

# GETTLER-RYAN INC.

## TRANSMITTAL

JUN 1 3 2001 June 13, 2001 6-R #: 386521

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:

**Former Chevron Service Station** 

# 20-9339

5940 College Avenue Oakland, California

/ JUL 1 7 2001

#### WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	June 5, 2001	Groundwater Monitoring and Sampling Report Second Quarter - Event of April 25, 2001

#### COMMENTS:

Enclosed are copies of the above referenced report for your review and distribution to the following:

Mr. Larry Seto, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to *June 27, 2001*, at which time the final report will be distributed to the following:

Mr. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670

**Enclosures** 

trans/20-9339-TB

June 5, 2001 G-R Job # 386521

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

RE:

Second Quarter Event of April 25, 2001 Groundwater Monitoring & Sampling Report Former Chevron Service Station #20-9339 5940 College Avenue

5940 College Avenue Oakland, 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). A joint monitoring event was conducted with Sheaff's Garage located at 5930 College Avenue, Oakland, California.

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

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

No. 5577

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

Sincerely,

Deanna L. Harding Project Coordinator

Stephen J. Carter

Senior Geologist, R.G. No. 5577

Figure 1:

Potentiometric Map

Table 1: Table 2: Groundwater Monitoring Data and Analytical Results Groundwater Analytical Results - Oxygenate Compounds

Table 3:

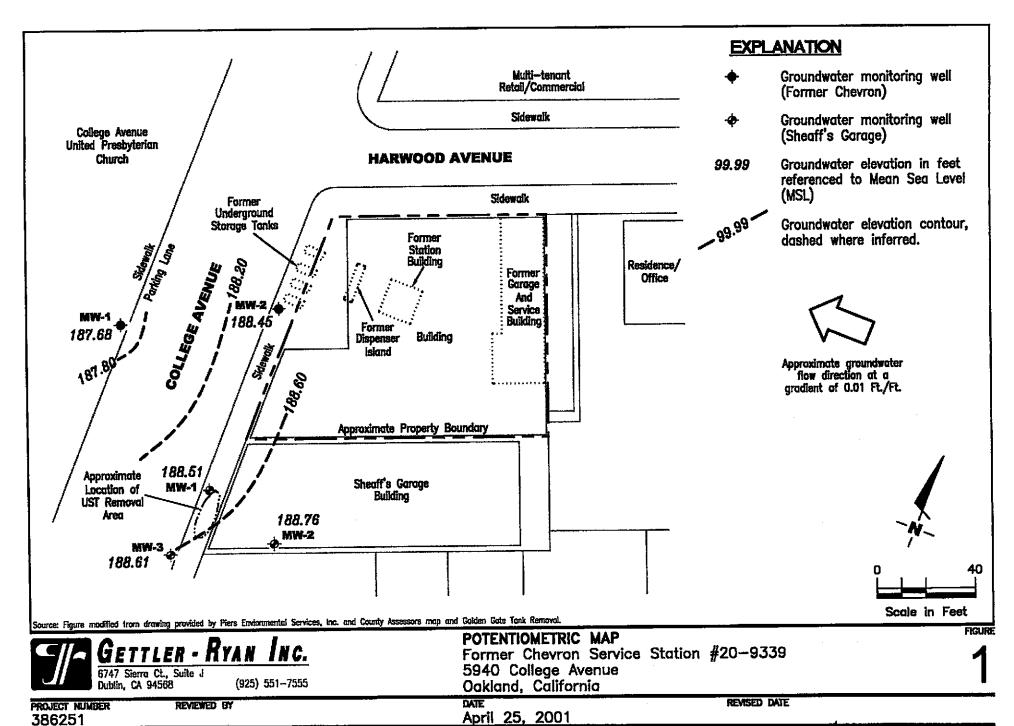
Groundwater Analytical Results

Table 4:

Joint Groundwater Monitoring Data and Analytical Results Standard Operating Procedure - Groundwater Sampling

Attachments: Standard Operation
Field Data Sheets

Chain of Custody Document and Laboratory Analytical Reports



FILE NAME: P:\Enviro\Chevron\20-9339\Q01-20-9339.DWG | Loyout Tob: Pot2

Table 1
Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #20-9339 5940 College Avenue Oakland, California

WELL ID/	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1	01/03/01	12.75	184.16	930¹	2.9	6.9	2.7	7.6	14/<2.0 <sup>3</sup>
196.91	04/25/01	9.23	187.68	2104	2.0	1.5	2.0	3.3	5.3/<2.0 <sup>3</sup>
MW-2			104.05	2,100 <sup>2</sup>	110	11	63	25	83/2.2 <sup>3</sup>
197.35	01/03/01 <b>04/25/01</b>	12.48 <b>8.90</b>	184.87 1 <b>88.4</b> 5	1,700 <sup>4</sup>	150	12	30	15	150/<2.0 <sup>3</sup>
TRIP BLANK				.eo	<0.50	<0.50	<0.50	<0.50	<2.5
TB-LB	01/03/01 <b>04/25/01</b>			<50 < <b>50</b>	<0.50	<0.50	<0.50	<0.50	<2.5

#### Table 1

#### **Groundwater Monitoring Data and Analytical Results**

Former Chevron Service Station #20-9339 5940 College Avenue Oakland, California

#### **EXPLANATIONS:**

TOC = Top of Casing

B = Benzene

(ppb) = Parts per billion

DTW = Depth to Water

T = Toluene

-- = Not Measured/Not Analyzed

(ft.) = Feet

E = Ethylbenzene

GWE = Groundwater Elevation

X = Xylenes

(msl) = Mean sea level

MTBE = Methyl tertiary butyl ether

TPH-G = Total Petroleum Hydrocarbons as Gasoline

- \* TOC elevations were surveyed on December 27, 2000, by Virgil Chavez Land Surveying. The benchmark used for the survey was a City of Oakland benchmark being a cut square in the top of curb, at the curb return at the northeast corner of College Avenue and Miles Avenue, (Benchmark Elev. = 179.075 feet, msl).
- Laboratory report indicates unidentified hydrocarbons C6-C12.
- <sup>2</sup> Laboratory report indicates gasoline C6-C12.
- 3 MTBE by EPA Method 8260.
- <sup>4</sup> Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons <C6.

Table 2

### **Groundwater Analytical Results - Oxygenate Compounds**

Former Chevron Service Station #20-9339 5940 College Avenue Oakland, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)
MW-I	01/03/01 <b>04/25/01</b>	<500 	<50 <b>&lt;20</b>	<2.0 <2.0	<2.0 <2.0	<2.0 <2.0	<2.0 < <b>2.0</b>	<2.0 
MW-2	01/03/01 04/25/01	<500 	<50 < <b>20</b>	2.2 < <b>2.0</b>	<2.0 <2.0	<2.0 < <b>2.0</b>	<2.0 < <b>2.0</b>	<2.0

#### **EXPLANATIONS:**

TBA = Tertiary butyl alcohol

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary butyl ether

TAME = Tertiary amyl methyl ether

1,2-DCA = 1,2-Dichloroethane

(ppb) = Parts per billion

-- = Not Analyzed

#### **ANALYTICAL METHOD:**

EPA Method 8260 for Oxygenate Compounds

#### Table 3

## **Groundwater Analytical Results**

Former Chevron Service Station #20-9339 5940 College Avenue Oakland, California

WELLID	DATE	FERROUS IRON (ppm)	TOTAL ALKALINITY (ppm)	SULFATE AS SO <sub>4</sub> (ppm)
MW-1	04/25/01	0.15	380	11
MW-2	04/25/01	0.093	680	21

#### **EXPLANATIONS:**

(ppm) = Parts per million

### ANALYTICAL METHODS:

EPA Method 6010 for Ferrous Iron EPA Method 310.1 for Total Alkalinity EPA Method 300.0 for Sulfate as SO<sub>4</sub>

## Table 4 Joint Groundwater Monitoring Data and Analytical Results

Sheaff's Garage 5930 College Avenue Oakland, California

WELL ID/	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (pph)
MW-1 195.90	04/25/01 <sup>†</sup>	7.39	188.51	u=	. <b></b>				
MW-2 197.28	04/25/011	8.52	188.76		<del></del>	••		••	
MW-3 195.22	04/25/01 <sup>1</sup>	6.61	188.61			<del>-</del>			

#### **EXPLANATIONS:**

TOC = Top of Casing

DTW = Depth to Water

(ft.) = Feet

GWE = Groundwater Elevation

(msl) = Mean sea level

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

<sup>\*</sup> TOC elevations were surveyed on April 26, 2001, by Virgil Chavez Land Surveying. The benchmark for the survey was a City of Oakland benchmark being a cut square in the top of curb, at the curb return at the northeast corner of College Avenue and Miles Avenue, (Benchmark Elevation = 179.075 feet, msl).

Joint monitoring laboratory analytical results were not provided by Golden Gate Tank Removal, Inc.

## 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.

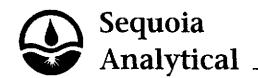
## WELL MONITORING/SAMPLING FIELD DATA SHEET

Sampling   CHEVRON   CHEVRON   COGRE   CHEVRON   COGRE   CHEVRON   COGRE   CHEVRON   COGRE   CHEVRON   COGRE   CHEVRON   CHE			FIELD DA	TA SHEET			
Date:   Date	ent/ CHE	NRON	• • • • • • • • • • • • • • • • • • • •		38625		
Marting   Mart	cility #			Job#:			
Well ID   MW-I   Well Condition:   GOOD   (NEW WELL)    Well Diameter   Diame	Idrose 59	40 COLLEGE	AVE.	Date:			
Well ID MU-1 Well Condition: GOOD (NEW WELL)  Vell Diameter JI In. Hydrocarbon Thickness: In. Amount Balled (product/water): In. In. Hydrocarbon Thickness: In.	2041	•		Sampler:	FRANK	<u> </u>	
Well ID MW-1  Well Condition:  Well Condition:  Well Condition:  Well Condition:  Well Condition:  Well Condition:  Hydrocarbon Thickness:  In Hydrocarbon In Hydrocarbon Thickness:  In Hydrocarbon In In Hydrocarbon In Inchness:  In Hydrocarbon In In Inchness:  In Hydrocarbon In Inchness:  In In Inchness:  In Inchness:  In Inchness:  In Inchness:  In Inchne	ty:						
Well Diameter    Sell Diameter					6000 (N	EW WE	LL)
Action   Disposable Bailer   Disposable Bail	Well ID .	MW-1	Well Con	dition: ———	<del>,, , , , , , , , , , , , , , , , , , ,</del>	_	
Thickness:  Thickness:  Volume Purge  (Disposable Bailer) Stack Suction Grundfos Other:  Starting Time:  Purging Flow Rate:  Did well de-water?  Volume  (gal.)  Sampling  Time:  Volume  Purging Flow Rate:  Did well de-water?  Volume  (gal.)  Sampling  Time:  Volume  PH  Conductivity Jambosien X100  Soy  Soy  Soy  Soy  Soy  Soy  Soy  S	all Diameter	<u>ے"</u>	Hydrocar	bon 🚓 :	Amount Baile	<u> </u>	للحوا
Purge (Disposable Bailer)  Purge (Disposable Bailer)  Sampling Equipment: Bailer Stack Suction Grundfos Other:  Starting Time: 7:57  Purging Flow Rate: — gem.  Did well de-water?  Wourse PH Conductivity Temperature (mg/L) (mV) (pp. 43:05 4.0 7.16 50.4 61.4	Ell Digitieson	20.10		\$ <u></u>	3" = 0.38	<b>4"</b>	0.66
Purge (Disposable Bailer) Sampling Equipment: Bailer Stack Suction Grundfos Other: Other: Sampling Time: 7:57 Weather Conditions: SUNDY  Purging Flow Rate: Purging Flow Rate: Purging Flow Rate: No If yes; Time: Volume: Water Color: CLEAL Odor: SLIGHT  These Volume (gal.) Conductivity Temperature (gal.) (my) (pr. 20.05 4.0 7.16 504 61.4 61.4 61.4 504.4 61.4 500.4 These Pressers Laboratory Refrig. Pressers. The Conductivity Temperature (gal.) Sold Go. 7.31 5112 61.4 504. 504. 504. 504. 504. 504. 504. 50	tal Depth		,	**	6" = 1.50 <sup>11</sup>	2" = 5.80	
Purge (Disposable Bailer) Sampling Equipment: Bailer Stack Pressure Bailer Stack Pressure Bailer Stack Pressure Bailer Grandfos Other: Other: Other:  Starting Time: 7:57 Weather Conditions: SUNNY Sampling Time: 8:17 Water Color: CLEAL Odor: SLIGHT Purging Flow Rate: Purging Flow Rate: No If yes; Time: Volume: If yes; Time: If yes;	epth to Water	9.23 **	T				
Purge (Disposable Bailer) Stack Suction Grundfos Other:  Starting Time: 7:57 Weather Conditions: SUNDY  Sampling Time: 8:17 Water Color: CLEAR Odor: SLIGHT  Purging Flow Rate: No If yes; Time: Volume: If yes; Time: Volume: If yes; Time: D.O. ORP (mg/L) (mV) (pp. 4):05 4.0 7.46 504 (0.9 4):05 4.0 7.31 5110 61.4 504 (0.9 4):05 5110 61.4	•		ro- i	84 v a (casa volu	rne) = Estimated Purg	• Volume: _S	.54 <sub>(gel.)</sub>
Purge (Disposable Baller Stack Baller Stack Suction Grundfos Other:  Starting Time: 7:57 Weather Conditions: SUNNY  Sampling Time: 8:17 Water Color: CLEAR Odor: SLIGHT  Purging Flow Rate: 9 Water Color: CLEAR Odor: SLIGHT  Time Volume pH Conductivity Temperature (gal.) (gal.) (mV) (pp. 48:01 2.0 7.38 550 (ol.) (ol.) (myl.) (pp. 48:09 6.0 7.31 5110 61.4 520.4 61.4 61.4 61.4 61.4 61.4 61.4 61.4 61	•	10.87 x VF	<u>-11</u> =2		•		
Stack Pressure Bailer Pressure Bailer Stack Suction Grab Sample Other:  Starting Time: 7:57 Weather Conditions: SUNNY  Starting Time: 8:17 Water Color: CLE Art Odor: SLIGHT  Sampling Time: 8:17 Water Color: CLE Art Odor: SLIGHT  Purging Flow Rate:	Purge (	Disposable Bailer )		Sampling Foutpment:	(Disposable Baile	n) .	•
Suction   Grab Sample	-	Bailer '	•	Edmb	Bailer		
Starting Time: 7:57 Weather Conditions: SUNNY  Sampling Time: 8:17 Water Color: CLEAR Odor: SLIGHT  Purging Flow Rate: gpm. Sediment Description: Volume: If yes; Time: Volume: D.O. ORP Alicalization (gal.)  Time Volume pH Conductivity Temperature D.O. ORP Alicalization (gal.)  8:01					Grab Sample		
Starting Time: 7:57 Weather Conditions: SUNDY  Sampling Time: 8:17 Water Color: C.L.E.Ar. Odor: SLIGHT  Purging Flow Rate:	•			Ot	her:	*	
Starting Time: 7:57  Sampling Time: 8:17  Sempling Time: 8:17  Water Color: CLEAR Odor: SCIGHT  Sediment Description:  If yes; Time: Volume: D.O. ORP Alkalic (gal.)  Sediment Description:  Frame Volume pH Conductivity Temperature (mg/L) (mv) (pp. 100 % F (mg/L) (mv) (mv) (mv) (pp. 100 % F (mg/L) (mv) (mv) (mv) (pp. 100 % F (mg/L) (mv) (mv) (mv) (mv) (mv) (mv) (mv) (mv		Other:					·
Sampling Time:  Purging Flow Rate:  Did well de-water?  Did well de-water?  Time  Volume  (gal.)  Pif yes; Time:  Conductivity  Temperature  (gal.)  Piggl.)  Sediment Description:  Fyes; Time:  Conductivity  Temperature  (mg/l.)  (mv)  (pp.  4.0  7.16  504  61.4  SAMPLE ID  (#) - CONTAINER  REFRIG.  PRESERV. TYPE:  LABORATORY  LABORATORY  LABORATORY  HOL  SEQUEIA  TPHG BTEX /M 101  SULFATE   FEMIL  1.500 ML.  1.500 ML.  1.500 ML.  TROW ACKALING		7:57	We	eather Conditions:		SL1 - SL1	leHT.
Purging Flow Rate:				#(b) Co:0:		Udor:	<u> </u>
Did well de-water?			<sub>o.</sub> Se	ediment Description	on: Volume	•	(gel.)
Time Volume pH Conductivity Temperature D.O. ORP Alkaling (gal.) pH (myl.) (myl.) (myl.) (pp. 4.0) 2.0 7.28 550 61.1  8:01 2.0 7.28 550 61.1  8:09 6.0 7.16 504 61.4  SAMPLE ID (8) - CONTAINER REFRIG. PRESERV. TYPE: LABORATORY ANALYSES  MW-1 3 x VDA VIAL Y HCL SEQUELA TPHG BTEX / MTO.  1:500 ML DONE TROW ALKALING		. 1 .	_ If	yes; Time:	VOIGITIE	··	
Sigl 2.0 7.38 550 61.1  Sigl 2.0 7.16 504 609  Sigl 6.0 7.16 504 609  Sigl 6.0 7.16 504 61.4   LABORATORY INFORMATION  SAMPLE ID (8) - CONTAINER REFRIG. PRESERV. TYPE: LABORATORY ANALYSES  MW-1 3 x VDA VIAL Y HCL SEQUEIA TPHG   BTEX   MT01  NW-1 3 x VDA VIAL Y HCL SEQUEIA TPHG   BTEX   MT01  1-500 ML. " DDNE "TROW] ACKALIDA			<b></b>	Tempen			Alicalinity (ppm)
8:01 2.0 7.16 504 609 8:09 6.0 7.31 5110 61.4  SAMPLE ID (8) - CONTAINER REFRIG. PRESERV. TYPE: LABORATORY ANALYSES  MW-1 3 x VDA VIAL Y HCL SEQUEIA TPHG BTEX MTOS  1.500 ML. " DONE " TROW ALKALIDA	2.200		Conduc	vica KIDD of	· (mgr)	(mr.v.)	
SAMPLE ID (#) - CONTAINER REFRIG. PRESERV. TYPE: LABORATORY ANALYSES  MW-1 3 × VOR VIAL Y HCL SEQUELA TRUE SELFATE FEM  1.500 ML. " PONE " TROW ACKALING	_	-	55			<del></del>	
SAMPLE ID (8) - CONTAINER REFRIG. PRESERV. TYPE: LABORATORY ANALYSES  NW-1 3 x voa vial Y Hel SEQUAL SULFATE FEM  1-500 ML. " NONE TROW ACKALING				24	9	<u>`</u>	
LABORATORY INFORMATION  SAMPLE ID (#) - CONTAINER REFRIG. PRESERV. TYPE: LABORATORY ANALYSES  MW-1 3 × VOR VIAL Y HCL SEQUEIA TPHG/8TEX/MT08  1.500 ML. " PONE " TROW ACKALING				Le	· <u>T</u>		
SAMPLE ID (4) - CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES  MW-1 3 × VDA VIAL Y HCL SEQUEIA TPHG BTEX /M TOIL  1.500 ML. " DONE TROW ACKALINI							
SAMPLE ID (4) - CONTAINER REFRIG. PRESERV. TYPE: LABORATORY ANALYSES  MW-1 3 × VDA VIAL Y HCL SEQUEIA TPHG BTEX /MT01  1.500 ML. " DONE TROW ACKALINI							
SAMPLE ID (8) - CONTAINER REFRIG. PRESERV. TYPE: LABORATOR  MW-1 3 x VDA VIAL Y HOL SEQUELA TPHG BTEX /MTOS  1.500 ML. " NONE " TROW ACKACING							
SAMPLE ID (8) - CONTAINER REFRIG. PRESERV. THE SEQUELA TPHG BTEX M TO SULFATE   FEM.  1.500 ML. " DONE " TROW ACKALING	•			TORY INFORMA	TION LABORATORY	ANAL	YSES
MW-1 3 × VOA VIAL Y HEE " SULFATE   FEW I TROW ALKALING	SAMPLE ID	(#) - CONTAINER				TPHE BTE	MIDE
TROW ACKACION	MW-1	3 x VDA VIAL					
PLACTIC		<del></del>	<del>  </del>	2010		TROW ALI	CALIDITY
	l .	PLACTIC	<del> </del>		·	<u> </u>	
			<u> </u>		- ·		
COMMENTS:							

## WELL MONITORING/SAMPLING FIELD DATA SHEET

4		LIELD DATE	,		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	evron 209 339		Job#:	3862	<u> </u>
	940 COLLEGE	AUE.	Date:	4-25	-01
.55.000.			•	FRANI	c T
AO : vtiC	KLAND, CA		Sample		
			,	6000 /	NEW WELL)
Well ID	MW-2	Well Conditi	on:		
Well Diameter	<u>a"</u>	Hydrocarbor Thickness:		Amount Bai	
Total Depth	20.06 #	Volume	2" = 0.17	3" = 0.38	
Depth to Water	8.90 4	Factor (VF)		6" = 1.50	12" = 5.80
Debai to sailei	•				5.69
•	. 11.16 x VF	-17: -7:8	A x a (cese v	olume) = Estimated Pu	rge Volume: 5.69 (gal.)
Purge	(Disposable Bailer )		Sampling	(Disposable Bai	ller \
Equipment:	Bailer	•	Equipment:	Baller	·
	Stack Suction			Pressure Baile	f
	Grundfos		,	Grab Sample Other:	<u>.</u>
	Other:			/URA	
	8:39	Weath	er Condition	s: <u>SU</u> 1	אטע
Starting Time:	8:57	West	Color: S	LEAR	Odor: UES
Sampling Time:			ent Descript		
	nte:gpm.		; Time:		ie:
Did well de-wat	or:	ii 1441	•	,	ATILITIES
Time	Volume pH (gal.)	Conductivity  pmhos/cm	X100 9	(mg/L)	ORP Alkalinity (mV) (ppm)
8:43	2.0 7.04	789	60	.8	
8:47	4.0 7.00	796		.2	
8:51	6.0 7.15	798	<u></u>		· · · · · · · · · · · · · · · · · · ·
			<del></del>		
		LABORATOF	RY INFORMA SERV. TYPE:	NOIT! LABORATORY	ANALYSES
SAMPLE ID	1=1 001111111		1cc	SEQUOIA	TPHE BTEX /MTOE
MW-2	3 × VDA VIAL		١٥١٥٤	11	SULFATE/FERMAS
	PLASTIC				IND ALKAUNITY
	FLASIIC				
<u> </u>					
COMMENTS:					
		<u></u>			

Cheuren Contact (Herne) MR. TOM BAUHS Chorren Facility Marker 209339
Footily Address 5940 College Ave., Oakland CA (Phone) (925) 842-8898 Laboratory Name SEQUOIA Consultant Project Humber 386351 levron Products Co. Laboratory Service Order O. BOX 6004 ter Herne \_ GETTLER-RYAN INC. 6747 SIERRA COURT, SUITE J, DUBLIN, CA 94568 FRANK TERRINONI Loberstary Service Code n Ramon, CA 94583 Samples Callected by (Name) X (925)842-8370 Project Contact (Norms) DEANNA L. HARDING (Phone) 925-551-7555 (Feet Number) 925-551-7899 CO UT IDAHO Remerks State Method: 12 CA OR WA NW Series & PLEASE FILTER 3 FERLINS IRON 37 ğ. **2**6 MET + 1714 CAS (8020 + 8015) CLOS PASSAN ASAP! (8270) **∢**∪ (OF 22) Lab Sample Nó. RUN 5 Oxys by 4.25-01 73-LB 8260 ON A-02 8:17 ALL MIBE AW-1 03 8:57 POLO HITS ヘルトン Turn Around Time (Circle Chelce) teed Y/N Dele/Ilmo Oreantzellen Received By (Signature) Organization Date/Time ploked By (Signolare) 24 Hrs. G-R INC. 42601 48 Hrs. Dale/Thine lood Y/N Organization Received By (Signoture) Date/Time Organization 5 Days 10 Dogked Y/N Reclaved for Laboratory By (Signature) Date/Time As Contracted Dele/Time Organization Rollinguished By (Signature) Romalde vensen 4126-101



10 May, 2001

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

RE: Chevron Sequoia Report W104540

Enclosed are the results of analyses for samples received by the laboratory on 26-Apr-01 09:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater Project Manager

CA ELAP Certificate #1271



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

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

Project Number: Chevron # 209339

Project Manager: Deanna L. Harding

**Reported:** 10-May-01 17:08

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W104540-01	Water	25-Apr-01 00:00	26-Apr-01 09:10
MW-1	W104540-02	Water	25-Apr-01 08:17	26-Apr-01 09:10
MW-2	W104540-03	Water	25-Apr-01 08:57	26-Apr-01 09:10

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

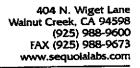


6747 Sierra Court Suite J Dublin CA, 94568 Project: Chevron

Project Number: Chevron # 209339 Project Manager: Deanna L. Harding Reported: 10-May-01 17:08

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

	Re	porting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-LB (W104540-01) Water	Sampled: 25-Apr-01 00:00	Receive	d: 26-Ap	r-01 09:10	)				
Purgeable Hydrocarbons	ND	50	ug/i	1	1E01001	02-May-01	03-May-01	EPA 8015M/8020	
Benzene	· ND	0.50	#	11		17	H	H	
Toluene	ND	0.50	н	π	H			TT .	
Ethylbenzene	ND	0.50	**	11		**	h.	**	
Xylenes (total)	ND	0.50		11	n	H	-		
Methyl tert-butyl ether	ND	2.5	11	11		•	H	10	CC-3
Surrogate: a,a,a-Trifluorotolue	ne	94.3 %	70-	130	"	"	"	"	
MW-1 (W104540-02) Water	Sampled: 25-Apr-01 08:17	Receive	d: 26-Ap	г-01 09:10			•		
Purgeable Hydrocarbons	210	50	ug/l	1	1E01001	02-May-01	03-May-01	EPA 8015M/8020	P-02
Benz <b>e</b> ne	2.0	0.50	11	**	11	11	*	10	
Toluene	1.5	0.50	**		"	11	м	10	
Ethylbenzene	2.0	0.50	ч	,,		11	*	17	
Xylenes (total)	3.3	0.50	#		н	H	n	H	
Methyl tert-butyl ether	5.3	2.5	"	7	н	*	,,		CC-3
Surrogate: a,a,a-Trifluorotolue	ne	89.0 %	70-	130	n	pr	п	и	
MW-2 (W104540-03) Water	Sampled: 25-Apr-01 08:57	Receive	d: 26-Ap	r-01 09:10	1				
Purgeable Hydrocarbons	1700	500	ug/l	10	1E01001	04-May-01	04-May-01	EPA 8015M/8020	P-02
Benzene	150	5.0	₩.	r	**	27	**	11	
Toluene	12	5.0	#	#	#	11	11	H	
Ethylbenzene	30	5.0	**	"	"	**	#1	**	
Xylenes (total)	15	5.0		tt	**	11	11	н	
Methyl tert-butyl ether	150	25	**	lf .	17	н	Ħ	n	CC-3
Surrogate: a,a,a-Trifluorotolue	ne	103 %	70-	130	tr	"	"	,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,	





Project: Chevron

6747 Sierra Court Suite J Dublin CA, 94568 Project Number: Chevron # 209339 Project Manager: Deanna L. Harding Reported: 10-May-01 17:08

## Total Metals by EPA 6000/7000 Series Methods

## Sequoia Analytical - Walnut Creek

Analyte	Result	Leporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W104540-02) Water	Sampled: 25-Apr-01 08:17	Receive	d: 26-Ap	r-01 09:10					_ <del></del>
Ferrous Iron	0.15	0.050	mg/l	1	1E01012	01-May-01	08-May-01	EPA 6010A	
MW-2 (W104540-03) Water	Sampled: 25-Apr-01 08:57	Receive	d: 26-Ap	r-01 09:10					
Ferrous Iron	0.093	0.050	mg/l	i	1E01012	01-May-01	08-May-01	EPA 6010A	



6747 Sierra Court Suite J Dublin CA, 94568 Project: Chevron

Project Number: Chevron # 209339 Project Manager: Deanna L. Harding Reported: 10-May-01 17:08

## Volatile Organic Compounds by EPA Method 8260B Sequoia Analytical - Walnut Creek

Analyte	Result	Leporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W104540-02) Water	Sampled: 25-Apr-01 08:17	Receive	d: 26-Apr-	01 09:10					
tert-Butyl alcohol	ND	20	ug/l	1	1E09014	09-May-01	09-May-01	EPA 8260B	
Methyl tert-butyl ether	ND	2.0	11			"	"	n	
Di-isopropyl ether	ND	2.0	11	b	Ħ	17	vi	H	
Ethyl tert-butyl ether	ND	2.0	11	и	Ħ	11	91	h	
tert-Amyl methyl ether	ND	2.0		"	"	п	**	H.	
Surrogate: Dibromofluorometh	ane	89.8 %	50-15	0	,,	"	"	п	
Surrogate: 1,2-Dichloroethane-	-d4	93.6%	50-15	0	"	m	#	n	
MW-2 (W104540-03) Water	Sampled: 25-Apr-01 08:57	Receive	d: 26-Apr-	01 <b>0</b> 9:10					
tert-Butyl alcohol	ND	20	ug/l	1	1E09014	09-May-01	09-May-01	EPA 8260B	* 1.1
Methyl tert-butyl ether	ND	2.0	"	н	*	n T	,,*	п	
Di-isopropyl ether	ND	2.0	"	"	n	n	н	TI .	
Ethyl tert-butyl ether	ND	2.0	n	н	*	11	11	•	
tert-Amyl methyl ether	ND	2.0	n	н	*	11	11		
Surrogate: Dibromofluorometh	ane	89.2 %	50-15	0		"		"	<del></del>
Surrogate: 1,2-Dichloroethane-	-d4	83.4 %	50-15	10	"	•	"	"	





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

Dublin CA, 94568

Project: Chevron

Project Number: Chevron # 209339 Project Manager: Deanna L. Harding Reported:

10-May-01 17:08

## Conventional Chemistry Parameters by APHA/EPA Methods Sequoia Analytical - Walnut Creek

	-		-						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W104540-02) Water	Sampled: 25-Apr-01 08:1	7 Receive	d: 26-Aj	r-01 09:10					
<b>Fotal Alkalinity</b>	380	11	mg/l	10	1D30011	30-Apr-01	30-Apr-01	EPA 310.1	
MW-2 (W104540-03) Water	Sampled: 25-Apr-01 08:5	7 Receive	d: 26-A)	r-01 09:10					
Total Alkalinity	680	11	mg/l	10	1D30011	30-Apr-01	30-Apr-01	EPA 310.1	



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Dublin CA, 94568

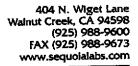
Project: Chevron

Project Number: Chevron # 209339 Project Manager: Deanna L. Harding Reported: 10-May-01 17:08

Anions by EPA Method 300.0

## Sequoia Analytical - Walnut Creek

	]	Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W104540-02) Water	Sampled: 25-Apr-01 08:11	7 Receive	d: 26-Ap	or-01 09:10					
Sulfate as SO4	11	0.20	mg/l	2	1E04022	03-May-01	03-May-01	EPA 300.0	
MW-2 (W104540-03) Water	Sampled: 25-Apr-01 08:57	7 Receive	d: 26-A)	or-01 09:10					
Sulfate as SO4	21	0.20	mg/l	2	1E04022	03-May-01	03-May-01	EPA 300.0	



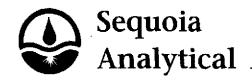


Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568 Project: Chevron

Project Number: Chevron # 209339 Project Manager: Deanna L. Harding Reported: 10-May-01 17:08

# 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 1E01001 - EPA 5030B P/T	<u></u>					······				
Blank (1E01001-BLK1)				Prepared	& Analyz	ed: 01-Ma	ıy-01			
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	11							
Foluene	ND	0.50	"							-
Ethylbenzene	ND	0.50	11							
Xylenes (total)	ND	0.50	Ħ							
Methyl text-butyl ether	ND	2.5	н							
Surrogate: a,a,a-Trifluorotoluene	29.9		**	30.0		99.7	70-130			
-				Prepared	& Analyz	zed: 02-M	ay-01			
Blank (1E01001-BLK2) Purgeable Hydrocarbons	ND	50	ug/l							
- ·	ND	0.50	11							
Benzene Toluene	ND	0.50		•						
	ND	0.50	11							
Ethylbenzene Xylenes (total)	ND	0.50	н .							
Methyl tert-butyl ether	ND	2.5	**							
Surrogate: a,a,a-Trifluorotoluene	29.9		н	30.0		99.7	70-130			
-	20.0			Desnava	l & Anglis	zed: 03-M	[av-01			
Blank (1E01001-BLK3)				Fiehater	1 oc Allary	2001. 05 112				
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	ND	2.5								
Surrogate: a,a,a-Trifluorotoluene	28.5		,,,	30.0		95.0	70-130			
Blank (1E01001-BLK4)				Prepare	d & Analy	/zed: 04-N	May-01			<u></u>
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	) <b>"</b>							
Toluene	ND	0.50	, "							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	5 "							
Surrogate: a,a,a-Trifluorotoluene	29.8			30.0		99.3	70-130			



6747 Sierra Court Suite J Dublin CA, 94568 Project: Chevron

Project Number: Chevron # 209339 Project Manager: Deanna L. Harding Reported: 10-May-01 17:08

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1E01001 - EPA 5030B P/T										
LCS (1E01001-BS1)				Prepared	& Analyz	ed: 01-Ma	y-01			
Benzene	20.3	0.50	ug/i	20.0		101	70-130			
Toluene	21.2	0.50	**	20.0		106	70-130			
Ethylbenzene	22.3	0.50	Ħ	20.0		111	70-130			
Xylenes (total)	65.4	0.50	. 11	60.0		109	70-130			
Surrogate: a,a,a-Trifluorotoluene	32.7		n .	30.0	<del></del>	109	70-130	<del></del>		
LCS (1E01001-BS2)				Prepared	& Analyz	ed: 02-Ma	y-01			
Benzene	20.5	0.50	ug/l	20.0		103	70-130			
Toluene	21.4	0.50	*	20.0		107	70-130			
Ethylbenzene	22.2	0.50	**	20.0		111	70-130			
Xylenes (total)	66.6	0.50	"	60.0		111	70-130			
Surrogate: a,a,a-Trifluorotoluene	29.4		<i>n</i>	30.0	<del> </del>	98.0	70-130			- · · · · · · · · · · · · · · · · · · ·
LCS (1E01001-BS3)				Prepared	& Analyz	ed: 03- <b>M</b> a	y-01			
Benzene	18.0	0.50	ug/l	20.0	•	90.0	70-130			
Toluene	18.9	0.50	n	20.0		94.5	70-130			
Ethylbenzene	19.7	0.50	11	20.0		98.5	70-130			
Xylenes (total)	59.0	0.50	11	60.0		98.3	70-130			
Surrogate: a,a,a-Trifluorotoluene	28.2		"	30.0		94.0	70-130			
LCS (1E01001-BS4)				Prepared	& Analyz	ed: 04-Ma	y-01			
Benzene	18.3	0.50	ug/l	20.0	*	91.5	70-130	•		
Toluene	19.1	0.50	#1	20.0		95.5	70-130			
Ethylbenzene	20.0	0.50	#	20.0		100	70-130			
Xylenes (total)	59.5	0.50	"	60.0		99.2	70-130			
Surrogate: a,a,a-Trifluorotoluene	28.6		"	30.0		95.3	70-130	<del></del>		
Matrix Spike (1E01001-MS1)	Source: W104505-01 Prepared & Analyzed: 02-May-01									
Benzene	17.8	0.50	ug/l	20.0	ND	89.0	70-130			
Toluene	18.5	0.50	n	20.0	ND	92.5	70-130			
Ethylbenzene	19.2	0.50	**	20.0	ND	96.0	70-130			
Xylenes (total)	58.0	0.50	**	60.0	ND	96.7	70-130			
Surrogate: a,a,a-Trifluorotoluene	28.7		"	30.0		95.7	70-130			•



Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Project: Chevron

Project Number: Chevron # 209339 Project Manager: Deanna L. Harding Reported: 10-May-01 17:08

Dublin CA, 94568

# 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 1E01001 - EPA 5030B P/T		· · · · · · · · · · · · · · · · · · ·							<u> </u>			
Matrix Spike Dup (1E01001-MSD1)	So	urce: W1045	505-01	Prepared	& Analyz							
	17.6	0.50	ug/l	20.0	ND	88.0	70-130	1.13	20			
Benzene			"	20.0	ND	92.0	70-130	0.542	20	,		
Toluene	18.4	0,50				95.0	70-130	1.05	20			
Ethylbenzene	19.0	0.50	"	20.0	ND				20			
Xylenes (total)	56.9	0.50	"	60.0	ND	94.8	70-130	1.91				
· · · · · · · · · · · · · · · · · · ·	29.5		#	30.0		98.3	70-130					
Surrogate: a, a, a-Trifluorotoluene	27.3											



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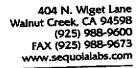
Dublin CA, 94568

Project: Chevron

Project Number: Chevron # 209339 Project Manager: Deanna L. Harding Reported: 10-May-01 17:08

## Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1E01012 - 200.7										
Blank (1E01012-BLK1)				Prepared:	01-May-	01 Analyz	ed: 08-Ma	y-01		
Ferrous Iron	ND	0.050	mg/l							
LCS (1E01012-BS1)				Prepared:	01-May-	01 Analyz	ed: 08-Ma	y-01		
Ferrous Iron	1.07	0.050	mg/i	1.00		107	80-120			
LCS Dup (1E01012-BSD1)				Prepared:	01-May-	01 Analyz	ed: 08-Ma	y-01		
Ferrous Iron	1.00	0.050	mg/l	1.00		100	80-120	6.76	20	
Matrix Spike (1E01012-MS1)	Sc	urce: W1045	87-01	Prepared	: 01-May-	01 Analyz	ed: 08-Ma	y-01		
Ferrous Iron	1.35	0.050	mg/!	1.00	0.36	99.0	80-120			_
Matrix Spike Dup (1E01012-MSD1)	So	urce: W1045	87-01	Prepared	: 01-May-	01 Analyz	ed: 08- <b>M</b> a	ıy-01		
Ferrous Iron	1.20	0.050	mg/l	1.00	0.36	84.0	80-120	11.8	20	





Gettler Ryan, Inc. - Dublin 5747 Sierra Court Suite J

**Dublin CA**, 94568

Project: Chevron

Project Number: Chevron # 209339 Project Manager: Deanna L. Harding

Reported: 10-May-01 17:08

## Volatile Organic Compounds by EPA Method 8260B - Quality Control Sequoia Analytical - Walnut Creek

unalyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
atch 1E09014 - EPA 5030B (P/T)										· · · · · ·
lank (1E09014-BLK1)				Prepared	& Analyz	ed: 09-Ma	ıy-01			
	ND	20	ug/!							
rt-Butyl alcohol	ND	2.0								
ethyl tert-butyl ether	ND	2.0	11							
i-isopropyl ether	ND	2.0	*1							
thyl tert-butyl ether		2.0	n							
ert-Amyl methyl ether	ND					90.8	50-150			
urrogate: Dibromofluoromethane	45.4		" "	50.0		77.6	50-150			
urrogate: 1,2-Dichloroethane-d4	38.8		"	50.0						
				Prepare	i & Analy	zed: 10-M	ay-01			
Blank (1E09014-BLK2)	ND	20	ug/l				-			
ert-Butyl alcohol	ND	2.0	_		-					
dethyl tert-butyl ether		2.0								
Di-isopropyl ether	ND									
Ethyl text-butyl ether	ND	2.0								
ert-Amyl methyl ether	ND	2.0				01.0	50-150			
Surrogate: Dibromofluoromethane	45.9		н	50.0		91.8	50-150			
Surrogate: 1,2-Dichloroethane-d4	44.9		*	50.0		89.8	30-130			
				Prepare	d & Anal	yzed: 09-N	1ay-01			
LCS (1E09014-BS1)			<u> </u>			79.0	70-130			
Methyl tert-butyl ether	39.5	2.0				89.4	50-150			
Surrogate: Dibromofluoromethane	44.7		n	50.0		79.2	50-150			
Surrogate: 1,2-Dichloroethane-d4	39.6		"	50.0			•			
-				Prepar	ed & Anal	yzed: 10-1	May-01			
LCS (1E09014-BS2)			0 50-7			97.8				
Methyl tert-butyl ether	48.9	2.				92.4	50-150			
Surrogate: Dibromoftuoromethane	46.2			50.0						
Surrogate: 1,2-Dichloroethane-d4	43.9	)	#	50.	0	87.8	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•		



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Gettler Ryan, Inc. - Dublin

Project: Chevron

6747 Sierra Court Suite J Dublin CA, 94568

Project Number: Chevron # 209339 Project Manager: Deanna L. Harding Reported: 10-May-01 17:08

### Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1D30011 - General Preparation										
Blank (1D30011-BLK1)				Prepared	& Analyz	ed: 30-Ap	r-01			
Total Alkalinity	ND	1.1	mg/l							
LCS (1D30011-BS1)				Prepared	& Analyz	ed: 30-Ap	r-01		•	
Total Alkalinity	96.0	1.1	mg/l	100		96.0	80-120			
Matrix Spike (1D30011-MS1)	So	urce: W1045	99-14	Prepared	& Anaiyz	ed: 30-Ap	r-01			
Total Alkalinity	1270	11	mg/l	1000	340	93.0	75-125			
Matrix Spike Dup (1D30011-MSD1)	So	urce: W1045	99-14	Prepared	& Analyz	ed: 30-Ap	r-01			_
Total Alkalinity	1270	11	mg/l	1000	340	93.0	75-125	0	20	



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

Dublin CA, 94568

Project: Chevron

Project Number: Chevron # 209339 Project Manager: Deanna L. Harding Reported: 10-May-01 17:08

Anions by EPA Method 300.0 - Quality Control Sequoia Analytical - Walnut Creek

	-								RPD	
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	Limit	Notes
mary a										_
Batch 1E04022 - General Preparation										<del></del>
		·		Prepared	& Analyz	ed: 03-Ma	ıy-01			
3lank (1E04022-BLK1)		0.10								
iulfate as SO4	ND	0.10	mg/l							
		•		Prepared	& Analyz	zed: 03-M	ay-01			
LCS (1E04022-BS1)						105	80-120			
Sulfate as SO4	10.5	0.10	mg/l	10.0			-			
Julian as 504			n 477 M1	Demorad	& Analy	zed: 03-M	ay-01			
Matrix Spike (1E04022-MS1)	S	ource: W105	047-01			99.0	75-125			
Sulfate as SO4	52.3	1.0	mg/l	50.0	2.8	33.0	10-100			
Sulfate as SOA				D	s & Analy	zed: 03-M	av-01			
Matrix Spike Dup (1E04022-MSD1)	S	ource: W105	047-01				75-125	1.33	20	
	53.0	1.0	mg/l	50.0	2.8	100	13-123	1.55		
Sulfate as SO4	22.0		-							



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Gettler Ryan, Inc. - Dublin

6747 Sierra Court Suite J

Dublin CA, 94568

Project: Chevron

Project Number: Chevron # 209339

Project Manager: Deanna L. Harding

Reported:

10-May-01 17:08

#### **Notes and Definitions**

CC-3 Continuing Calibration indicates that the quantitative result for this analyte includes a greater than 15% degree of uncertainty. The

value as reported is within method acceptance.

P-02 Chromatogram Pattern: Gasoline C6-C12 + Unidentified Hydrocarbons < C6

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

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #20-9339

5940 College Avenue Oakland, California

WELL ID/	DATE	DTW	GWE.	TPH-G	B	T	E	X	MTBE
TOC*		(fl.)	(msl)	(ppb)	(pph)	(ppb)	(ppb)	(ppb)	(ppb)
<b>MW-1</b>	01/03/01	12.75	184.16	930¹	2.9	6.9	2.7	7.6	14/<2.0³ 5.3/<2.0³
196.91	<b>04/25/0</b> 1	9.23	187.68	210⁴	<b>2.0</b>	1.5	2.0	<b>3.3</b>	
<b>MW-2</b> 197.35	01/03/01	12.48	184.87	2,100 <sup>2</sup>	110	11	63	25	83/2.2 <sup>3</sup>
	<b>04/25/01</b>	<b>8.9</b> 0	188.45	1,700 <sup>4</sup>	150	12	<b>30</b>	15	150/<2.0 <sup>3</sup>
TRIP BLANK	01/03/01			<50	<0.50	<0.50	<0.50	<0.50	<2.5
TB-LB	<b>04/25/01</b>			< <b>50</b>	< <b>0.50</b>	< <b>0.50</b>	< <b>0.50</b>	< <b>0.50</b>	< <b>2.</b> 5