



GETTLER-RYAN INC.

TRANSMITTAL

Alameda County

SEP 10 2002

Environmental Health

August 21, 2002

G-R #386895

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

CC: Ms. Karen Streich
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 Service Station
#9-3600
2200 Telegraph Avenue
Oakland, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	August 8, 2002	Groundwater Monitoring and Sampling Report Third Quarter - Event of July 1, 2002

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 4, 2002**, at which time the final report will be distributed to the following:

cc: Mr. Don Hwang, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
Mr. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670

Enclosures

trans/9-3600-ks



GETTLER-RYAN INC.

August 8, 2002
G-R Job #386895

Ms. Karen Streich
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583

RE: Third Quarter Event of July 1, 2002
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

Dear Ms. Streich:

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 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

Douglas J. Lee
Senior Geologist, R.G. No. 6882

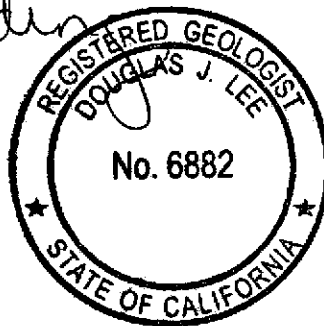
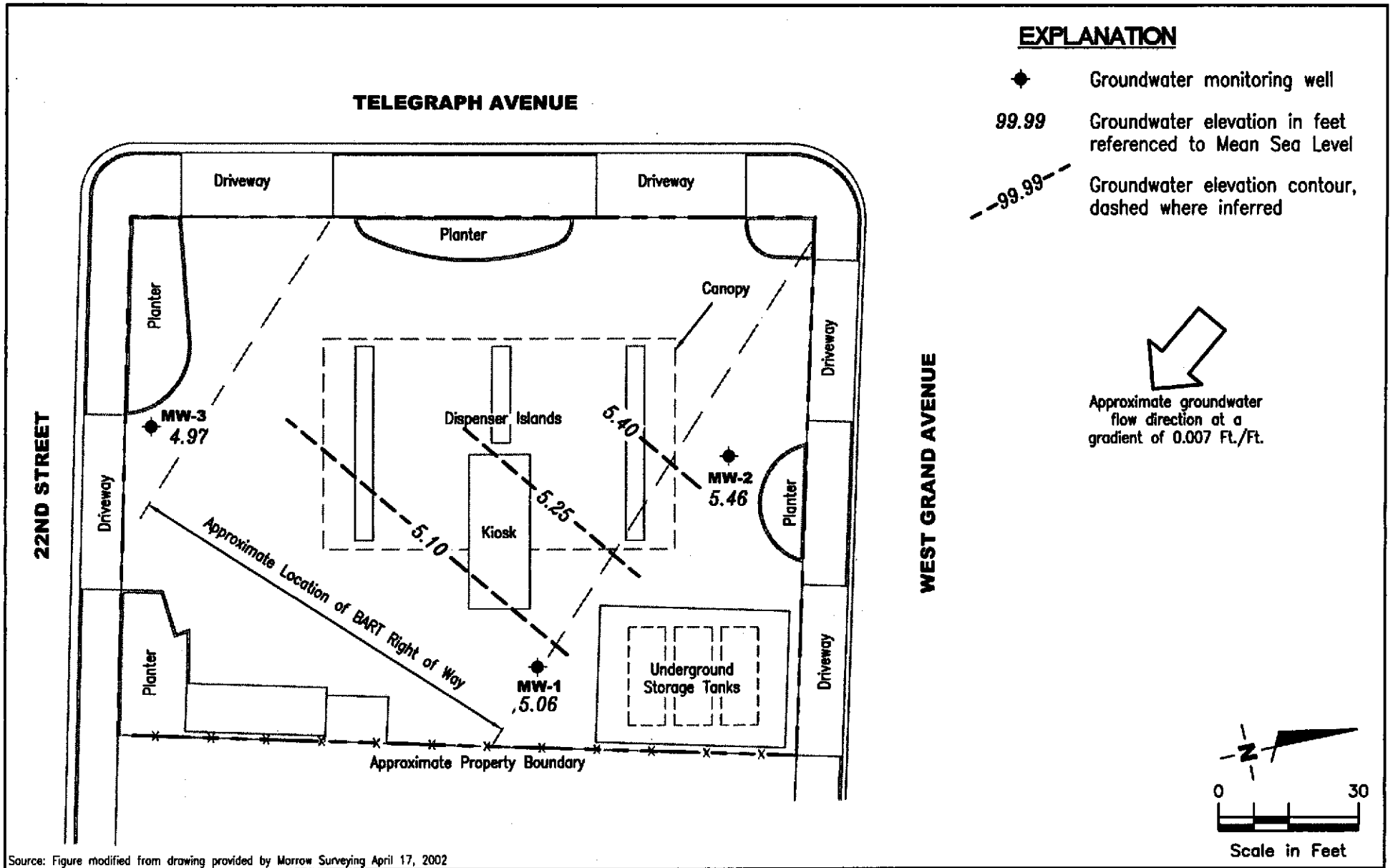


Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



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

POTENTIOMETRIC MAP
 Chevron Service Station #9-3600
 2200 Telegraph Avenue
 Oakland, California

FIGURE
1

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1									
17.07	04/05/02 ¹	11.68	5.39	2,000	5.0	<1.0	14	8.4	310/370 ²
	07/01/02	12.01	5.06	2,000	8.9	<1.0	97	31	370/420 ²
MW-2									
16.82	04/05/02 ¹	11.17	5.65	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ²
	07/01/02	11.36	5.46	<50	<0.50	0.57	0.52	<1.5	<2.5/<2 ²
MW-3									
16.52	04/05/02 ¹	11.29	5.23	<50	<0.50	0.59	<0.50	<1.5	<2.5/<2 ²
	07/01/02	11.55	4.97	<50	<0.50	0.60	<0.50	<1.5	<2.5/<2 ²
TRIP BLANK									
QA	04/05/02	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
	07/01/02	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

EXPLANATIONS:

TOC = Top of Casing

(ft.) = Feet

DTW = Depth to Water

GWE = Groundwater Elevation

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

QA = Quality Assurance

* TOC elevations were surveyed on April 17, 2002, by Morrow Surveying. The elevations are based on a City of Oakland Benchmark No. 37JC, (Benchmark Elevation = 17.68 Feet).

¹ Well development performed.

² MTBE by EPA Method 8260.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

WELL ID	DATE	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
MW-1	04/05/02	200	370	<2	<2	10
	07/01/02	190	420	<2	<2	9
MW-2	04/05/02	<100	<2	<2	<2	<2
	07/01/02	<100	<2	<2	<2	<2
MW-3	04/05/02	<100	<2	<2	<2	<2
	07/01/02	<100	<2	<2	<2	<2

EXPLANATIONS:

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
(ppb) = Parts per billion

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

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.



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3600 Job Number: 386895
 Site Address: 2200 Telegraph Avenue Event Date: 7/01/02
 City: Oakland, CA Sampler: TC

Well ID: MW-1 Well Condition: o.k.
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 20.00 ft. Thickness: 0 ft. (product/water): 0 gal.
 Depth to Water: 12.01 ft.

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

7.99 xVF .17 = 1.35 x3 (case volume) = Estimated Purge Volume: 4 gal.

Purge Equipment: Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment: Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Start Time (purge): 1436 Weather Conditions: SUNNY
 Sample Time/Date: 1450 7/01/02 Water Color: cloudy Odor: yes
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1438</u>	<u>1.5</u>	<u>7.31</u>	<u>1396</u>	<u>71.0</u>	_____	_____
<u>1440</u>	<u>3.0</u>	<u>7.22</u>	<u>1388</u>	<u>69.6</u>	_____	_____
<u>1442</u>	<u>4.0</u>	<u>7.20</u>	<u>1370</u>	<u>69.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	6 x vov vial	YES	HCL	Lancaster	TPH-G/BTEX/MTBE/5 Oxy's by 8260

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3600 Job Number: 386895
 Site Address: 2200 Telegraph Avenue Event Date: 7/01/02
 City: Oakland, CA Sampler: TC

Well ID: MW-2 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 20.00 ft. Thickness: 0 ft. (product/water): 0 gal.
 Depth to Water: 11.36 ft.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

8.64 xVF .17 = 1.46 x3 (case volume) = Estimated Purge Volume: 4 1/2 gal.

Purge Equipment: Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment: Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Start Time (purge): 1335 Weather Conditions: SUNNY
 Sample Time/Date: 1357 7/01/02 Water Color: LG. BROWN Odor: NO
 Purging Flow Rate: — gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1338</u>	<u>1.5</u>	<u>7.42</u>	<u>1160</u>	<u>71.0</u>	_____	_____
<u>1340</u>	<u>3.0</u>	<u>7.36</u>	<u>1115</u>	<u>69.9</u>	_____	_____
<u>1342</u>	<u>4.5</u>	<u>7.16</u>	<u>1121</u>	<u>69.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>Lancaster</u>	<u>TPH-G/BTEX/MTBE/5 Oxy's by 8260</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3600 Job Number: 386895
 Site Address: 2200 Telegraph Avenue Event Date: 7/01/02
 City: Oakland, CA Sampler: TC

Well ID: MW-3 Well Condition: O.K.
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 20.00 ft. Thickness: 0 ft. (product/water): 0 gal.
 Depth to Water: 11.55 ft.

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

8.45 xVF .17 = 1.43 x3 (case volume) = Estimated Purge Volume: 4 1/2 gal.

Purge Equipment: Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment: Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Start Time (purge): 1400 Weather Conditions: SUNNY
 Sample Time/Date: 1418 7/01/02 Water Color: LT. BROWN Odor: NO
 Purging Flow Rate: — gpm. Sediment Description: _____
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1402</u>	<u>1.5</u>	<u>7.22</u>	<u>1322</u>	<u>70.1</u>	_____	_____
<u>1405</u>	<u>3.0</u>	<u>7.16</u>	<u>1316</u>	<u>69.6</u>	_____	_____
<u>1406</u>	<u>4.5</u>	<u>7.12</u>	<u>1321</u>	<u>69.2</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>Lancaster</u>	<u>TPH-G/BTEX/MTBE/5 Oxy's by 8260</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only
 Acct. #: 10905 Sample #: 3846350-53

SCR#: _____
 Group # 813626

070202-004

Facility #: 9-3600 Job# 386895
 Site Address: 2200 Telegraph Ave., Oakland, CA
 Chevron PM: Karen Streich Lead Consultant: Delta/G-R
 Consultant/Office: G-R Inc. 6747 Sierra Ct, Dublin, CA 94568
 Consultant Prj. Mgr.: Deanna L. Harding Deanna@grinc.com
 Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
 Sampler: TONY CAMARDA
 Service Order #: _____ Non SAR: _____

Matrix		Analyses Requested											
		Preservation Codes											
Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8260	8021	TPH 8015 MOO GRO	TPH 8015 MOO DRO	Silica Gel Cleanup	8260 full scan	Oxygenates 8260	Lead 7420	7421
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>							

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy s on highest hit
 Run ___ oxy s on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8260	8021	TPH 8015 MOO GRO	TPH 8015 MOO DRO	Silica Gel Cleanup	8260 full scan	Oxygenates 8260	Lead 7420	7421	
<u>QA</u>	<u>7/10/02</u>	<u>—</u>				X			<u>2</u>	X	X								
<u>MW-1</u>	<u> </u>	<u>1450</u>	X			X			<u>6</u>	X	X					X			
<u>MW-2</u>	<u> </u>	<u>1357</u>	X			X			<u>6</u>	X	X					X			
<u>MW-3</u>	<u>∇</u>	<u>1418</u>	X			X			<u>6</u>	X	X					X			

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)

STD. TAT 72 hour 48 hour
 24 hour 4 day 5 day

Data Package Options (please circle if required)

QC Summary Type I — Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>7/10/02</u>	Time: _____	Received by: <u>[Signature]</u>	Date: <u>7/10/02</u>	Time: <u>1328</u>
Relinquished by: <u>[Signature]</u>	Date: <u>7/20/02</u>	Time: <u>1328</u>	Received by: <u>Amber Amaya</u>	Date: <u>7-20</u>	Time: <u>1328</u>
Relinquished by: <u>Amber Amaya</u>	Date: <u>7-20</u>	Time: <u>1530</u>	Received by: <u>Airborne</u>	Date: <u>7-20</u>	Time: _____
Relinquished by Commercial Carrier: <u>Airborne</u>	UPS FedEx Other	Temperature Upon Receipt: <u>7.5 C°</u>	Received by: <u>[Signature]</u>	Date: <u>7/10/02</u>	Time: <u>1435</u>
Custody Seals Intact? <u>Yes</u> No					



ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

RECEIVED

JUL 19 2002

GETTLER-RYAN INC.
GENERAL CONTRACTORS

SAMPLE GROUP

The sample group for this submittal is 813626. Samples arrived at the laboratory on Wednesday, July 03, 2002. The PO# for this group is 99011184 and the release number is STREICH.

<u>Client Description</u>		<u>Lancaster Labs Number</u>
QA-T-020701	NA Water	3846350
MW-1-W-020701	Grab Water	3846351
MW-2-W-020701	Grab Water	3846352
MW-3-W-020701	Grab Water	3846353

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO

Delta C/O Gettler-Ryan

Attn: Deanna L. Harding

Questions? Contact your Client Services Representative
Teresa M Lis at (717) 656-2300.

Respectfully Submitted,

Michele M. Turner
Manager



Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. WW 3846350

Collected: 07/01/2002 00:00

Account Number: 10905

Submitted: 07/03/2002 14:35
 Reported: 07/17/2002 at 16:08
 Discard: 08/17/2002

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

QA-T-020701 NA Water
 Facility# 93600 Job# 386895 GRD
 2200 Telegraph-Oakland NA QA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	07/08/2002 21:29	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	07/08/2002 21:29	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/08/2002 21:29	Melissa D Mann	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected above the Reporting Limit





Lancaster Laboratories Sample No. **WW 3846351**

Collected: 07/01/2002 14:50 by TC

Account Number: 10905

Submitted: 07/03/2002 14:35
 Reported: 07/17/2002 at 16:08
 Discard: 08/17/2002

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MW-1-W-020701 Grab Water
 Facility# 93600 Job# 386895 GRD
 2200 Telegraph-Oakland NA MW-1

TOMW1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	2,000.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	8.9	0.50	ug/l	1
00777	Toluene	108-88-3	N.D. #	1.0	ug/l	1
00778	Ethylbenzene	100-41-4	97.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	31.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	370.	2.5	ug/l	1
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level. Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for toluene. The presence or concentration of this compound cannot be determined due to the presence of this interferent.						
01595	Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	420.	2.0	ug/l	2.5
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	9.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	190.	100.	ug/l	1

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected above the Reporting Limit



Lancaster Laboratories, Inc.
 2425 New Holland Pike
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. **WW 3846351**

Collected: 07/01/2002 14:50 by TC

Account Number: 10905

Submitted: 07/03/2002 14:35
Reported: 07/17/2002 at 16:08
Discard: 08/17/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-1-W-020701 Grab Water
Facility# 93600 Job# 386895 GRD
2200 Telegraph-Oakland NA MW-1

TOMW1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	07/09/2002 00:56	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	07/09/2002 00:56	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	07/05/2002 12:07	Kenneth L Boley Jr	1
01595	Oxygenates by 8260B	SW-846 8260B	1	07/05/2002 15:35	John B Kiser	2.5
01146	GC VOA Water Prep	SW-846 5030B	1	07/09/2002 00:56	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/05/2002 12:07	Kenneth L Boley Jr	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	07/05/2002 15:35	John B Kiser	n.a.

#=Laboratory Method Detection Limit Exceeded target detection limit
N.D.=Not detected above the Reporting Limit



Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. **WW 3846352**

Collected: 07/01/2002 13:51 by TC

Account Number: 10905

Submitted: 07/03/2002 14:35
 Reported: 07/17/2002 at 16:08
 Discard: 08/17/2002

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MW-2-W-020701 Grab Water
 Facility# 93600 Job# 386895 GRD
 2200 Telegraph-Oakland NA MW-2

TOMW2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	0.57	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	0.52	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
01595	Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	N.D.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	07/09/2002 01:30	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	07/09/2002 01:30	Melissa D Mann	1

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit



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 Lancaster, PA 17605-2425
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Lancaster Laboratories Sample No. **WW 3846352**

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Account Number: 10905

Submitted: 07/03/2002 14:35

Reported: 07/17/2002 at 16:08

Discard: 08/17/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

MW-2-W-020701 Grab Water
Facility# 93600 Job# 386895 GRD
2200 Telegraph-Oakland NA MW-2

TOMW2							
01595	Oxygenates by 8260B	SW-846	8260B	1	07/05/2002 14:16	John B Kiser	1
01146	GC VOA Water Prep	SW-846	5030B	1	07/09/2002 01:30	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846	5030B	1	07/05/2002 14:16	John B Kiser	n.a.

#=Laboratory Method Detection Limit Exceeded target detection limit
N.D.=Not detected above the Reporting Limit





Lancaster Laboratories Sample No. WW 3846353

Collected: 07/01/2002 14:18 by TC

Account Number: 10905

Submitted: 07/03/2002 14:35
 Reported: 07/17/2002 at 16:08
 Discard: 08/17/2002

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MW-3-W-020701 Grab Water
 Facility# 93600 Job# 386895 GRD
 2200 Telegraph-Oakland NA MW-3

TOMW3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	0.60	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
01595	Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	N.D.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	07/09/2002 02:05	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	07/09/2002 02:05	Melissa D Mann	1

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected or below the Reporting Limit



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Lancaster Laboratories Sample No. WW 3846353

Collected: 07/01/2002 14:18 by TC

Account Number: 10905

Submitted: 07/03/2002 14:35

ChevronTexaco

Reported: 07/17/2002 at 16:08

6001 Bollinger Canyon Rd L4310

Discard: 08/17/2002

San Ramon CA 94583

MW-3-W-020701 Grab Water
Facility# 93600 Job# 386895 GRD
2200 Telegraph-Oakland NA MW-3

TOMW3							
01595	Oxygenates by 8260B	SW-846 8260B	1	07/05/2002 10:21	Kenneth L Boley Jr	1	
01146	GC VOA Water Prep	SW-846 5030B	1	07/09/2002 02:05	Melissa D Mann	n.a.	
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/05/2002 10:21	Kenneth L Boley Jr	n.a.	

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected or above the Reporting Limit





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Quality Control Summary

Client Name: ChevronTexaco
Reported: 07/17/02 at 04:08 PM

Group Number: 813626

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 02189A53A								
Sample number(s): 3846350-3846353								
Benzene	N.D.	0.5	ug/l	98	94	80-118	4	30
Toluene	N.D.	0.5	ug/l	101	98	82-119	3	30
Ethylbenzene	N.D.	0.5	ug/l	104	100	81-119	4	30
Total Xylenes	N.D.	1.5	ug/l	104	101	82-120	3	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	99	98	79-127	1	30
TPH-GRO - Waters	N.D.	50.	ug/l	110	111	76-126	1	30
Batch number: P021861AA								
Sample number(s): 3846351,3846353								
Methyl t-butyl ether	N.D.	2.	ug/l	100		77-127		
di-Isopropyl ether	N.D.	2.	ug/l	96		74-125		
Ethyl t-butyl ether	N.D.	2.	ug/l	95		74-120		
t-Amyl methyl ether	N.D.	2.	ug/l	95		71-114		
t-Butyl alcohol	N.D.	100.	ug/l	100		59-139		
Batch number: P021861AB								
Sample number(s): 3846351-3846352								
Methyl t-butyl ether	N.D.	2.	ug/l	100		77-127		
di-Isopropyl ether	N.D.	2.	ug/l	96		74-125		
Ethyl t-butyl ether	N.D.	2.	ug/l	95		74-120		
t-Amyl methyl ether	N.D.	2.	ug/l	95		71-114		
t-Butyl alcohol	N.D.	100.	ug/l	100		59-139		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG MAX	DUP CONC	DUP RPD	Dup RPD Max
Batch number: 02189A53A								
Sample number(s): 3846350-3846353								
Benzene	97		77-131					
Toluene	101		80-128					
Ethylbenzene	106		76-132					
Total Xylenes	106		76-132					
Methyl tert-Butyl Ether	95		61-144					
TPH-GRO - Waters	121		74-132					
Batch number: P021861AA								
Sample number(s): 3846351,3846353								
Methyl t-butyl ether	104	103	69-134	1	30			
di-Isopropyl ether	102	100	68-133	2	30			
Ethyl t-butyl ether	98	98	73-123	0	30			
t-Amyl methyl ether	96	96	69-118	0	30			
t-Butyl alcohol	101	104	51-148	3	30			
Batch number: P021861AB								
Sample number(s): 3846351-3846352								
Methyl t-butyl ether	104	103	69-134	1	30			
di-Isopropyl ether	102	100	68-133	2	30			
Ethyl t-butyl ether	98	98	73-123	0	30			
t-Amyl methyl ether	96	96	69-118	0	30			
t-Butyl alcohol	101	104	51-148	3	30			

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters
Batch number: 02189A53A

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



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Quality Control Summary

Client Name: ChevronTexaco
Reported: 07/17/02 at 04:08 PM

Group Number: 813626

Surrogate Quality Control

	Trifluorotoluene-F	Trifluorotoluene-P
3846350	86	95
3846351	88	92
3846352	83	91
3846353	86	90
Blank	85	95
LCS	90	95
LCS D	93	96
MS	92	96
Limits:	67-135	71-130

Analysis Name: Oxygenates by 8260B
Batch number: P021861AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3846351	95	93	94	91
3846353	94	93	93	89
Blank	94	92	93	89
LCS	94	91	93	91
MS	93	92	94	92
MSD	93	93	94	91
Limits:	86-118	80-120	88-110	86-115

Analysis Name: Oxygenates by 8260B
Batch number: P021861AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3846352	94	93	93	89
Blank	94	93	93	90
LCS	94	91	93	91
MS	93	92	94	92
MSD	93	93	94	91
Limits:	86-118	80-120	88-110	86-115

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



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