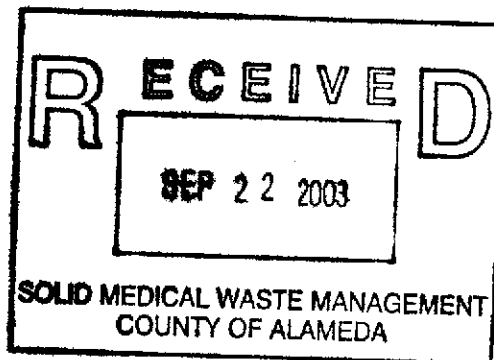


R6 - 475

C A M B R I A

September 16, 2003

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



Re: **Site Assessment/Summary**
Chevron Station #9-6991
2920 Castro Valley Blvd
Castro Valley, California
Cambria Project No.31D-2009



Dear Ms. Streich:

On behalf of Chevron Products Company (Chevron), Cambria Environmental Technology, Inc. (Cambria) submits the results of a subsurface investigation at the site referenced above including a comprehensive site summary. Cambria advanced one boring to confirm whether non-aqueous phase liquid (NAPL) hydrocarbons reported in utility trench boring SB5, as reported by Delta Environmental consultants, Inc. (Delta) in March 2002, is present in groundwater. The scope of work was outlined in Cambria's *Additional Investigation Workplan* dated July 11, 2003. Presented below are site description details, the investigation results and Cambria's conclusions and recommendations.

SITE DESCRIPTION

The site is located at the northeast corner of Castro Valley Blvd. and Anita Ave. in a commercial area of Castro Valley, California (Figure 1). A dry cleaner is located across Anita Avenue to the west of the site. The site elevation is approximately 170 feet (ft) above mean sea level and the topography slopes gently southward toward South Reservoir, a distance of approximately 3,500 ft. The nearest surface water is an unnamed intermittent creek approximately 1,100 ft west of the site. Chevron owns the property and has operated a service station there from 1961 to the present. The underground storage tanks (USTs) were replaced in 1983 and at that time ceased diesel fuel sales. The service station was remodeled into its current configuration in 1990.

**Cambria
Environmental
Technology, Inc.**

5900 Hollis Street
Suite A
Emeryville, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

The site is located within the Castro Valley groundwater basin in a valley between ridges of the Diablo Range. The unconfined water-bearing zone lies within unconsolidated alluvial sediments and exhibits a generally southwestward flow direction toward San Francisco Bay. These water-bearing sediments

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overlie the sedimentary Chico Formation, considered a non-water-bearing formation based on its historically poor groundwater yields.

Current site features consist of a station building, three double-walled fiberglass USTs, two dispenser islands, and associated piping. The former used-oil UST was located northwest of the current station building and the former gasoline UST was located at the northern end of the same excavation as the existing USTs. The former dispenser islands were located south of the station building.



SITE BACKGROUND

1983, UST Replacement: According to Chevron records, all USTs were replaced in 1983 and at that time storage and retail of diesel fuel was terminated. No environmental assessment was conducted.

1990, Tank Removal/Station Remodel: In September 1990, Groundwater Technology, Inc. (GTI) observed the removal of one 1,000-gallon used-oil UST and one 6,000-gallon unleaded gasoline UST from the site. The three remaining USTs were left in place. All product piping at the site was removed and replaced. Records indicate that approximately 700 cubic yards of impacted soil was excavated during tank removal and over excavation activities. Samples collected beneath the product lines and USTs showed only low concentrations of TPHg at 63 mg/kg, TPHd at 140 mg/kg, and oil and grease (TOG) at 12 mg/kg in the remaining unsaturated soil. Grab water samples were collected within the used-oil and fuel UST excavations. Groundwater within the fuel UST excavation contained up to 54,000 µg/l TPHg and 6,200 µg/l benzene. Groundwater from the used-oil UST excavation contained 1,400 µg/l TPHg. Details are available in the GTI December 1990 *Summary Tank Excavation Report*.

1991, Well Installation: In September 1991, Groundwater Technology Inc. (GTI) installed three ¾-inch wells, MW-1, MW-2, and MW-3. No TPHg was detected in any soil samples. Initial groundwater results indicated TPHg concentrations ranging from 81 to 230 µg/l and benzene from 1.9 to 45 µg/l. Details were referenced from the GTI December 1992 *Environmental Assessment Report*.

1992, Well Installation: In September and October 1992, GTI installed 2-inch diameter wells MW-4, MW-5, and MW-6 to further define the extent of hydrocarbons in soil and groundwater beneath the site. No TPHg, benzene, or ethylbenzene were detected in any soil sample. TPHd was detected at 5.0 mg/kg in MW-6 in soil collected at 5.0 fbg. Minor concentrations of toluene and xylenes were also detected just above the method detection limits. MW-6 was installed across Castro Valley Boulevard and downgradient of the site approximately 180 feet away. Initial groundwater analysis of all wells

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indicated maximum concentrations of TPHg, TPHd, and benzene at 600 µg/l, non-detect, and 22 µg/l all detected in MW-6. Based on these data, it was concluded that impact in the vicinity of MW-6 may have been from an offsite source as concentrations in this well were higher than all onsite wells at the time. Details are available in the GTI December 1992 *Environmental Assessment Report*.

1993, Offsite Source Investigation: In March 1993 GTI reviewed public project files of the RWQCB and Alameda County Health Agency (ACHA) and reviewed Castro Valley Sanitary District maps in an attempt to determine possible sources of hydrocarbons detected in offsite well MW-6. The former service station site at 2896 Castro Valley Blvd. was determined to be a possible source, as was the 36-inch diameter storm drain located adjacent to MW-6. Details were referenced from the Weiss December 20, 1994 *Comprehensive Site Evaluation and Proposed Future Action Plan* report.



1995, Well Installation: Well MW-7 was installed in August 1995 to further assess soil and groundwater conditions adjacent to the former pump islands and existing USTs. Analysis of soil from MW-7 indicated 3.7 mg/kg TPHg at approximately 12 fbg. No benzene was detected in soil. Initial groundwater analysis from MW-7 indicated 220 µg/l TPHg, 1,400 µg/l TPHd, and 0.79 µg/l benzene. Details are available in the Gettler-Ryan, Inc. October 1995 *Well Installation Report*.

2002, Utility Trench Investigation: In March 2002, Delta Environmental Consultants, Inc. (Delta) hand augured soil borings SB1 through SB6, advanced on and offsite in the vicinity of adjacent utility trenches. This investigation was requested by the ACHA to determine if utility trenches were providing conduits for hydrocarbon migration. Only SB5 contained hydrocarbons in soil at 250 mg/kg TPHg, 53 mg/kg TPHd, 0.99 mg/kg toluene, and no benzene. Groundwater was encountered in all borings except SB-4. Hydrocarbons were detected in grab groundwater samples from SB2, SB-3, and SB6. SB-3, located immediately downgradient of the source area contained 990 µg/l TPHg, 0.59 µg/l benzene, and 960 µg/l TPHd. SB-2 contained only 200 µg/l TPHg and SB-6 contained only MTBE at 8.5 µg/l. Groundwater was not analyzed from SB-5 due to the presence of NAPL according to Delta's report. However, Delta's boring log for SB-5 indicated only a sheen was present on soil collected at approximately 13 fbg within the saturated zone. The investigation concluded that utility trenches might be creating a barrier for dissolved hydrocarbon migration south and west of the site, resulting in elevated concentrations in the southwest corner of the property near soil borings SB-3 and SB-5. Details are available in the Delta's April 2002 *Soil Boring And Utility Trench Investigation Report*.

INVESTIGATION RESULTS

To complete our proposed scope of work, Cambria advanced one boring, SB-7, to a depth of 20 fbg in the southwest corner of the referenced site. The investigation findings are presented below. The

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boring log is presented as Attachment A. The laboratory analytic report for soil and groundwater is presented as Attachment B. A copy of the Alameda County Public Works Agency (ACPWA) drilling permit is presented as Attachment C.

Boring Installation

Personnel Present: Cambria Staff Geologist Ian Robb conducted fieldwork under the direction of California Registered Geologist Robert C. Foss R.G. #7445.

Permits: ACPWA permit #W03-0678.

Drilling Company: Woodward Drilling of Rio Vista, California, C57 No. 710079.

Drilling Date: July 29, 2003.

Drilling Method: Direct Push drill rig.

Sampling Technique: The borings were vacuum cleared to eight fbg. Soil samples for analysis were collected using a polyethylene macrocore barrel sampler driven into undisturbed sediments. A grab groundwater sample was collected using a disposable bailer after purging three volumes of water from the open boring. Samples were properly sealed, logged on the chain-of-custody form, preserved on ice, and released to the laboratory for analysis.

Soil Disposal: Soil cuttings generated during this investigation were placed in DOT approved 55-gallon drums and sampled for disposal profiling. Integrated Waste Management of Milpitas, California transported the soil cuttings to an appropriate Chevron-approved landfill for disposal.

Site Lithology: The site is primarily underlain by clay and silty clay with lesser amounts of sand and gravel. Groundwater occurs primarily within dense clayey sand with interbedded clay and silty clay. During this investigation, fill material consisting of large gravel with fines were encountered from the surface to approximately eight fbg. The fill is underlain by clayey silt to approximately 16.5 fbg, which is underlain by sandy silt to the total depth explored of 20 fbg.

Groundwater Monitoring Wells: Chevron maintains five onsite and two offsite well. Currently four of seven wells are monitored and sampled. Well MW-1 is sampled annually,

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well MW-2 is sampled semi-annually, and wells MW-3 and MW-7 are sampled quarterly.

Groundwater Depth: Historically, depth to groundwater beneath the site has varied from approximately 8 fbg (MW-3, 10/91) to a maximum depth of 12 fbg (MW-2, 10/92). Groundwater elevations in individual wells have fluctuated seasonally as much as 3.33 ft. During this investigation, groundwater was encountered at approximately 14 fbg.

Groundwater Flow Direction and Gradient: Groundwater flow direction has ranged from northwest to southeast. Predominant flow direction has been southwesterly.



Laboratory Analyses: Based on previous investigations and monitoring data, selected soil and grab groundwater samples were analyzed for:

- TPHg and TPHd by EPA Method 8015M (TPHd samples were prepared with silica gel cleanup);
- BTEX, oxygenates (MTBE, TBA, TAME, ETBE, DIPE), and lead scavengers 1,2 DCA, and EDB by EPA Method 8260B.

SOIL ANALYTIC RESULTS


No benzene or toluene were detected in any soil sample. TPHg and TPHd were detected at maximum concentrations of 430 mg/kg (collected at 13 fbg) and 110 mg/kg (collected at 11.5 fbg), respectively. Ethylbenzene, xylene, and MTBE were detected at concentrations just above detection limits.

GROUNDWATER ANALYTIC RESULTS

No TPHg, TPHd, or BTEX were detected in the grab groundwater sample. MTBE was detected at a concentration of 0.9 µg/l.

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HYDROCARBON DISTRIBUTION IN SOIL



The first generation of USTs were replaced in 1983, but at that time no environmental assessment was conducted including collection of soil or groundwater samples. However, the diesel UST was removed and not replaced thereby removing a potential source of future diesel impacts. In 1990, concurrent with the removal of the used-oil UST, the northernmost fuel UST, and the replacement of all product piping, approximately 700 cubic yards of impacted soil was over-excavated and disposed. Maximum residual TPHg, TPHd, and TOG concentrations in soil were 63 mg/kg (fuel UST excavation), 140 mg/kg (southernmost product piping excavation), and 12 mg/kg (used-oil excavation), respectively. From 1991 through 1995, seven wells were installed on and offsite. No hydrocarbons were detected in soil from onsite wells MW-1 through MW-5. MW-6, located offsite across Castro Valley Blvd., contained 5.0 mg/kg TPHd and minor toluene and xylenes at approximately 5 fbg. MW-7 contained only 3.7 mg/kg TPHg at approximately 12 fbg. In 2002, of the six hand-augured borings advanced, only SB-5 contained hydrocarbons in soil at 250 mg/kg TPHg, 53 mg/kg TPHd, and 0.99 mg/kg toluene. It was reported that NAPL was observed in soil from SB-5 but no groundwater sample was collected to confirm the presence of NAPL. To confirm this observation, boring SB-7 was advanced adjacent to SB-5 in 2003. Maximum TPHg, TPHd, benzene, and MTBE were 430 mg/kg, 110 mg/kg, <0.001 mg/kg, and 0.001 mg/kg, respectively. These source concentrations are several orders of magnitude lower than what would be observed in the presence of NAPL.

HYDROCARBON DISTRIBUTION IN GROUNDWATER

Grab groundwater samples collected during the 1990 UST removal and product piping replacement are reported as containing up to 54,000 µg/l TPHg and 6,200 µg/l benzene in the fuel UST excavation and up to 1,400 µg/l TPHg in the used-oil UST excavation. Quarterly monitoring of groundwater began in October 1991. Sampling of MW-6 was discontinued after the fourth quarter 1994 and sampling of MW-4 and MW-5 was discontinued after the fourth quarter 1995, all due to low to non-detect concentrations. Sampling of MW-1 was reduced to annual after the first quarter 1996 and MW-2 was reduced to semi-annual after fourth quarter 1996. Historical maximum concentrations of TPHg, TPHd, benzene, and MTBE in groundwater were 3,200 µg/l (MW-7, 3/02), 13,000 µg/l (MW-7, 3/02), 260 µg/l (MW-7, 6/01), and 47,000 µg/l (MW-2, 8/98), respectively. MW-7 is located immediately adjacent and downgradient of the UST complex. Of the five borings completed in 2002, maximum concentrations of TPHg, TPHd, benzene, and MTBE were detected at 990 µg/l (SB-3), 960 µg/l (SB-3), 0.59 µg/l (SB-3), and 8.5 µg/l (SB-6), respectively. SB-3 was located in the sidewalk downgradient of the USTs. Groundwater from SB-5 however, was reported as not sampled due to the

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presence of NAPL. SB-7, advanced adjacent to SB-5 in 2003, contained only 0.9 µg/l MTBE and no TPHg, TPHd, or BTEX, suggesting the documentation of NAPL observed in SB-5 was misidentified.

In the four wells currently monitored, results of the fourth quarter 2002 event indicated maximum concentrations of TPHg, TPHd, benzene, and MTBE were 3,700 µg/l (MW-7), 1,600 µg/l (MW-7), 49 µg/l (MW-7), and 1,600 µg/l (MW-3), respectively.

CONCLUSION



Based on the review of historical soil data, minor impacts to soil have been primarily observed surrounding the former used-oil, former northernmost UST, and former southwestern product piping. Impacts to soil appear to be adequately defined. System upgrades and over excavation of impacted soils have removed the primary and secondary sources. Minor concentrations of hydrocarbons have also been detected in shallow soil from borings SB-5 and SB-7 onsite, and in MW-6 offsite. It appears that hydrocarbons detected in soil and groundwater from MW-6 are from another source(s) and appear anomalous given the current data set.

Groundwater monitoring has occurred since October 1991 providing groundwater flow characteristics and defining the limited plume beneath the site. NAPL has never been observed in any wells, and was shown most recently not to exist, as previously reported, in the vicinity of SB-5. Since 1991, concentrations of benzene have decreased to below detection in most wells. Only MW-7 has shown occasional detections of benzene since September 2001, fluctuating between non-detect to a maximum of 3.5 µg/l. This indicates that no new releases have occurred. MW-6, prior to being removed from the sampling schedule, contained 49 µg/l benzene in November 1994. Benzene in MW-6 has likely decreased significantly since that time due to natural attenuation. Concentrations of TPHg and TPHd have decreased more slowly, likely because of low permeability soils beneath the site inhibiting migration and degradation of less volatile constituents. Laboratory reports have regularly reported various detections of TPHg as being composed of gasoline and unidentified hydrocarbons, likely weathered diesel. Laboratory reports have also indicated that most TPHd detections appear as unidentified hydrocarbons between C9-C24 and have classified some detections specifically as weathered diesel fuel. This suggests that although the diesel UST was removed in 1983, residual TPHd detections are primarily degradation products and not a result of an ongoing release or a substantial source remaining in soil. MTBE concentrations spiked toward the end of 1995, primarily in MW-2, MW-3, and MW-7. Concentrations of MTBE have significantly decreased since. Given that other gasoline components did not exhibit a proportional increase at that time, it appears that a

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vapor release may have occurred. Since the elevated concentrations began, and continue to decrease, it appears that no ongoing release of MTBE is occurring.

CLOSING

Based on the current data set, it is estimated that case closure is several years away as a result of residual MTBE in groundwater. Since diesel is no longer retailed at the site, future detections would only be the result of past Chevron operations. Any sharp sustained increase in gasoline components, specifically benzene, or the presence of NAPL, would likely indicate a new release.



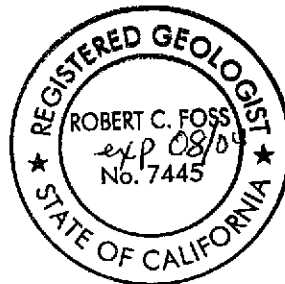
Cambria appreciates the opportunity to work with you on this project. Please contact Albert Simmons at (510) 420-3353 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.

Ian Robb
Staff Geologist

Albert Simmons
Project Geologist

Robert C. Foss, R.G. #7445
Senior Project Geologist



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Figures: 1 - Vicinity Map
2 - Site Map

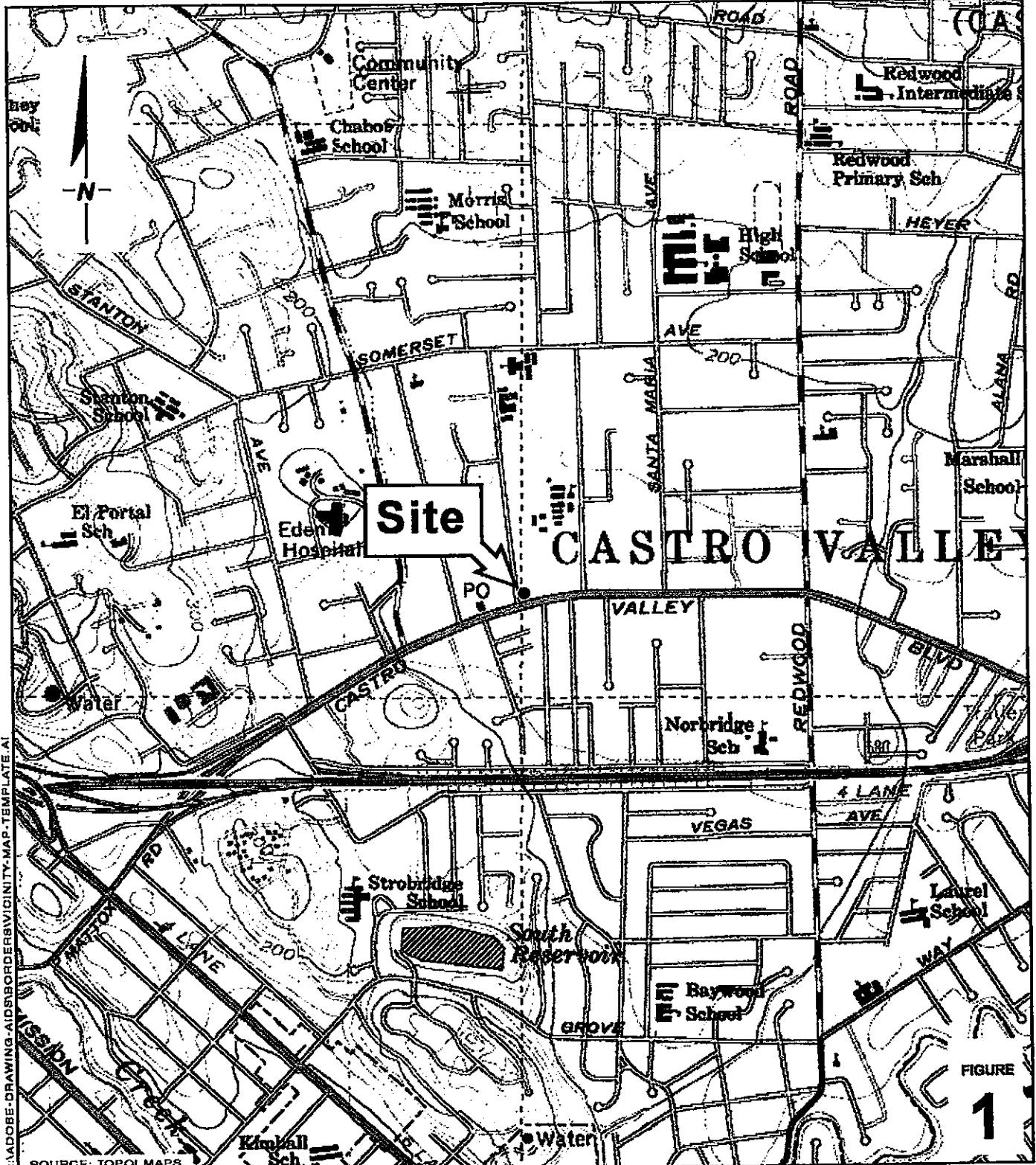
Table: 1 - Analytic Results for Soil and Groundwater

Attachments: A - Boring Log
B - Laboratory Analytic Reports
C - Alameda County Public Works Agency Drilling Permit
D - Fourth Quarter 2002 Monitoring and Sampling Report
E - Historical Data

cc: Ms. Eva Chu, Alameda County Health Care Services, Dept of Environmental Health,
1131 Harbour Bay Parkway, Suite 250, Alameda CA, 94502-6577 (w/o Attachment
E)



I:\9-6991 Castro Valley\9-6991 Add1 investigation for divesment\9-6991 Site Assess-Summary.doc



QUADDER-DRAWING-AIDSBORDERVICINITY-MAP-TEMPLATE.A1

SOURCE: TOPOI MAPS

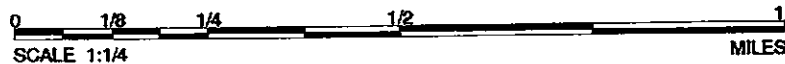


FIGURE 1

Chevron Service Station 9-6991

2920 Castro Valley Boulevard
Castro Valley, California



CAMBRIA

Vicinity Map

EXPLANATION	
MW-7	Monitoring well location
SB-5	Soil boring location
---	Storm Drain
---	Water Line
---	Sanitary Sewer

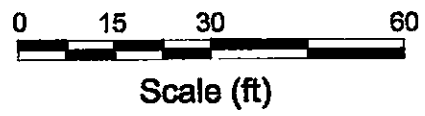
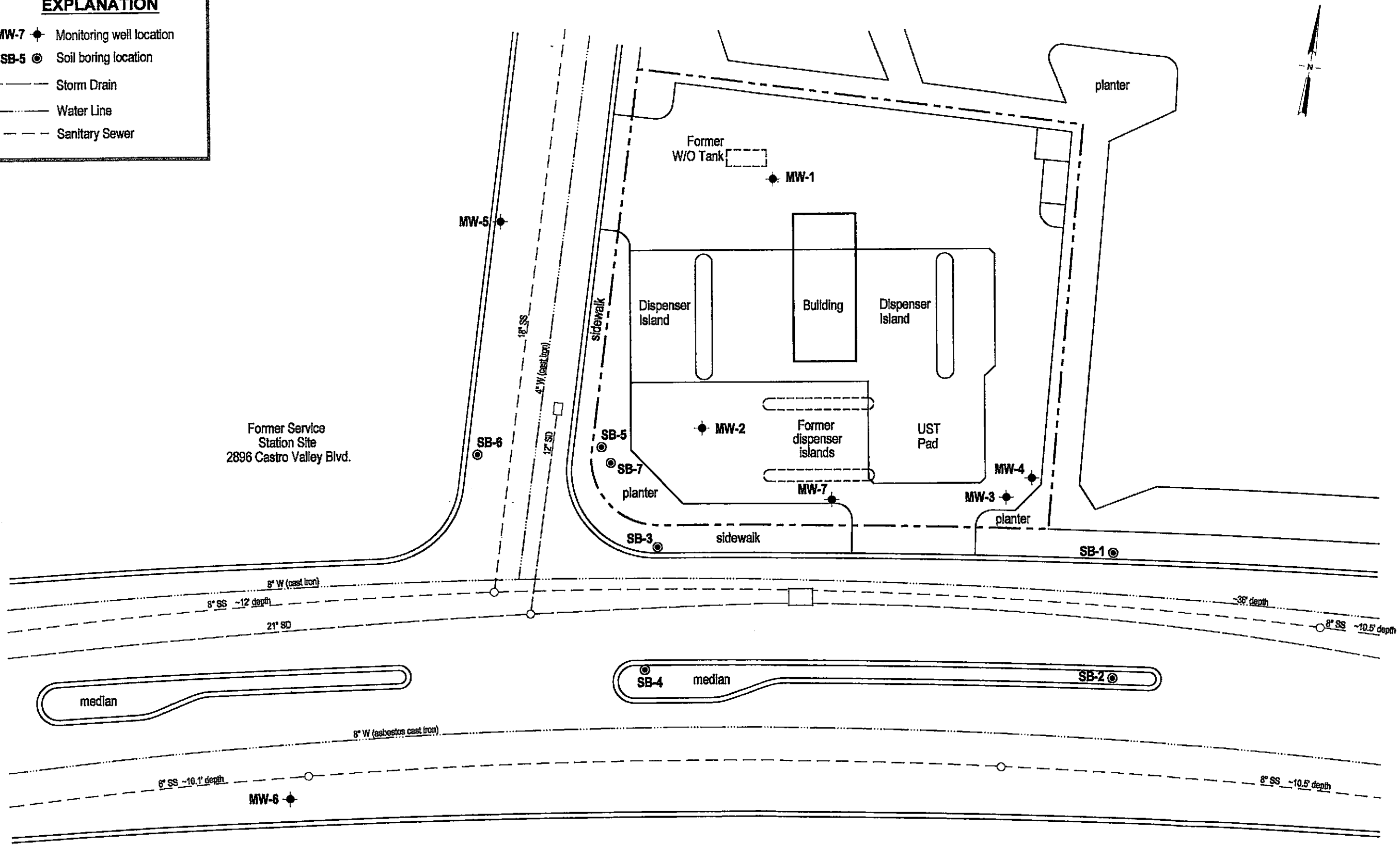


FIGURE
2

Site Plan



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Chevron Service Station 9-6991

2820 Castro Valley Boulevard
Castro Valley, California

139-8881 CASTRO VALLEY (CUES) SITE ANALYSIS

Table 1. Analytic Results for Soil and Grab Groundwater - Chevron Station No. 9-6991, 2920 Castro Valley Boulevard, Castro Valley, CA

Sample ID	Sample Date	Sample Matrix	Sample Depth (fbg)	TPHg	TPHd	B	T	E	X	MTBE*
Concentrations reported in milligrams per kilogram - mg/kg for soil - and µ/L for groundwater										
SB-7@8'	7/29/2003	Soil	8	25	36	<0.001	<0.001	<0.001	<0.001	<0.001
SB-7@11.5'	7/29/2003	Soil	11.5	180	110	<0.001	<0.001	0.018	0.001	<0.001
SB-7@13'	7/29/2003	Soil	13	430	60	<0.005	<0.005	0.044	0.005	<0.005
SB-7@15.5'	7/29/2003	Soil	15.5	<1.0	<10	<0.001	<0.001	<0.001	<0.001	<0.001
SB-7@17'	7/29/2003	Soil	17	<1.0	<10	<0.001	<0.001	<0.001	<0.001	<0.001
SB-7@19.5'	7/29/2003	Soil	19.5	<1.0	<10	<0.001	<0.001	<0.001	<0.001	0.001
SB-7W	7/29/2003	Water	NA	<50	<50	<0.5	<0.5	<0.5	<0.5	0.9

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M

Total petroleum hydrocarbons as diesel (TPHd) by EPA Method 8015M, (analyzed with silica gel cleanup)

Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260B

(MTBE, TBA, ETBE, DIPE, 1&2 DCA and EDB)) by EPA Method 8260B

<x = Not detected above method detection limit

* no other oxygenates or lead scavengers were detected

fbg = Feet below grade

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ATTACHMENT A

Boring Log



Cambria Environmental Technology, Inc.
 5900 Hollis Street, Suite A
 Emeryville, California 94608
 Telephone: (510) 420-0700
 Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	<u>Chevron Products Company</u>	BORING/WELL NAME	<u>SB-7</u>
JOB/SITE NAME	<u>Chevron Service Station 9-6991</u>	DRILLING STARTED	<u>29-Jul-03</u>
LOCATION	<u>2920 Castro Valley Blvd., Castro Valley, CA</u>	DRILLING COMPLETED	<u>29-Jul-03</u>
PROJECT NUMBER	<u>41D-1633</u>	WELL DEVELOPMENT DATE (YIELD)	<u>NA</u>
DRILLER	<u>Woodward Drilling</u>	GROUND SURFACE ELEVATION	<u>Not Surveyed</u>
DRILLING METHOD	<u>Hydraulic push</u>	TOP OF CASING ELEVATION	<u>Not Surveyed</u>
BORING DIAMETER	<u>2"</u>	SCREENED INTERVAL	<u>NA</u>
LOGGED BY	<u>I. Robb</u>	DEPTH TO WATER (First Encountered)	<u>14.0 fbg (29-Jul-03)</u>
REVIEWED BY	<u>B. Foss, RG# 7445</u>	DEPTH TO WATER (Static)	<u>NA</u>
REMARKS			

WELL LOG (TPH-G) : 19-6991 CASTRO VALLEY-6991 ADDL INVESTIGATION FOR DIVESMENT 9-6991. 2003.GPJ DEFAULT.GDT 9/16/03

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				5			Large gravel with fines (Fill)		
25	NA	SB-7@8'		8.0			Clayey SILT. Greenish Gray; dry; 60% silt, 40% clay; high plasticity; low estimated permeability.	8.0	 Portland Type I/II
180	NA	SB-7@11.5'		11.5	ML				
430	NA	SB-7@13'		13.0					
<1.0	NA	SB-7@15.5'		15.5	ML		Clayey SILT. Greenish Gray; moist; 80% silt, 20% clay; moderate plasticity; low estimated permeability.	14.0	
<1.0	NA	SB-7@17'		17.0	ML		Sandy SILT. Brown; moist; 60% silt, 20% sand, 10% clay, 10% gravel; low plasticity; medium estimated permeability.	16.5	
<1.0	NA	SB-7@19.5'		19.5	ML		Sandy SILT. Light Brown; moist; 50% silt, 40% sand, 10% clay; low plasticity; medium estimated permeability.	18.0	
				20.0	ML		Sandy SILT. Brown; moist; 60% silt, 20% sand, 10% clay, 10% gravel; low plasticity; medium estimated permeability.	20.0	Bottom of Boring @ 20 fbg

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ATTACHMENT B

Laboratory Analytic Report



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 861528. Samples arrived at the laboratory on Friday, August 01, 2003. The PO# for this group is 99011184 and the release number is STREICH.

Client Description

SB-7-W-030729 Grab Water

Lancaster Labs Number

4092974

1 COPY TO Cambria Environmental

Attn: Albert Simmons

Questions? Contact your Client Services Representative
Alison M O'Connor at (717) 656-2300.

Respectfully Submitted,


Robert E. Mellinger
Sr Chemist/Coordinator



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 4092974

Collected: 07/29/2003 16:00 by IR

Account Number: 10880

Submitted: 08/01/2003 09:20

ChevronTexaco

Reported: 08/08/2003 at 16:42

6001 Bollinger Canyon Rd L4310

Discard: 09/08/2003

SB-7-W-030729

Grab

Water

San Ramon CA 94583

Facility# 96991

CETR

2920 Castro Valley Castro T0600100324 NA

077WW

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	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.						
02202	TPH-DRO CALUFT (Water) w/Si Gel	n.a.	N.D.	50.	ug/l	1
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.9	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. Out of specification surrogate recoveries were also observed for the matrix spike analysis, indicating a matrix effect.

State of California Lab Certification No. 2116

Trip blank vials were not received by the laboratory for this sample group.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
---------	---------------	--------	--------	------------------------	---------	-----------------



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 4092974**

Collected: 07/29/2003 16:00 by IR

Account Number: 10880

Submitted: 08/01/2003 09:20

ChevronTexaco

Reported: 08/08/2003 at 16:42

6001 Bollinger Canyon Rd L4310

Discard: 09/08/2003

SB-7-W-030729 Grab Water

San Ramon CA 94583

Facility# 96991

CETR

2920 Castro Valley Castro T0600100324 NA

077WW

01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/05/2003 17:17	Michael F Barrow	1
02202	TPH-DRO CALUFT(Water) w/Si Gel	CALUFT-DRO/8015B, Modified	1	08/05/2003 11:37	Tracy A Cole	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	08/08/2003 12:33	Trent S Sprenkle	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/05/2003 17:17	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/08/2003 12:33	Trent S Sprenkle	n.a.
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	08/04/2003 22:30	Felix C Arroyo	1



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



Quality Control Summary

Client Name: ChevronTexaco
 Reported: 08/08/03 at 04:42 PM

Group Number: 861528

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 032160008A TPH-DRO CALUFT(Water) w/Si Gel	N.D.	50.	ug/l	91	101	61-126	10	20
Batch number: 03217A07B TPH-GRO - Waters	N.D.	50.	ug/l	100		70-130		
Batch number: P032191AB Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	99		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	102		74-125		
Ethyl t-butyl ether	N.D.	0.5	ug/l	101		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	92		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	132		53-147		
Benzene	N.D.	0.5	ug/l	96		85-117		
1,2-Dichloroethane	N.D.	0.5	ug/l	107		77-132		
Toluene	N.D.	0.5	ug/l	94		85-115		
1,2-Dibromoethane	N.D.	0.5	ug/l	92		81-114		
Ethylbenzene	N.D.	0.5	ug/l	95		82-119		
Xylene (Total)	N.D.	0.5	ug/l	99		84-120		

Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 03217A07B TPH-GRO - Waters	101	109	70-130	6	30				
Batch number: P032191AB Methyl Tertiary Butyl Ether	108	106	69-134	2	30				
di-Isopropyl ether	106	103	75-130	2	30				
Ethyl t-butyl ether	108	107	73-123	1	30				
t-Amyl methyl ether	102	102	77-117	0	30				
t-Butyl alcohol	118	118	39-155	1	30				
Benzene	116	113	83-128	2	30				
1,2-Dichloroethane	115	113	73-136	2	30				
Toluene	106	106	83-127	0	30				
1,2-Dibromoethane	99	97	78-120	2	30				
Ethylbenzene	109	108	82-134	0	30				
Xylene (Total)	109	108	82-130	0	30				

Surrogate Quality Control

*- 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: 08/08/03 at 04:42 PM

Group Number: 861528

Surrogate Quality Control

Analysis Name: TPH-DRO CALUFT(Water) w/Si Gel
Batch number: 032160008A
Orthoterphenyl

4092974	105
Blank	98
LCS	99
LCSD	112

Limits: 59-139

Analysis Name: TPH-GRO - Waters
Batch number: 03217A07B
Trifluorotoluene-F

4092974	84
Blank	82
LCS	106
MS	110
MSD	114

Limits: 57-146

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: P032191AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4092974	108	114*	95	92
Blank	109	108	95	91
LCS	105	110	97	95
MS	107	114*	95	96
MSD	107	109	94	95

Limits: 81-120 82-112 85-112 83-113

*- 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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Chevron California Region Analysis Request/Chain of Custody



RUSH

For Lancaster Laboratories use only

Acct. #: 10880

Sample #: 4092974

ser#: 86152P

073103-001

Facility #: 9-6991
 Site Address: 2920 Castro Valley Blvd.
 Chevron PM: ~~_____~~ S. Karen Strickhead Consultant: CAMBRIA
 Consultant/Office: EMERYVILLE
 Consultant Prj. Mgr.: Albert Simmons
 Consultant Phone #: (510) 420-3352 Fax #: (510) 420-9170
 Sampler: IAN ROGB
 Service Order #: _____ Non SAR: _____

Analyses Requested

Preservation Codes											

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

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420	7421
SB 7W	H ₂ O			03-07-29	16:00		X	7	X	X	X					X

Comments / Remarks
 * 8260 to include TBA, TAME, ETBE, & DIPE, and 1,2-DCA & GDB, thx

Turnaround Time Requested (TAT) (please circle)

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

Relinquished by: <i>[Signature]</i>	Date: <u>1100</u>	Time: <u>7/31/03</u>	Received by: <i>[Signature]</i>	Date: <u>1100</u>	Time: <u>7/31/03</u>
Relinquished by: <i>[Signature]</i>	Date: <u>7/31/03</u>	Time: <u>1400</u>	Received by: <i>[Signature]</i>	Date: _____	Time: _____
Relinquished by: <i>[Signature]</i>	Date: <u>7/31/03</u>	Time: <u>1530</u>	Received by: <i>[Signature]</i>	Date: <u>7/31/03</u>	Time: <u>1530</u>
Relinquished by Commercial Carrier: <u>Airborne</u>	UPS FedEx <u>Other</u>	Received by: <i>[Signature]</i>	Date: <u>8/1/03</u>	Time: <u>0900</u>	
Temperature Upon Receipt: <u>30</u> °C	Custody Seals Intact? <u>Yes</u> No				

Data Package Options (please circle if required)

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



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 861527. Samples arrived at the laboratory on Friday, August 01, 2003. The PO# for this group is 99011184 and the release number is STREICH.

<u>Client Description</u>			<u>Lancaster Labs Number</u>
SB-7-S-8-030729	NA	Soil	4092968
SB-7-S-11.5-030729	NA	Soil	4092969
SB-7-S-13-030729	NA	Soil	4092970
SB-7-S-15.5-030729	NA	Soil	4092971
SB-7-S-17-030729	NA	Soil	4092972
SB-7-S-19.5-030729	NA	Soil	4092973

1 COPY TO Cambria Environmental

Attn: Albert Simmons

Questions? Contact your Client Services Representative
Alison M O'Connor at (717) 656-2300.

Respectfully Submitted,

Jenifer E. Hess
Group Leader



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. SW 4092968

Collected: 07/29/2003 15:00 by IR

Account Number: 10880

Submitted: 08/01/2003 09:20

ChevronTexaco

Reported: 08/07/2003 at 16:13

6001 Bollinger Canyon Rd L4310

Discard: 09/07/2003

SB-7-S-8-030729

NA

Soil

San Ramon CA 94583

Facility# 96991

CETR

2920 Castro Valley Castro T0600100324 SB-7

CVS8-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01725	TPH-GRO - Soils	n.a.	25.		1.0	mg/kg	25
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.							
02201	TPH-DRO CALUFT(Soils) w/Si Gel	n.a.	36.		10.	mg/kg	1
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).							
07361	BTEX+5 Oxygenates+EDC+EDB						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.001	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.		0.001	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.		0.001	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.		0.001	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.		0.020	mg/kg	1
05460	Benzene	71-43-2	N.D.		0.001	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.		0.001	mg/kg	1
05466	Toluene	108-88-3	N.D.		0.001	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.		0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.		0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.		0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	08/05/2003 00:41	Stephanie A Selis	25
02201	TPH-DRO CALUFT(Soils) w/Si Gel	CALUFT-DRO/8015B, Modified	1	08/05/2003 18:26	Tracy A Cole	1



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 PO Box 12425
 Lancaster, PA 17605-2425
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Lancaster Laboratories Sample No. SW 4092968

Collected: 07/29/2003 15:00 by IR

Account Number: 10880

Submitted: 08/01/2003 09:20

ChevronTexaco

Reported: 08/07/2003 at 16:13

6001 Bollinger Canyon Rd L4310

Discard: 09/07/2003

SB-7-S-8-030729 NA Soil

San Ramon CA 94583

Facility# 96991

CETR

2920 Castro Valley Castro T0600100324 SB-7

CVS8-

07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	08/04/2003 13:59	Susan McMahon-Luu	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	08/04/2003 11:51	Susan McMahon-Luu	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	08/04/2003 12:35	K. Robert Caulfeild-James	n.a.
07004	Extraction - DRO (Soils)	TPH by CA LUFT	1	08/04/2003 17:00	Sally L Appleyard	1



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Lancaster Laboratories Sample No. SW 4092969

Collected: 07/29/2003 15:00 by IR

Account Number: 10880

Submitted: 08/01/2003 09:20

ChevronTexaco

Reported: 08/07/2003 at 16:13

6001 Bollinger Canyon Rd L4310

Discard: 09/07/2003

SB-7-S-11.5-030729 NA Soil

San Ramon CA 94583

Facility# 96991

CETR

2920 Castro Valley Castro T0600100324 SB-7

CVS11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	180.	10.	mg/kg	250
<p>The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.</p> <p>Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.</p>						
02201	TPH-DRO CALUFT(Soils) w/Si Gel	n.a.	110.	10.	mg/kg	1
<p>According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).</p>						
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.001	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	0.018	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	0.001	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
---------	---------------	--------	--------	------------------------	---------	-----------------



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Lancaster Laboratories Sample No. SW 4092969

Collected: 07/29/2003 15:00 by IR

Account Number: 10880

Submitted: 08/01/2003 09:20

ChevronTexaco

Reported: 08/07/2003 at 16:13

6001 Bollinger Canyon Rd L4310

Discard: 09/07/2003

SB-7-S-11.5-030729 NA Soil

San Ramon CA 94583

Facility# 96991

CETR

2920 Castro Valley Castro T0600100324 SB-7

CVS11

01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	08/05/2003 01:19	Stephanie A Selis	250
02201	TPH-DRO CALUFT(Soils) w/Si Gel	CALUFT-DRO/8015B, Modified	1	08/05/2003 20:03	Tracy A Cole	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	08/04/2003 15:49	Susan McMahon-Luu	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	08/04/2003 15:34	Susan McMahon-Luu	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	08/04/2003 11:27	K. Robert Caulfeild-James	n.a.
07004	Extraction - DRO (Soils)	TPH by CA LUFT	1	08/04/2003 17:00	Sally L Appleyard	1



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Lancaster, PA 17605-2425
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Lancaster Laboratories Sample No. SW 4092970

Collected: 07/29/2003 15:10 by IR

Account Number: 10880

Submitted: 08/01/2003 09:20
 Reported: 08/07/2003 at 16:13
 Discard: 09/07/2003
 SB-7-S-13-030729 NA Soil

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

Facility# 96991 CETR
 2920 Castro Valley Castro T0600100324 SB-7

CVS13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	430.	40.	mg/kg	1000
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.						
Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.						
02201	TPH-DRO CALUFT(Soils) w/Si Gel	n.a.	60.	10.	mg/kg	1
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).						
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.005	mg/kg	4.9
02017	di-Isopropyl ether	108-20-3	N.D.	0.005	mg/kg	4.9
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.005	mg/kg	4.9
02019	t-Amyl methyl ether	994-05-8	N.D.	0.005	mg/kg	4.9
02020	t-Butyl alcohol	75-65-0	N.D.	0.098	mg/kg	4.9
05460	Benzene	71-43-2	N.D.	0.005	mg/kg	4.9
05461	1,2-Dichloroethane	107-06-2	N.D.	0.005	mg/kg	4.9
05466	Toluene	108-88-3	N.D.	0.005	mg/kg	4.9
05471	1,2-Dibromoethane	106-93-4	N.D.	0.005	mg/kg	4.9
05474	Ethylbenzene	100-41-4	0.044	0.005	mg/kg	4.9
06301	Xylene (Total)	1330-20-7	0.005	0.005	mg/kg	4.9
The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.						

State of California Lab Certification No. 2116

Laboratory Chronicle



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Lancaster Laboratories Sample No. SW 4092970

Collected: 07/29/2003 15:10 by IR

Account Number: 10880

Submitted: 08/01/2003 09:20
Reported: 08/07/2003 at 16:13
Discard: 09/07/2003
SB-7-S-13-030729 NA Soil

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Facility# 96991 CETR
2920 Castro Valley Castro T0600100324 SB-7

CVS13

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	08/05/2003 12:19	Stephanie A Selis	1000
02201	TPH-DRO CALUFT(Soils) w/Si Gel	CALUFT-DRO/8015B, Modified	1	08/05/2003 20:23	Tracy A Cole	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	08/04/2003 19:13	Susan McMahon-Luu	4.9
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	08/04/2003 17:15	Susan McMahon-Luu	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	08/04/2003 12:16	K. Robert Caulfeild- James	n.a.
07004	Extraction - DRO (Soils)	TPH by CA LUFT	1	08/04/2003 17:00	Sally L Appleyard	1





Lancaster Laboratories Sample No. SW 4092971

Collected: 07/29/2003 15:10 by IR

Account Number: 10880

Submitted: 08/01/2003 09:20
Reported: 08/07/2003 at 16:13
Discard: 09/07/2003
SB-7-S-15.5-030729 NA Soil

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Facility# 96991 CETR
2920 Castro Valley Castro T0600100324 SB-7

CVS15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.	n.a.	N.D.	1.0	mg/kg	25
02201	TPH-DRO CALUFT(Soils) w/Si Gel According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).	n.a.	N.D.	10.	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	mg/kg	1.01
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.01
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.01
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.001	mg/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	08/05/2003 02:35	Stephanie A Selis	25
02201	TPH-DRO CALUFT(Soils) w/Si Gel	CALUFT-DRO/8015B, Modified	1	08/05/2003 20:42	Tracy A Cole	1



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. SW 4092971

Collected: 07/29/2003 15:10 by IR

Account Number: 10880

Submitted: 08/01/2003 09:20

ChevronTexaco

Reported: 08/07/2003 at 16:13

6001 Bollinger Canyon Rd L4310

Discard: 09/07/2003

SB-7-S-15.5-030729 NA Soil

San Ramon CA 94583

Facility# 96991

CETR

2920 Castro Valley Castro T0600100324 SB-7

CVS15

07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	08/04/2003 17:08	Susan McMahon-Luu	1.01
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	08/04/2003 16:53	Susan McMahon-Luu	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	08/04/2003 12:20	K. Robert Caulfeild-James	n.a.
07004	Extraction - DRO (Soils)	TPH by CA LUFT	1	08/04/2003 17:00	Sally L Appleyard	1





Lancaster Laboratories Sample No. SW 4092972

Collected: 07/29/2003 15:30 by IR

Account Number: 10880

Submitted: 08/01/2003 09:20
 Reported: 08/07/2003 at 16:13
 Discard: 09/07/2003

ChevronTexaco
 6001 Bollinger Canyon Rd L4310

SB-7-S-17-030729 NA Soil

San Ramon CA 94583

Facility# 96991 CETR
 2920 Castro Valley Castro T0600100324 SB-7

CVS17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.	n.a.	N.D.	1.0	mg/kg	25
02201	TPH-DRO CALUFT(Soils) w/Si Gel According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).	n.a.	N.D.	10.	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	mg/kg	1.01
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.01
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.01
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.001	mg/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	08/05/2003 03:13	Stephanie A Selis	25
02201	TPH-DRO CALUFT(Soils) w/Si Gel	CALUFT-DRO/8015B, Modified	1	08/05/2003 21:01	Tracy A Cole	1



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. SW 4092972

Collected: 07/29/2003 15:30 by IR

Account Number: 10880

Submitted: 08/01/2003 09:20
Reported: 08/07/2003 at 16:13
Discard: 09/07/2003
SB-7-S-17-030729 NA Soil

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 96991 CETR
2920 Castro Valley Castro T0600100324 SB-7

CVS17

07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	08/04/2003 17:39	Susan McMahon-Luu	1.01
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	08/04/2003 17:04	Susan McMahon-Luu	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	08/04/2003 12:24	K. Robert Caulfeild-James	n.a.
07004	Extraction - DRO (Soils)	TPH by CA LUFT	1	08/04/2003 17:00	Sally L Appleyard	1



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



Lancaster Laboratories Sample No. SW 4092973

Collected: 07/29/2003 15:30 by IR

Account Number: 10880

Submitted: 08/01/2003 09:20
 Reported: 08/07/2003 at 16:14
 Discard: 09/07/2003
 SB-7-S-19.5-030729 NA Soil

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

Facility# 96991 CETR
 2920 Castro Valley Castro T0600100324 SB-7

CVS19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.						
02201	TPH-DRO CALUFT(Soils) w/Si Gel	n.a.	N.D.	10.	mg/kg	1
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).						
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	0.001	0.001	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.001	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	08/05/2003 03:51	Stephanie A Selis	25
02201	TPH-DRO CALUFT(Soils) w/Si Gel	CALUFT-DRO/8015B, Modified	1	08/05/2003 21:21	Tracy A Cole	1



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. SW 4092973

Collected: 07/29/2003 15:30 by IR

Account Number: 10880

Submitted: 08/01/2003 09:20

ChevronTexaco

Reported: 08/07/2003 at 16:14

6001 Bollinger Canyon Rd L4310

Discard: 09/07/2003

SB-7-S-19.5-030729 NA Soil

San Ramon CA 94583

Facility# 96991

CETR

2920 Castro Valley Castro T0600100324 SB-7

CVS19

07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	08/04/2003 18:10	Susan McMahon-Luu	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	08/04/2003 17:11	Susan McMahon-Luu	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	08/04/2003 12:30	K. Robert Caulfeild-James	n.a.
07004	Extraction - DRO (Soils)	TPH by CA LUFT	1	08/04/2003 17:00	Sally L Appleyard	1



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



Quality Control Summary

Client Name: ChevronTexaco
 Reported: 08/07/03 at 04:14 PM

Group Number: 861527

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 03215A34A TPH-GRO - Soils	Sample number(s): 4092968-4092969, 4092971-4092973 N.D.	1.0	mg/kg	103		70-130		
Batch number: 03215A34B TPH-GRO - Soils	Sample number(s): 4092970 N.D.	1.0	mg/kg	103		70-130		
Batch number: 032160004A TPH-DRO CALUFT(Soils) w/Si Gel	Sample number(s): 4092968-4092973 N.D.	10.	mg/kg	73		56-118		
Batch number: D032101AD Methyl Tertiary Butyl Ether	Sample number(s): 4092968-4092973 N.D.	1.	ug/kg	106		75-125		
di-Isopropyl ether	N.D.	1.	ug/kg	122		70-129		
Ethyl t-butyl ether	N.D.	1.	ug/kg	113		71-124		
t-Amyl methyl ether	N.D.	1.	ug/kg	109		70-122		
t-Butyl alcohol	N.D.	20.	ug/kg	79		46-158		
Benzene	N.D.	1.	ug/kg	113		83-118		
1,2-Dichloroethane	N.D.	1.	ug/kg	114		76-126		
Toluene	N.D.	1.	ug/kg	101		81-116		
1,2-Dibromoethane	N.D.	1.	ug/kg	94		77-114		
Ethylbenzene	N.D.	1.	ug/kg	105		82-115		
Xylene (Total)	N.D.	1.	ug/kg	103		82-117		

Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>BKG MAX</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 03215A34A TPH-GRO - Soils	Sample number(s): 4092968-4092969, 4092971-4092973 81	83	70-130	3	30			
Batch number: 03215A34B TPH-GRO - Soils	Sample number(s): 4092970 81	83	70-130	3	30			
Batch number: 032160004A TPH-DRO CALUFT(Soils) w/Si Gel	Sample number(s): 4092968-4092973 69	71	44-124	2	20			
Batch number: D032101AD Methyl Tertiary Butyl Ether	Sample number(s): 4092968-4092973 90	97	57-136	8	30			
di-Isopropyl ether	105	108	55-132	3	30			
Ethyl t-butyl ether	96	101	58-127	6	30			
t-Amyl methyl ether	90	93	58-126	3	30			
t-Butyl alcohol	69	71	14-185	3	30			
Benzene	103	106	52-141	3	30			
1,2-Dichloroethane	98	99	57-137	2	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.



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



Quality Control Summary

Client Name: ChevronTexaco
 Reported: 08/07/03 at 04:14 PM

Group Number: 861527

Sample Matrix Quality Control

Analysis Name	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>
Toluene	99	100	53-137	1	30			
1,2-Dibromoethane	83	85	61-125	3	30			
Ethylbenzene	100	99	50-136	1	30			
Xylene (Total)	96	95	47-139	1	30			

Surrogate Quality Control

Analysis Name: TPH-GRO - Soils
 Batch number: 03215A34A
 Trifluorotoluene-F

4092968	95
4092969	12*
4092971	92
4092972	97
4092973	95
Blank	107
LCS	112
MS	95
MSD	96

Limits: 66-117

Analysis Name: TPH-GRO - Soils
 Batch number: 03215A34B
 Trifluorotoluene-F

4092970	5*
Blank	115
LCS	112
MS	95
MSD	96

Limits: 66-117

Analysis Name: TPH-DRO CALUFT(Soils) w/Si Gel
 Batch number: 032160004A
 Orthoterphenyl

4092968	88
4092969	83
4092970	91
4092971	61
4092972	77

*- 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: 08/07/03 at 04:14 PM

Group Number: 861527

Surrogate Quality Control

4092973 77
 Blank 88
 LCS 74
 MS 85
 MSD 85

Limits: 46-123

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
 Batch number: D032101AD

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4092968	91	78	97	97
4092969	87	93	94	89
4092970	88	87	121	108
4092971	89	87	96	85
4092972	94	89	94	84
4092973	88	82	96	85
Blank	87	86	97	85
LCS	84	89	97	92
MS	84	82	102	86
MSD	86	83	100	86

Limits: 70-129 70-121 70-130 70-128

*- 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.



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

Chevron California Region Analysis Request/Chain of Custody



RUST

For Lancaster Laboratories use only

Acct. #: 10880 Sample #: 4692968-73 SCR#: 861527

073103-003

Facility #: 9-6991
 Site Address: 2920 Castro Valley Blvd.
 Chevron PM: Karen Steich Lead Consultant: CAMBRIA
 Consultant/Office: EMERYVILLE
 Consultant Prj. Mgr.: Albert Simmons
 Consultant Phone #: (510) 420-3352 Fax #: (510) 420-9170
 Sampler: Ian Robb
 Service Order #: _____ Non SAR: _____

Analyses Requested

Preservation Codes									
BTEX + MTBE 8260	TPH 8015 MOD	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	7421	8260	8260	8260
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260	TPH 8015 MOD	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	7421	8260	8260	8260	
SB-7 @ 8'	soil			03-07-09	15:00				1	X	X	X						X		
SB-7 @ 11.5'					15:00															
SB-7 @ 13'					15:10															
SB-7 @ 15.5'					15:10															
SB-7 @ 17'					15:30															
SB-7 @ 19.5'					15:30															

Comments / Remarks
 * 8260 to include TBA, TAME, STBE, & DIPG, and 1,2-DCA & GDB.
 Thx

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) Coalt Deliverable not needed
 WIP (RWQCB)
 Disk

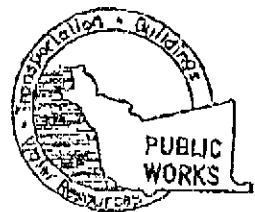
Relinquished by: <u>[Signature]</u>	Date: <u>1100</u>	Time: <u>7/31/03</u>	Received by: <u>[Signature]</u>	Date: <u>1100</u>	Time: <u>7/31/03</u>
Relinquished by: <u>[Signature]</u>	Date: <u>7/31/03</u>	Time: <u>1100</u>	Received by: <u>[Signature]</u>	Date: <u>7/31/03</u>	Time: <u>1530</u>
Relinquished by: <u>[Signature]</u>	Date: <u>7/31/03</u>	Time: <u>1530</u>	Received by: <u>[Signature]</u>	Date: <u>8/1/03</u>	Time: <u>0920</u>
Relinquished by Commercial Carrier: UPS FedEx <u>Other: Airborne</u>	Temperature Upon Receipt: <u>3.0°C</u>		Custody Seals Intact? <u>Yes</u> No		

C A M B R I A



ATTACHMENT C

Drilling Permit



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
390 E. HURST ST. FAYWARD CA. 94544-1395
PHONE (510) 670-5554
FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT
2920 CASTRO VALLEY BLVD.
CASTRO VALLEY, CA

PERMIT NUMBER W03-0678
WELL NUMBER _____
APN _____

CLIENT
Name Chevron Texaco ATTN KAREN STREKH
Address 6001 Colton Way Hayward Phone 925-842-1500
City SAN RAYMOND Zip 94583

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL

1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL/ENVIRONMENTAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind ~~or with compacted rammed~~

E. CATHODIC

Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

BL ATTACHED

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPLICANT
Name IAN Robb - Cambrian Ent
Address 5900 Hollis St. Suite A Phone 510-420-3522
City EMERYVILLE Zip 94608

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input checked="" type="checkbox"/>
Monitoring	<input type="checkbox"/>	Well Destruction	<input type="checkbox"/>

PROPOSED WATER SUPPLY WELL USE

New Domestic	<input type="checkbox"/>	Replacement Domestic	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>
Industrial	<input type="checkbox"/>	Other	<input type="checkbox"/>

DRILLING METHOD:

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Auger	<input type="checkbox"/>
Cable	<input type="checkbox"/>	Other	<input type="checkbox"/>		

DRILLER'S NAME Woodward Drilling

DRILLER'S LICENSE NO. 710079

WELL PROJECTS

Drill Hole Diameter	_____ in.	Maximum	
Casing Diameter	_____ in.	Depth	_____ ft.
Surface Seal Depth	_____ ft.	Owner's Well Number	_____

GEOTECHNICAL PROJECTS

Number of Borings	<u>1</u>	Maximum	
Hole Diameter	<u>2</u> in.	Depth	<u>25</u> ft.

ESTIMATED STARTING DATE 7/29/03
ESTIMATED COMPLETION DATE 7/29/03

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-88.

APPLICANT'S SIGNATURE [Signature] DATE 7/16/03
PLEASE PRINT NAME Ian Robb

APPROVED [Signature] DATE 7-21-03

C A M B R I A



ATTACHMENT D

**Fourth Quarter 2002
Monitoring and Sampling Report**



GETTLER-RYAN INC.

April 23, 2003
G-R Job #385296

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

**RE: Fourth Quarter Event of December 13, 2002
First Quarter Event of March 17, 2003**
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-6991
2920 Castro Valley Boulevard
Castro Valley, California

Dear Ms. Streich:

This report documents the most recent groundwater monitoring and sampling events 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. Potentiometric Maps are included as Figures 1 and 2.

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.

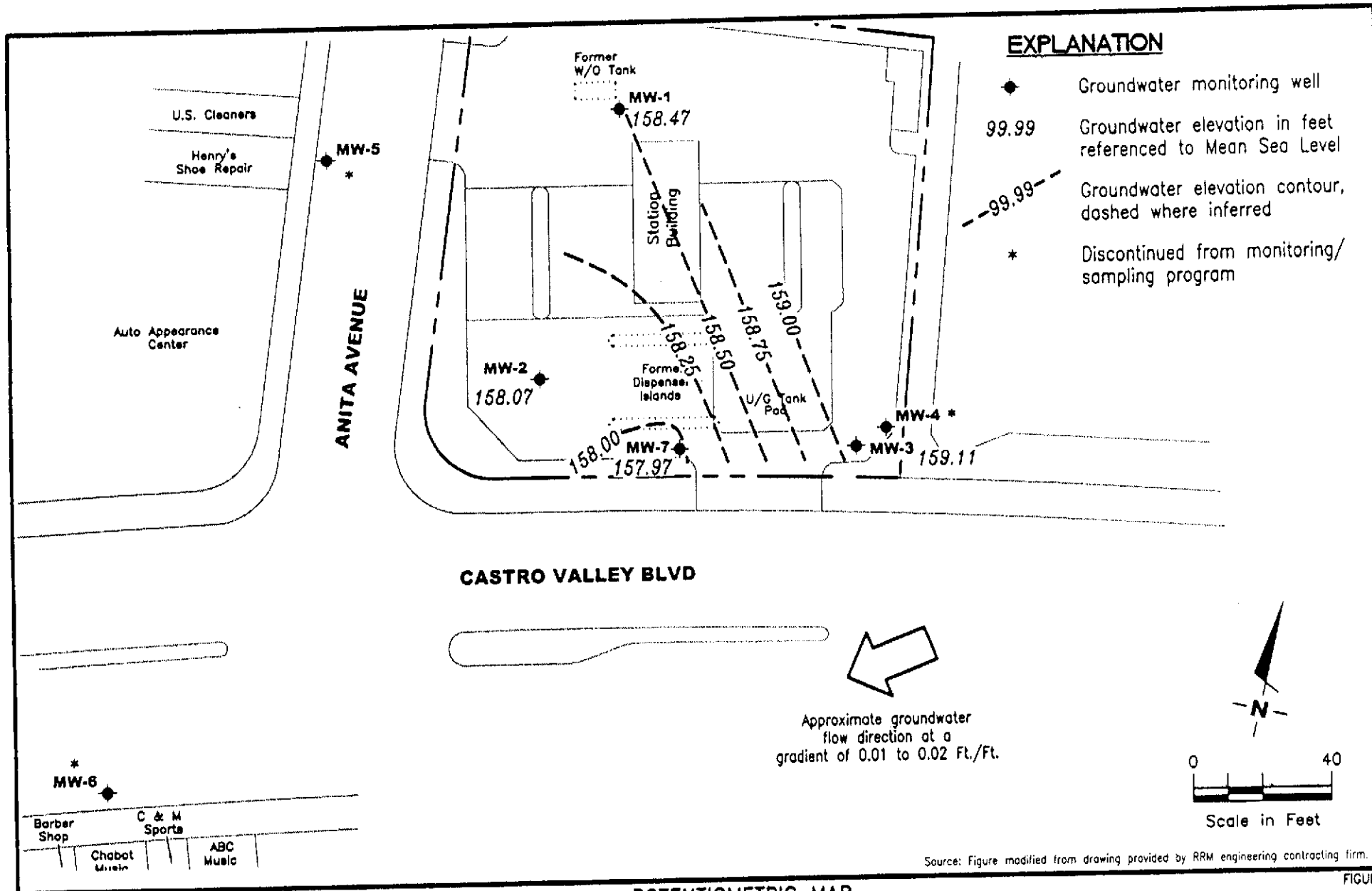
Sincerely,

Deanna L. Harding
Project Coordinator

Robert C. Mallory
Registered Geologist No. 7285



- Figure 1: Potentiometric Map - December 13, 2002
- Figure 2: Potentiometric Map - March 17, 2003
- Table 1: Groundwater Monitoring Data and Analytical Results
- Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



FIGURE

1



GETTLER - RYAN INC.

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

POTENTIOMETRIC MAP

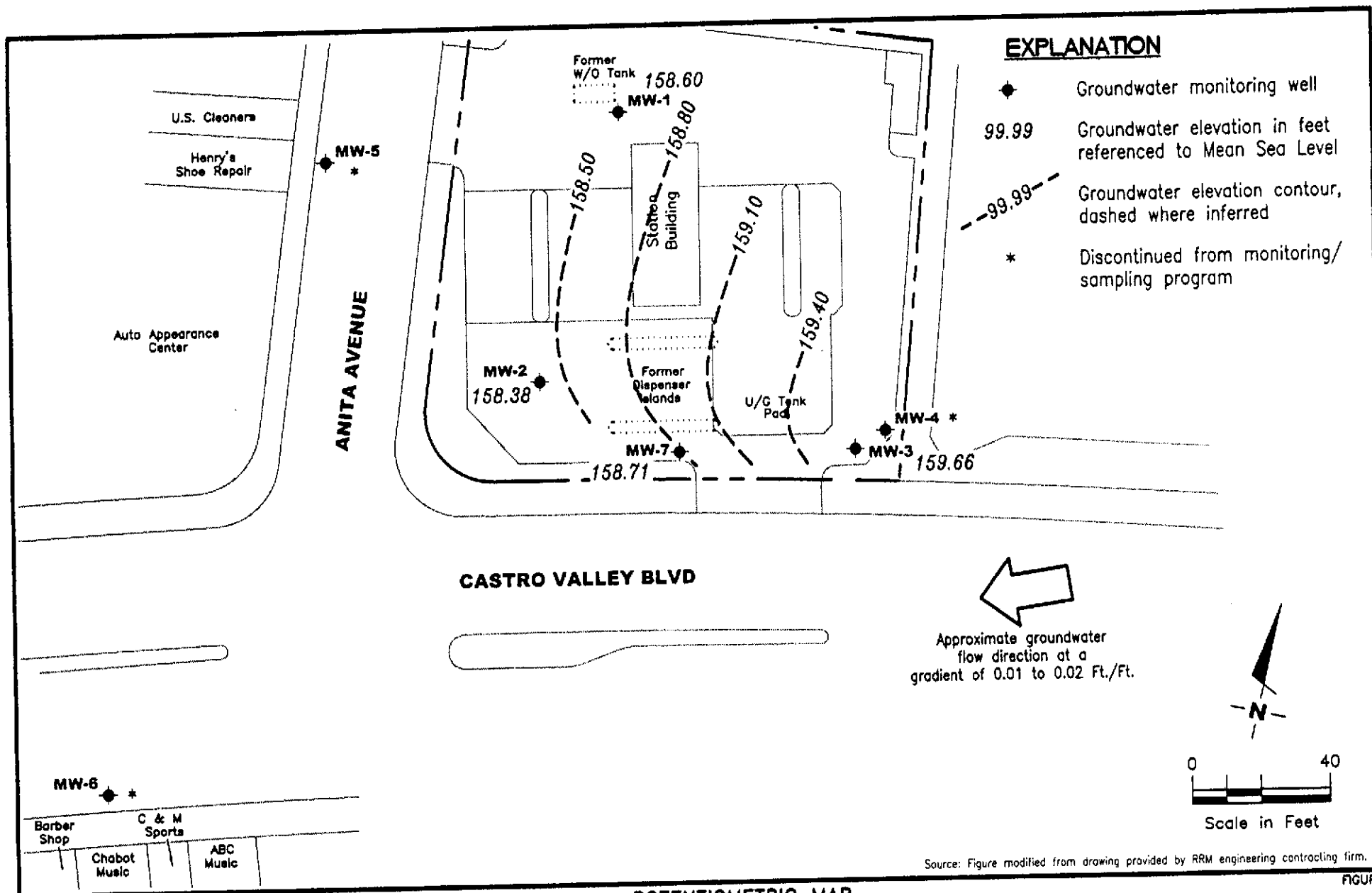
Chevron Service Station #9-6991
2920 Castro Valley Boulevard
Castro Valley, California

DATE
December 13, 2002

REVISED DATE

PROJECT NUMBER
385296

REVIEWED BY



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

POTENTIOMETRIC MAP
 Chevron Service Station #9-6991
 2920 Castro Valley Boulevard
 Castro Valley, California

FIGURE
2

PROJECT NUMBER
385296

REVIEWED BY

DATE
 March 17, 2003

REVISED DATE

Table 1
Groundwater Monitoring Data and Analytical Results
 Chevron Service Station #9-6991
 2920 Castro Valley Boulevard
 Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-1											<5,000
10/08/91	169.30	158.20	11.10	--	230	45	<0.5	0.9	9.1	--	--
11/04/91	169.30	158.27	11.03	--	340	120	<0.5	<0.5	6.1	--	<5,000
12/04/91	169.30	158.25	11.05	170	<50	3.9	<0.5	<0.5	<0.5	--	--
06/05/92	169.30	158.26	11.04	<50	100	26	0.6	0.5	1.0	--	--
10/27/92	169.30	158.20	11.10	54	<50	11	<0.5	<0.5	<0.5	--	--
12/30/92	169.30	--	--	170	<50	24	<0.5	<0.5	<0.5	--	--
01/27/93	169.30	158.67	10.63	--	--	--	--	--	--	--	--
03/05/93	169.30	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/17/93	169.30	158.59	10.71	--	--	--	--	--	--	--	--
06/18/93	169.30	158.29	11.01	<50	<50	0.6	<0.5	<0.5	<1.5	--	--
09/28/93	169.30	157.35	11.95	<50	<50	0.8	<0.5	<0.5	<1.5	--	--
12/30/93	169.30	158.34	10.96	<50	<50	8.5	<0.5	<0.5	<0.5	--	--
04/07/94	169.30	158.49	10.81	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/31/94	169.30	158.38	10.92	<50	<50	1.0	<0.5	<0.5	<0.5	--	--
09/23/94	169.30	158.40	10.90	<50	<50	1.3	<0.5	<0.5	<0.5	--	--
11/30/94	169.30	158.76	10.54	570 ²	<50	8.9	<0.5	<0.5	<0.5	--	--
03/30/95	169.30	158.60	10.70	110 ¹	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/06/95	169.30	158.38	10.92	570 ¹	61	15	<0.5	<0.5	<0.5	--	--
09/25/95	169.30	158.30	11.00	550 ¹	<50	4.7	<0.5	<0.5	<0.5	--	--
12/28/95	169.30	158.50	10.80	330 ¹	72	9.1	0.65	<0.5	<0.5	6.0	--
03/05/96	169.30	159.20	10.10	780 ¹	<50	7.8	<0.5	<0.5	<0.5	<2.5	--
09/13/96	169.30	158.28	11.02	SAMPLED ANNUALLY		--	--	--	--	--	--
12/19/96	169.30	158.08	11.22	--	--	--	--	--	--	--	--
03/20/97	169.30	158.40	10.90	350 ¹	<50	2.2	<0.5	<0.5	<0.5	<2.5	--
06/27/97	169.30	158.27	11.03	--	--	--	--	--	--	--	--
09/19/97	169.30	158.34	10.96	--	--	--	--	--	--	--	--
12/05/97	169.30	158.62	10.68	--	--	--	--	--	--	--	--
03/31/98	169.30	158.67	10.63	760 ¹	<50	6.7	<0.5	<0.5	<0.5	<2.5	--
06/19/98	169.30	159.62	9.68	--	--	--	--	--	--	--	--
08/13/98	169.30	157.67	11.63	--	--	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Chevron Service Station #9-6991
 2920 Castro Valley Boulevard
 Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-2 (cont)											
06/18/93	169.15	157.41	11.74	<50	<50	1.4	<0.5	<0.5	<1.5	--	--
09/28/93	169.15	157.97	11.18	<50	<50	0.6	<0.5	<0.5	<1.5	--	--
12/30/93	169.15	158.34	21.00	<50	<50	0.9	<0.5	<0.5	<0.5	--	--
04/07/94	169.15	158.40	10.75	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/31/94	169.15	158.35	10.80	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/23/94	169.15	157.50	11.65	120	<50	0.7	<0.5	<0.5	<0.5	--	--
11/30/94	169.15	158.41	10.74	570 ⁴	55	2.9	<0.5	1.4	0.94	--	--
03/30/95	169.15	158.25	10.90	430 ¹	91	4.5	<0.5	3.8	<0.5	--	--
06/06/95	169.15	157.73	11.42	410 ¹	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/25/95	169.15	157.52	11.63	220 ¹	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/28/95	169.15	157.98	11.17	120 ¹	<2,000	<20	<20	<20	<20	5,000	--
03/05/96	169.15	159.09	10.06	860 ¹	<2,000	<20	<20	<20	<20	10,000	--
09/13/96	169.15	157.37	11.78	1,300	1,100	25	<10	<10	<10	20,000	--
12/19/96	169.15	158.30	10.85	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
03/20/97	169.15	157.75	11.40	190 ¹	2400	<10	<10	46	<10	6,200	--
06/27/97	169.15	157.35	11.80	--	--	--	--	--	--	--	--
09/19/97	169.15	157.43	11.72	60 ¹	<50	<0.5	<0.5	<0.5	<0.5	280	--
12/08/97	169.15	158.27	10.88	--	--	--	--	--	--	--	--
03/31/98	169.15	158.46	10.69	220 ¹	110	30	0.74	0.74	0.59	1,000	--
06/19/98	169.15	159.31	9.84	--	--	--	--	--	--	--	--
08/31/98	169.15	157.43	11.72	380 ¹	<100	3.4	<1.0	<1.0	<1.0	980	--
12/17/98	169.15	157.60	11.55	--	--	--	--	--	--	480	--
03/19/99	169.15	158.63	10.52	107 ⁴	<250	12.7	<2.5	<2.5	<2.5	1,040/819 ¹³	--
06/23/99	169.15	159.61	9.54	--	--	--	--	--	--	--	--
09/16/99	169.15	157.54	11.61	84.9	<100	<1.0	<1.0	<1.0	<1.0	216	--
12/16/99	169.15	157.86	11.29	--	--	--	--	--	--	--	--
03/02/00	169.15	158.70	10.45	<50	84.8	21.5	<0.5	<0.5	0.636	413	--
06/30/00	169.15	159.08	10.07	--	--	--	--	--	--	--	--
09/30/00	NP	169.15	157.54	100 ¹¹	<50	<0.50	0.57	<0.50	1.0	2,800	--
12/19/00		169.15	158.04	--	--	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-6991
2920 Castro Valley Boulevard
Castro Valley, California

WELL ID/ DATE	TOC (%)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-3 (cont)											
09/25/95	169.11	158.11	11.00	260 ¹	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/28/95	169.11	158.96	10.15	200 ¹	<250	<2.5	<2.5	<2.5	<2.5	1,400	--
12/17/98	169.11	158.86	10.25	130 ¹	<250	<2.5	<2.5	<2.5	<2.5	62,000	--
03/19/99	169.11	159.37	9.74	139 ¹	<1,000	<10	<10	<10	<10	5,650/5,850 ¹³	--
06/23/99	169.11	158.40	10.71	61.6 ¹	<2,000	<20	<20	<20	<20	6,700	--
09/16/99	169.11	157.44	11.67	122	<1,000	<10	<10	<10	<10	1,910	--
12/16/99	169.11	158.79	10.32	--	--	--	--	--	--	5,850	--
12/20/00	169.11	158.91	10.20	96.8 ¹	65.2	<0.5	<0.5	<0.5	<0.5	1,790	--
03/02/00	169.11	160.26	8.85	<50	<50	<0.5	<0.5	<0.5	<0.5	5,600	--
06/30/00	169.11	158.81	10.30	<50	360 ⁵	<0.50	<0.50	<0.50	<0.50	1,300	--
09/30/00	NP	169.11	11.04	--	150 ⁹	75	<1.3	<1.3	<1.3	8,200	--
12/19/00	NP	169.11	10.05	-- ¹⁴	<1,000	<10	<10	<10	<10	4,600	--
03/13/01	NP	169.11	9.35	-- ¹⁴	284	0.601	1.00	<0.500	1.27	3,670	--
06/12/01	NP	169.11	11.03	<50	140 ⁹	67	<0.50	<0.50	<0.50	2,600	--
09/18/01	NP	169.11	11.15	100	240	<0.50	<0.50	<0.50	<1.5	3,200	--
12/17/01	169.11	159.22	9.89	270	55	<0.50	<0.50	<0.50	<1.5	930	--
03/21/02	169.11	159.38	9.73	290	190	<0.50	<0.50	<0.50	<1.5	2,600	--
06/08/02	169.11	158.21	10.90	110	110	<0.50	<0.50	<0.50	<1.5	2,200	--
09/13/02	169.11	158.26	10.85	<50	<50	<0.50	<0.50	<0.50	<1.5	650	--
12/13/02	169.11	159.11	10.00	120	<50	<0.50	<0.50	<0.50	<1.5	450	--
03/17/03	169.11	159.66	9.45	370	80	<0.50	<0.50	<0.50	<1.5	1,600	--
MW-4											
10/27/92	169.18	157.79	11.39	<50	<50	<0.5	0.6	0.5	4.3	--	--
12/30/92	169.18	159.05	10.13	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/27/93	169.18	160.09	9.09	--	--	--	--	--	--	--	--
03/05/93	169.18	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/17/93	169.18	159.28	9.90	--	--	--	--	--	--	--	--
06/18/93	169.18	158.50	10.68	<50	<50	<0.5	<0.5	<0.5	<1.5	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-6991
2920 Castro Valley Boulevard
Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-5 (cont)											
09/25/95	167.41	157.56	9.85	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/28/95	167.41	157.67	9.74	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
NOT MONITORED/SAMPLED											
MW-6											
10/27/92	166.46	153.92	12.54	<50	600	22	22	24	130	--	--
12/30/92	166.46	156.26	10.20	470	1,700	170	16	46	160	--	--
01/27/93	166.46	156.44	10.02	--	--	--	--	--	--	--	--
03/05/93	166.46	--	--	150	480	76	0.9	3.1	7.1	--	--
03/17/93	166.46	155.79	10.67	--	--	--	--	--	--	--	--
06/18/93	166.46	154.63	11.83	51	240	37	3.4	2.9	18	--	--
09/28/93	166.46	154.90	11.56	120	150	11	1.2	1.3	4.3	--	--
12/30/93	166.46	154.81	11.65	290	680	77	5.1	5.5	13	--	--
04/07/94	166.46	155.34	11.12	<10	190	24	2.9	1.9	8.0	--	--
05/31/94	166.46	--	--	--	--	--	--	--	--	--	--
09/23/94	166.46	155.05	11.41	--	--	--	--	--	--	--	--
11/30/94	166.46	156.58	9.88	150 ²	320	49	0.58	1.4	1.2	--	--
NOT MONITORED/SAMPLED											
MW-7											
09/25/95	168.80	157.20	11.60	1,400 ¹	220	0.79	<0.5	0.67	<0.5	--	--
12/28/95	168.80	158.14	10.66	590 ¹	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/05/96	168.80	159.74	9.06	320 ¹	1,400	<10	<10	47	<10	5,300	--
06/27/96	168.80	157.27	11.53	630 ¹	<2,500	<25	<25	<25	<25	14,000	--
09/13/96	168.80	156.88	11.92	1,400	1,100	26	<10	24	<10	20,000	--
12/19/96	168.80	158.29	10.51	1,100 ³	<5,000	<50	<50	<50	<50	12,000	--
03/20/97	168.80	157.84	10.96	1,600 ³	<1,000	<10	<10	<10	<10	2,100/2,000 ¹³	--
06/27/97	168.80	157.02	11.78	1,600 ¹	2,000	<20	<20	<20	<20	11,000	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-6991
2920 Castro Valley Boulevard
Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
TRIP BLANK (cont)											
12/30/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/27/93	--	--	--	<50	--	--	--	--	--	--	--
03/05/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/17/93	--	--	--	--	--	--	--	--	--	--	--
06/18/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
09/28/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/30/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/07/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/31/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/23/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/30/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/30/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/06/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/25/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/28/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/05/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/27/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/13/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/19/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/20/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/27/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/19/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/05/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/31/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/19/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
08/31/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/19/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
09/16/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/16/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/20/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Chevron Service Station #9-6991
 2920 Castro Valley Boulevard
 Castro Valley, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to June 30, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing

(ft.) = Feet

GWE = Groundwater Elevation

(msl) = Mean sea level

DTW = Depth to Water

TPH-D = Total Petroleum Hydrocarbons as Diesel

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

TOG = Total Oil and Grease

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

NP = No Purge

QA = Quality Assurance/Trip Blank

- 1 Chromatogram pattern indicates an unidentified hydrocarbon.
- 2 Chromatogram pattern indicates a non-diesel mix.
- 3 Chromatogram pattern indicates an unidentified hydrocarbon and weathered diesel.
- 4 Chromatogram pattern indicates a non-diesel mix + discrete peaks.
- 5 Laboratory report indicates unidentified hydrocarbons C6-C12.
- 6 Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons C6-C12.
- 7 Laboratory report indicates unidentified hydrocarbons C9-C24.
- 8 Laboratory report indicates this sample was analyzed outside of the EPA recommended holding time.
- 9 Laboratory report indicates discrete peaks.
- 10 Laboratory report indicates gasoline C6-C12.
- 11 Laboratory report indicates unidentified hydrocarbons >C16.
- 12 Laboratory report indicates diesel C9-C24 + unidentified hydrocarbons <C16.
- 13 Confirmation run.
- 14 Insufficient water to obtain sample for TPH-D.
- 15 Laboratory report indicates unidentified hydrocarbons C9-C17.

CHEVRON SERVICE STATION #9-6991
Castro Valley, CA.

FOURTH QUARTER MONITORING & SAMPLING
EVENT
Of December 13, 2002



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-6991
 Site Address: 2920 Castro Valley Blvd
 City: Castro Valley, CA

Job Number: 385296
 Event Date: 12-13-02 (inclusive)
 Sampler: FT

Well ID: MW-1 Date Monitored: 12-13-02 Well Condition: o'k'
 Well Diameter: 3/4 / 2 in.
 Total Depth: 17.60 ft.
 Depth to Water: 10.83 ft.
NA xVF _____ = _____ x3 (case volume) = Estimated Purge Volume: _____ gal.

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

Purge Equipment:

Disposable Bailer /
 Stainless Steel Bailer /
 Slack 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): _____ Weather Conditions: _____
 Sample Time/Date: _____ / _____ Water Color: _____ Odor: _____
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
	x Amber	YES	NP	LANCASTER	TPH-D

COMMENTS:

"MONITORED ONLY"

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-6991 Job Number: 385296
 Site Address: 2920 Castro Valley Blvd Event Date: 12-13-02 (inclusive)
 City: Castro Valley, CA Sampler: FT

Well ID: MW-3 Date Monitored: 12-13-02 Well Condition: OK
 Well Diameter: (3/4) / 2 in.
 Total Depth: 16.51 ft.
 Depth to Water: 10.00 ft.
6.51 x VF .02 = .13 x3 (case volume) = Estimated Purge Volume: .39 gal.

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

Purge Equipment:
 Disposable Bailer ✓ (PIN BALLER)
 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): _____ Weather Conditions: RAIN
 Sample Time/Date: 12:41 / 12-13-02 Water Color: CLOUDY / LT. BRN. 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>.13</u>	<u>6.70</u>	<u>142.9</u>	<u>18.8</u>		
	<u>.26</u>					
	<u>.39</u>	<u>6.86</u>	<u>154.0</u>	<u>18.9</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
	2 x Amber	YES	NP	LANCASTER	TPH-D

COMMENTS: _____

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

Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only
 Acct. #: 10905 Sample #: 3963071-73 SCR#: 834928

121602-008

Facility #: 9-6991 Job #385296 Global ID#T0600100324
 Site Address: 2920 CASTRO VALLEY BLVD, CASTRO VALLEY, 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: FRANK TERRANONI
 Service Order #: _____ Non SAR:

Analyses Requested									
Preservation Codes									
H	H								
BTEX + MTBE	8260	802	X						
TPH 8015 MOD	GRO								
TPH 8015 MOD DRO	Silica Gel Cleanup								
8260 full scan	Oxygenates								
Lead 7420	7421								

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	802	TPH 8015 MOD	GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420	7421	
<u>QA</u>	<u>12-13-02</u>				W				2	X	X										
<u>MW-3</u>	↓	<u>124</u>	X		↓				5	X	X	X									
<u>MW-7</u>	↓	<u>124</u>	X		↓				5	X	X	X									

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
 (STD. TAT) 24 hour 72 hour 48 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>Frank Terranoni</u>	Date: <u>12-13-02</u>	Time: _____	Received by: <u>[Signature]</u>	Date: <u>12/16/02</u>	Time: <u>1400</u>	
Relinquished by: <u>[Signature]</u>	Date: <u>12/16/02</u>	Time: <u>1400</u>	Received by: <u>[Signature]</u>	Date: <u>12-16-02</u>	Time: <u>1400</u>	
Relinquished by: <u>[Signature]</u>	Date: <u>12-16-02</u>	Time: <u>1530</u>	Received by: <u>Airborne</u>	Date: <u>12-16-02</u>	Time: _____	
Relinquished by Commercial Carrier: <u>Airborne</u>	UPS	FedEx	Other: <u>[Signature]</u>	Received by: <u>[Signature]</u>	Date: <u>12/17/02</u>	Time: <u>NR</u>
Temperature Upon Receipt: <u>2-2.5c°</u>	Custody Seals Intact? <u>Yes</u> No					



Lancaster Laboratories Sample No. **WW 3963071**

Collected: 12/13/2002 00:00

Account Number: 10905

Submitted: 12/17/2002 10:10
 Reported: 12/30/2002 at 17:36
 Discard: 01/30/2003

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

QA-T-021213 NA Water
 Facility# 96991 Job# 385296 GRD
 2920 Castro Valley-Castro T0600100324 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	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline	1	12/21/2002 07:10	Linda C Pape	1
08214	BTEX, MTBE (8021)	Method SW-846 8021B	1	12/21/2002 07:10	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/21/2002 07:10	Linda C Pape	n.a.

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





Lancaster Laboratories Sample No. WW 3963073

Collected: 12/13/2002 12:16 by FT

Account Number: 10905

Submitted: 12/17/2002 10:10
 Reported: 12/30/2002 at 17:36
 Discard: 01/30/2003

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MW-7-W-021213 Grab Water GRD
 Facility# 96991 Job# 385296
 2920 Castro Valley-Castro T0600100324 MW-7

CVC-7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	3,400.	490.	ug/l	20
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	1,100.	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	2.4	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	2.3	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	2,000.	2.5	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.						

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	12/20/2002 15:19	Robert T Vincent	20
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/22/2002 20:47	K. Robert James	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/22/2002 19:07	K. Robert James	5
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/22/2002 20:47	K. Robert James	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/22/2002 19:07	K. Robert James	n.a.
07003	Extraction - DRO (Waters)	CALUFT-DRO/8015B, Modified	1	12/19/2002 09:00	Joseph S Feister	1

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



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



Quality Control Summary

Client Name: ChevronTexaco
 Reported: 12/30/02 at 05:36 PM

Group Number: 834928

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 023530004A TPH - DRO CA LUFT (Waters)	Sample number(s): 3963072-3963073			96	100	54-120	4	20
Batch number: 02354A16A	Sample number(s): 3963071-3963072							
Benzene	N.D.	.2	ug/l	91	91	80-118	1	30
Toluene	N.D.	.2	ug/l	85	86	82-119	1	30
Ethylbenzene	N.D.	.2	ug/l	83	84	81-119	1	30
Total Xylenes	N.D.	.6	ug/l	85	86	82-120	1	30
Methyl tert-Butyl Ether	N.D.	.3	ug/l	90	90	79-127	0	30
TPH-GRO - Waters	N.D.	50.	ug/l	100	98	74-116	2	30
Batch number: 02355A16A	Sample number(s): 3963073							
Benzene	N.D.	.2	ug/l	94	100	80-118	7	30
Toluene	N.D.	.2	ug/l	88	94	82-119	7	30
Ethylbenzene	N.D.	.2	ug/l	86	92	81-119	8	30
Total Xylenes	N.D.	.6	ug/l	88	94	82-120	7	30
Methyl tert-Butyl Ether	N.D.	.3	ug/l	90	95	79-127	6	30
TPH-GRO - Waters	N.D.	50.	ug/l	102	110	74-116	8	30

Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>BKG MAX</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 02354A16A	Sample number(s): 3963071-3963072							
Benzene	95		83-130					
Toluene	90		87-129					
Ethylbenzene	88		86-133					
Total Xylenes	89		86-132					
Methyl tert-Butyl Ether	129		66-140					
TPH-GRO - Waters	113		74-132					
Batch number: 02355A16A	Sample number(s): 3963073							
Benzene	101		83-130					
Toluene	95		87-129					
Ethylbenzene	94		86-133					
Total Xylenes	95		86-132					
Methyl tert-Butyl Ether	94		66-140					
TPH-GRO - Waters	113		74-132					

Surrogate Quality Control

Analysis Name: TPH - DRO CA LUFT (Waters)
 Batch number: 023530004A
 Orthoterphenyl

3963072	104
3963073	112
LCS	105

*- 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.



Lancaster Laboratories, Inc.
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425

***CHEVRON SERVICE STATION #9-6991
Castro Valley, CA.***

***FIRST QUARTER MONITORING & SAMPLING
EVENT
Of March 17, 2003***

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 845432. Samples arrived at the laboratory on Thursday, March 20, 2003. The PO# for this group is 99011184 and the release number is STREICH.

<u>Client Description</u>			<u>Lancaster Labs Number</u>
QA-T-030317	NA	Water	4014641
MW-1-W-030317	Grab	Water	4014642
MW-3-W-030317	Grab	Water	4014643
MW-7-W-030317	Grab	Water	4014644

ELECTRONIC Gettler-Ryan
COPY TO
1 COPY TO Cambria C/O Gettler- Ryan

Attn: Cheryl Hansen

Attn: Deanna L. Harding



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-6991
 Site Address: 2920 Castro Valley Blvd
 City: Castro Valley, CA

Job Number: 385296
 Event Date: 3/17/03 (inclusive)
 Sampler: Sim Heenan

Well ID: MW-7 Date Monitored: 3/17/03 Well Condition: ok
 Well Diameter: 3/4" @ in.
 Total Depth: 19.62 ft.
 Depth to Water: 10.09 ft.
9.53 xVF .67 = 1.62 x3 (case volume) = Estimated Purge Volume: 4.86 gal.

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

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

Sampling Equipment:
 Disposable Bailer X
 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): 1600 Weather Conditions: clean
 Sample Time/Date: 1620 3/17/03 Water Color: clean Odor: Yes
 Purging Flow Rate: _____ gpm. Sediment Description: None
 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>16.06</u>	<u>1.5</u>	<u>7.39</u>	<u>895</u>	<u>21.0</u>	_____	_____
<u>16.11</u>	<u>3.0</u>	<u>6.92</u>	<u>871</u>	<u>19.9</u>	_____	_____
<u>16.16</u>	<u>4.5</u>	<u>6.86</u>	<u>804</u>	<u>19.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
	<u>2</u> x Amber	YES	NP	LANCASTER	TPH-D

COMMENTS: New twd taken

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-6991 Job Number: 385296
 Site Address: 2920 Castro Valley Blvd Event Date: 3/17/03 (inclusive)
 City: Castro Valley, CA Sampler: Sim Herrin

Well ID: MW-2 Date Monitored: 3/17/03 Well Condition: OK
 Well Diameter: (3/4) / 2 in.
 Total Depth: 17.18 ft.
 Depth to Water: 10.77 ft.
6.41 xVF .02 = .12 x3 (case volume) = Estimated Purge Volume: .38 gal.

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

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

Sampling Equipment:
 Disposable Bailer X
 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): 1630 Weather Conditions: clear
 Sample Time/Date: 1 Water Color: _____ Odor: _____
 Purging Flow Rate: — gpm. Sediment Description: _____
 Did well de-water? Yes If yes, Time: 1650 Volume: .12 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1635</u>	<u>.12</u>	<u>7.67</u>	<u>1058</u>	<u>19.4</u>	_____	_____
<u>/</u>	<u>.24</u>	<u>/</u>	<u>/</u>	<u>/</u>	_____	_____
<u>/</u>	<u>.36</u>	<u>/</u>	<u>/</u>	<u>/</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	x vov vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
	x Amber	YES	NP	LANCASTER	TPH-D

COMMENTS: New turb taken / Well De-watered unable to sample

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

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

Respectfully Submitted,



Victoria M. Harel
Chemist

Lancaster Laboratories Sample No. WW 4014642

Collected: 03/17/2003 17:30 by JH

Account Number: 10904

Submitted: 03/20/2003 09:00

ChevronTexaco

Reported: 04/01/2003 at 09:46

6001 Bollinger Canyon Rd L4310

Discard: 05/02/2003

MW-1-W-030317

Grab

Water

San Ramon CA 94583

Facility# 96991 Job# 385296

GRD

2920 Castro Valley-Castro T0600100324 MW-1

CVC-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	250.	50.	ug/l	1
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
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.						
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	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	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	03/28/2003 22:28	Devin M Hetrick	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/24/2003 16:36	Melissa D Mann	1
02159	BTEX, MTBE	SW-846 8021B	1	03/24/2003 16:36	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/24/2003 16:36	Melissa D Mann	n.a.
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	03/25/2003 09:35	Aubri L Peters	1

Lancaster Laboratories Sample No. **WW 4014643**

Collected: 03/17/2003 19:10 by JH

Account Number: 10904

Submitted: 03/20/2003 09:00

ChevronTexaco

Reported: 04/01/2003 at 09:46

6001 Bollinger Canyon Rd L4310

Discard: 05/02/2003

MW-3-W-030317

Grab

Water

San Ramon CA 94583

Facility# 96991 Job# 385296

GRD

2920 Castro Valley-Castro T0600100324 MW-3

CVC-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	370.	50.	ug/l	1
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	80.	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.						
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	1,600.	13.	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.						

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	03/28/2003 15:50	Tracy A Cole	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/25/2003 01:20	Melissa D Mann	1
02159	BTEX, MTBE	SW-846 8021B	1	03/24/2003 10:14	Melissa D Mann	5
02159	BTEX, MTBE	SW-846 8021B	1	03/25/2003 01:20	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/25/2003 01:20	Melissa D Mann	n.a.

Lancaster Laboratories Sample No. WW 4014644

Collected: 03/17/2003 16:20 by JH

Account Number: 10904

Submitted: 03/20/2003 09:00

ChevronTexaco

Reported: 04/01/2003 at 09:46

6001 Bollinger Canyon Rd L4310

Discard: 05/02/2003

MW-7-W-030317

Grab Water

San Ramon CA 94583

Facility# 96991 Job# 385296

GRD

2920 Castro Valley-Castro T0600100324 MW-7

CVC-7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	3,700.	50.	ug/l	2
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
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. 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.	10.	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	5.1	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	1,000.	13.	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 presence of an interferent near its retention time, the normal reporting limit was not attained for benzene. The presence or concentration of this compound cannot be determined due to the presence of this interferent.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	03/28/2003 13:04	Tracy A Cole	2

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 845432

Reported: 04/01/03 at 09:46 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 030800018A TPH - DRO CA LUFT (Waters)	Sample number(s): 4014643-4014644							
	N.D.	50.	ug/l	91	83	61-126	10	20
Batch number: 03080B51A TPH-GRO - Waters	Sample number(s): 4014642-4014644							
	N.D.	50.	ug/l	103	105	70-130	1	30
Benzene	N.D.	.5	ug/l	104	103	80-118	0	30
Toluene	N.D.	.5	ug/l	99	99	82-119	0	30
Ethylbenzene	N.D.	.5	ug/l	99	99	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	101	101	82-120	0	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	100	96	79-127	4	30
Batch number: 03080B51B TPH-GRO - Waters	Sample number(s): 4014643-4014644							
	N.D.	50.	ug/l	103	105	70-130	1	30
Benzene	N.D.	.5	ug/l	104	103	80-118	0	30
Toluene	N.D.	.5	ug/l	99	99	82-119	0	30
Ethylbenzene	N.D.	.5	ug/l	99	99	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	101	101	82-120	0	30
Batch number: 03081A55B TPH-GRO - Waters	Sample number(s): 4014641							
	N.D.	50.	ug/l	106	119	70-130	12	30
Benzene	N.D.	.5	ug/l	95	94	80-118	2	30
Toluene	N.D.	.5	ug/l	104	103	82-119	1	30
Ethylbenzene	N.D.	.5	ug/l	99	99	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	101	101	82-120	0	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	99	101	79-127	2	30
Batch number: 030830030A TPH - DRO CA LUFT (Waters)	Sample number(s): 4014642							
	N.D.	50.	ug/l	84	86	61-126	3	20

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BRG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 03080B51A TPH-GRO - Waters	Sample number(s): 4014642-4014644							
	111		70-130					
Benzene	113		67-136					
Toluene	107		78-129					
Ethylbenzene	108		75-133					
Total Xylenes	109		86-132					
Methyl tert-Butyl Ether	105		66-136					
Batch number: 03080B51B TPH-GRO - Waters	Sample number(s): 4014643-4014644							
	111		70-130					
Benzene	113		67-136					
Toluene	107		78-129					
Ethylbenzene	108		75-133					
Total Xylenes	109		86-132					
Batch number: 03081A55B TPH-GRO - Waters	Sample number(s): 4014641							
	111		70-130					
Benzene	104		67-136					
Toluene	107		78-129					

*- 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.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 04/01/03 at 09:46 AM

Group Number: 845432

Surrogate Quality Control

Limits: 57-146 66-136

Analysis Name: TPH - DRO CA LUFT (Waters)
Batch number: 030830030A
Orthoterphenyl

4014642	104
Blank	99
LCS	93
LCSD	96

Limits: 59-139

*- 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.