RO 2435

GETTLER-RYAN INC.

TRANSMITTAL

February 18, 2003
G-R #386895

TO: Mr. Robert Foss
Cambria Environmental Technology, Inc.
2680 Bishop Drive, Suite 290
San Ramon, CA 94583

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

Alameda County
MAR 0 7 2003
Environmental Health

RE: **Chevron Service Station #9-3600**
2200 Telegraph Avenue
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	February 14, 2003	Groundwater Monitoring and Sampling Report First Quarter - Event of January 11, 2003

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 ***March 3, 2003***, 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

Enclosures

trans/9-3600-ks

RO 2435

GETTLER-RYAN INC.

February 14, 2003
G-R Job #386895

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

RE: First Quarter Event of January 11, 2003
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.

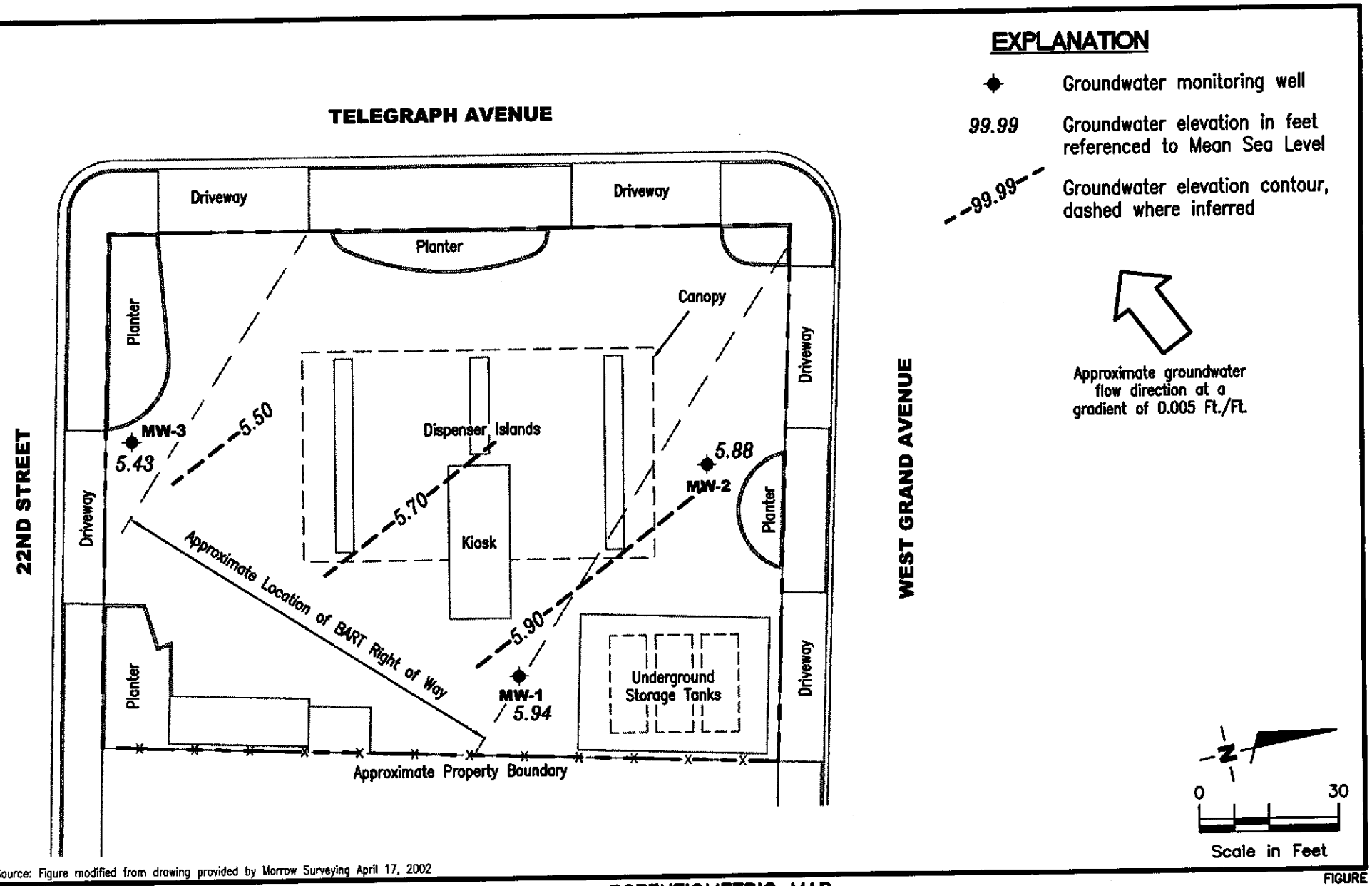
Sincerely,

Deanna L. Harding
Project Coordinator

Robert C. Mallory
Registered Geologist, No. 7285

REGISTERED GEOLOGIST
ROBERT C. MALLORY
No. 7285
Exp. 01/04
STATE OF CALIFORNIA

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



Source: Figure modified from drawing provided by Morrow Surveying April 17, 2002

FIGURE 1

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

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

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386895		January 11, 2003	

FILE NAME: P:\ENVIRO\CHEVRON\9-3600\Q03-9-3600.DWG | Layout Tab: Pot1

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]
	10/08/02	12.20	4.87	1,400	9.2	<10	75	20	440/360[2]
	01/11/03	**11.13**	**5.94**	**1,600**	**7.1**	**0.51**	**53**	**13**	**280/270[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]
	10/08/02	11.57	5.25	<100	<2.0	<2.0	<2.0	<5.0	<10/<2[2]
	01/11/03	**10.94**	**5.88**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<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]
	10/08/02	11.62	4.90	<100	<2.0	<2.0	<2.0	<5.0	<10/<2[2]
	01/11/03	**11.09**	**5.43**	**<50**	**<0.50**	**<0.50**	**<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
	10/08/02	--	--	<100	<2.0	<2.0	<2.0	<5.0	<10
	01/11/03	**--**	**--**	**<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/Trip Blank

* 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
	10/08/02	110	360	<2	<2	8
	01/11/03	**<100**	**270**	**<2**	**<2**	7
MW-2	04/05/02	<100	<2	<2	<2	<2
	07/01/02	<100	<2	<2	<2	<2
	10/08/02	<100	<2	<2	<2	<2
	01/11/03	**<100**	**<2**	**<2**	**<2**	**<2**
MW-3	04/05/02	<100	<2	<2	<2	<2
	07/01/02	<100	<2	<2	<2	<2
	10/08/02	<100	<2	<2	<2	<2
	01/11/03	**<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, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or disposable 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 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: 1-11-03 (inclusive)
City: Oakland, CA Sampler: K Kelly

Well ID: MW- 1 Well Condition: OK
Well Diameter: 2 in.
Total Depth: 20.26 ft.
Depth to Water: 11.13 ft.
9.13 xVF 0.17 = 1.55 x3 (case volume) = Estimated Purge Volume: 4.65 gal.

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

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

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

Time Started: (2400 hrs)
Time Bailed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Product Transferred to:

Start Time (purge): 1233 Weather Conditions: overcast
Sample Time/Date: 1245 1-11-03 Water Color: Clear/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 (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
1236	1.5	7.62	406	19.1		
1238	3.0	7.50	423	18.8		
1240	4.75	7.54	394	18.3		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 1	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)/ 5 OXYS(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: 1-11-03 (inclusive)
City: Oakland, CA Sampler: K.Kelly

Well ID MW- 2 Well Condition: OK
Well Diameter 2 in.
Total Depth 20.23 ft.
Depth to Water 10.94 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

9.29 xVF 0.17 = 1.57 x3 (case volume) = Estimated Purge Volume: 4.73 gal.

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

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

Time Started: (2400 hrs)
Time Bailed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Product Transferred to:

Start Time (purge): 12:10 Weather Conditions: overcast
Sample Time/Date: 1225 1-11-03 Water Color: Cloudy 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)
12:13	1.5	7.58	504	17.5		
12:16	3.0	7.36	510	18.9		
12:19	4.75	7.21	515	19.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 2	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)/ 5 OXYS(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: 1-11-03 (inclusive)
City: Oakland, CA Sampler: K.Kelly

Well ID MW-3 Well Condition: OK
Well Diameter 2 in.
Total Depth 17.11 ft.
Depth to Water 11.09 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

6.02 xVF 0.17 = 1.02 x3 (case volume) = Estimated Purge Volume: 307 gal.

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

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

Time Started: (2400 hrs)
Time Bailed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Product Transferred to:

Start Time (purge): 1151 Weather Conditions: Overcast
Sample Time/Date: 1205 1-11-03 Water Color: Cloudy 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 (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
1163	1.0	8.30	369	18.9		
1156	2.0	8.03	373	19.3		
1158	3.0	7.87	367	20.2		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)/ 5 OXYS(8260)

COMMENTS:

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

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 10905 Sample #: 397827477 SCR#:

011303-009

gr#837880

Facility #: 9-3600 Job #386895 Global ID#187
Site Address: 2200 TELEGRAPH AVE., OAKLAND, CA
Chevron PM: KS Lead Consultant: Delta/G-R
Consultant/Office: G-R, Inc., 6747 Sierra Court, Dublin, Ca 94568
Consultant Prj. Mgr.: Deanna L. Harding (Deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: Kristina Kelly
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 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	Matrix: Soil	Matrix: Water	Matrix: Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	5 Oxygenates 8260	Lead 7420 ☐ 7421 ☐
QA	1-11-03		X			W		2	X	X				
MW-1			X					6	X	X			X	
MW-2			X					6	X	X			X	
MW-3	V		X			V		6	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

	Date	Time		Date	Time
Relinquished by: Kristina Kelly	1/11/03		Received by:	1/13/03	1230
Relinquished by:	1/13/03	1450	Received by:	1-13-03	1450
Relinquished by:	1-14-03	1530	Received by:	1-14-03	
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	1/15/03	1000
Temperature Upon Receipt 1.5 C°			Custody Seals Intact? Yes No		

3460 Rev. 7/30/01

Analysis Report

Lancaster Laboratories

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

SAMPLE GROUP

The sample group for this submittal is 837880. Samples arrived at the laboratory on Wednesday, January 15, 2003. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			Lancaster Labs Number
QA-T-030111	NA	Water	3978274
MW-1-W-030111	Grab	Water	3978275
MW-2-W-030111	Grab	Water	3978276
MW-3-W-030111	Grab	Water	3978277

1 COPY TO Delta C/O Gettler-Ryan Attn: Deanna L. Harding

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

Respectfully Submitted,

Steven A. Skiles
Sr. Chemist

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 3978274

Collected:01/11/2003 00:00

Account Number: 10905

Submitted: 01/15/2003 10:00
Reported: 01/27/2003 at 19:45
Discard: 02/27/2003
QA-T-030111 NA Water
Facility# 93600 Job# 386895 GRD
2200 TELEGRAPH AV-OAKLAND 187 QA

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

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.					
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

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	01/16/2003 21:12	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	01/16/2003 21:12	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	01/16/2003 21:12	Melissa D Mann	n.a.

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

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

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 3978275

Collected:01/11/2003 00:00 by KK

Account Number: 10905

Submitted: 01/15/2003 10:00
Reported: 01/27/2003 at 19:45
Discard: 02/27/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-1-W-030111 Grab Water
Facility# 93600 Job# 386895 GRD
2200 TELEGRAPH AV-OAKLAND 187 MW-1

600M1

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.	1,600.	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.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	7.1	0.50	ug/l	1
00777	Toluene	108-88-3	0.51	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	53.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	13.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	280.	2.5	ug/l	1
01595	Oxygenates by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	270.	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	7.	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	01/17/2003 01:32	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	01/17/2003 01:32	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	01/23/2003 23:59	Kenneth L Boley Jr	1
01595	Oxygenates by 8260B	SW-846 8260B	1	01/24/2003 07:38	Kelly L Hoffer	2.5
01146	GC VOA Water Prep	SW-846 5030B	1	01/17/2003 01:32	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	01/23/2003 23:59	Kenneth L Boley Jr	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	01/24/2003 07:38	Kelly L Hoffer	n.a.

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

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 3978276

Collected:01/11/2003 00:00 by KK

Account Number: 10905

Submitted: 01/15/2003 10:00
Reported: 01/27/2003 at 19:45
Discard: 02/27/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-2-W-030111 Grab Water
Facility# 93600 Job# 386895 GRD
2200 TELEGRAPH AV-OAKLAND 187 MW-2

600M2

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.					
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
01595	Oxygenates by 8260B					
02010	Methyl Tertiary 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	01/16/2003 21:44	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	01/16/2003 21:44	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	01/24/2003 00:25	Kenneth L Boley Jr	1
01146	GC VOA Water Prep	SW-846 5030B	1	01/16/2003 21:44	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	01/24/2003 00:25	Kenneth L Boley Jr	n.a.

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

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

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 3978277

Collected:01/11/2003 00:00 by KK

Account Number: 10905

Submitted: 01/15/2003 10:00
Reported: 01/27/2003 at 19:45
Discard: 02/27/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-3-W-030111 Grab Water
Facility# 93600 Job# 386895 GRD
2200 TELEGRAPH AV-OAKLAND 187 MW-3

600M3

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.					
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
01595	Oxygenates by 8260B					
02010	Methyl Tertiary 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	01/16/2003 22:17	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	01/16/2003 22:17	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	01/24/2003 00:52	Kenneth L Boley Jr	1
01146	GC VOA Water Prep	SW-846 5030B	1	01/16/2003 22:17	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	01/24/2003 00:52	Kenneth L Boley Jr	n.a.

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

Lancaster Laboratories

Quality Control Summary

Client Name: ChevronTexaco Group Number: 837880
Reported: 01/27/03 at 07:45 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 03015A55B	Sample number(s): 3978274-3978277							
Benzene	N.D.	.2	ug/l	98	104	80-118	6	30
Toluene	N.D.	.2	ug/l	103	110	82-119	6	30
Ethylbenzene	N.D.	.2	ug/l	104	111	81-119	7	30
Total Xylenes	N.D.	.6	ug/l	104	111	82-120	6	30
Methyl tert-Butyl Ether	N.D.	.3	ug/l	107	114	79-127	6	30
TPH-GRO - Waters	N.D.	50.	ug/l	102	99	74-116	3	30
Batch number: N030232AA	Sample number(s): 3978275-3978277							
Methyl Tertiary Butyl Ether	N.D.	.5	ug/l	102		77-127		
di-Isopropyl ether	N.D.	.5	ug/l	92		74-125		
Ethyl t-butyl ether	N.D.	.5	ug/l	101		74-120		
t-Amyl methyl ether	N.D.	.5	ug/l	100		71-114		
t-Butyl alcohol	N.D.	5.	ug/l	81		59-139		
Batch number: N030232AB	Sample number(s): 3978275							
Methyl Tertiary Butyl Ether	N.D.	.5	ug/l	102		77-127		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 03015A55B	Sample number(s): 3978274-3978277								
Benzene	103	106	83-130	2	30				
Toluene	107	108	87-129	1	30				
Ethylbenzene	106	109	86-133	3	30				
Total Xylenes	106	109	86-132	2	30				
Methyl tert-Butyl Ether	110	110	66-140	0	30				
TPH-GRO - Waters	121	124	74-132	2	30				
Batch number: N030232AA	Sample number(s): 3978275-3978277								
Methyl Tertiary Butyl Ether	106	97	69-134	8	30				
di-Isopropyl ether	97	90	68-133	8	30				
Ethyl t-butyl ether	106	100	73-123	6	30				
t-Amyl methyl ether	105	97	69-118	7	30				
t-Butyl alcohol	82	78	51-148	5	30				
Batch number: N030232AB	Sample number(s): 3978275								
Methyl Tertiary Butyl Ether	106	97	69-134	8	30				

Surrogate Quality Control

Analysis Name: BTEX, MTBE (8021)
Batch number: 03015A55B

	Trifluorotoluene-F	Trifluorotoluene-P
3978274	107	116
3978275	129	121

*- 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.

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

Lancaster Laboratories

Quality Control Summary

Client Name: ChevronTexaco
Reported: 01/27/03 at 07:45 PM

Group Number: 837880

Surrogate Quality Control

3978276	107	115
3978277	107	115
Blank	102	116
LCS	110	114
LCSD	111	115
MS	120	118
MSD	117	117
Limits:	57-146	71-130

Analysis Name: Oxygenates by 8260B
Batch number: N030232AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3978275	102	94	99	102
3978276	104	96	97	95
3978277	105	98	98	96
Blank	105	96	97	96
LCS	104	97	99	101
MS	104	98	99	101
MSD	105	97	99	100
Limits:	86-118	80-120	88-110	86-115

Analysis Name: 8260 Master Scan (water)
Batch number: N030232AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	105	100	98	97
LCS	104	97	99	101
MS	104	98	99	101
MSD	105	97	99	100
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.