GETTLER-RYAN INC.

TRANSMITTAL

November 22, 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	November 12, 2002	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of October 8, 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 ***December 6, 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.

November 12, 2002
G-R Job #386895

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

RE: Fourth Quarter Event of October 8, 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.

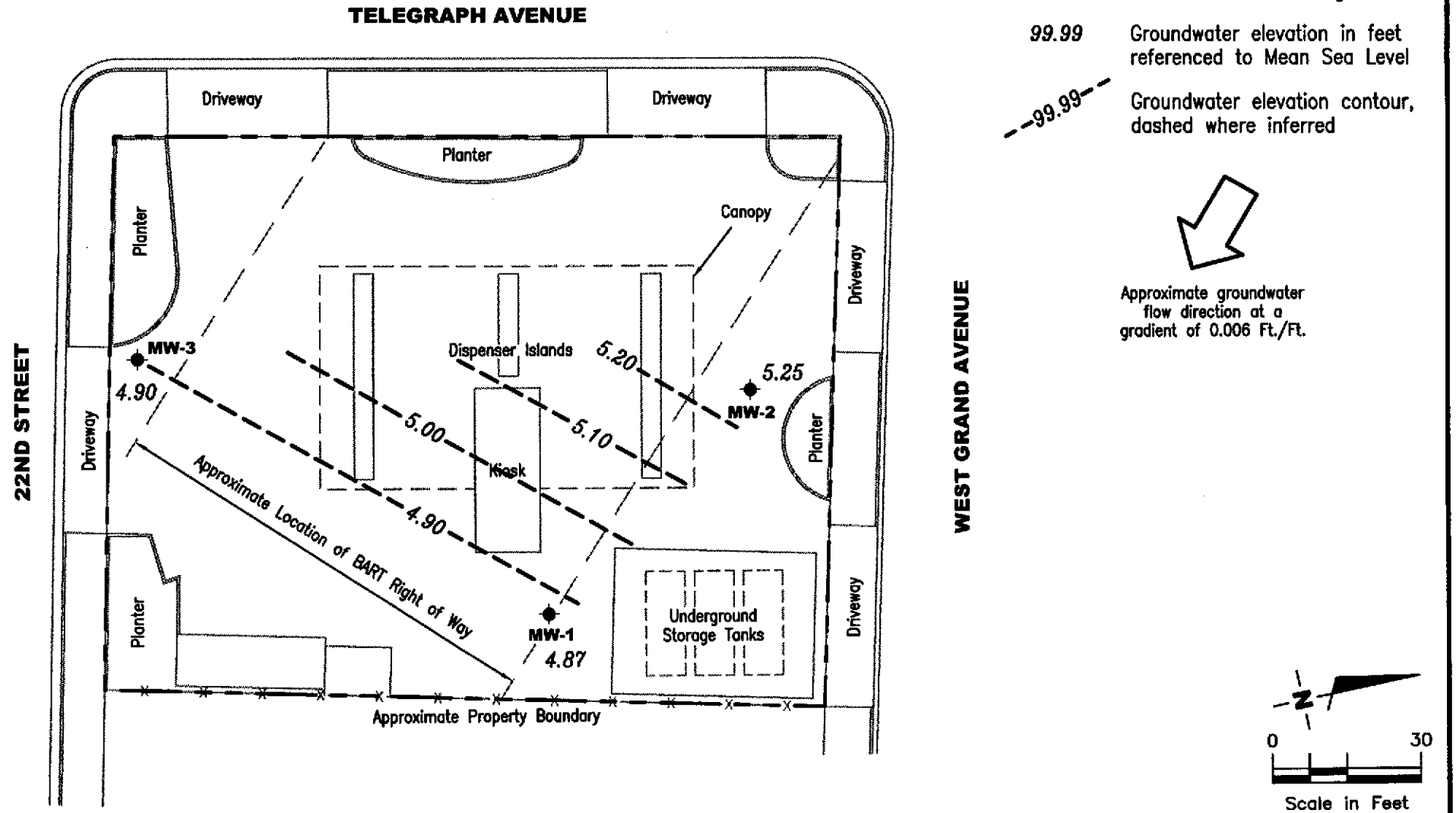
Sincerely,

Joanmarie Noreau
FOR
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		October 8, 2002	

FILE NAME: P:\ENVIRO\CHEVRON\9-3600\Q02-9-3600.DWG | Layout Tab: Pot4

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]**
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]**
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]**
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**

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
	10/08/02	**110**	**360**	**<2**	**<2**	**8**
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**
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**

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, 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: 10/8/02 (inclusive)
City: Oakland, CA Sampler: Kelly

Well ID: MW-1 Well Condition: OK
Well Diameter: 2 in.
Total Depth: 20.00 ft.
Depth to Water: 12.20 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

7.8 xVF 0.17 = 1.32 x3 (case volume) = Estimated Purge Volume: 3.97 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): 1145 Weather Conditions: clear
Sample Time/Date: 1207 10/8/02 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)
1150	1.5	7.13	469	23.7		
1155	3.0	6.54	[illegible]	23.0		
1158	4.0	6.41	[illegible]	22.7		

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: 10/8/02 (inclusive)
City: Oakland, CA Sampler: KKelly

Well ID MW-2 Well Condition: OK
Well Diameter 2 in.
Total Depth 20.00 ft.
Depth to Water 11.57 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

8.43 xVF 0.17 = 1.43 x3 (case volume) = Estimated Purge Volume: 4.29 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): 1110 Weather Conditions: clear
Sample Time/Date: 1132 / 10/8/02 Water Color: Cloudy - tan Odor: No
Purging Flow Rate: gpm. Sediment Description: Light Silt
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)
1115	1.5	6.57	550	23.0		
1121	3.0	6.36	563	22.1		
1129	5.0	6.31	566	21.3		

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: 10/8/02 (inclusive)
City: Oakland, CA Sampler: KKelly

Well ID MW-3 Well Condition: ok
Well Diameter 2 in.
Total Depth 20.00 ft.
Depth to Water 11.62 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

8.38 xVF 0.17 = 1.42 x3 (case volume) = Estimated Purge Volume: 4.27 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): 1036 Weather Conditions: Clear
Sample Time/Date: 1055 / 10/8/02 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)
1040	1.5	6.95	440	26.7		
1044	3.0	6.29	390	23.1		
1048	5.0	6.32	386	22.9		

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. #: 10904 Sample #: 3916849-52 SCR#:

160902-005

SR# 826409

Facility #: 9-3600 Job #386895 Global ID#NA
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:

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	Water	Oil ☐ Air ☐	Total Number of Containers	Preservation Codes: H	H			H								Analyses Requested: 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	10-8-02					W		2													X	X				
MW-1	10-8-02	1207	X			X		6													X	X			X	
MW-2	10-8-02	1132	X			X		6													X	X			X	
MW-3	10-8-02	1055	X			X		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

	Relinquished by:	Date	Time	Received by:	Date	Time
1	Kristina Kelly	10/9/02			10/9/02	1800
2		10/9/02	1500	Cristobal Amaya	10902	1500
3	Cristobal Amaya	10-10-02	1530	Airborne	10-10-02	
	Relinquished by Commercial Carrier: UPS FedEx Other Airborne			Received by:	10/11/02	0935
	Temperature Upon Receipt 2.5 C°			Custody Seals Intact? Yes No		

3460 Rev. 7/30/01

Analysis Report

Lancaster Laboratories
Where quality is a science.

ANALYTICAL RESULTS

Prepared for:

RECEIVED
OCT 21 2002
GETTLER-RYAN INC.
GENERAL CONTRACTORS

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583-0904
925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 826409. Samples arrived at the laboratory on Friday, October 11, 2002. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			Lancaster Labs Number
QA-T-021008	NA	Water	3916849
MW-1-W-021008	Grab	Water	3916850
MW-2-W-021008	Grab	Water	3916851
MW-3-W-021008	Grab	Water	3916852

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

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

Respectfully Submitted,

Steve Stabinger
Group Leader

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
Where quality is a science.

Lancaster Laboratories Sample No. WW 3916849

Collected:10/08/2002 00:00

Account Number: 10905

Submitted: 10/11/2002 09:15
Reported: 10/24/2002 at 20:52
Discard: 11/24/2002
QA-T-021008 NA Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583-0904

Facility# 93600 Job# 386895 GRD
2200 Telegraph Ave 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.	100.	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.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	2.0	ug/l	1
02164	Toluene	108-88-3	N.D.	2.0	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	2.0	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	5.0	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	10.	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	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	10/11/2002 19:27	Melissa D Mann	1
02159	BTEX, MTBE	SW-846 8021B	1	10/11/2002 19:27	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/11/2002 19:27	Melissa D Mann	n.a.

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

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3916850

Collected:10/08/2002 12:07 by KK

Account Number: 10905

Submitted: 10/11/2002 09:15
Reported: 10/24/2002 at 20:53
Discard: 11/24/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310

MW-1-W-021008 Grab Water

San Ramon CA 94583-0904

Facility# 93600 Job# 386895 GRD
2200 Telegraph Ave NA MW-1

TELM1

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.	1,400.	500.	ug/l	5

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.

02159	BTEX, MTBE					
02161	Benzene	71-43-2	9.2	10.	ug/l	5
02164	Toluene	108-88-3	N.D.	10.	ug/l	5
02166	Ethylbenzene	100-41-4	75.	10.	ug/l	5
02171	Total Xylenes	1330-20-7	20.	25.	ug/l	5
02172	Methyl tert-Butyl Ether	1634-04-4	440.	50.	ug/l	5

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 nature of the sample matrix, normal reporting limits were not attained for toluene.

01595	Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	360.	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	8.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	110.	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	10/11/2002 22:24	Melissa D Mann	5

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

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

MEMBER ACIL

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3916850

Collected:10/08/2002 12:07 by KK

Account Number: 10905

Submitted: 10/11/2002 09:15
Reported: 10/24/2002 at 20:53
Discard: 11/24/2002
MW-1-W-021008 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583-0904

Facility# 93600 Job# 386895 GRD
2200 Telegraph Ave NA MW-1

TELM1

02159	BTEX, MTBE	SW-846 8021B	1	10/11/2002 22:24	Melissa D Mann	5
01595	Oxygenates by 8260B	SW-846 8260B	1	10/18/2002 03:59	Kenneth L Boley Jr	1
01595	Oxygenates by 8260B	SW-846 8260B	1	10/18/2002 11:50	Kenneth L Boley Jr	2.5
01146	GC VOA Water Prep	SW-846 5030B	1	10/11/2002 22:24	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/18/2002 03:59	Kenneth L Boley Jr	n.a.

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

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3916851

Collected:10/08/2002 11:32 by KK

Account Number: 10905

Submitted: 10/11/2002 09:15
Reported: 10/24/2002 at 20:53
Discard: 11/24/2002
MW-2-W-021008 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583-0904

Facility# 93600 Job# 386895 GRD
2200 Telegraph Ave NA MW-2

TELM2

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.	100.	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.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	2.0	ug/l	1
02164	Toluene	108-88-3	N.D.	2.0	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	2.0	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	5.0	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	10.	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	10/11/2002 21:13	Melissa D Mann	1
02159	BTEX, MTBE	SW-846 8021B	1	10/11/2002 21:13	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	10/18/2002 04:25	Kenneth L Boley Jr	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/11/2002 21:13	Melissa D Mann	n.a.

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

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Lancaster Laboratories Sample No. WW 3916851

Collected:10/08/2002 11:32 by KK Account Number: 10905

Submitted: 10/11/2002 09:15 ChevronTexaco
Reported: 10/24/2002 at 20:53 6001 Bollinger Canyon Rd L4310
Discard: 11/24/2002
MW-2-W-021008 Grab Water San Ramon CA 94583-0904

Facility# 93600 Job# 386895 GRD
2200 Telegraph Ave NA MW-2

TELM2
01163 GC/MS VOA Water Prep SW-846 5030B 1 10/18/2002 04:25 Kenneth L Boley Jr n.a.

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

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3916852

Collected:10/08/2002 10:55 by KK

Account Number: 10905

Submitted: 10/11/2002 09:15
Reported: 10/24/2002 at 20:53
Discard: 11/24/2002
MW-3-W-021008 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583-0904

Facility# 93600 Job# 386895 GRD
2200 Telegraph Ave NA MW-3

TELM3

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.	100.	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.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	2.0	ug/l	1
02164	Toluene	108-88-3	N.D.	2.0	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	2.0	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	5.0	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	10.	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	10/11/2002 21:49	Melissa D Mann	1
02159	BTEX, MTBE	SW-846 8021B	1	10/11/2002 21:49	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	10/22/2002 19:03	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/11/2002 21:49	Melissa D Mann	n.a.

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

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717-656-2300 Fax: 717-656-2681

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Lancaster Laboratories Sample No. WW 3916852

Collected:10/08/2002 10:55 by KK

Account Number: 10905

Submitted: 10/11/2002 09:15
Reported: 10/24/2002 at 20:53
Discard: 11/24/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310

MW-3-W-021008 Grab Water

San Ramon CA 94583-0904

Facility# 93600 Job# 386895 GRD
2200 Telegraph Ave NA MW-3

TELM3

01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/22/2002 19:03	John B Kiser	n.a.

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

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Quality Control Summary

Client Name: ChevronTexaco Group Number: 826409
Reported: 10/24/02 at 08:53 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: 02283A56B	Sample number(s): 3916849-3916852							
TPH-GRO - Waters	N.D.	50.	ug/l	93	100	74-116	7	30
Benzene	N.D.	.5	ug/l	93	100	80-118	7	30
Toluene	N.D.	.5	ug/l	99	108	82-119	9	30
Ethylbenzene	N.D.	.5	ug/l	103	114	81-119	10	30
Total Xylenes	N.D.	1.5	ug/l	105	115	82-120	9	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	105	110	79-127	5	30
Batch number: N022902AB	Sample number(s): 3916850-3916851							
Methyl t-butyl ether	N.D.	.5	ug/l	101		77-127		
di-Isopropyl ether	N.D.	.5	ug/l	101		74-125		
Ethyl t-butyl ether	N.D.	.5	ug/l	97		74-120		
t-Amyl methyl ether	N.D.	.5	ug/l	98		71-114		
t-Butyl alcohol	N.D.	5.	ug/l	99		59-139		
Batch number: N022951AA	Sample number(s): 3916852							
Methyl t-butyl ether	N.D.	.5	ug/l	100		77-127		
di-Isopropyl ether	N.D.	.5	ug/l	103		74-125		
Ethyl t-butyl ether	N.D.	.5	ug/l	100		74-120		
t-Amyl methyl ether	N.D.	.5	ug/l	99		71-114		
t-Butyl alcohol	N.D.	5.	ug/l	86		59-139		

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: 02283A56B	Sample number(s): 3916849-3916852								
TPH-GRO - Waters	89		74-132						
Benzene	101		83-130						
Toluene	108		87-129						
Ethylbenzene	115		86-133						
Total Xylenes	115		86-132						
Methyl tert-Butyl Ether	97		66-140						
Batch number: N022902AB	Sample number(s): 3916850-3916851								
Methyl t-butyl ether	106	106	69-134	0	30				
di-Isopropyl ether	108	107	68-133	1	30				
Ethyl t-butyl ether	105	104	73-123	0	30				
t-Amyl methyl ether	105	104	69-118	1	30				
t-Butyl alcohol	124	119	51-148	4	30				
Batch number: N022951AA	Sample number(s): 3916852								
Methyl t-butyl ether	100	100	69-134	0	30				
di-Isopropyl ether	105	105	68-133	0	30				
Ethyl t-butyl ether	101	102	73-123	1	30				
t-Amyl methyl ether	99	100	69-118	2	30				
t-Butyl alcohol	86	87	51-148	1	30				

*- 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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Alameda County
DEC 11 2002
Environmental Health

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 826409
Reported: 10/24/02 at 08:53 PM

Surrogate Quality Control

Analysis Name: BTEX, MTBE
Batch number: 02283A56B

	Trifluorotoluene-F	Trifluorotoluene-P
3916849	90	96
3916850	81	99
3916851	79	94
3916852	84	96
Blank	81	97
LCS	89	95
LCSD	99	96
MS	89	98
Limits:	57-146	71-130

Analysis Name: Oxygenates by 8260B
Batch number: N022902AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3916850	95	99	102	98
3916851	96	99	100	94
Blank	97	97	100	93
LCS	95	97	98	97
MS	94	95	98	98
MSD	95	96	98	98
Limits:	86-118	80-120	88-110	86-115

Analysis Name: Oxygenates by 8260B
Batch number: N022951AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3916852	100	101	99	94
Blank	99	100	101	96
LCS	97	98	103	101
MS	97	99	102	101
MSD	97	98	103	101
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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