



AG ✓ No 464

Alameda County  
Environmental Health  
FEB 06 2003

3164 Gold Camp Drive  
Suite 200  
Rancho Cordova, CA 95670-6021  
U.S.A.  
916/638-2085  
FAX: 916/638-8385

January 28, 2003

Review 4/31/03  
NLG

Mr. Barney Chan  
Alameda County Health Care Services,  
Department of Environmental Health  
1153 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Subject: *Interim Corrective Action Plan and Overpurge Results,  
Third and Fourth Quarters 2002*  
Chevron Service Station No. 9-1851  
451 Hegenberger Road  
Oakland, California  
Delta Project No. DG91-851

Dear Mr. Chan:

Delta Environmental Consultants, Inc. (Delta) has been authorized by Chevron Products Company (Chevron) to conduct periodic groundwater overpurge events at the above referenced site. The overpurge events were conducted as part of Delta's *Interim Corrective Action Plan*, dated August 1, 2000. The location of the site is shown on Figure 1 and the site features are illustrated on Figure 2.

This report presents the results of the groundwater overpurge events conducted on August 8 and October 31, 2002, which included depth-to-water measurements and sample collection for chemical analyses of dissolved petroleum hydrocarbons. Field work was conducted at the site in accordance with field methods and procedures presented in Enclosure A.

### Groundwater Elevation Measurements

Groundwater elevations were calculated for monitoring wells MW-1 through MW-7 using depth-to-groundwater measurements. Groundwater elevations and depth-to-water measurements are presented in Table 1. Measurements recorded on October 31, 2002 were used to construct the pre- and post-purge groundwater elevation contour maps shown on Figures 3 and 4, respectively.

### Groundwater Sampling and Analytical Results

Groundwater samples were collected from monitoring wells MW-4 and MW-7 before and after each overpurge event. The groundwater samples were submitted to a California-certified laboratory for analyses of benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl tertiary butyl ether (MTBE) using EPA Method 8260B, and total petroleum hydrocarbons as gasoline (TPHg) using the Northern California LUFT Gasoline Method. Cumulative analytical results are compiled in Table 2, and copies of laboratory analytical reports with chain-of-custody documentation for the third and fourth quarter overpurge events are included in Enclosure B.

**Volume of Impacted Groundwater Removed**

Approximately 1,380 gallons of impacted groundwater were extracted from monitoring wells MW-4 and MW-7 during the third and fourth quarters 2002. Based on average concentrations of TPHg and MTBE reported in groundwater samples collected from MW-4 and MW-7 during each event, it is estimated that approximately 0.000377 gallons of TPHg and 0.00154 gallons of MTBE were removed from groundwater in the vicinity of the underground storage tank basin during the third and fourth quarters 2002. Cumulative volumes of groundwater, TPHg, and MTBE, removed from the site during the overpurge events, are compiled in ~~Table 2~~.

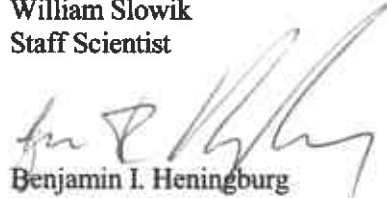
If you have questions or comments regarding this report, please contact Ben Heningburg at (916) 536-2623.

Sincerely,

**DELTA ENVIRONMENTAL CONSULTANTS, INC.**



William Slowik  
Staff Scientist



Benjamin I. Heningburg  
Project Manager



Steven W. Meeks, P.E.  
California Registered Civil Engineer No. C057461



BIH (Lrp007.9-1851 ICAP & Overpurge)  
Enclosures

cc: Ms. Karen Streich – Chevron Products Company  
Mr. Jim Brownell – Delta Environmental Consultants, Inc.

TABLE 1

GROUNDWATER ELEVATION DATA  
OCTOBER 31, 2002

Chevron Service Station No. 9-1851  
451 Hegenberger Road  
Oakland, California

Sample ID	Date	Time	Top of Casing Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)
<b><u>Pre Purge</u></b>					
MW-1	10/31/02	9:20	8.61	4.01	4.60
MW-2	10/31/02	9:08	9.52	4.92	4.60
MW-3	10/31/02	9:25	9.08	4.45	4.63
MW-4	10/31/02	8:46	9.48	5.34	4.14
MW-5	10/31/02	9:02	8.77	4.16	4.61
MW-6	10/31/02	8:58	11.45	6.75	4.70
MW-7	10/31/02	8:29	10.58	6.78	3.80
<b><u>Post Purge</u></b>					
MW-1	10/31/02	15:30	8.61	4.01	4.60
MW-2	10/31/02	15:34	9.52	4.91	4.61
MW-3	10/31/02	15:27	9.08	4.45	4.63
MW-4	10/31/02	15:38	9.48	12.70	-3.22
MW-5	10/31/02	15:24	8.77	4.15	4.62
MW-6	10/31/02	15:21	11.45	6.75	4.70
MW-7	10/31/02	15:19	10.58	9.66	0.92

TPHg = Total petroleum hydrocarbons as gasoline.

MTBE = Methyl tertiary butyl ether analyzed by EPA Method 8260B.

TABLE 2

## GROUNDWATER ANALYTICAL RESULTS

Chevron Service Station No. 9-1851  
451 Hegenberger Road  
Oakland, California

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	TPHg (µg/L)	MTBE (µg/L)
MW-4-853	05/03/01	<2.5	<2.5	<2.5	<2.5	491	2,020 <sup>a</sup> /4,270
MW-4-1505	05/03/01	<2.5	<2.5	<2.5	<2.5	370	3,330 <sup>a</sup> /4,250
MW-7-830	05/03/01	<0.5	<0.5	<0.5	<0.5	191	1,070 <sup>a</sup> /1,190
MW-7-1505	05/03/01	0.619	<0.5	1.65	0.961	201	472 <sup>a</sup> /647
MW-4-745	06/11/01	<5.0	<5.0	<5.0	<5.0	520	4,000 <sup>a</sup> /3,700
MW-4-1500	06/11/01	<5.0	<5.0	<5.0	<5.0	<500	5,900 <sup>a</sup> /3,500
MW-7-730	06/11/01	<5.0	<5.0	<5.0	<5.0	130	730 <sup>a</sup> /690
MW-7-1510	06/11/01	<5.0	<5.0	<5.0	<5.0	130	590 <sup>a</sup> /560
MW-4-825	08/30/01	<1.0	<1.0	<1.0	<1.0	720	3,000
MW-4-1510	08/30/01	<1.0	<1.0	<1.0	<1.0	590	2,600
MW-7-815	08/30/01	<1.0	<1.0	<1.0	<1.0	140	400
MW-7-1520	08/30/01	<1.0	<1.0	<1.0	<1.0	330	97
MW-4-815	01/15/02	<1.0	<1.0	<1.0	<1.0	640	2,800
MW-4-1450	01/15/02	<0.5	<0.5	<0.5	<0.5	290	1,100
MW-7-820	01/15/02	<0.5	<0.5	<0.5	<0.5	89	290
MW-7-1455	01/15/02	<0.5	<0.5	<0.5	<0.5	210	460
MW-4-825	03/05/02	<1.0	<1.0	<1.0	<1.0	420	2,200
MW-4-1510	03/05/02	<3.0	<3.0	<3.0	<3.0	160	1,200
MW-7-815	03/05/02	<0.5	<0.5	<0.5	<0.5	140	440
MW-7-1520	03/05/02	<0.5	<0.5	<0.5	<0.5	540	440
MW-4-916	06/18/02	<0.5	<0.5	<0.5	<0.5	530	2,900
MW-4-1543	06/18/02	<0.5	<0.5	<0.5	<0.5	180	1,200
MW-7-905	06/18/02	<0.5	<0.5	<0.5	<0.5	120	290
MW-7-1602	06/18/02	<0.5	<0.5	<0.5	<0.5	270	400
MW-4-900	08/08/02	<0.5	<0.5	<0.5	<0.5	370	2,400
MW-4-1550	08/08/02	<0.5	<0.5	<0.5	<0.5	<50	220
MW-7-855	08/08/02	<0.5	<0.5	<0.5	<0.5	74	190
MW-7-1610	08/08/02	<0.5	<0.5	<0.5	<0.5	50	400
<del>MW-4-830</del>	10/31/02	<0.5	<0.5	<0.5	<0.5	490	2,200
MW-4-1544	10/31/02	<del>0.9</del>	1.0	2.0	13	330	770
<del>MW-7-840</del>	10/31/02	<0.5	<0.5	<0.5	<0.5	89	230
MW-7-1535	10/31/02	<0.5	<0.5	<0.5	<0.5	200	260

TPHg = Total petroleum hydrocarbons as gasoline.

MTBE = Methyl tertiary butyl ether analyzed by EPA Method 8260B.

<sup>a</sup> = analyzed by EPA Method 8020.

**TABLE 3**

**CUMULATIVE VOLUME OF GROUNDWATER AND TPH AS GASOLINE  
EXTRACTED FROM MW-4 AND MW-7**

Chevron Service Station No. 9-1851  
451 Hegenberger Road  
Oakland, California

Date	Extracted Groundwater Per Event (gallons)	Cumulative Extracted Groundwater Volume (gallons)	Extracted TPHg Volume Per Event* (gallons)	Extracted MTBE Volume Per Event* (gallons)	Cumulative Extracted TPHg Volume (gallons)	Cumulative Extracted MTBE Volume (gallons)
05/03/01	200	200	0.000086	0.00047	0.000086	0.00047
06/06/01	508	708	0.000222	0.00192	0.000308	0.00239
08/30/01	400	1,108	0.000243	0.00082	0.000551	0.00321
01/15/02	450	1,558	0.000255	0.00071	0.000806	0.00392
03/05/02	700	2,258	0.000301	0.00101	0.001107	0.00403
06/18/02	700	2,958	0.000263	0.00113	0.00137	0.00516
08/08/02	750	3,700	0.000139	0.00081	0.001509	0.00597
10/31/02	630		0.000238	0.00073	0.001747	0.00670

TPHg = Total petroleum hydrocarbons as gasoline.

MTBE = Methyl tertiary butyl ether analyzed by EPA Method 8260B.

\*  $V_{TPH} = V_{gw} [TPH] \rho_{gw} / \rho_{TPH}$

Where:

$V_{TPH}$  = Volume of TPH as gasoline in gallons

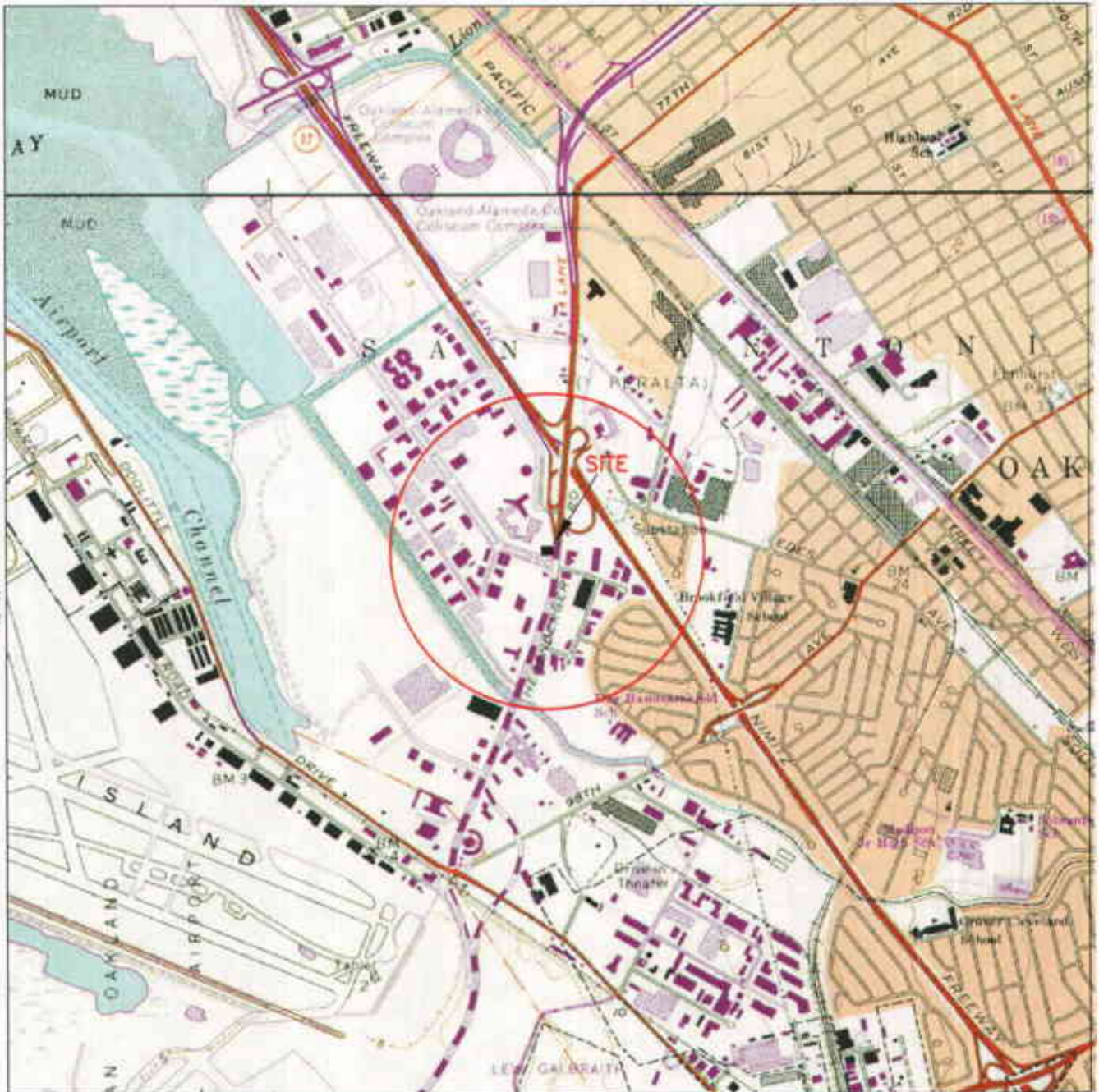
$V_{gw}$  = Volume of groundwater in million gallons

[TPH] = Average TPH as gasoline concentrations in milligrams per liter (mg/L)

$\rho_{gw}$  = density of groundwater = 8.34 lbs/gal.

$\rho_{TPH}$  = density of TPH as gasoline = 6.1 lbs/gal.

$\rho_{MTBE}$  = density of MTBE = 6.16 lbs/gal.

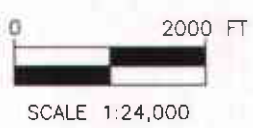


T.2 S.

R.3 W.

\\Sacramento\CAD Files\Sacramento\Chevron\9-1851\091851-1A.dwg

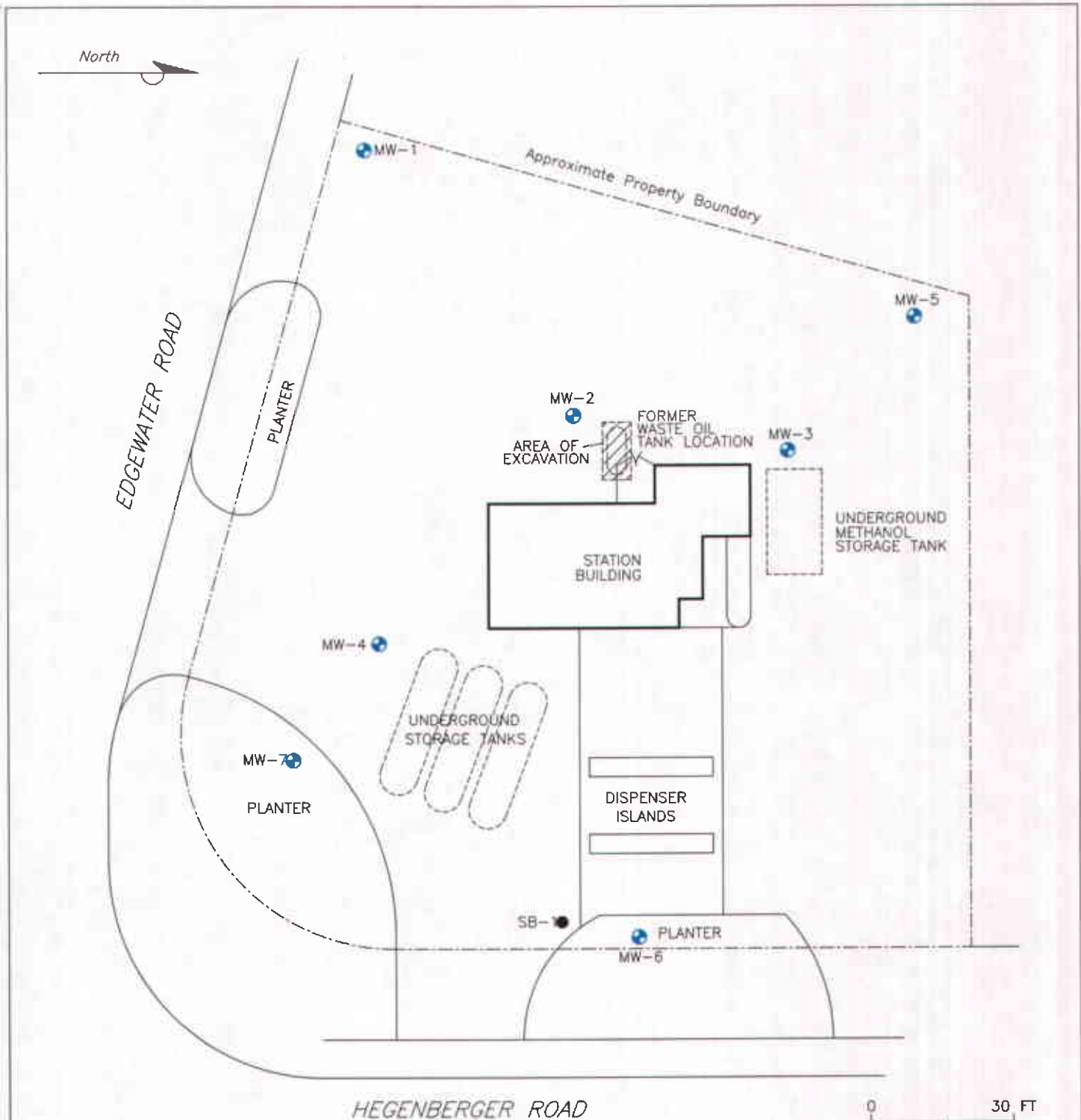
GENERAL NOTES:  
 BASE MAP FROM U.S.G.S.  
 SAN LEANDRO, CA.  
 7.5 MINUTE TOPOGRAPHIC  
 PHOTOREVISED 1980



QUADRANGLE LOCATION

<p>FIGURE 1          SITE TOPOGRAPHIC MAP          CHEVRON STATION NO. 9-1851          451 HEGENBERGER ROAD          OAKLAND, CA.</p>	
PROJECT NO. -	DRAWN BY TLA 10/24/00
FILE NO. -	PREPARED BY TLA
REVISION NO. 1	REVIEWED BY






**EXPLANATION**

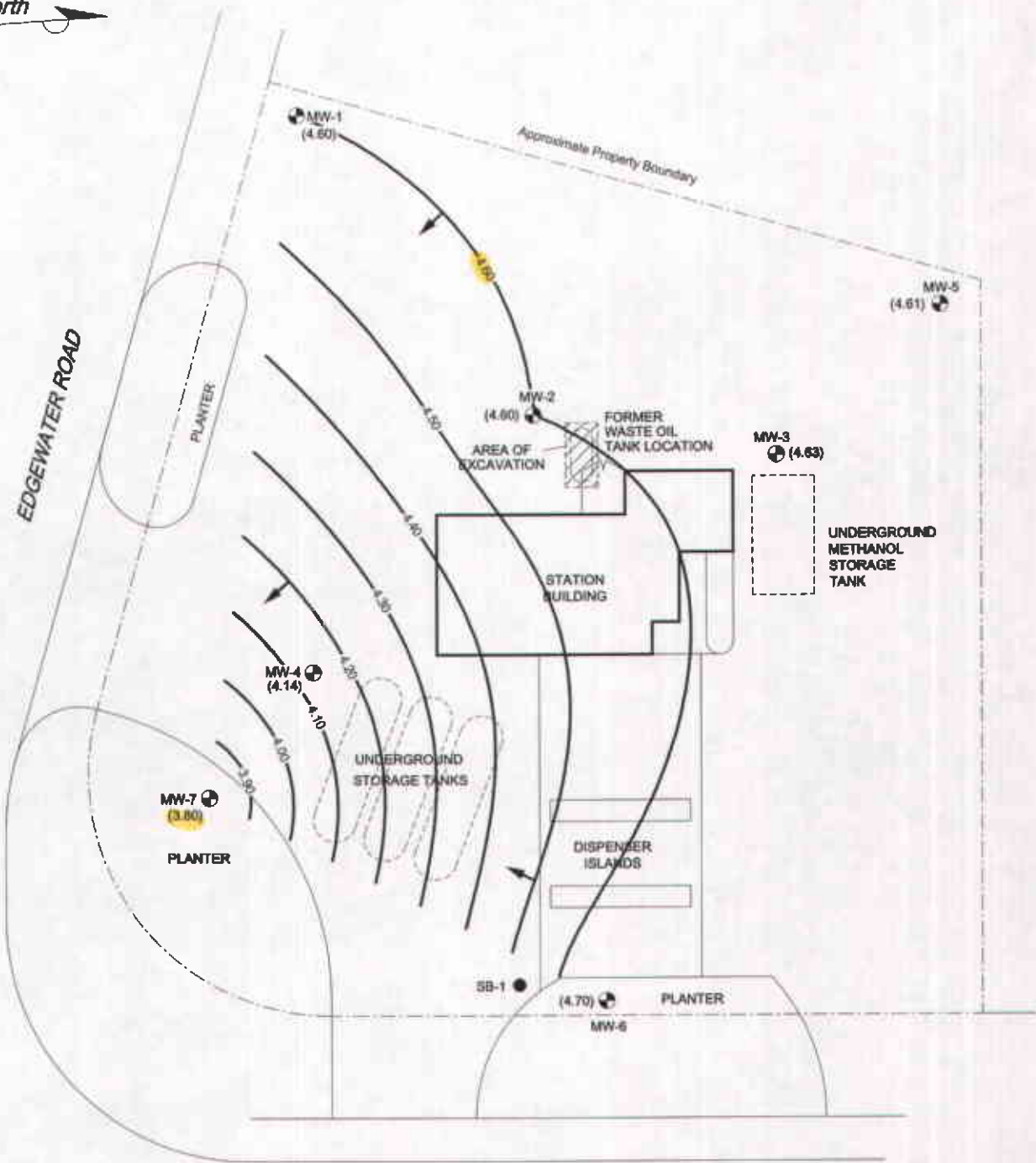
- ⊕ MW-1 MONITORING WELL LOCATION
- SB-1 SOIL BORING LOCATION

**FIGURE 2**  
**SITE MAP**  
**CHEVRON STATION NO. 9-1851**  
**451 HEGENBERGER ROAD**  
**OAKLAND, CA.**

PROJECT NO. DG91-851	DRAWN BY TLA 10/24/00	
FILE NO. DG91851-1	PREPARED BY BIH	
REVISION NO. 2	REVIEWED BY	

North

EDGEWATER ROAD



HEGENBERGER ROAD



**EXPLANATION**

- MW-1 MONITORING WELL LOCATION
- SB-1 SOIL BORING LOCATION
- (4.60) GROUND WATER ELEVATION IN FEET RELATIVE TO AN ASSUMED BENCH MARK
- 4.10— INFERRED WATER TABLE CONTOUR IN FEET RELATIVE TO AN ASSUMED BENCH MARK
- INFERRED GROUND WATER FLOW DIRECTION

**FIGURE 3**

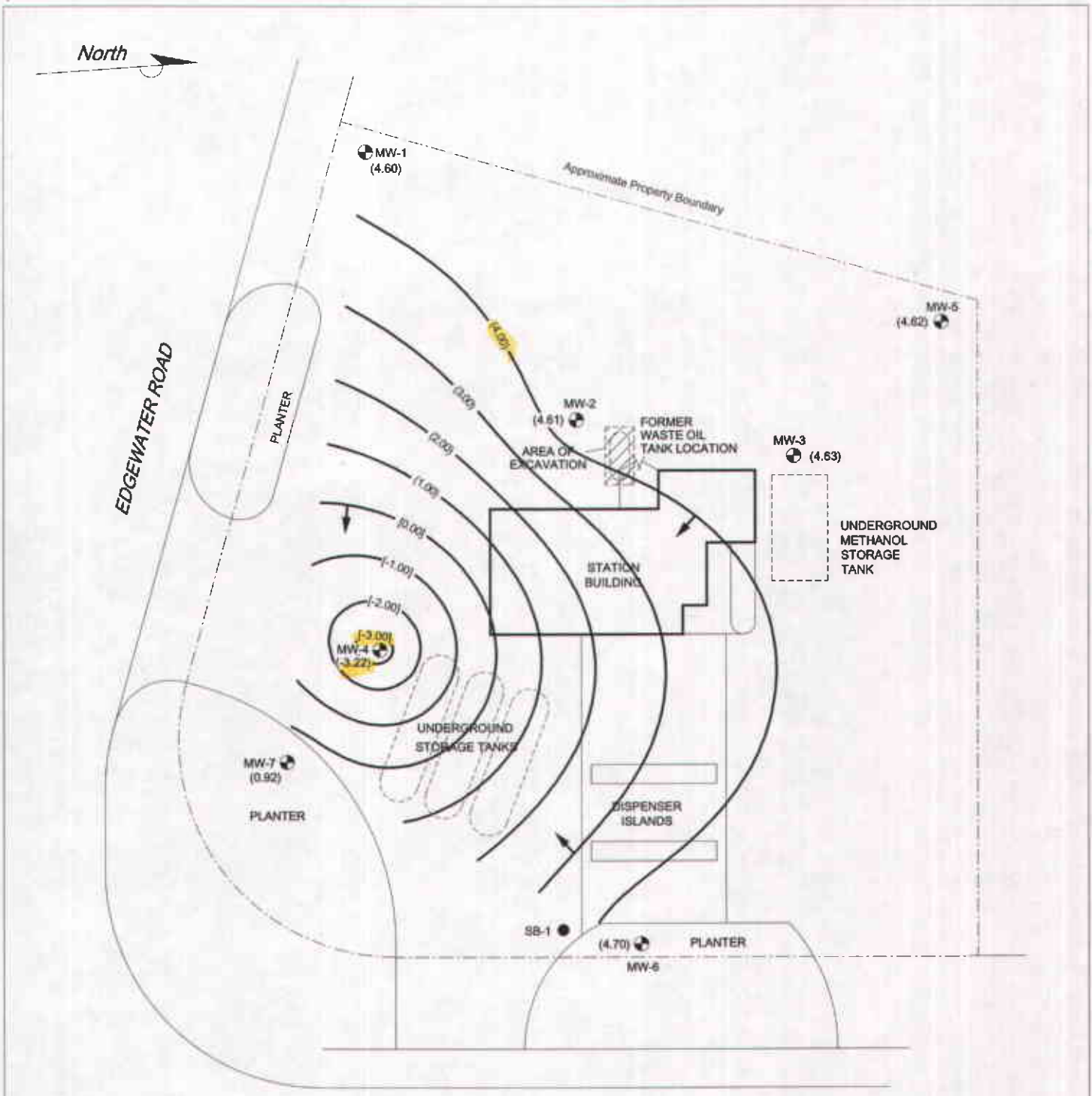
**GROUNDWATER ELEVATION CONTOUR MAP  
PRE PURGE - 10/31/02**

**CHEVRON STATION NO. 9-1851  
451 HEGENBERGER ROAD  
OAKLAND, CA.**

PROJECT NO. DG91-851	DRAWN BY M.L. 11/14/02
FILE NO. DG918511	PREPARED BY W.S.
REVISION NO. 1	REVIEWED BY







**EXPLANATION**

- MW-1 MONITORING WELL LOCATION
- SB-1 SOIL BORING LOCATION
- (4.60) GROUND WATER ELEVATION IN FEET RELATIVE TO AN ASSUMED BENCH MARK
- 4.00- INFERRED WATER TABLE CONTOUR IN FEET RELATIVE TO AN ASSUMED BENCH MARK
- ➔ INFERRED GROUND WATER FLOW DIRECTION



**FIGURE 4**  
**GROUNDWATER ELEVATION CONTOUR MAP**  
**POST PURGE - 10/31/02**

CHEVRON STATION NO. 9-1851  
 451 HEGENBERGER ROAD  
 OAKLAND, CA.

PROJECT NO. DG91-851	DRAWN BY M.L. 11/14/02
FILE NO. DG918511	PREPARED BY W.S.
REVISION NO.	REVIEWED BY



## **FIELD METHODS AND PROCEDURES**

The following describes field procedures that were completed by Delta personnel in the performance of the tasks involved with this project.

### **1.0 GROUNDWATER DEPTH ASSESSMENT**

Depth to groundwater was measured to the nearest 0.01 foot using an electronic hand held water level indicator. The tip of the probe was examined to assess whether liquid-phase petroleum hydrocarbons or hydrocarbon sheen was present. The depth to groundwater was measured from a marked reference point at the top of each well riser. Each reference point has been surveyed relative to a mean sea level or temporary benchmark for correlation of groundwater levels at the site.

### **2.0 MONITORING WELL PURGING AND SAMPLING**

Groundwater was purged from the wells by connecting a manifold vacuum hose, slip-cap and drop tube assembly to the wellhead. Once the assembly was connected, approximately 15 inches of mercury vacuum was applied to the wellhead for enhanced fluid recovery. After the water levels within the wells were allowed to stabilize, a sample was collected with a dedicated, clean, disposable plastic bailer. Samples were sealed in air tight vials, packed on ice, and transported to a California-certified laboratory to be analyzed within the EPA-specified holding time for requested analyses.

Each sample container submitted for analysis had a label affixed to identify the job number, sample date, time of sample collection, and a sample number unique to that sample. This information, in addition to a description of the sample, field measurements made, sampling methodology, names of on-site personnel, and any other pertinent field observations, were recorded on sampling information sheets.

A chain-of-custody form was used to record possession of the sample from the time of collection to its arrival at the laboratory. When the samples were shipped, the person in custody of them relinquished the samples by signing the chain-of-custody form and noting the time. The sample control officer at the laboratory verified sample integrity and confirmed that it was collected in the proper container, preserved correctly, and that there was an adequate volume for analysis. The laboratory then assigns each sample with a unique identification number that will designate a given sample until it is properly destroyed.

**ENCLOSURE B**

Copies of Certified Laboratory Analytical Reports  
With Chain of Custody Documentation



## 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 829263. Samples arrived at the laboratory on Saturday, November 02, 2002. The PO# for this group is 99011184 and the release number is STREICH.

<u>Client Description</u>			<u>Lancaster Labs Number</u>
MW-7-W-021031	NA	Water	3932965
MW-4-W-021031	NA	Water	3932966
MW-7-W-021031	NA	Water	3932967
MW-4-W-021031	NA	Water	3932968

1 COPY TO Delta Environmental

Attn: Mr. Ben Heningburg

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

Respectfully Submitted,

  
**Robert E. Mellinger**  
Sr. Chemist/Coordinator



Lancaster Laboratories Sample No. WW 3932965

Collected: 10/31/2002 08:40 by WS

Account Number: 10900

Submitted: 11/02/2002 10:20  
 Reported: 11/12/2002 at 12:54  
 Discard: 12/13/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

MW-7-W-021031 NA Water  
 Facility# 91851 DECR  
 451 Hegenberger Rd T0600102238 MW-7

851M7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	89.	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.						
01594	BTEX + Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	230.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	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

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/04/2002 23:15	Melissa D Mann	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	11/06/2002 06:10	Kenneth L Boley Jr	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/04/2002 23:15	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/06/2002 06:10	Kenneth L Boley Jr	n.a.



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 3932966

Collected: 10/31/2002 08:50 by WS

Account Number: 10900

Submitted: 11/02/2002 10:20  
 Reported: 11/12/2002 at 12:54  
 Discard: 12/13/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

MW-4-W-021031 NA Water  
 Facility# 91851 DECR  
 451 Hegenberger Rd T0600102238 MW-4

851M4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	490.	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.						
01594	BTEX + Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	2,200.	10.	ug/l	20
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	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

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/05/2002 00:13	Melissa D Mann	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	11/06/2002 10:32	Kenneth L Boley Jr	20
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	11/06/2002 12:43	Kenneth L Boley Jr	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/05/2002 00:13	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/06/2002 10:32	Kenneth L Boley Jr	n.a.



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 3932967

Collected: 10/31/2002 15:35 by WS

Account Number: 10900

Submitted: 11/02/2002 10:20  
 Reported: 11/12/2002 at 12:54  
 Discard: 12/13/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

MW-7-W-021031 NA Water  
 Facility# 91851 DECR  
 451 Hegenberger Rd T0600102238 MW-7

851-7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	200.	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.						
01594	BTEX + Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	260.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	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

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Analyst	Dilution Factor
			Trial#	Date and Time			
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/05/2002 05:07		Melissa D Mann	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	11/06/2002 06:36		Kenneth L Boley Jr	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/05/2002 05:07		Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/06/2002 06:36		Kenneth L Boley Jr	n.a.



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 3932968

Collected: 10/31/2002 15:44 by WS

Account Number: 10900

Submitted: 11/02/2002 10:20

ChevronTexaco

Reported: 11/12/2002 at 12:54

6001 Bollinger Canyon Rd L4310

Discard: 12/13/2002

San Ramon CA 94583

MW-4-W-021031 NA Water  
 Facility# 91851 DECR  
 451 Hegenberger Rd T0600102238 MW-4

851-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	330.	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.						
01594	BTEX + Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	770.	5.	ug/l	10
05401	Benzene	71-43-2	0.9	0.5	ug/l	1
05407	Toluene	108-88-3	1.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	2.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	13.	0.5	ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/05/2002 03:29	Melissa D Mann	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	11/06/2002 10:58	Kenneth L Boley Jr	10
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	11/06/2002 15:58	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/05/2002 03:29	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/06/2002 15:58	John B Kiser	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	11/06/2002 10:58	Kenneth L Boley Jr	n.a.



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: 11/12/02 at 12:55 PM

Group Number: 829263

### 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: 02308A51A TPH-GRO - Waters	Sample number(s): 3932965-3932966							
	N.D.	50.	ug/l	100	99	74-116	1	30
Batch number: 02308A51B TPH-GRO - Waters	Sample number(s): 3932967-3932968							
	N.D.	50.	ug/l	100	99	74-116	1	30
Batch number: N023101AA Methyl t-butyl ether	Sample number(s): 3932965-3932968							
Benzene	N.D.	.5	ug/l	96		77-127		
Toluene	N.D.	.5	ug/l	108		85-117		
Ethylbenzene	N.D.	.5	ug/l	110		85-115		
Xylene (Total)	N.D.	.5	ug/l	109		82-119		
	N.D.	.5	ug/l	110		84-120		
Batch number: N023101AB Benzene	Sample number(s): 3932968							
Toluene	N.D.	.5	ug/l	108		85-117		
Ethylbenzene	N.D.	.5	ug/l	110		85-115		
Xylene (Total)	N.D.	.5	ug/l	109		82-119		
	N.D.	.5	ug/l	110		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>BKG MAX</u>	<u>DUP CONC</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 02308A51A TPH-GRO - Waters	Sample number(s): 3932965-3932966							
	95		74-132					
Batch number: 02308A51B TPH-GRO - Waters	Sample number(s): 3932967-3932968							
	95		74-132					
Batch number: N023101AA Methyl t-butyl ether	Sample number(s): 3932965-3932968							
Benzene	98	102	69-134	4	30			
Toluene	109	111	78-134	1	30			
Ethylbenzene	114	114	83-127	0	30			
Xylene (Total)	(2)	(2)	82-134	1	30			
	108	111	82-130	2	30			
Batch number: N023101AB Benzene	Sample number(s): 3932968							
Toluene	109	111	78-134	1	30			
Ethylbenzene	114	114	83-127	0	30			
Xylene (Total)	(2)	(2)	82-134	1	30			
	108	111	82-130	2	30			

### Surrogate Quality Control

Analysis Name: TPH-GRO - Waters  
 Batch number: 02308A51A  
 Trifluorotoluene-F

\*- 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: 11/12/02 at 12:55 PM

Group Number: 829263

### Surrogate Quality Control

3932965      92  
 3932966      95  
 Blank        93  
 LCS         107  
 LCSD        105  
 MS          96

Limits:        57-146

Analysis Name: TPH-GRO - Waters  
 Batch number: 02308A51B  
                   Trifluorotoluene-F

3932967      98  
 3932968      92  
 Blank        94  
 LCS         107  
 LCSD        105  
 MS          96

Limits:        57-146

Analysis Name: BTEX + Oxygenates by 8260B  
 Batch number: N023101AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3932965	93	95	100	98
3932966	93	93	101	98
3932967	93	95	102	99
Blank	98	99	100	96
LCS	95	98	105	106
MS	94	99	103	105
MSD	93	96	102	103

Limits:        86-118                                  80-120                                  88-110                                  86-115

Analysis Name: BTEX + Oxygenates by 8260B  
 Batch number: N023101AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3932968	94	93	101	101
Blank	98	98	100	97
LCS	95	98	105	106
MS	94	99	103	105
MSD	93	96	102	103

Limits:        86-118                                  80-120                                  88-110                                  86-115

\*- Outside of specification

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



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 Lancaster, PA 17605-2425  
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# Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only  
 Acct. #: 10900 Sample #: 3932965-8 SCR#: \_\_\_\_\_

10/28/2002 15:09 FAX

Facility #: Chevron Service Station # 9-1851  
 Site Address: 451 Hegenberger Rd., OAKLAND, CA  
 Chevron PM: Streich Lead Consultant: Delta  
 Consultant/Office: 3164 Gold Camp Dr. Ste 200, RANCHO CORDOVA, CA  
 Consultant Prj. Mgr.: Ben Henningburg  
 Consultant Phone #: (916) 536-2623 Fax #: (916) 638-8885  
 Sampler: WILL SLOWIK  
 Service Order #: \_\_\_\_\_  Non SAR: \_\_\_\_\_

**Analyses Requested**

Preservation Codes		Preservative Codes	
H	H	H	H
<input type="checkbox"/>	<input type="checkbox"/>	H = HCl	T = Thiosulfate
<input type="checkbox"/>	<input type="checkbox"/>	N = HNO <sub>3</sub>	B = NaOH
<input type="checkbox"/>	<input type="checkbox"/>	S = H <sub>2</sub> SO <sub>4</sub>	O = Other
<input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy's on highest hit <input type="checkbox"/> 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	8260	8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	Oxyanions	Lead 7420	7421	
MW-7	W			02 10 31	08:40				6	X	X								
MW-4	W			02 10 31	08:50				6	X	X								
MW-7	W			02 10 31	15:35				6	X	X								
MW-4	W			02 10 31	15:44				6	X	X								

Turnaround Time Requested (TAT) (please circle)

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

Data Package Options (please circle if required)

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

Relinquished by: Will Slowik      Date: 11/1/02 Time: 10:00      Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_      Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by Commercial Carrier: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_      Received by: Denis Upton Date: 11/01/02 Time: 10:00

UPS      FedEx      Other \_\_\_\_\_      Temperature Upon Receipt: 40 °C      Custody Seals Intact?      Yes      No

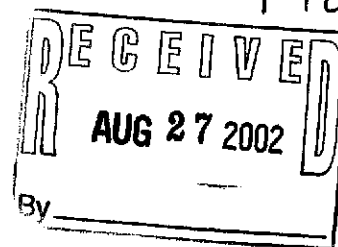
004  
11/01/02

9-1851



## Lancaster Laboratories

Where quality is a science.



### 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 818610. Samples arrived at the laboratory on Monday, August 12, 2002. The PO# for this group is 99011184 and the release number is STREICH.

<u>Client Description</u>		<u>Lancaster Labs Number</u>
MW-7-W-020808	Grab Water	3877690
MW-4-W-020808	Grab Water	3877691
MW-4-W-020808	Grab Water	3877692
MW-7-W-020808	Grab Water	3877693

1 COPY TO Delta Environmental

Attn: Mr. Ben Heningburg

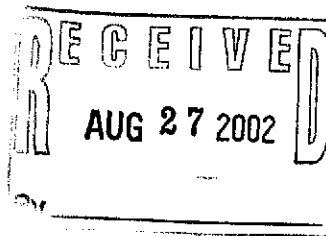
Questions? Contact your Client Services Representative  
Teresa M Lis at (717) 656-2300.

Respectfully Submitted,

*Robert E. Mellinger*  
**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 3877690

Collected: 08/08/2002 08:55 by WS

Account Number: 10900

Submitted: 08/12/2002 09:40

ChevronTexaco

Reported: 08/23/2002 at 14:50

6001 Bollinger Canyon Rd L4310

Discard: 09/23/2002

San Ramon CA 94583

MW-7-W-020808

Grab Water

Facility# 91851

DECR

451 Hegenberger Dr Oakland T0600102238 MW-7

M7855

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	Units	Dilution Factor
				Method		
				Detection Limit		
01728	TPH-GRO - Waters	n.a.	74.	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.						
01594	BTEX + Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	190.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	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

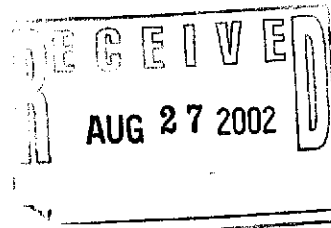
State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/14/2002 12:16	Matthew E Barton	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	08/15/2002 12:05	Kenneth L Boley Jr	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/14/2002 12:16	Matthew E Barton	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2002 12:05	Kenneth L Boley Jr	n.a.



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Lancaster Laboratories Sample No. **WW 3877693**

Collected: 08/08/2002 16:10 by **WS**

Account Number: 10900

Submitted: 08/12/2002 09:40

ChevronTexaco

Reported: 08/23/2002 at 14:50

6001 Bollinger Canyon Rd L4310

Discard: 09/23/2002

San Ramon CA 94583

MW-7-W-020808

Grab Water

Facility# 91851

DECR

451 Hegenberger Dr Oaklan T0600102238 MW-7

M7610

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	TPH-GRO - Waters	n.a.	410.		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.							
01594	BTEX + Oxygenates by 8260B						
02010	Methyl t-butyl ether	1634-04-4	400.		1.	ug/l	2.5
05401	Benzene	71-43-2	0.5		0.5	ug/l	1
05407	Toluene	108-88-3	N.D.		0.5	ug/l	1
05415	Ethylbenzene	100-41-4	2.		0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.		0.5	ug/l	1

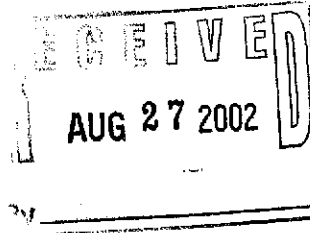
State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/14/2002 14:37		Matthew E Barton	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	08/15/2002 12:31		Kenneth L Boley Jr	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	08/15/2002 14:19		Kenneth L Boley Jr	2.5
01146	GC VOA Water Prep	SW-846 5030B	1	08/14/2002 14:37		Matthew E Barton	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2002 12:31		Kenneth L Boley Jr	n.a.



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Lancaster Laboratories Sample No. WW 3877691

Collected: 08/08/2002 09:00 by WS

Account Number: 10900

Submitted: 08/12/2002 09:40

ChevronTexaco

Reported: 08/23/2002 at 14:50

6001 Bollinger Canyon Rd L4310

Discard: 09/23/2002

San Ramon CA 94583

MW-4-W-020808

Grab Water

Facility# 91851

DECR

451 Hegenberger Dr Oakland T0600102238 MW-4

M4900

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
01728	TPH-GRO - Waters	n.a.	370.	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.						
01594	BTEX + Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	2,400.	10.	ug/l	20
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	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

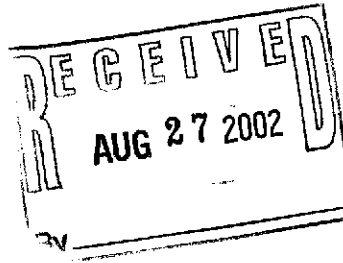
State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/14/2002 12:47	Matthew E Barton	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	08/15/2002 10:47	Kenneth L Boley Jr	20
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	08/15/2002 12:57	Kenneth L Boley Jr	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/14/2002 12:47	Matthew E Barton	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2002 10:47	Kenneth L Boley Jr	n.a.



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 Lancaster, PA 17605-2425  
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Lancaster Laboratories Sample No. WW 3877692

Collected: 08/08/2002 15:50 by WS

Account Number: 10900

Submitted: 08/12/2002 09:40

ChevronTexaco

Reported: 08/23/2002 at 14:50

6001 Bollinger Canyon Rd L4310

Discard: 09/23/2002

San Ramon CA 94583

MW-4-W-020808 Grab Water

Facility# 91851 DECR

451 Hegenberger Dr Oakland T0600102238 MW-4

M4550

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. 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.						
01594	BTEX + Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	220.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	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

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/14/2002 14:05	Matthew E Barton	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	08/15/2002 09:55	Kenneth L Boley Jr	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/14/2002 14:05	Matthew E Barton	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2002 09:55	Kenneth L Boley Jr	n.a.



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## Lancaster Laboratories Quality Control Summary

**RECEIVED**

**AUG 27 2002**

Client Name: ChevronTexaco  
Reported: 08/23/02 at 02:51 PM

Group Number: 816610

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 02225A02A								
TPH-GRO - Waters	N.D.	50.	ug/l	101	97	74-116	4	30
Batch number: N022262AB								
Methyl t-butyl ether	N.D.	.5	ug/l	102		77-127		
Benzene	N.D.	.5	ug/l	102		85-117		
Toluene	N.D.	.5	ug/l	102		85-115		
Ethylbenzene	N.D.	.5	ug/l	103		82-119		
Xylene (Total)	N.D.	.5	ug/l	105		84-120		

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 02225A02A								
TPH-GRO - Waters	104		74-132					
Batch number: N022262AB								
Methyl t-butyl ether	100	100	69-134	0	30			
Benzene	104	104	78-134	0	30			
Toluene	106	105	83-127	1	30			
Ethylbenzene	105	104	82-134	2	30			
Xylene (Total)	107	105	82-130	2	30			

### Surrogate Quality Control

Analysis Name: TPH-GRO - Waters  
Batch number: 02225A02A  
Trifluorotoluene-F

3877690	83
3877691	83
3877692	81
3877693	92
Blank	81
LCS	95
LCSD	90
MS	92

Limits: 57-146

\*- Outside of specification

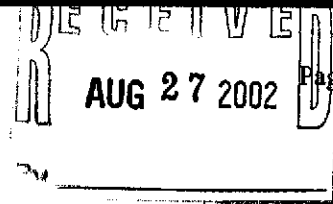
- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



Lancaster Laboratories, Inc.  
2425 New Holland Pike  
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Lancaster, PA 17605-2425  
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## Lancaster Laboratories Quality Control Summary



Client Name: ChevronTexaco  
Reported: 08/23/02 at 02:51 PM

Group Number: 818610

### Surrogate Quality Control

Analysis Name: BTEX + Oxygenates by 8260B  
Batch number: N022262AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3877690	99	93	97	93
3877691	97	90	98	95
3877692	104	92	96	93
3877693	99	94	98	95
Blank	107	98	97	94
LCS	102	98	100	103
MS	101	95	99	104
MSD	102	98	100	103
Limits:	86-118	80-120	88-110	86-115

\*- Outside of specification

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



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

Facility #: Chevron # 9-1851 (Former)  
Site Address: 451 Hegenberger Drive, Oakland  
Chevron PM: Streich Lead Consultant: Delta Environmental  
Consultant/Office: 3164 Gold Camp Drive, Ste. 200 Rancho Cordova, CA  
Consultant Prj. Mgr.: Ben Henningburg  
Consultant Phone #: (916)536-2623 Fax #: (916)638-8385  
Sampler: Will Slowik  
Service Order #: \_\_\_\_\_  Non SAR: \_\_\_\_\_

**Analyses Requested**

**Preservation Codes**

**Preservative Codes**

H = HCl      T = Thiosulfate  
N = HNO<sub>3</sub>    B = NaOH  
S = H<sub>2</sub>SO<sub>4</sub>    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 <input type="checkbox"/> 8021 <input type="checkbox"/>	TPH 8015 MOD GRO	TPH 8015 MOD DRO <input type="checkbox"/> Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>	BTEX/MTBE by 8260 B
MW-7	H <sub>2</sub> O			02 08 08	08:55				5	X						X
MW-4	H <sub>2</sub> O			02 08 08	09:00				5	X						X
MW-4	H <sub>2</sub> O			02 08 08	15:50				5	X						X
MW-7	H <sub>2</sub> O			02 08 08	16:10				5	X						X

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)

STD. TAT 24 hour 48 hour 5 day

Data Package Options (please circle if required)

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

Relinquished by: *Will Slowik* Date: 8/9/02 Time: 11:00  
Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by Commercial Carrier: UPS  FedEx Other \_\_\_\_\_  
Received by: *Cress Zook* Date: 8/12/02 Time: 09:00

Temperature Upon Receipt: 715.0 °C  
Custody Seals Intact? Yes  No