Well ID: CS-2 Well Condition: CREEK SAMPLE
 Well Diameter: N/A in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)
 Total Depth: _____ ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66
 Depth to Water: _____ ft. Factor (VF) 6" = 1.50 12" = 5.80
 X VF _____ X 3 (case volume) = Estimated Purge Volume: _____ (gal.)

Purge Equipment: N/A Disposable Bailer Bailer Stack Suction Grundfos Other: _____
 Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other: _____

Starting Time: _____ Weather Conditions: SUNNY
 Sampling Time: 2:55 Water Color: CLEAR Odor: NO
 Purging Flow Rate: _____ gpm Sediment Description: _____
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
	/			/		/	

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>CS-2</u>	<u>3 X VDA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQ.</u>	<u>TPH6/BTEX/MTOE</u>
	<u>1+LT. AMBER</u>	<u> </u>	<u>NONE</u>	<u> </u>	<u>TPH-D</u>

COMMENTS: TOOK CREEK SAMPLE FROM SPECIFIED LOCATION WITH DISPOSABLE BAILER.

Chevron Products Co.
P.O. BOX 6004
San Ramon, CA 94583
FAX (925)842-8370

Chevron Facility Number: FORMER SIGNAL OIL TERM. #206127
 Facility Address: 2301-2337 BLANDING AVE., ALAMEDA, CA
 Consultant Project Number: 386498
 Consultant Name: GETTLER-RYAN INC.
 Address: 6747 SIERRA COURT, SUITE J, DUBLIN, CA 94568
 Project Contact (Name): DEANNA L. HARDING
 (Phone): 925-551-7555 (Fax Number): 925-551-7899

Chevron Contact (Name): MR. TOM BAUHS
 (Phone): (925) 842-8898
 Laboratory Name: SEQUOIA W107534
 Laboratory Service Order: _____
 Laboratory Service Code: _____
 Samples Collected by (Name): FRANK TERLINONI
 Signature: Frank Terlinoni

State Method: CA OR WA NW Series CO UT IDAHO

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time	BTEX/MTBE + TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Organics (8240)	Petroleum Hydrocarbons (8010)	Purgeable Organics (8240)	Extractable Organics (8270)	Oil and Grease (8030)	Metals (ICAP or AA) Cd, Cr, Pb, Zn, Cu	BTEX (8020)	BTEX/MTBE/Nopt. (8020)	TPH - HCD	TPH-D Extended	Remarks
TB-LB	1	W	HEZ	7/30/01	X				01A									*TPH-D WITH SILICA-GOL CLEANUP PLEASE Lab Sample No.
MW-1	4			1534	X	X			02 A-D									
CS-2	4	↓	↓	1455	X	X			03 A-D									

Relinquished By (Signature) <u>Frank Terlinoni</u>	Organization G-R INC.	Date/Time 7/31/01	Received By (Signature)	Organization	Date/Time	Iced Y/N
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)	Organization	Date/Time	Iced Y/N

Turn Around Time (Circle Choice)

24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted



Sequoia
Analytical

RECEIVED

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com

AUG 16 2001

GETTLER-RYAN INC.
GENERAL CONTRACTORS

16 August, 2001

Deanna L. Harding
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Chevron
Sequoia Report: W107534

Enclosed are the results of analyses for samples received by the laboratory on 31-Jul-01 09:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-206127
Project Manager: Deanna L. Harding

Reported:
16-Aug-01 07:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W107534-01	Water	30-Jul-01 00:00	31-Jul-01 09:45
MW-1	W107534-02	Water	30-Jul-01 15:34	31-Jul-01 09:45
CS-2	W107534-03	Water	30-Jul-01 14:55	31-Jul-01 09:45

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Charlie Westwater, Project Manager





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-206127
Project Manager: Deanna L. Harding

Reported:
16-Aug-01 07:31

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-LB (W107534-01) Water Sampled: 30-Jul-01 00:00 Received: 31-Jul-01 09:45									
Purgeable Hydrocarbons	ND	50	ug/l	1	1H03001	03-Aug-01	03-Aug-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		115 %	70-130		"	"	"	"	
MW-1 (W107534-02) Water Sampled: 30-Jul-01 15:34 Received: 31-Jul-01 09:45									
Purgeable Hydrocarbons	2000	500	ug/l	10	1H03001	03-Aug-01	03-Aug-01	EPA 8015M/8020	P-01
Benzene	730	5.0	"	"	"	"	"	"	
Toluene	13	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		102 %	70-130		"	"	"	"	
CS-2 (W107534-03) Water Sampled: 30-Jul-01 14:55 Received: 31-Jul-01 09:45									
Purgeable Hydrocarbons	ND	50	ug/l	1	1H03001	03-Aug-01	03-Aug-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		102 %	70-130		"	"	"	"	





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-206127
Project Manager: Deanna L. Harding

Reported:
16-Aug-01 07:31

**Diesel Hydrocarbons (C9-C24) with Silica Gel Cleanup by DHS LUFT
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W107534-02) Water Sampled: 30-Jul-01 15:34 Received: 31-Jul-01 09:45									
Diesel Range Hydrocarbons	550	56	ug/l	1	1H09005	09-Aug-01	14-Aug-01	EPA 8015M	D-14
Surrogate: n-Pentacosane		59.2 %	50-150		"	"	"	"	
CS-2 (W107534-03) Water Sampled: 30-Jul-01 14:55 Received: 31-Jul-01 09:45									
Diesel Range Hydrocarbons	140	50	ug/l	1	1H09005	09-Aug-01	14-Aug-01	EPA 8015M	D-06
Surrogate: n-Pentacosane		94.0 %	50-150		"	"	"	"	





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-206127
Project Manager: Deanna L. Harding

Reported:
16-Aug-01 07:31

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1H03001 - EPA 5030B P/T										
Blank (1H03001-BLK1) Prepared & Analyzed: 03-Aug-01										
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether (MTBE)	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	36.4		"	30.0		121	70-130			
Blank (1H03001-BLK2) Prepared & Analyzed: 04-Aug-01										
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether (MTBE)	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	33.2		"	30.0		111	70-130			
Blank (1H03001-BLK3) Prepared & Analyzed: 07-Aug-01										
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether (MTBE)	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	29.4		"	30.0		98.0	70-130			
Blank (1H03001-BLK4) Prepared & Analyzed: 10-Aug-01										
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether (MTBE)	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	29.2		"	30.0		97.3	70-130			





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-206127
Project Manager: Deanna L. Harding

Reported:
16-Aug-01 07:31

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1H03001 - EPA 5030B P/T										
LCS (1H03001-BS1) Prepared & Analyzed: 03-Aug-01										
Benzene	19.9	0.50	ug/l	20.0		99.5	70-130			
Toluene	19.3	0.50	"	20.0		96.5	70-130			
Ethylbenzene	19.5	0.50	"	20.0		97.5	70-130			
Xylenes (total)	55.1	0.50	"	60.0		91.8	70-130			
Surrogate: a,a,a-Trifluorotoluene	25.9		"	30.0		86.3	70-130			
LCS (1H03001-BS2) Prepared & Analyzed: 04-Aug-01										
Benzene	19.6	0.50	ug/l	20.0		98.0	70-130			
Toluene	19.6	0.50	"	20.0		98.0	70-130			
Ethylbenzene	19.9	0.50	"	20.0		99.5	70-130			
Xylenes (total)	55.1	0.50	"	60.0		91.8	70-130			
Surrogate: a,a,a-Trifluorotoluene	30.1		"	30.0		100	70-130			
LCS (1H03001-BS3) Prepared & Analyzed: 07-Aug-01										
Benzene	17.6	0.50	ug/l	20.0		88.0	70-130			
Toluene	18.8	0.50	"	20.0		94.0	70-130			
Ethylbenzene	19.5	0.50	"	20.0		97.5	70-130			
Xylenes (total)	58.5	0.50	"	60.0		97.5	70-130			
Surrogate: a,a,a-Trifluorotoluene	31.2		"	30.0		104	70-130			
LCS (1H03001-BS4) Prepared & Analyzed: 10-Aug-01										
Benzene	17.7	0.50	ug/l	20.0		88.5	70-130			
Toluene	18.6	0.50	"	20.0		93.0	70-130			
Ethylbenzene	19.6	0.50	"	20.0		98.0	70-130			
Xylenes (total)	60.1	0.50	"	60.0		100	70-130			
Surrogate: a,a,a-Trifluorotoluene	28.5		"	30.0		95.0	70-130			
Matrix Spike (1H03001-MS1) Source: W107532-02 Prepared & Analyzed: 03-Aug-01										
Benzene	21.5	0.50	ug/l	20.0	ND	108	70-130			
Toluene	20.7	0.50	"	20.0	ND	104	70-130			
Ethylbenzene	21.6	0.50	"	20.0	ND	108	70-130			
Xylenes (total)	59.4	0.50	"	60.0	ND	99.0	70-130			
Surrogate: a,a,a-Trifluorotoluene	31.1		"	30.0		104	70-130			





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-206127
Project Manager: Deanna L. Harding

Reported:
16-Aug-01 07:31

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1H03001 - EPA 5030B P/T

Matrix Spike Dup (1H03001-MSD1)

Source: W107532-02

Prepared & Analyzed: 03-Aug-01

Benzene	20.9	0.50	ug/l	20.0	ND	104	70-130	2.83	20	
Toluene	20.3	0.50	"	20.0	ND	102	70-130	1.95	20	
Ethylbenzene	20.6	0.50	"	20.0	ND	103	70-130	4.74	20	
Xylenes (total)	57.4	0.50	"	60.0	ND	95.7	70-130	3.42	20	
Surrogate: <i>a,a,a-Trifluorotoluene</i>	27.2		"	30.0		90.7	70-130			

SEP 28 2001





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-206127
Project Manager: Deanna L. Harding

Reported:
16-Aug-01 07:31

**Diesel Hydrocarbons (C9-C24) with Silica Gel Cleanup by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1H09005 - EPA 3510B									
Blank (1H09005-BLK1)									
Prepared & Analyzed: 09-Aug-01									
Diesel Range Hydrocarbons	ND	50	ug/l						
Surrogate: n-Pentacosane	26.0		"	33.3		78.1 50-150			
LCS (1H09005-BS1)									
Prepared & Analyzed: 09-Aug-01									
Diesel Range Hydrocarbons	404	50	ug/l	500		80.8 50-125			
Surrogate: n-Pentacosane	25.0		"	33.3		75.1 50-150			
LCS Dup (1H09005-BSD1)									
Prepared & Analyzed: 09-Aug-01									
Diesel Range Hydrocarbons	295	50	ug/l	500		59.0 50-125	31.2	50	
Surrogate: n-Pentacosane	25.7		"	33.3		77.2 50-150			





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 9-206127
Project Manager: Deanna L. Harding

Reported:
16-Aug-01 07:31

Notes and Definitions

D-06 Discrete peaks.
D-14 Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
P-01 Chromatogram Pattern: Gasoline C6-C12
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

SEP 28 2001

