GETTLER-RYAN INC.

TRANSMITTAL

June 13, 2001
G-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

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

GETTLER-RYAN INC.

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
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.

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

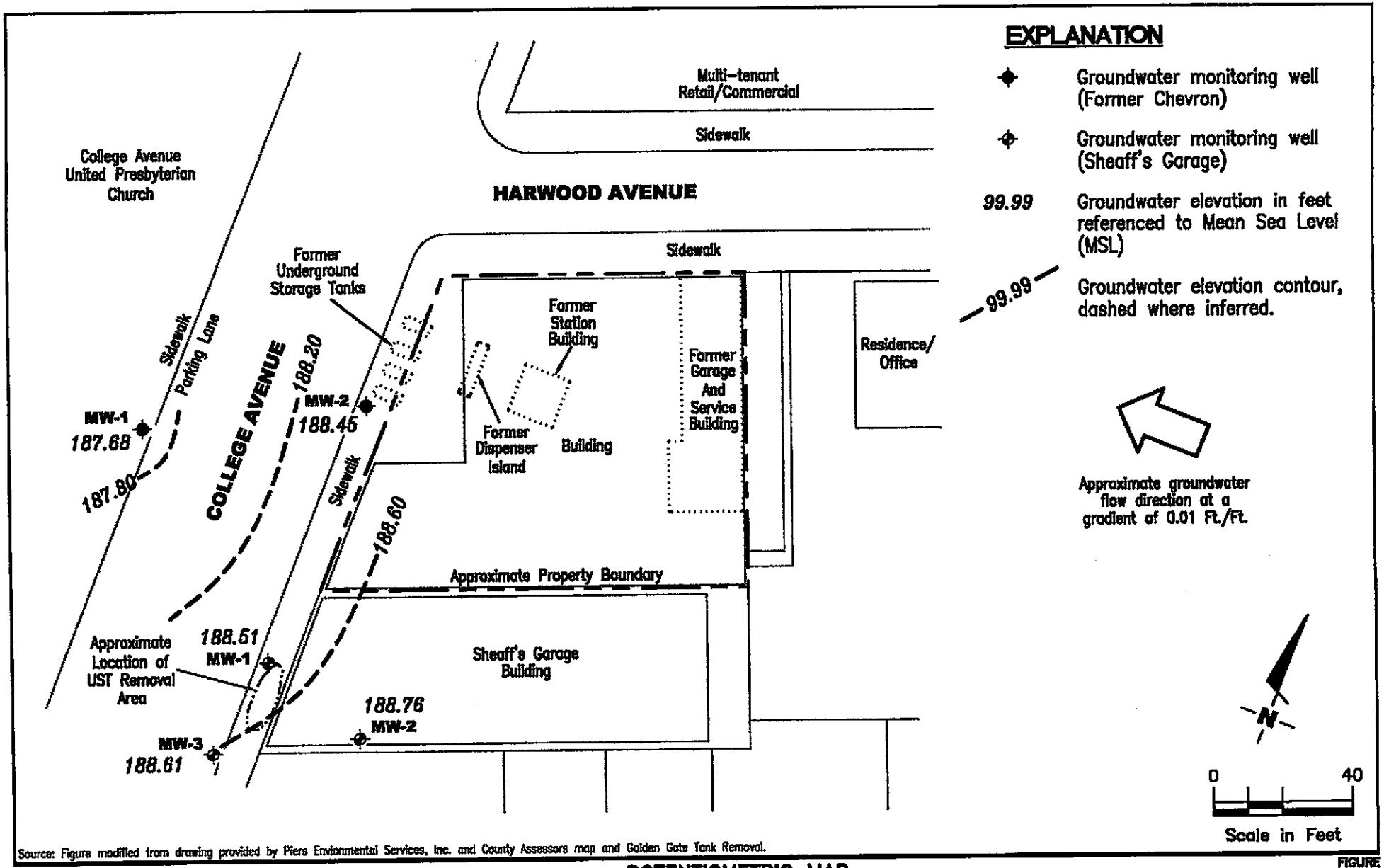
Sincerely,

Deanna L. Harding
Project Coordinator

Stephen J. Carter
Senior Geologist, R.G. No. 5577

REGISTERED GEOLOGIST
STEPHEN J. CARTER
No. 5577
STATE OF CALIFORNIA

Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Table 3: Groundwater Analytical Results
Table 4: Joint Groundwater Monitoring Data and Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



Source: Figure modified from drawing provided by Piers Environmental Services, Inc. and County Assessors map and Golden Gate Tank Removal.

FIGURE 1

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

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

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386251		April 25, 2001	

FILE NAME: P:\Enviro\Chevron\20-9339\Q01-20-9339.DWG | Layout Tab: Pot2

Table 1

Groundwater Monitoring Data and Analytical Results

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

WELL ID/ TOC*	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1									
196.91	01/03/01	12.75	184.16	930[1]	2.9	6.9	2.7	7.6	14/<2.0[3]
	04/25/01	**9.23**	**187.68**	**210[4]**	**2.0**	**1.5**	**2.0**	**3.3**	**5.3/<2.0[3]**
MW-2									
197.35	01/03/01	12.48	184.87	2,100[2]	110	11	63	25	83/2.2[3]
	04/25/01	**8.90**	**188.45**	**1,700[4]**	**150**	**12**	**30**	**15**	**150/<2.0[3]**
TRIP BLANK									
TB-LB	01/03/01	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	04/25/01	**--**	**--**	**<50**	**<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

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

* 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).

1 Laboratory report indicates unidentified hydrocarbons C6-C12.

2 Laboratory report indicates gasoline C6-C12.

3 MTBE by EPA Method 8260.

4 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-1	01/03/01	<500	<50	<2.0	<2.0	<2.0	<2.0	<2.0
	04/25/01	--	**<20**	**<2.0**	**<2.0**	**<2.0**	**<2.0**	--
MW-2	01/03/01	<500	<50	2.2	<2.0	<2.0	<2.0	<2.0
	04/25/01	--	**<20**	**<2.0**	**<2.0**	**<2.0**	**<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

WELL ID	DATE	FERROUS IRON (ppm)	TOTAL ALKALINITY (ppm)	SULFATE AS SO_4 (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_4

Table 4

Joint Groundwater Monitoring Data and Analytical Results

Sheaff's Garage
5930 College Avenue
Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1 195.90	04/25/01[1]	7.39	188.51	--	--	--	--	--	--
MW-2 197.28	04/25/01[1]	8.52	188.76	--	--	--	--	--	--
MW-3 195.22	04/25/01[1]	6.61	188.61	--	--	--	--	--	--

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

* 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).

[1] 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

Client/ CHEVRON
Facility # 209339
Address: 5940 COLLEGE AVE.
City: OAKLAND, CA

Job#: 386251
Date: 4-25-01
Sampler: FRANK T.

Well ID: MW-1
Well Condition: GOOD (NEW WELL)
Well Diameter: 2" in.
Hydrocarbon Thickness: 0 in.
Amount Bailed (product/water): 0 (gal.)
Total Depth: 20.10 ft.
Depth to Water: 9.23 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

10.87 x VF .17 = 1.84 x 3 (case volume) = Estimated Purge Volume: 5.54 (gal.)

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

Starting Time: 7:57
Sampling Time: 8:17
Purging Flow Rate: — gpm.
Did well de-water? NO

Weather Conditions: SUNNY
Water Color: CLEAR Odor: SLIGHT
Sediment Description:
If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X100	Temperature °C °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
8:01	2.0	7.28	550	61.1			
8:05	4.0	7.16	504	60.9			
8:09	6.0	7.31	516	61.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE
	1-500 ML.	"	NONE	"	SULFATE/FERROUS
	PLASTIC				IRON/ ALKALINITY

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ CHEVRON
Facility # 209339 Job#: 386251
Address: 5940 COLLEGE AVE. Date: 4-25-01
City: OAKLAND, CA Sampler: FRANK T.

Well ID MW-2 Well Condition: GOOD (NEW WELL)
Well Diameter 2" in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)
Total Depth 20.06 ft.
Depth to Water 8.90 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

11.16 x VF .17 = 1.89 X 3 (case volume) = Estimated Purge Volume: 5.69 (gal.)

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

Starting Time: 8:39 Weather Conditions: SUNNY
Sampling Time: 8:57 Water Color: CLEAR Odor: YES
Purging Flow Rate: — gpm. Sediment Description:
Did well de-water? NO If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
8:43	2.0	7.04	789	60.8			
8:47	4.0	7.00	796	61.2			
8:51	6.0	7.15	798	61.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE
	1-500 ML.	"	NONE	"	SULFATE/FERROUS
	PLASTIC				IRON/ALKALINITY

COMMENTS:

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

Chevron Facility Number 209339
Facility Address 5940 College Ave., Oakland CA
Consultant Project Number 386251
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 WIC4540
Laboratory Service Order
Laboratory Service Code
Samples Collected by (Name) FRANK TERRINONI
Signature

State Method: ☑ CA ☐ OR ☐ WA ☐ NW Series ☐ CO ☐ UT IDAHO

Sample Number	Number of Containers	Matrix W = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time	BTEX/MTBE+TPH GAS + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oxygenates (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (5520)	Metals (ICAP or AA CAM 17 PLUS)	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HOD	TPH-D Extended	SULFATE (FERROUS IRON) ALKALINITY					Lab Sample No.
TB-LB	1	W	HCL	4-25-01	X		01	A										X					RUN 5
MW-1	4	↓	↓	8:17	X		02	A-D										X					OXYS by
MW-2	4	↓	↓	8:57	X		03	A-D															8260 ON
																							ALL MTBE
																							8260 HITS

Remarks: PLEASE FILTER FERROUS IRON ASAP!

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
	G-R INC.	4-26-01				
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)		Date/Time	Iced Y/N
					4/26/01	

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

Sequoia
Analytical

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

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

Sequoia Analytical

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

Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 209339	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	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

Sequoia Analytical

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

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

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 (W104540-01) Water Sampled: 25-Apr-01 00:00 Received: 26-Apr-01 09:10									
Purgeable Hydrocarbons	ND	50	ug/l	1	1E01001	02-May-01	03-May-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	ND	2.5	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		*94.3 %*	*70-130*		"	"	"	"	
MW-1 (W104540-02) Water Sampled: 25-Apr-01 08:17 Received: 26-Apr-01 09:10									
Purgeable Hydrocarbons	**210**	50	ug/l	1	1E01001	02-May-01	03-May-01	EPA 8015M/8020	P-02
Benzene	**2.0**	0.50	"	"	"	"	"	"	
Toluene	**1.5**	0.50	"	"	"	"	"	"	
Ethylbenzene	**2.0**	0.50	"	"	"	"	"	"	
Xylenes (total)	**3.3**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**5.3**	2.5	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		*89.0 %*	*70-130*		"	"	"	"	
MW-2 (W104540-03) Water Sampled: 25-Apr-01 08:57 Received: 26-Apr-01 09:10									
Purgeable Hydrocarbons	**1700**	500	ug/l	10	1E01001	04-May-01	04-May-01	EPA 8015M/8020	P-02
Benzene	**150**	5.0	"	"	"	"	"	"	
Toluene	**12**	5.0	"	"	"	"	"	"	
Ethylbenzene	**30**	5.0	"	"	"	"	"	"	
Xylenes (total)	**15**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**150**	25	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*70-130*		"	"	"	"	

Sequoia Analytical

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

Total Metals by EPA 6000/7000 Series 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 08:17**	**Received: 26-Apr-01 09:10**							
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**	**Received: 26-Apr-01 09:10**							
Ferrous Iron	**0.093**	0.050	mg/l	1	1E01012	01-May-01	08-May-01	EPA 6010A	

Sequoia Analytical

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

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

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W104540-02) Water Sampled: 25-Apr-01 08:17 Received: 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	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*89.8 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.6 %*	*50-150*		"	"	"	"	
MW-2 (W104540-03) Water Sampled: 25-Apr-01 08:57 Received: 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	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*89.2 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83.4 %*	*50-150*		"	"	"	"	

Sequoia Analytical

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

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 08:17**	**Received: 26-Apr-01 09:10**							
Total Alkalinity	**380**	11	mg/l	10	1D30011	30-Apr-01	30-Apr-01	EPA 310.1	
MW-2 (W104540-03) Water	**Sampled: 25-Apr-01 08:57**	**Received: 26-Apr-01 09:10**							
Total Alkalinity	**680**	11	mg/l	10	1D30011	30-Apr-01	30-Apr-01	EPA 310.1	

Sequoia Analytical

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

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

Anions by EPA Method 300.0

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W104540-02) Water	**Sampled: 25-Apr-01 08:17**	**Received: 26-Apr-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**	**Received: 26-Apr-01 09:10**							
Sulfate as SO4	**21**	0.20	mg/l	2	1E04022	03-May-01	03-May-01	EPA 300.0	

Sequoia Analytical

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

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										
Blank (1E01001-BLK1)				Prepared & Analyzed: 01-May-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	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*29.9*		"	*30.0*		*99.7*	*70-130*			
Blank (1E01001-BLK2)				Prepared & Analyzed: 02-May-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	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*29.9*		"	*30.0*		*99.7*	*70-130*			
Blank (1E01001-BLK3)				Prepared & Analyzed: 03-May-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	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*28.5*		"	*30.0*		*95.0*	*70-130*			
Blank (1E01001-BLK4)				Prepared & Analyzed: 04-May-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	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*29.8*		"	*30.0*		*99.3*	*70-130*			

Sequoia Analytical

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

Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 209339	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	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										
LCS (1E01001-BS1)				Prepared & Analyzed: 01-May-01						
Benzene	20.3	0.50	ug/l	20.0		101	70-130			
Toluene	21.2	0.50	"	20.0		106	70-130			
Ethylbenzene	22.3	0.50	"	20.0		111	70-130			
Xylenes (total)	65.4	0.50	"	60.0		109	70-130			
Surrogate: a,a,a-Trifluorotoluene	*32.7*		"	*30.0*		*109*	*70-130*			
LCS (1E01001-BS2)				Prepared & Analyzed: 02-May-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*		"	*30.0*		*98.0*	*70-130*			
LCS (1E01001-BS3)				Prepared & Analyzed: 03-May-01						
Benzene	18.0	0.50	ug/l	20.0		90.0	70-130			
Toluene	18.9	0.50	"	20.0		94.5	70-130			
Ethylbenzene	19.7	0.50	"	20.0		98.5	70-130			
Xylenes (total)	59.0	0.50	"	60.0		98.3	70-130			
Surrogate: a,a,a-Trifluorotoluene	*28.2*		"	*30.0*		*94.0*	*70-130*			
LCS (1E01001-BS4)				Prepared & Analyzed: 04-May-01						
Benzene	18.3	0.50	ug/l	20.0		91.5	70-130			
Toluene	19.1	0.50	"	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*			
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	"	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*			

Sequoia Analytical

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

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										
Matrix Spike Dup (1E01001-MSD1)	**Source: W104505-01**			Prepared & Analyzed: 02-May-01						
Benzene	17.6	0.50	ug/l	20.0	ND	88.0	70-130	1.13	20	
Toluene	18.4	0.50	"	20.0	ND	92.0	70-130	0.542	20	
Ethylbenzene	19.0	0.50	"	20.0	ND	95.0	70-130	1.05	20	
Xylenes (total)	56.9	0.50	"	60.0	ND	94.8	70-130	1.91	20	
Surrogate: a,a,a-Trifluorotoluene	*29.5*		"	*30.0*		*98.3*	*70-130*			

Sequoia Analytical

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

Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 209339	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	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 Analyzed: 08-May-01						
Ferrous Iron	ND	0.050	mg/l							
LCS (1E01012-BS1)				Prepared: 01-May-01 Analyzed: 08-May-01						
Ferrous Iron	1.07	0.050	mg/l	1.00		107	80-120			
LCS Dup (1E01012-BSD1)				Prepared: 01-May-01 Analyzed: 08-May-01						
Ferrous Iron	1.00	0.050	mg/l	1.00		100	80-120	6.76	20	
Matrix Spike (1E01012-MS1)		Source: W104587-01		Prepared: 01-May-01 Analyzed: 08-May-01						
Ferrous Iron	1.35	0.050	mg/l	1.00	0.36	99.0	80-120			
Matrix Spike Dup (1E01012-MSD1)		Source: W104587-01		Prepared: 01-May-01 Analyzed: 08-May-01						
Ferrous Iron	1.20	0.050	mg/l	1.00	0.36	84.0	80-120	11.8	20	

Sequoia Analytical

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1E09014 - EPA 5030B (P/T)										
Blank (1E09014-BLK1)				Prepared & Analyzed: 09-May-01						
tert-Butyl alcohol	ND	20	ug/l							
Methyl tert-butyl ether	ND	2.0	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
tert-Amyl methyl ether	ND	2.0	"							
Surrogate: Dibromofluoromethane	*45.4*		"	*50.0*		*90.8*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*38.8*		"	*50.0*		*77.6*	*50-150*			
Blank (1E09014-BLK2)				Prepared & Analyzed: 10-May-01						
tert-Butyl alcohol	ND	20	ug/l							
Methyl tert-butyl ether	ND	2.0	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
tert-Amyl methyl ether	ND	2.0	"							
Surrogate: Dibromofluoromethane	*45.9*		"	*50.0*		*91.8*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*44.9*		"	*50.0*		*89.8*	*50-150*			
LCS (1E09014-BS1)				Prepared & Analyzed: 09-May-01						
Methyl tert-butyl ether	39.5	2.0	ug/l	50.0		79.0	70-130			
Surrogate: Dibromofluoromethane	*44.7*		"	*50.0*		*89.4*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*39.6*		"	*50.0*		*79.2*	*50-150*			
LCS (1E09014-BS2)				Prepared & Analyzed: 10-May-01						
Methyl tert-butyl ether	48.9	2.0	ug/l	50.0		97.8	70-130			
Surrogate: Dibromofluoromethane	*46.2*		"	*50.0*		*92.4*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*43.9*		"	*50.0*		*87.8*	*50-150*			

Sequoia Analytical

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

Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 209339	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	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 & Analyzed: 30-Apr-01						
Total Alkalinity	ND	1.1	mg/l							
LCS (1D30011-BS1)				Prepared & Analyzed: 30-Apr-01						
Total Alkalinity	96.0	1.1	mg/l	100		96.0	80-120			
Matrix Spike (1D30011-MS1)		Source: W104599-14		Prepared & Analyzed: 30-Apr-01						
Total Alkalinity	1270	11	mg/l	1000	340	93.0	75-125			
Matrix Spike Dup (1D30011-MSD1)		Source: W104599-14		Prepared & Analyzed: 30-Apr-01						
Total Alkalinity	1270	11	mg/l	1000	340	93.0	75-125	0	20	

Sequoia Analytical

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1E04022 - General Preparation										
Blank (1E04022-BLK1)				Prepared & Analyzed: 03-May-01						
Sulfate as SO4	ND	0.10	mg/l							
LCS (1E04022-BS1)				Prepared & Analyzed: 03-May-01						
Sulfate as SO4	10.5	0.10	mg/l	10.0		105	80-120			
Matrix Spike (1E04022-MS1)	Source: W105047-01			Prepared & Analyzed: 03-May-01						
Sulfate as SO4	52.3	1.0	mg/l	50.0	2.8	99.0	75-125			
Matrix Spike Dup (1E04022-MSD1)	Source: W105047-01			Prepared & Analyzed: 03-May-01						
Sulfate as SO4	53.0	1.0	mg/l	50.0	2.8	100	75-125	1.33	20	

Sequoia Analytical

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

Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 209339	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	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/ TOC*	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1									
196.91	01/03/01	12.75	184.16	930[1]	2.9	6.9	2.7	7.6	14/<2.0[3]
	04/25/01	**9.23**	**187.68**	**210[4]**	**2.0**	**1.5**	**2.0**	**3.3**	**5.3/<2.0[3]**
MW-2									
197.35	01/03/01	12.48	184.87	2,100[2]	110	11	63	25	83/2.2[3]
	04/25/01	**8.90**	**188.45**	**1,700[4]**	**150**	**12**	**30**	**15**	**150/<2.0[3]**
TRIP BLANK									
TB-LB	01/03/01	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	04/25/01	--	--	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**