Thomas K. Bauhs
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Chevron Environmental Management Company
6001 Bollinger Canyon Road
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Tel (925) 842-8898
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June 27, 2007
(date)

Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Facility # 9-2960

Address: 2416 Grove Way, Castro Valley, CA

I have reviewed the attached report titled Subsurface Investigation Report and dated June 27, 2007.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Conestoga Rovers & Associates, upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,

Thomas K. Bauhs
Project Manager

Enclosure: Report

CONESTOGA-ROVERS
& ASSOCIATES

2000 Opportunity Dr., Suite 110, Roseville, California 95678
Telephone: 916-677-3407, ext. 100 Facsimile: 916-677-3687
www.CRAworld.com

June 27, 2007

Mr. Barney Chan
Alameda County Health Care Services Agency (ACHCSA)
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: **Subsurface Investigation Report**

Former Chevron Station 9-2960
2416 Grove Way
Castro Valley, CA

Dear Mr. Chan:

Conestoga-Rovers & Associates (CRA) is submitting this Subsurface Investigation Report for the site referenced above on behalf of the Chevron Environmental Management Company (Chevron). Much of the work described in this report was performed by Cambria and is referenced as such. Cambria advanced three soil borings (B-10, B-11 and B-12) to further define the lateral and vertical extent of hydrocarbons in soil and groundwater. The work was performed in accordance with Cambria's *Workplan for Additional Investigation*, dated October 9, 2006, which was approved by the ACHCSA in a letter dated October 23, 2006 (Attachment A). The site background, details of the investigation and our conclusions and recommendations are presented below.

SITE BACKGROUND

Site Description: The site is a former Chevron service station located at the northeast corner of the Grove Way and Redwood Road intersection in Castro Valley, California (Figure 1). Topography in the general site vicinity is flat and gently slopes to the south. The site is currently occupied by a Trader Joe's grocery store and an associated parking lot (Figure 2).

Site Geology: Lithology encountered consists primarily of silty sand, silty gravel, clay and clayey gravel to the maximum explored depth of 32 feet below grade (fbg).

Previous Investigations

October 1986 Monitoring Well Installation: In October 1986, EMCON Associates installed groundwater monitoring wells C-1 through C-4. The highest hydrocarbon concentrations detected in groundwater were from well C-1 with 120,000 parts per billion (ppb) total petroleum hydrocarbons as gasoline (TPHg) and 25,000 ppb benzene, respectively.

August 1990 Monitoring Well Installation: GeoStrategies, Inc. installed offsite wells C-5 through C-7 to delineate the lateral extent of hydrocarbons in groundwater.

November 1993 Groundwater and Soil Vapor Extraction System: Weiss Associates (WA) installed well EW-1, which was used as a groundwater and soil vapor extraction system. The system operated from November 1993 through 1996 and removed approximately 8,900 pounds of petroleum hydrocarbons. In 1997, the extraction system was shut down and removed with approval from ACHCSA.

February 1997 Subsurface Investigation: In February 1997, Gettler-Ryan (G-R) advanced borings B-1 through B-6 to investigate soil near the former product piping and dispenser island areas. Borings B-1 though B-4 were advanced to a total depth of 16.5 fbg; borings B-5 and B-6 were advanced to 19.5 fbg. TPHg and benzene concentrations were detected in the capillary fringe zone, from 15.5 to 18.5 fbg, at a maximum of 2,300 and 13 milligrams per kilogram (mg/kg), respectively.

April 1997 Well Abandonment and Destruction: In April 1997, G-R abandoned off-site well C-5 to allow construction activities. Wells C-1, C-2, C-3 and EW-1 were abandoned in September 1998, prior to the Redwood Road widening project. Wells C-4 and C-6 were paved over during the road widening project. Numerous attempts to recover the wells were made by G-R but the wells were not located.

April 2004 Soil Boring and Soil Vapor Point Installation: In April 2004, Cambria advanced one soil boring, SB-1, and installed four shallow (<5 fbg) temporary soil vapor points, SV-1 through SV-4, in order to assess indoor air human health risks for residential standards and to further define the methyl tertiary butyl ether (MTBE) plume. SB-1 was advanced to 22 fbg. TPHg was detected in soil and groundwater samples collected from SB-1 at a concentration of 3.6 mg/kg and 180 micrograms per liter (µg/L). MTBE was not detected above laboratory reporting limits, indicating that the MTBE plume had likely not migrated offsite. Analytical results of soil vapor sampling indicated only very slight concentrations of hydrocarbon constituents exist in onsite shallow soils in the vicinity of the vapor points.

INVESTIGATION RESULTS

The objective of this investigation was to further define the lateral and vertical extent of petroleum hydrocarbons in soil and groundwater beneath site. To meet this objective, Cambria advanced three soil borings to a maximum depth of 32 fbg.

The results of Cambria's March 21, 2007 subsurface investigation are summarized below. Soil sample results are summarized in Table 1. Groundwater sample results are summarized in Table 2. Regulatory Correspondence is presented in Attachment A. Drilling permits are presented in Attachment B. Boring Logs are presented as Attachment C. The analytical report of soil and groundwater samples is presented in Attachment D. Standard Field Procedures for borings and wells are presented in Attachment E.

Permits: Alameda County Public Works Agency Well Permit #W2006-1008, and Alameda County Flood Control and Water Conservation District Flood Encroachment Permit #R06LD8295 (Attachment B).

Drilling Dates: March 21, 2007

Drilling Company: Gregg Drilling of Martinez, CA (C-57 Lic. # 485165).

Sampling Personnel: Cambria Staff Geologist Rebecca Rouas and Staff Scientist John Bostick conducted all fieldwork under the supervision of California Professional Geologist David Herzog (PG# 7211).

Number of Borings: Three borings (B-10, B-11 and B-12).

Drilling Method: The first 8 feet of the borings were cleared using a combination of hand auger and airknife to ensure no subsurface utilities were encountered. Below 8 fbg, B-10 through B-12 were advanced using the direct push method.

Soil Sampling: Soil samples were collected every five feet, beginning at 5 fbg. The sample collected at 5 fbg was a grab sample collected in a brass sleeve. The samples below 5 fbg were collected in an acetate sleeve. Standard Field Procedures for Geoprobe sampling are presented in Attachment E.

Soil Screening: Soil samples were screened using a photo-ionization detector (PID). All soil samples were submitted to Lancaster Laboratories for analysis.

Encountered Lithology: Lithology encountered consists primarily of silty sand, silty gravel, clay and clayey gravel to the maximum explored depth of 32 feet below grade fbg. Cross sections are provided as Figures 3 and 4.

Soil Disposal: Soil cuttings were stored in a 55-gallon drum on-site. The drum of soil cuttings was scheduled to be removed by Integrated Waste Stream Management and transported to Newby Island Landfill in Milpitas, California.

Groundwater Depth: Groundwater was encountered at approximately 20 fbg, 17 fbg and 22 fbg in soil borings B-10, B-11 and B-12, respectively.

Groundwater sampling: Two discrete groundwater samples were collected from borings B-10 and B-11 at approximately 20 fbg and 28 fbg, and 17 fbg and 28 fbg, respectively. Groundwater was collected from boring B-12 at 32 fbg. All samples were submitted for analysis.

Laboratory Analysis: Soil and groundwater samples were analyzed for the following constituents:

- TPHg by EPA Method 8015M, and
- BTEX, MTBE, tert-butyl alcohol (TBA), di-isopropyl ether (DIPE), tert-amyl methyl ether (TAME), ethyl tert-butyl ether (ETBE), ethylene dibromide (EDB), and 1,2-dichloroethane (1,2-DCA) by EPA Method 8260B.

Tables 1 and 2 summarize soil and groundwater analytical results, respectively.

HYDROCARBONS IN SOIL

TPHg was reported at a maximum concentration of 1.3 mg/kg in boring B-10 at 20 fbg. Benzene was reported at a maximum concentration of 0.011 mg/kg in boring B-11 at 20 fbg. MTBE was reported at a maximum concentration of 0.0008 mg/kg in boring B-12 at 20 fbg. Based on these results, the lateral and vertical extent of hydrocarbons in soil are defined onsite, and to the northwest and west.

HYDROCARBONS IN GROUNDWATER

TPHg was reported in borings B-10-W-20, B-10-W-28, B-11-W-17 and B-11-W-28 at concentrations of 35,000 µg/L, 1,700 µg/L, 67,000 µg/L and 4,200 µg/L, respectively. TPHg was not above laboratory detection limits in sample B-12-W-32. Benzene was detected in samples B-10-W-20, B-10-W-28, B-11-W-17 and B-11-W-28 at concentrations of 1,500 µg/L, 23 µg/L, 6,600 µg/L and 100 µg/L, respectively. BTEX was not detected above laboratory detection limits in sample B-12-W-32. MTBE was not detected above laboratory detection limits in any of the borings. Based on these results, the lateral extent of dissolved hydrocarbons are defined to the northwest (B-12), but not to the west (B-11). Results from B-10 indicate the vertical extent of dissolved hydrocarbons is not vertically defined. The distribution of dissolved TPHg, benzene, and MTBE in groundwater is presented in Figures 5 through 10.

CONCLUSIONS AND RECOMMENDATIONS

On March 21, 2007, three soil borings (B-10, B-11, and B-12) were advanced to investigate the lateral and vertical extent of petroleum hydrocarbons in soil and groundwater. TPHg and MTBE were each detected in one soil sample at very low concentrations, and benzene was detected in two soil samples at low concentrations. Groundwater samples collected from B-10 and B-11 contained TPHg and benzene at elevated concentrations at 17 to 20 fbg, and at 28 fbg. The lateral extent of TPHg and benzene is not defined west of the site based on the concentrations of dissolved hydrocarbons in B-11. The vertical extent of hydrocarbons is also not defined based on dissolved hydrocarbons detected at 28 fbg in B-10 and B-11.

CRA recommends the installation of a transect of borings along the western edge of Redwood Road. Monitoring well C-6, which is paved over and has not been sampled since 2000, is located downgradient of boring B-11. Prior to 2000, groundwater results from C-6 were non-detect. Analytical results from the transect borings offsite will determine if the lateral and vertical extents of soil and groundwater further downgradient of the site are still defined. In addition, two onsite soil borings will be advanced to delineate the vertical extent of dissolved hydrocarbons.

CLOSING

Please contact John Bostick at (916) 677-3407 ext 107 with any questions or if you require additional information.

Sincerely,
Conestoga-Rovers & Associates

John Bostick
Staff Scientist

Brian Carey, P.G. #7820
Project Geologist

PROFESSIONAL GEOLOGIST
BRIAN P. CAREY
No. 7820
Exp. 1/08
STATE OF CALIFORNIA

Figures:
1 – Vicinity Map
2 – Site Plan
3 – Cross Section A-A'
4 – Cross Section B-B'
5 – TPHg Concentrations in Groundwater – Shallow
6 – TPHg Concentrations in Groundwater – Deep
7 – Benzene Concentrations in Groundwater - Shallow
8 – Benzene Concentrations in Groundwater - Deep
9 – MTBE Concentrations in Groundwater - Shallow
10 – MTBE Concentrations in Groundwater - Deep

Tables:
1 – Analytical Results for Soil Samples
2 – Analytical Results for Grab Groundwater

Attachments:
A – Regulatory Correspondence
B – Drilling Permits and Encroachment Permits
C – Boring Logs
D – Laboratory Analytical Report
E – Standard Field Procedures for GEOPROBE® soil and groundwater sampling

cc: Kelly Esters, Chevron Environmental Management Company, PO Box 6012, K2236, San Ramon, CA 94583

Conestoga-Rovers & Associates (File Copy)

02/20/04

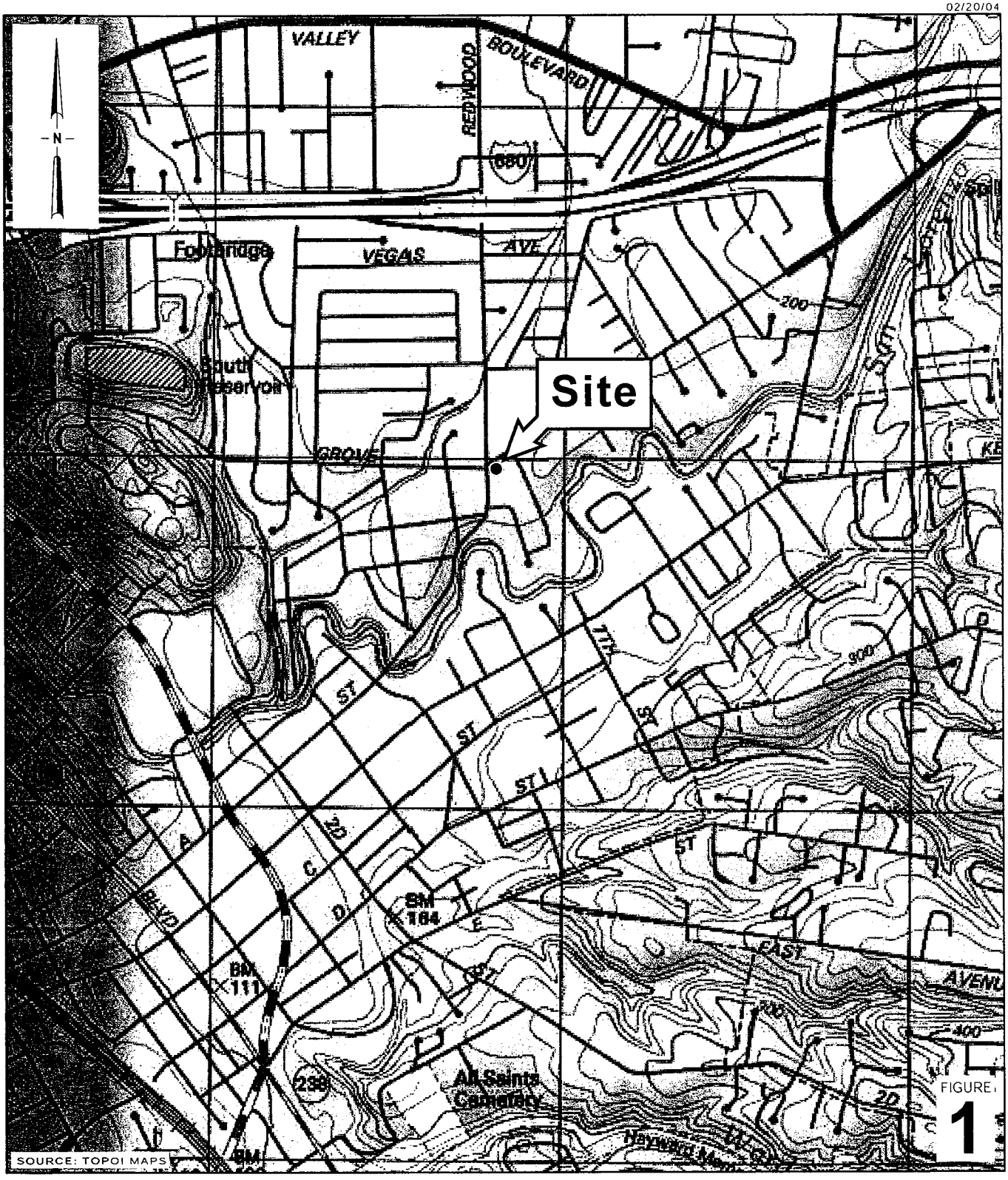

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FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Former Chevron Station 9-2960

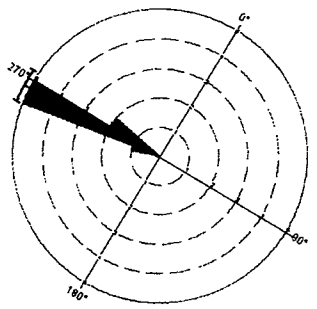
2416 Grove Way

Castro Valley, California

Vicinity Map

CONESTOGA-ROVERS & ASSOCIATES

06/20/07



Historical Groundwater Gradient

1Q96 to 4Q98

Building

EXPLANATION

SV-1	⊛	Vapor boring location
MW-1	⊕	Monitoring well location
B-1	◉	Soil boring location
SB-1	◉	Soil boring location (2004)
C-2	⊠	Abandoned well location

C-5 ⊠

C-6 ⊠

B-12 ◉

B-11 ◉

C-7 ⊕

C-3 ⊠

B-9 ◉

SB-1 ◉

C-2 ⊠

former dispenser island

former used oil tank

B-1 ◉

B-8 ◉

SV-2 ⊛

B-2 ◉

C-1 ⊠

C-8 ⊕

former USTs

former Station Building

B-10 ⊠

B-3 ◉

EW-1

SV-4 ⊛

SV-1 ⊛

B-4 ◉

planter

B-5 ◉

SV-3 ⊛

former dispenser island

B-7 ◉

B-6

C-4 ⊠

REDWOOD ROAD

GROVE WAY

GROVE WAY

N

0 15 30 60

Scale (ft)

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Site Plan

CONESTOGA-ROVERS & ASSOCIATES

Former Chevron Service Station 9-2960

2416 Grove Way

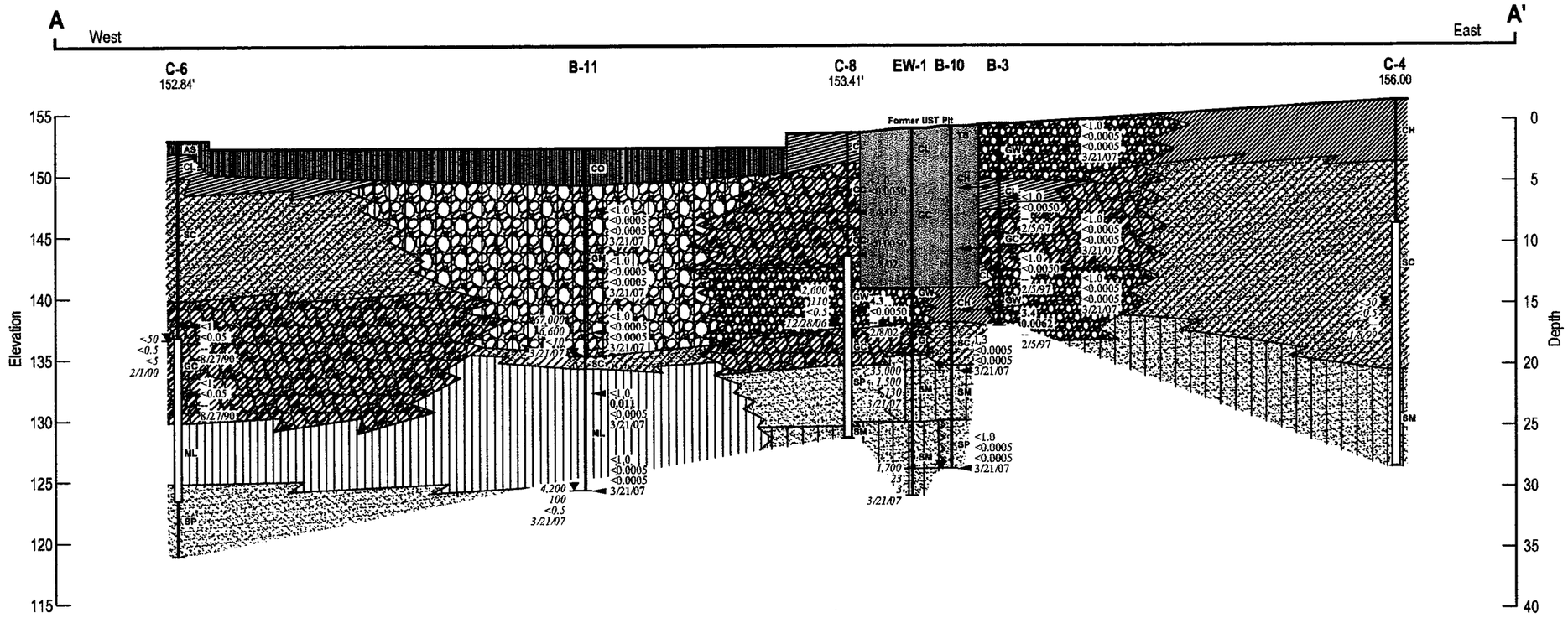
Castro Valley, California

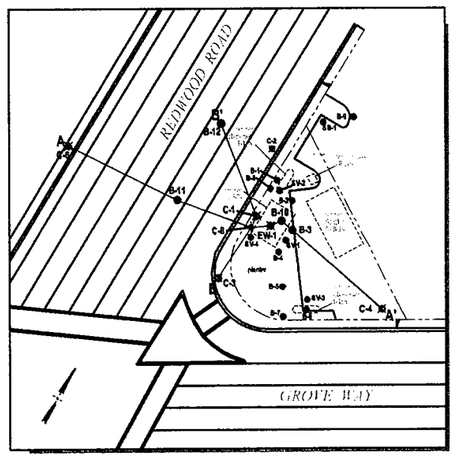
FIGURE

2

6/21/07

Geologic Cross Section A-A'





EXPLANATION

- GW - Well-graded gravels, gravel-sand mixtures, little or no fines
- GM - Silty gravels, gravel-sand-silt mixtures
- GC - Clayey gravels, gravel-sand-clay mixtures
- SP - Poorly-graded sands, gravelly sands, little or no fines
- SM - Silty sands, sand-silt mixtures
- SC - Clayey sands, sand-clay mixtures
- ML - Inorganic silts, very fine sands, silty or clayey fine sands, clayey silts with slight plasticity
- CL - Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty calys, lean clays
- CH - Inorganic clays of high plasticity
- AS/CO - Asphalt/Concrete
- UST - UST tank pit fill

- **Well ID** — Well Designation
- Elev. — Top of Casing Elevation
- Groundwater Monitoring Well
- Well Screen Interval
- Bottom of boring
- Approximate sample location
- TPHg / Benzene / MTBE / Date — Hydrocarbon concentrations in Soil, in parts per million
- Depth of Groundwater - 09/14/04 (unless otherwise noted)
- *TPHg / Benzene / MTBE / Date* — Hydrocarbon concentrations in Groundwater, in parts per billion

10
Scale (ft)
0
20

FIGURE
3

Former Chevron Service Station 9-2960
2416 Grove Way
Castro Valley, California

CONESTOGA-ROVERS & ASSOCIATES

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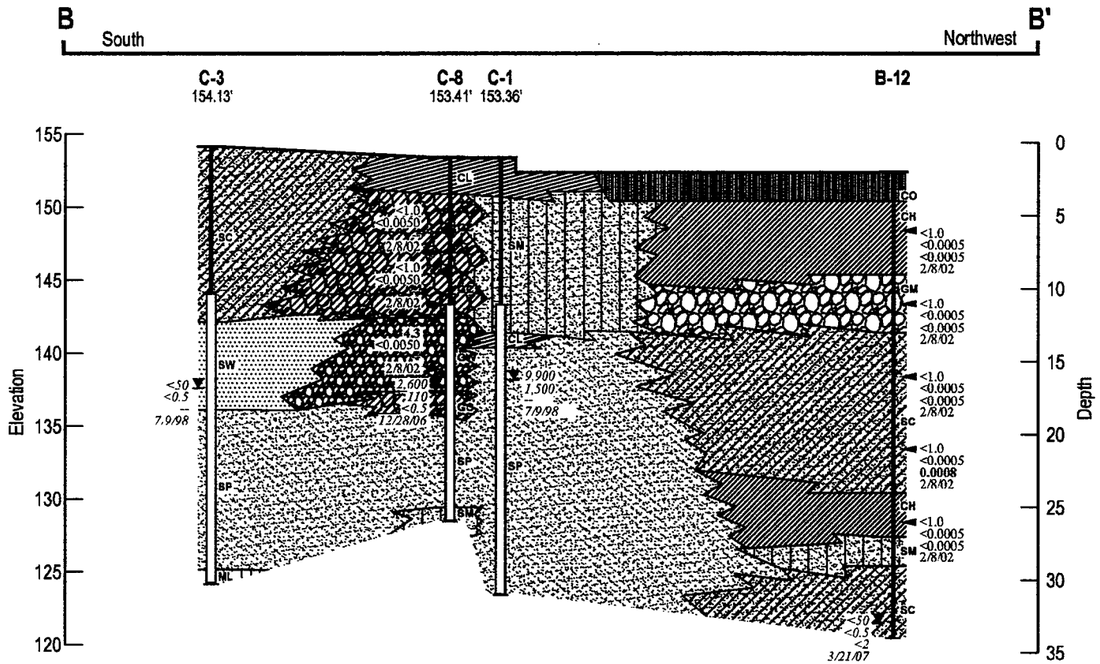
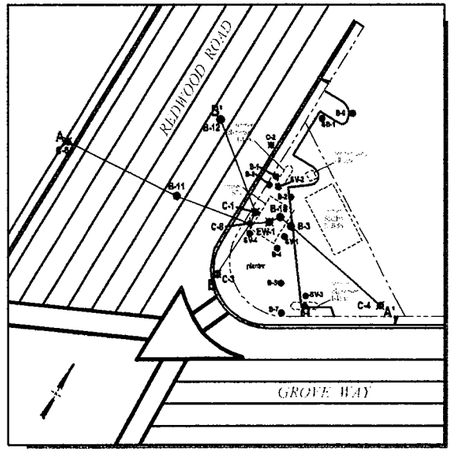
Geologic Cross Section B-B'





EXPLANATION

- GW - Well-graded gravels, gravel-sand mixtures, little or no fines
- GM - Silty gravels, gravel-sand-silt mixtures
- GC - Clayey gravels, gravel-sand-clay mixtures
- SW - Well-graded sand, gravelly sands, little or no fines
- SP - Poorly-graded sands, gravelly sands, little or no fines
- SM - Silty sands, sand-silt mixtures
- SC - Clayey sands, sand-clay mixtures
- ML - Inorganic silts, very fine sands, silty or clayey fine sands, clayey silts with slight plasticity
- CL - Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty calys, lean clays
- CH - Inorganic clays of high plasticity
- AS/CO - Asphalt/Concrete

- Well ID — Well Designation
- Elev. — Top of Casing Elevation
- Groundwater Monitoring Well
- Well Screen Interval
- Bottom of boring
- Approximate sample location
- TPHg / Benzene / MTBE / Date — Hydrocarbon concentrations in Soil, in parts per million
- Depth of Groundwater - 09/14/04 (unless otherwise noted)
- *TPHg / Benzene / MTBE / Date* — Hydrocarbon concentrations in Groundwater, in parts per billion

10
Scale (ft)
0
20

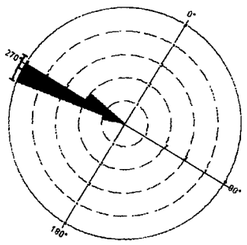
FIGURE
4

Former Chevron Service Station 9-2960
2416 Grove Way
Castro Valley, California

CONESTOGA-ROVERS & ASSOCIATES

06/20/07

TPHg Concentrations in Groundwater
Shallow



Historical Groundwater Gradient

1Q96 to 4Q98

EXPLANATION

- SV-1 — Vapor boring location
- MW-1 — Monitoring well location
- B-1 — Soil boring location
- SB-1 — Soil boring location (2004)
- C-2 — Abandoned well location
- X.X — TPHg concentration contour, dashed where inferred
- Well ID / TPHg — Well designation; TPHg concentrations are in micrograms per liter (µg/L)

REDWOOD ROAD

GROVE WAY

GROVE WAY

building

former dispenser island

former used oil tank

former USTs

former station building

planter

former dispenser island

2,500

25,000

50,000

B-11 67,000

B-10 35,000

C-8 2,600

B-12

B-9

SB-1

C-2

C-6

C-7

C-5

B-1

SV-2

B-8

B-2

C-1

EW-1

B-3

SV-4

SV-1

B-4

C-3

B-5

SV-3

B-7

B-6

C-4

N

0 15 30 60

Scale (ft)

FIGURE

5

Former Chevron Service Station 9-2960

2416 Grove Way

Castro Valley, California

CONESTOGA-ROVERS & ASSOCIATES

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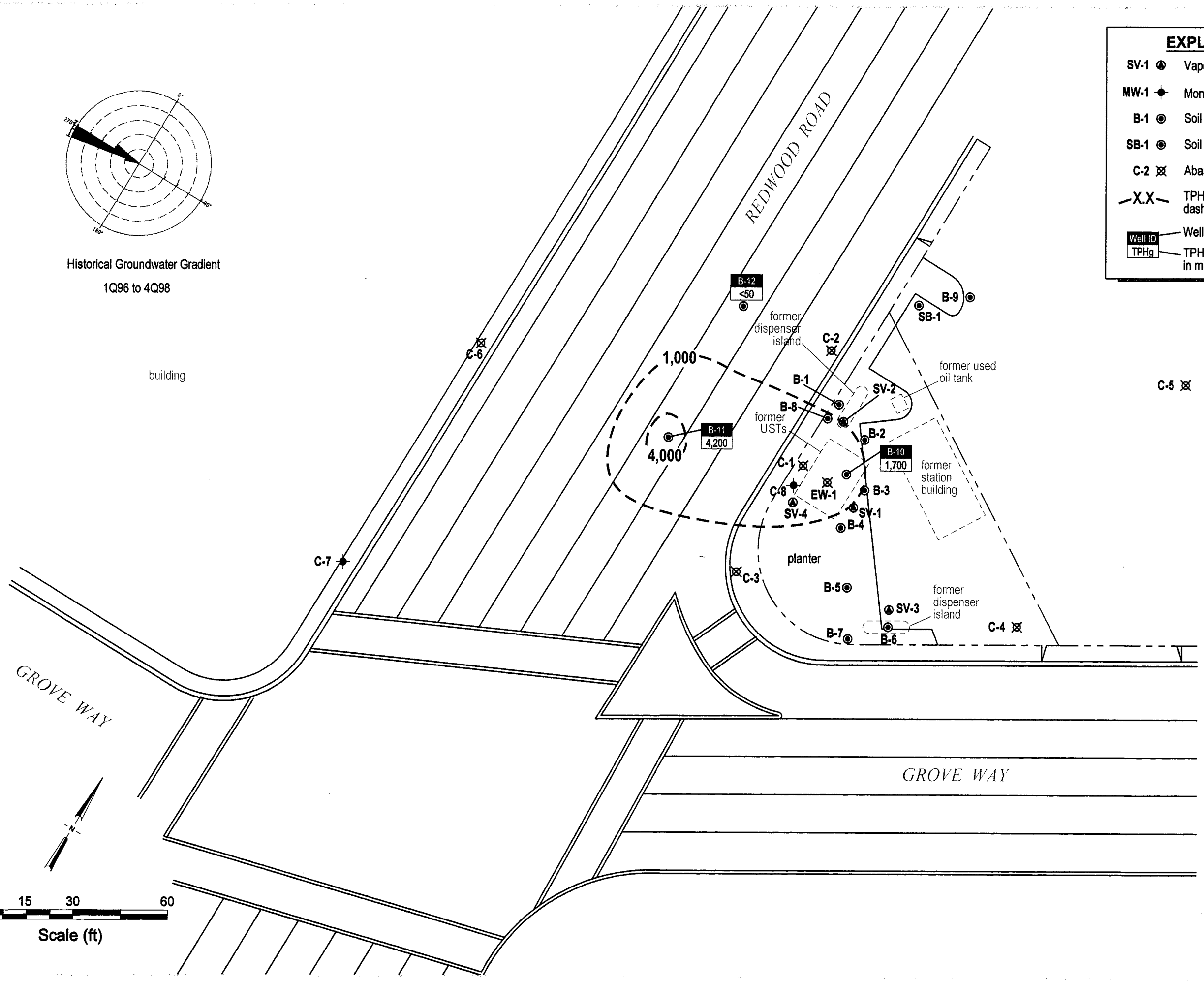
06/20/07

Historical Groundwater Gradient

1Q96 to 4Q98

building



EXPLANATION

- SV-1 — Vapor boring location
- MW-1 — Monitoring well location
- B-1 — Soil boring location
- SB-1 — Soil boring location (2004)
- C-2 — Abandoned well location
- X.X — TPHg concentration contour, dashed where inferred
- Well ID / TPHg — Well designation; TPHg concentrations are in micrograms per liter (µg/L)

C-5

TPHg Concentrations in Groundwater Deep

CONESTOGA-ROVERS & ASSOCIATES

Former Chevron Service Station 9-2960

2416 Grove Way

Castro Valley, California

FIGURE

6

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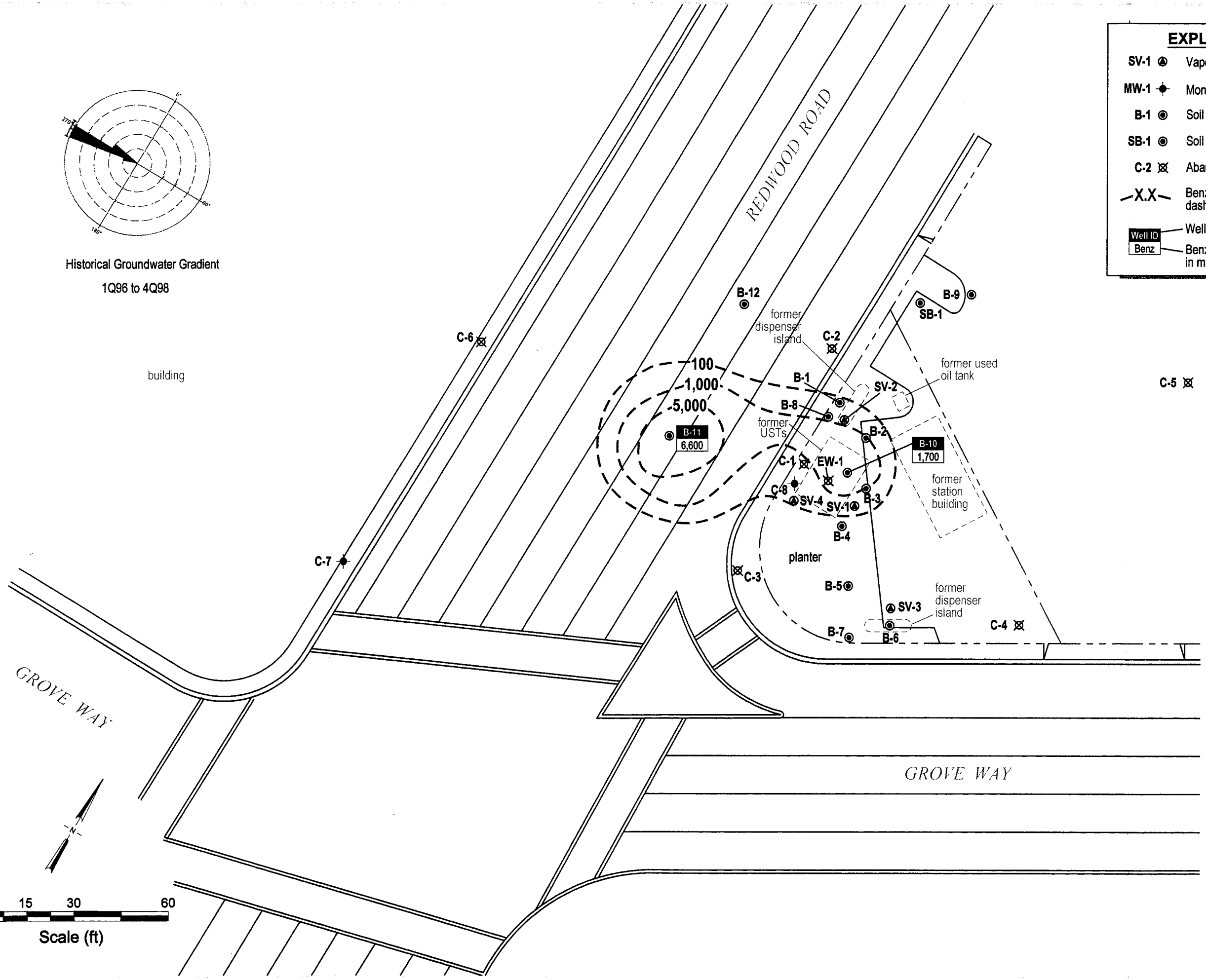
06/20/07

Historical Groundwater Gradient

1Q96 to 4Q98

building



EXPLANATION

- SV-1 — Vapor boring location
- MW-1 — Monitoring well location
- B-1 — Soil boring location
- SB-1 — Soil boring location (2004)
- C-2 — Abandoned well location
- X.X — Benzene concentration contour, dashed where inferred
- Well ID / Benz — Well designation; Benzene concentrations are in micrograms per liter (µg/L)

Benzene Concentrations in Groundwater
Shallow

CONESTOGA-ROVERS & ASSOCIATES

Former Chevron Service Station 9-2960

2416 Grove Way

Castro Valley, California

FIGURE

7

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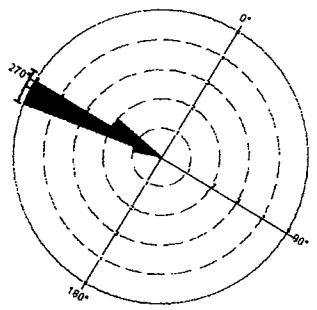
06/20/07

Benzene Concentrations in Groundwater
Deep



Historical Groundwater Gradient

1Q96 to 4Q98

EXPLANATION

- SV-1 — Vapor boring location
- MW-1 — Monitoring well location
- B-1 — Soil boring location
- SB-1 — Soil boring location (2004)
- C-2 — Abandoned well location
- X.X — Benzene concentration contour, dashed where inferred
- Well ID / Benz — Well designation; Benzene concentrations are in micrograms per liter (µg/L)

REDWOOD ROAD

GROVE WAY

GROVE WAY

building

former dispenser island

former used oil tank

former USTs

former station building

former dispenser island

planter

C-5

C-6

C-7

B-12 <0.5

B-11 100

B-9

SB-1

C-2

B-1

B-8

SV-2

B-2

B-10 23

C-1

EW-1

C-8

SV-4

SV-1

B-3

B-4

C-3

B-5

SV-3

B-7

B-6

C-4

10

100

N

0 15 30 60

Scale (ft)

FIGURE

8

Former Chevron Service Station 9-2960

2416 Grove Way

Castro Valley, California

CONESTOGA-ROVERS & ASSOCIATES

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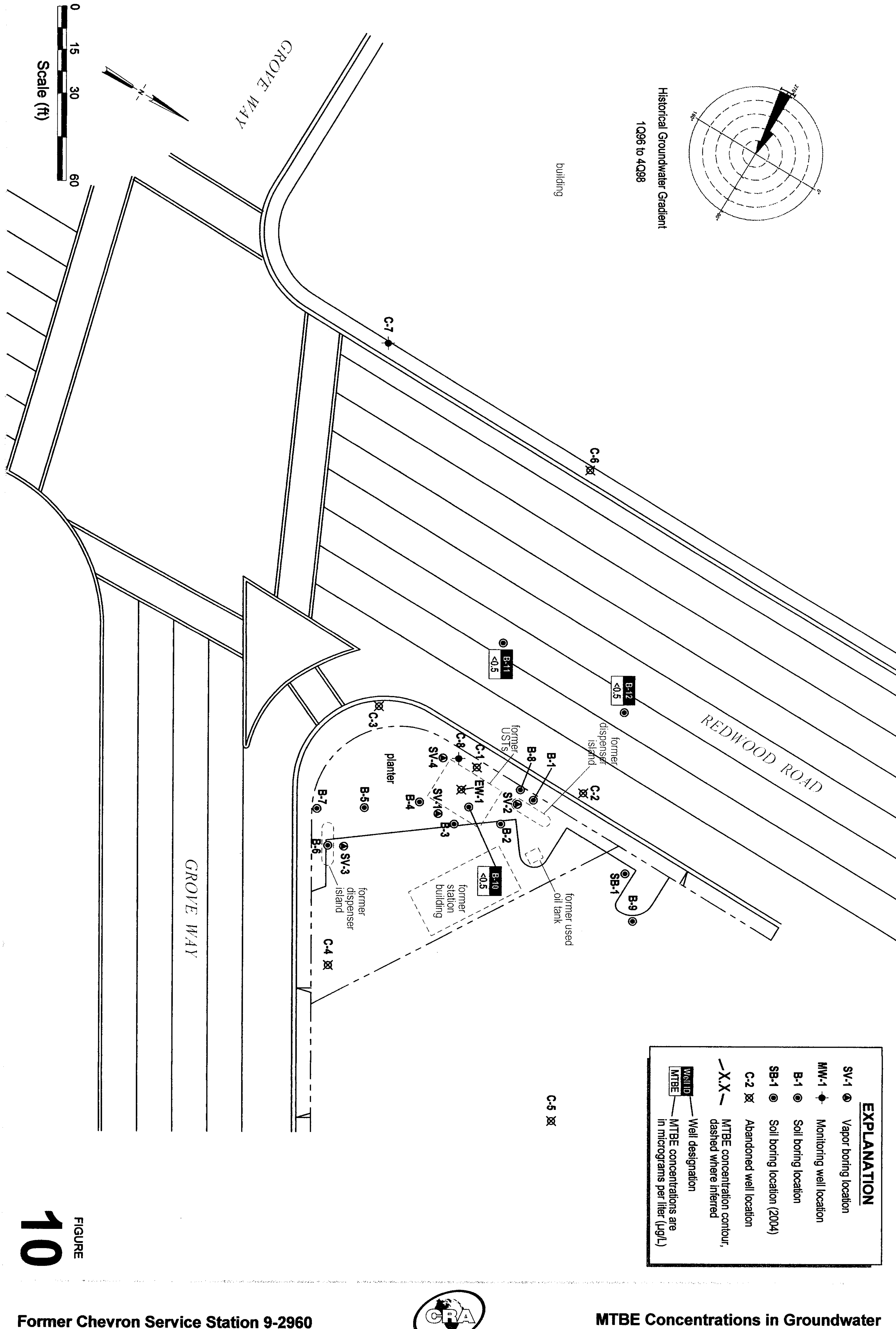


0
15
30
60
Scale (ft)
N
GROVE WAY
building
Historical Groundwater Gradient
1Q96 to 4Q98
C-7
C-6
REDWOOD ROAD
B-11
<0.5
B-12
<0.5
C-3
former USTs
former dispenser island
C-8
C-1
SV-4
B-8
B-1
C-2
planter
EW-1
SV-2
B-5
B-4
SV-1
B-7
B-3
B-2
B-6
SV-3
B-10
<0.5
former station building
former used oil tank
SB-1
B-9
former dispenser island
GROVE WAY
C-4
C-5
EXPLANATION
SV-1 Vapor boring location
MW-1 Monitoring well location
B-1 Soil boring location
SB-1 Soil boring location (2004)
C-2 Abandoned well location
X.X MTBE concentration contour, dashed where inferred
Well ID — Well designation
MTBE — MTBE concentrations are in micrograms per liter (µg/L)
FIGURE
10

Former Chevron Service Station 9-2960
2416 Grove Way
Castro Valley, California

CRA
CONESTOGA-ROVERS & ASSOCIATES

MTBE Concentrations in Groundwater
Deep

Table 1. Analytic Results for Soil Samples - Former Chevron Station 9-2960, 2416 Grove Way, Castro Valley, CA

Sample ID	Sample Depth (ft.)	Sample Date	TPHg	B	T	E	X	MTBE	TBA
			Concentrations reported in milligrams per kilogram (mg/kg) = parts per million						
B-10-5	5	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020
B-10-10	10	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020
B-10-15	15	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020
B-10-20	20	3/21/2007	**1.3**	**0.0006**	<0.001	**0.003**	**0.013**	<0.0005	<0.020
B-10-28	28	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020
B-11-5	5	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020
B-11-10	10	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020
B-11-15	15	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	**0.034**
B-11-20	20	3/21/2007	<1.0	**0.011**	<0.001	**0.003**	**0.001**	<0.0005	**0.068**
B-11-28	28	3/21/2007	<1.0	<0.0005	**0.001**	<0.001	**0.002**	<0.0005	<0.020
B-12-5	5	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020
B-12-10	10	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020
B-12-15	15	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020
B-12-20	20	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	**0.0008**	<0.020
B-12-25	25	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020

Abbreviations/Notes:

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

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

Methyl tertiary butyl ether (MTBE) by EPA Method 8260B

TBA= t-Butyl alcohol by EPA Method 8260B

<x = Not detected above method detection limit. Analysis for 1,2-Dibromoethane, 1-2, Dichloroethane, Ethyl t-butyl ether, di-Isopropyl ether, and t-Amyl methyl ehter by EPA Method 8260B were non-detect for all samples.

Table 2. Analytic Results for Grab Groundwater Samples - Former Chevron Station 9-2960, 2416 Grove Way, Castro Valley, CA

Sample ID	Sample Date	TPHg	B	T	E	X	MTBE	1,2-DCA	TBA
		Concentrations reported in micrograms per liter (µg/l) = parts per billion							
C-8*	12/28/2006	**2,600**	**110**	**4**	**12**	**12**	<0.5	--	<2
B-10-W-20	3/21/2007	**35,000**	**1,500**	**44**	**2,500**	**6,300**	<3	**7**	**130**
B-10-W-28	3/21/2007	**1,700**	**23**	**2**	**76**	**260**	<0.5	<0.5	**3**
B-11-W-17	3/21/2007	**67,000**	**6,600**	**8,700**	**2,900**	**13,000**	<10	<10	**460**
B-11-W-28	3/21/2007	**4,200**	**100**	**130**	**100**	**480**	<0.5	**4**	**15**
B-12-W-32	3/21/2007	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2

Abbreviations/Notes:

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

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

Methyl tertiary butyl ether (MTBE) by EPA Method 8260B

1,2-DCA= 1,2-Dichloroethane by EPA Method 8260B

TBA= t-Butyl alcohol by EPA Method 8260B

<x = Not detected above method detection limit. Analysis for 1,2-Dibromoethane,Ethyl t-butyl ether, di-Isopropyl ether, and t-Amyl methyl ehter by EPA Method 8260B were non-detect for all samples.

*Monitoring well C-8 was used in the isocancentrations map representing water from its screened interval of 10-20 fbg.

ATTACHMENT A

Regulatory Correspondence

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

October 23, 2006

Mr. Dana Thurman
Chevron Environmental Management Co.
P.O. Box 6012, K2236
San Ramon, CA 94583

Dear Mr. Thurman:

Subject: Fuel Leak Case RO0000275, Chevron #9-2960, 2416 Grove Way, Castro Valley, CA 94546

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the subject site including the October 9, 2006 Workplan for Additional Investigation prepared by Cambria. Following our meeting at the County offices, it was determined that additional information would be needed to progress this site to closure. We offer the following technical comment for you to address with the object of obtaining the necessary information to allow site closure. We request you submit the technical reports requested below.

TECHNICAL COMMENTS

1. Two borings are proposed to further delineate impacts to soil and groundwater. Depth discrete groundwater samples are proposed from the first encountered groundwater depth and approximately 10-15' below this depth to determine the vertical extent of contamination. Selected soil and groundwater samples will be analyzed for TPHg, BTEX, MTBE, TBA, DIPE, TAME, ETBE, EDB, EDC and ethanol. Because some of the borings indicate permeable soils at their greatest depth, every effort should be made to determine the vertical extent of contamination. It appears that the borings are proposed within the median of Redwood Road. We request that the northernmost boring be moved southerly to lie west (down-gradient) of former well C-2 and that the southern boring be located west for former well C-1. In addition, we request that an additional boring be drilled in the location of former EW-1. This latter request is based upon the lack of soil data in the boring of EW-1, the lack of post-remediation sampling, the historical presence of free product in this area and the elevated detection limits of the vapor sample from SV-1. Please submit a revised sample location figure to our office as requested below.

2. Please also include a soil and groundwater iso-concentration map, a historic rose diagram for groundwater gradient and N-S, E-W cross-sections including the new borings in the soil and water investigation report requested below.

TECHNICAL REPORT REQUEST

Please submit the following technical reports to our office according to the following schedule:

- November 22, 2006- Revised sample location figure
- January 22, 2007- Soil and Groundwater Investigation Report

ELECTRONIC SUBMITTAL OF REPORTS

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

In order to facilitate electronic correspondence, we request that you provide up to date electronic mail addresses for all responsible and interested parties. Please provide current electronic mail addresses and notify us of future changes to electronic mail addresses by sending an electronic mail message to me at barney.chan@acgov.org.

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and

recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6765.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

cc: files, D. Drogos
Ms. Christene Sunding, Cambria Environmental, 2000 Opportunity Drive, Suite 110, Roseville, CA 95678

10_19_06 2416 Grove Way

ATTACHMENT B

Drilling Permits
And
Encroachment Permits

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 12/01/2006 By jamesy

Permit Numbers: W2006-1008
Permits Valid from 03/21/2007 to 03/21/2007

Application Id: 1164998316431
Site Location: 2416 Grove Way, Castro Valley CA 94546 (former Chevron Service Station 9-2960)
City of Project Site: Castro Valley

Project Start Date: 12/20/2006
Completion Date: 12/24/2006
Extension Start Date: 03/21/2007
Extension End Date: 03/21/2007
Extension Count: 2
Extended By: jamesy

Applicant: Cambria Environmental - Angelique Van Der Paardt
2000 Opportunity, Roseville, CA 95678
Phone: 916-677-3407

Property Owner: 1st Presbyterian Church of Hayward
2490 Grove Way, Castro Valey, CA 94546
Phone: 510-581-6203

Client: ** same as Property Owner **

	Total Due:	$200.00
Receipt Number: WR2006-0530	**Total Amount Paid:**	$200.00
Payer Name : Cambria	Paid By: CHECK	**PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 3 Boreholes
Driller: Gregg Drilling - Lic #: 485165 - Method: other

Work Total: $200.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2006-1008	12/01/2006	03/20/2007	3	4.00 in.	30.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact James Yoo for an inspection time at 510-670-6633 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

6. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this

permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

COUNTY OF ALAMEDA
PUBLIC WORKS AGENCY
399 Elmhurst Street • Hayward, CA 94544-1395
(510) 670-5480

March 14, 2007

Rebecca Rouas
Staff Geologist
Cambria Environmental Technology, Inc
2000 Opportunity Drive, Suite 110
Roseville, CA 95678

AMENDMENT # 1 TO PERMIT # R06 LD8295

Modify the said permit, as follow:

Add the following to the scope of work:

- New borings on Redwood road N/B
- Approved new traffic control plans attached
- New set of conditions attached

All other aspects of the permit shall remain unchanged.

Yours truly,

Carlos A. Monsalve for
Karen Borrmann P.E.
Land Development.

COUNTY OF ALAMEDA
PUBLIC WORKS AGENCY
INTER-DEPARTMENT COMMUNICATION

DATE: February 23, 2007

TO: Carlos Monsalve, Development Services

FROM: Rick Yeung, Traffic Engineering RY

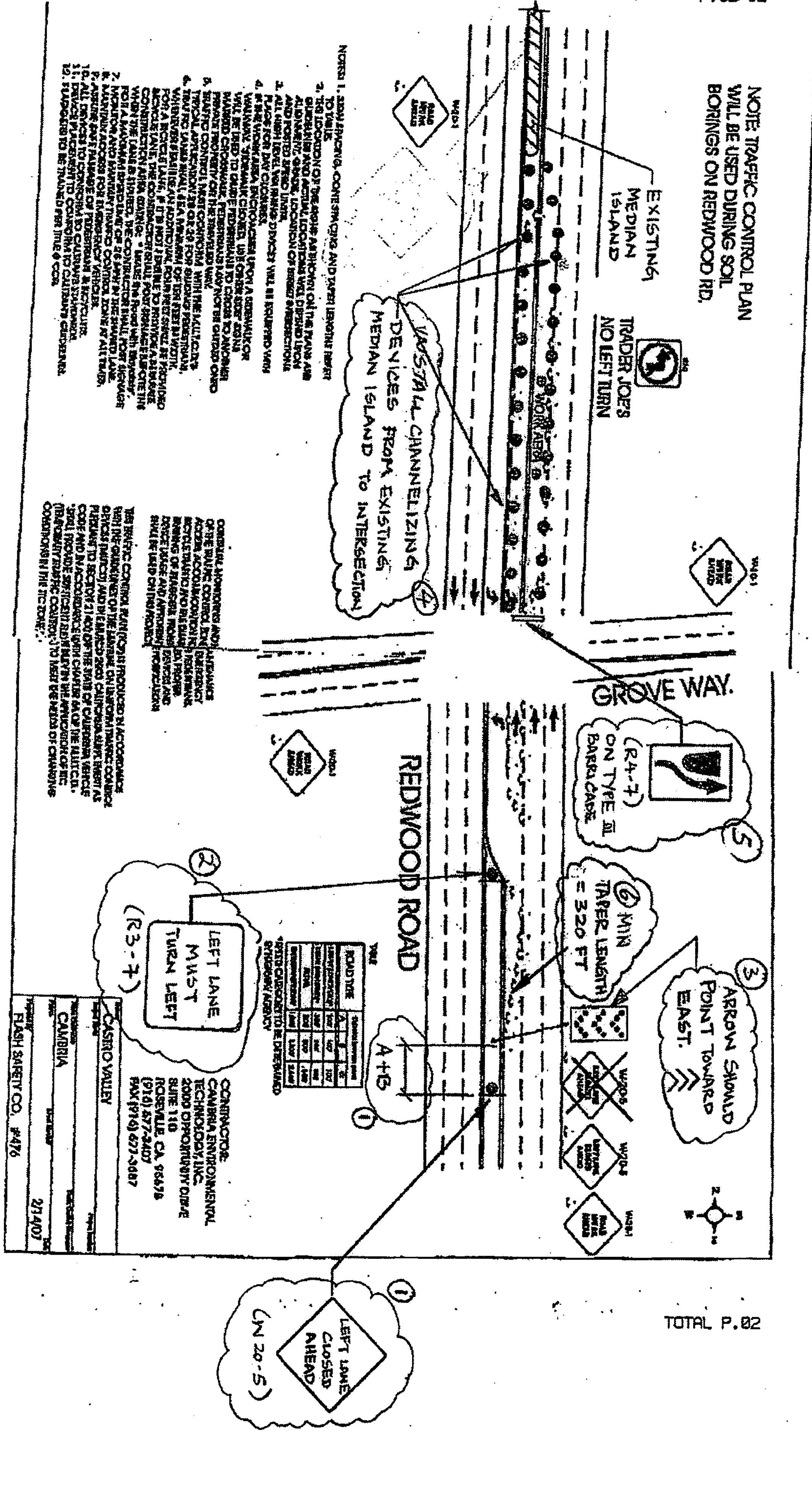
SUBJECT: Traffic Control Plan Submitted by Cambria Environmental Technology
Chevron Site #9-2960

We are in receipt of Cambria Environmental's Traffic Control Plan (TCP) for conducting soil boring operation in the far left northbound lane on Redwood Road north of the Grove Way intersection in Castro Valley. Upon review of the TCP, we have the following comments:

1. Install W20-5 sign [LEFT LANE CLOSED AHEAD] on median island to provide advance warning to northbound left lane vehicular traffic (see attached marked up TCP).
2. Install R3-7 sign [LEFT LANE MUST TURN LEFT] near the beginning of the left turn bay on Redwood Road to prevent through traffic from entering the left-turn bay inadvertently (see attached marked up TCP).
3. The arrow panel shown on the TCP points toward west. The panel should point toward the merge direction (eastward) in order to be consistent with the lane closure signs.
4. Install channelizing devices all the way from existing median island to intersection along both northbound #1 through lane and southbound #1 left-turn lane (see attached marked up TCP).
5. Install R4-7 sign [KEEP RIGHT] sign on Type III Barricade at the beginning of the lane closure zone north of the intersection (see attached marked up TCP).
6. Minimum merging taper length is 320 ft (see attached marked up TCP).
7. Because Redwood Road is an arterial roadway, please perform soil boring operation between 9:30 AM and 3 PM to minimize traffic congestion.
8. Based on the TCP, work area does not appear to extend into the adjacent crosswalk. If, for any reasons, the actual work area extends into the crosswalk during soil boring operation, the crosswalk needs to be closed and the pedestrians needs to be redirected to the crosswalk south of the intersection.

Upon updating the TCP as described above, please forward a copy to Traffic Engineering for our record.

If you have any questions, please feel free to call me at 510-670-5578 or email me at ricky@acpwa.org .


NOTE: TRAFFIC CONTROL PLAN WILL BE USED DURING SOIL BORINGS ON REDWOOD RD.
EXISTING MEDIAN ISLAND
TRADER JOE'S NO LEFT TURN
INSTALL CHANNELIZING DEVICES FROM EXISTING MEDIAN ISLAND TO INTERSECTION
4
GROVE WAY
REDWOOD ROAD
(R4-7) ON TYPE III BARRICADE
5
6 MIN TAPER LENGTH = 320 FT
3 ARROW SHOULD POINT TOWARD EAST.
2
LEFT LANE MUST TURN LEFT
(R3-7)
A+B
1
LEFT LANE CLOSED AHEAD
(W 20-5)
CONTRACTOR: CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC. 2000 OPPORTUNITY DRIVE SUITE 110 ROSEVILLE, CA 95678 (916) 677-3407 FAX (916) 677-3687
CASTRO VALLEY
CAMBRIA
FLASH SAFETY CO. #476

ATTACHMENT C

Boring Logs

Conestoga-Rovers & Associates
2000 Opportunity Dr. Suite 110
Roseville, CA
Telephone: 916.677.3407
Fax: 916.677.3687

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-10
JOB/SITE NAME	9-2960	**DRILLING STARTED**	21-Mar-07
LOCATION	2416 Grove Way, Castro Valley	**DRILLING COMPLETED**	21-Mar-07
PROJECT NUMBER	611964	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling & Testing, Inc.	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	R. Rouas	**DEPTH TO WATER (First Encountered)**	20.5 fbg (21-Mar-07) ▽
REVIEWED BY	D. Herzog, PG# 7211	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Topsoil	1.5	
0		B-10 @ 5		5	CH		**CLAY:** brown with grey mottling; moist; 90% clay, 10% silt; high plasticity; low estimated permeability At 5.5 fbg: dark brown; 60% clay, 20% gravel, 10% silt, 10% sand; sub-rounded gravel; moderate estimated permeability.	9.0	
0		B-10 @ 10		10	CL		**Gravelly CLAY with sand:** brown; damp; 55% clay, 25% gravel, 20% sand; rounded gravel; medium to coarse grained sand; moderate estimated permeability At 12 fbg: 60% clay, 40% sand; low estimated permeability.	13.0	
0		B-10 @ 15		15	CH		**CLAY:** light brown with orange mottling; moist; 80% clay, 20% silt; high plasticity; low estimated permeability	16.0	◄ Portland Type I/II Cement
					SC		**Clayey SAND with gravel:** brown with orange mottling; moist; 35% sand, 25% gravel, 20% clay, 20% silt; moderate estimated permeability	19.5	
880		B-10 @ 20		20	SM		**Silty SAND:** grey; wet; 70% sand, 30% silt; very fine to medium sand; high estimated permeability ▽ At 20.5 fbg: saturated	24.0	
				25	SP SM		**SAND with silt:** brown; saturated; 90% sand, 10% silt; fine-grained sand; high estimated permeability At 27 fbg: medium to coarse grained sand.	28.0	
3		B-10 @ 28							Bottom of Boring @ 28 fbg

WELL LOG (PID) I:\ROCKLIN\CHEVRON\9-2960 CASTRO VALLEY\GINT\B-10, B-11, B-12.GPJ DEFAULT.GDT 5/9/07

Conestoga-Rovers & Associates
2000 Opportunity Dr. Suite 110
Roseville, CA
Telephone: 916.677.3407
Fax: 916.677.3687

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-11
JOB/SITE NAME	9-2960	**DRILLING STARTED**	21-Mar-07
LOCATION	2416 Grove Way, Castro Valley	**DRILLING COMPLETED**	21-Mar-07
PROJECT NUMBER	611964	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling & Testing, Inc.	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	R. Rouas	**DEPTH TO WATER (First Encountered)**	17.0 fbg (21-Mar-07) ▽
REVIEWED BY	D. Herzog, PG# 7211	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Concrete		Asphalt
								3.0	
0.0		B-11 @ 5		5			**Silty GRAVEL with sand:** brown; moist; 70% gravel, 15% sand, 15% silt; sub-rounded to sub-angular gravel; moderate estimated permeability.		
1.4		B-11 @ 10		10	GM		At 8 fbg: **GRAVEL with sand:** grey; 50% gravel, 40% sand, 10% silt; medium to very coarse grained sand and gravel; high estimated permeability.		
0.8		B-11 @ 15		15			At 13.5 fbg: brown; 60% gravel, 30% sand, 10% silt; angular, large gravel.		Portland Type I/II Cement
								17.0 ▽	
					SC		**Clayey SAND:** grey; moist; 60% sand, 40% clay; very fine to fine grained sand; medium plasticity; moderate estimated permeability.	18.0	
1.7		B-11 @ 20		20			**Sandy SILT:** grey with orange mottling; moist; 60% silt, 40% sand; medium plasticity; moderate estimated permeability. At 20 fbg: wet		
				25	ML		At 26 fbg: saturated		
0.0		B-11 @ 28						28.0	Bottom of Boring @ 28 fbg

WELL LOG (PID) I:\ROCKLIN.CHEVRON\9-2960 CASTRO VALLEY\GINT\B-10, B-11, B-12.GPJ DEFAULT.GDT 5/9/07

Conestoga-Rovers & Associates
2000 Opportunity Dr. Suite 110
Roseville, CA
Telephone: 916.677.3407
Fax: 916.677.3687

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-12
JOB/SITE NAME	9-2960	**DRILLING STARTED**	21-Mar-07
LOCATION	2416 Grove Way, Castro Valley	**DRILLING COMPLETED**	21-Mar-07
PROJECT NUMBER	611964	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling & Testing, Inc.	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	R. Rouas	**DEPTH TO WATER (First Encountered)**	22.0 fbg (21-Mar-07) ▽
REVIEWED BY	D. Herzog, PG# 7211	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Concrete	3.0	Asphalt
-		B-12 @ 5		5	CH		**Sandy CLAY:** grey with black and brown mottling; moist; 70% clay, 20% sand, 10% gravel; fine-medium grained sand; angular gravel; high plasticity; low estimated permeability	8.0	
0		B-12 @ 10		10	GM		**Silty GRAVEL with sand:** green/brown; damp; 40% gravel, 40% silt, 20% sand; large, angular gravel; medium-coarse grained sand; moderate estimated permeability.	12.0	
0		B-12 @ 15		15	SC		**Clayey SAND:** grey; damp; 60% sand, 40% clay; fine grained sand; low-moderate estimated permeability.		Portland Type I/II Cement
-		B-12 @ 20		20			At 20 fbg: brown with orange mottling.		
							At 22 fbg: light brown, wet ▽	23.0	
-		B-12 @ 25		25	CH		**CLAY:** black; wet; 90% clay, 10% silt; high plasticity; low estimated permeability	26.0	
					SM		**Silty SAND:** green-grey; wet; 70% sand, 30% silt; high estimated permeability At 27 fbg: 50% sand, 30% silt, 20% gravel	28.0	
				30	SC		**Clayey SAND:** grey; wet; 60% sand, 40% clay; fine grained sand; low-moderate estimated permeability		
							At 31 fbg: brown, saturated	32.0	Bottom of Boring @ 32 fbg

WELL LOG (PID) I:\ROCKLIN\CHEVRON\9-2960 CASTRO VALLEY\GINT\B-10, B-11, B-12.GPJ DEFAULT.GDT 5/9/07

ATTACHMENT D

Laboratory Analytical Reports

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

916-677-3407

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1030699. Samples arrived at the laboratory on Friday, March 23, 2007. The PO# for this group is 92960 and the release number is MTI.

Client Description			Lancaster Labs Number
B-10-S-5-070321	Grab	Soil	5012887
B-10-S-10-070321	Grab	Soil	5012888
B-10-S-15-070321	Grab	Soil	5012889
B-10-S-20-070321	Grab	Soil	5012890
B-10-S-28-070321	Grab	Soil	5012891
B-11-S-5-070321	Grab	Soil	5012892
B-11-S-10-070321	Grab	Soil	5012893
B-11-S-15-070321	Grab	Soil	5012894
B-11-S-20-070321	Grab	Soil	5012895
B-11-S-28-070321	Grab	Soil	5012896
B-12-S-5-070321	Grab	Soil	5012897
B-12-S-10-070321	Grab	Soil	5012898
B-12-S-15-070321	Grab	Soil	5012899
B-12-S-20-070321	Grab	Soil	5012900
B-12-S-25-070321	Grab	Soil	5012901

ELECTRONIC COPY TO Cambria Environmental Attn: Jami Shaffer

Lancaster Laboratories

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster PA 17605-2425 • 717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Melissa A McDermott

Melissa A. McDermott
Senior Chemist

Lancaster Laboratories

2425 New Holland Pike. PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. SW 5012887

B-10-S-5-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-10
Collected:03/21/2007 08:44 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1005

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. Therefore, the reporting limits were raised. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	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.	0.0005	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 17:05	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/26/2007 16:18	Emiley A King	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 15:27	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:17	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012888

B-10-S-10-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-10
Collected:03/21/2007 09:48 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1010

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. Therefore, the reporting limits were raised. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.99
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.99
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.99
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 17:41	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/26/2007 16:42	Emiley A King	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 15:29	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:20	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012889

B-10-S-15-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-10
Collected:03/21/2007 09:55 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1015

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. Therefore, the reporting limits were raised. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	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.	0.0005	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 18:17	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/26/2007 17:05	Emiley A King	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 15:30	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:22	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012890

B-10-S-20-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-10
Collected:03/21/2007 10:01 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1020

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	1.3	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	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	0.0006	0.0005	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	0.003	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	0.013	0.001	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 18:53	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/26/2007 23:50	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 21:59	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:26	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012891

B-10-S-28-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-10
Collected:03/21/2007 10:35 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1028

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. Therefore, the reporting limits were raised. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.99
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.99
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.99
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 19:29	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 00:14	Nicholas R Rossi	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:01	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:28	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012892

B-11-S-5-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-11
Collected:03/21/2007 10:35 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1105

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. Therefore, the reporting limits were raised. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	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.	0.0005	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 20:05	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 00:37	Nicholas R Rossi	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:02	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:31	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012893

B-11-S-10-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-11
Collected:03/21/2007 11:36 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1110

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. Therefore, the reporting limits were raised. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	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.	0.0005	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 20:42	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 01:47	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:05	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:34	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012894

B-11-S-15-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-11
Collected:03/21/2007 11:42 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1115

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. Therefore, the reporting limits were raised. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	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	0.034	0.020	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 21:18	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 02:10	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:06	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:36	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012895

B-11-S-20-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-11
Collected:03/21/2007 11:46 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1120

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. Therefore, the reporting limits were raised. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	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	0.068	0.020	mg/kg	1
05460	Benzene	71-43-2	0.011	0.0005	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	0.003	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 23:06	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 02:34	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:08	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:39	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012896

B-11-S-28-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-11
Collected:03/21/2007 12:25 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1128

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. Therefore, the reporting limits were raised. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.99
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.99
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.99
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.99
05466	Toluene	108-88-3	0.001	0.001	mg/kg	0.99
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	0.002	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 23:42	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 02:57	Nicholas R Rossi	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:10	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:42	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012897

B-12-S-5-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-12
Collected:03/21/2007 11:27 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1205

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. Therefore, the reporting limits were raised. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.99
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.99
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.99
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/27/2007 00:18	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 03:20	Nicholas R Rossi	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:11	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:44	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012898

B-12-S-10-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-12
Collected:03/21/2007 13:37 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1210

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. Therefore, the reporting limits were raised. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	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.	0.0005	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/27/2007 00:55	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 04:54	Nicholas R Rossi	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:12	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:47	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012899

B-12-S-15-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-12
Collected:03/21/2007 13:40 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1215

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. Therefore, the reporting limits were raised. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	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.	0.0005	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 22:04	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 05:17	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:16	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:49	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012900

B-12-S-20-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-12
Collected:03/21/2007 13:44 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1220

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. Therefore, the reporting limits were raised. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	0.0008	0.0005	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.	0.0005	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 22:42	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 05:40	Nicholas R Rossi	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:24	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:53	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012901

B-12-S-25-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-12
Collected:03/21/2007 13:53 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1225

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. Therefore, the reporting limits were raised. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	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.	0.0005	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 23:20	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 06:04	Nicholas R Rossi	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:26	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:55	Carrie E Youtzy	n.a.

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Analysis Report

Quality Control Summary

Client Name: Chevron c/o Cambria
Reported: 04/05/07 at 07:01 PM

Group Number: 1030699

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07073A34D	Sample number(s): 5012887-5012898							
TPH-GRO - Soils	N.D.	1.0	mg/kg	107		67-119		
Batch number: 07085A33A	Sample number(s): 5012899-5012901							
TPH-GRO - Soils	N.D.	1.0	mg/kg	93		67-119		
Batch number: B070821AB	Sample number(s): 5012887-5012889							
Methyl Tertiary Butyl Ether	N.D.	0.0005	mg/kg	104		72-117		
di-Isopropyl ether	N.D.	0.001	mg/kg	90		72-120		
Ethyl t-butyl ether	N.D.	0.001	mg/kg	97		72-115		
t-Amyl methyl ether	N.D.	0.001	mg/kg	102		73-116		
t-Butyl alcohol	N.D.	0.020	mg/kg	95		52-153		
Benzene	N.D.	0.0005	mg/kg	99		84-115		
1,2-Dichloroethane	N.D.	0.001	mg/kg	113		76-126		
Toluene	N.D.	0.001	mg/kg	91		81-116		
1,2-Dibromoethane	N.D.	0.001	mg/kg	98		77-114		
Ethylbenzene	N.D.	0.001	mg/kg	91		82-115		
Xylene (Total)	N.D.	0.001	mg/kg	90		82-117		
Batch number: B070852AA	Sample number(s): 5012890-5012901							
Methyl Tertiary Butyl Ether	N.D.	0.0005	mg/kg	96		72-117		
di-Isopropyl ether	N.D.	0.001	mg/kg	83		72-120		
Ethyl t-butyl ether	N.D.	0.001	mg/kg	90		72-115		
t-Amyl methyl ether	N.D.	0.001	mg/kg	95		73-116		
t-Butyl alcohol	N.D.	0.020	mg/kg	92		52-153		
Benzene	N.D.	0.0005	mg/kg	95		84-115		
1,2-Dichloroethane	N.D.	0.001	mg/kg	104		76-126		
Toluene	N.D.	0.001	mg/kg	92		81-116		
1,2-Dibromoethane	N.D.	0.001	mg/kg	99		77-114		
Ethylbenzene	N.D.	0.001	mg/kg	91		82-115		
Xylene (Total)	N.D.	0.001	mg/kg	91		82-117		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07073A34D	Sample number(s): 5012887-5012898 UNSPK: P996877								
TPH-GRO - Soils	102	104	39-118	2	30				
Batch number: 07085A33A	Sample number(s): 5012899-5012901 UNSPK: P000050								
TPH-GRO - Soils	69	73	39-118	6	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.

Quality Control Summary

Client Name: Chevron c/o Cambria
Group Number: 1030699
Reported: 04/05/07 at 07:01 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: B070821AB	Sample number(s): 5012887-5012889 UNSPK: P010500								
Methyl Tertiary Butyl Ether	88	84	47-130	5	30				
di-Isopropyl ether	78	77	58-113	0	30				
Ethyl t-butyl ether	83	83	60-112	0	30				
t-Amyl methyl ether	88	84	63-112	4	30				
t-Butyl alcohol	96	91	51-134	5	30				
Benzene	81	81	59-120	1	30				
1,2-Dichloroethane	92	89	62-130	3	30				
Toluene	78	79	38-131	1	30				
1,2-Dibromoethane	81	79	66-108	2	30				
Ethylbenzene	72	73	54-116	2	30				
Xylene (Total)	73	73	44-127	1	30				
Batch number: B070852AA	Sample number(s): 5012890-5012901 UNSPK: 5012892								
Methyl Tertiary Butyl Ether	80	84	47-130	6	30				
di-Isopropyl ether	73	74	58-113	2	30				
Ethyl t-butyl ether	76	76	60-112	0	30				
t-Amyl methyl ether	77	80	63-112	5	30				
t-Butyl alcohol	86	95	51-134	11	30				
Benzene	85	83	59-120	1	30				
1,2-Dichloroethane	93	93	62-130	2	30				
Toluene	84	82	38-131	2	30				
1,2-Dibromoethane	83	86	66-108	4	30				
Ethylbenzene	82	80	54-116	2	30				
Xylene (Total)	83	81	44-127	2	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO - Soils
Batch number: 07073A34D

	Trifluorotoluene-F
5012887	95
5012888	91
5012889	91
5012890	85
5012891	93
5012892	102
5012893	93
5012894	94
5012895	94
5012896	85
5012897	93
5012898	96
Blank	82
LCS	93
MS	86

*- 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: Chevron c/o Cambria
Reported: 04/05/07 at 07:01 PM

Group Number: 1030699

Surrogate Quality Control

MSD	87
Limits:	61-122

Analysis Name: TPH-GRO - Soils
Batch number: 07085A33A

	Trifluorotoluene-F
5012899	84
5012900	83
5012901	92
Blank	88
LCS	98
MS	85
MSD	90
Limits:	61-122

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: B070821AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5012887	99	93	89	82
5012888	99	91	89	83
5012889	98	86	90	82
Blank	99	92	89	83
LCS	101	94	91	90
MS	102	93	93	86
MSD	99	88	95	86
Limits:	71-114	70-109	70-123	70-111

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: B070852AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5012890	98	87	89	86
5012891	100	92	89	83
5012892	101	90	88	83
5012893	100	92	89	83
5012894	100	88	88	83
5012895	99	86	90	84
5012896	98	88	91	79
5012897	101	88	89	81
5012898	101	91	89	84
5012899	103	91	88	81
5012900	103	90	89	82
5012901	102	88	89	81
Blank	100	93	88	84
LCS	100	95	91	88
MS	98	87	93	88
MSD	99	89	91	88
Limits:	71-114	70-109	70-123	70-111

*- 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: Chevron c/o Cambria
Reported: 04/05/07 at 07:01 PM

Group Number: 1030699

*- 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.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

A1L

Acct. #: 11997 — For Lancaster Laboratories use only — Sample #: 5012887-901 — SCR#:

MTI # 01H-1964

G#1030699

Facility #: CHEVRON #9-2960

Site Address: 2916 Grove Way, CASTRO VALLEY

Chevron PM: Dana Thurman — Lead Consultant: Cambrian

Consultant/Office: Roseville

Consultant Prj. Mgr.: D. Herzog

Consultant Phone #: 916.677.3407 — Fax #: 916.677.3687

Sampler: R. Romas

Service Order #: _____ ☐ Non SAR: _____

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl — T = Thiosulfate
N = HNO_3 — B = NaOH
S = H_2SO_4 — O = Other

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

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

Sample Identification	Date Collected	Time Collected	Matrix: Grab	Composite	Soil	Water	Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup ☐	8260 full scan	16 Oxygenates	Lead 7420 ☐ 7421 ☐	Oxygenates per David Herzog & A. Miller 3/26/07
B-10 @ 5	070321	0844	X		X			1	X	X			X		
B-10 @ 10	070321	0948	X		X			1	X	X			X		
B-10 @ 15	070321	0955	X		X			1	X	X			X		
B-10 @ 20	070321	1001	X		X			1	X	X			X		
B-10 @ 28	070321	1035	X		X			1	X	X			X		
B-11 @ 5	070321	1035	X		X			1	X	X			X		
B-11 @ 10	070321	1136	X		X			1	X	X			X		
B-11 @ 15	070321	1142	X		X			1	X	X			X		
B-11 @ 20	070321	1146	X		X			1	X	X			X		
B-11 @ 28	070321	1225	X		X			1	X	X			X		
B-12 @ 5	070321	1127	X		X			1	X	X			X		
B-12 @ 10	070321	1337	X		X			1	X	X			X		
B-12 @ 15	070321	1340	X		X			1	X	X			X		

Comments / Remarks
Oxys: A. Miller 3/26/07
TBA, DIPE, TAME, ETBE, EDB, 1,2-DCA

Turnaround Time Requested (TAT) (please circle)
STD. TAT — 72 hour — 48 hour
24 hour — 4 day — 5 day

Data Package Options (please circle if required)
QC Summary — Type I — Full
Type VI (Raw Data) — ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Relinquished by:	Date	Time	Received by:	Date	Time
1	R. Romas	3/26/07	1330			
2		Date	Time	Received by:	Date	Time
3		Date	Time	Received by:	Date	Time
4	Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	Date	Time
	Temperature Upon Receipt 2.6 C°			Custody Seals Intact? Yes No		

3460 Rev. 7/30/01

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 11997 Sample #: 5012887-901 SCR#: ______

C# 1030699

MTI # 61H-1964 A1L

Facility #: Chevron 9-2960
Site Address: 2416 Grove Way, Castro Valley
Chevron PM: Dana Thurman Lead Consultant: Cambria
Consultant/Office: Roseville
Consultant Prj. Mgr.: David Herzog
Consultant Phone #: 916-677-3407 Fax #: 916-677-3687
Sampler: Rebecca Rovas
Service Order #: ______ ☐ Non SAR: ______

Analyses Requested / **Preservation Codes**

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	6 Oxygenates (7 oxygenates)	Lead 7420 ☐ 7421 ☐ (+ Miller)	(5 Scalar)				
B-12@20	070321	1344	X		X			1	X	X			X						
B-12@25	070321	1353	X		X			1	X	X			X						
~~B-12@~~																			

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

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

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

Comments / Remarks
6 oxys:
TBA, DIPE, TAME, ETBE, 1,2-DCA, EDB,

Turnaround Time Requested (TAT) (please circle)
STD. TAT (circled) 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I — Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

Relinquished by:	Date	Time	Received by:	Date	Time
R Rovas	3/22/07	1330			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx (circled) Other ______			Received by: [signature]	3/23/07	1000
Temperature Upon Receipt 2.6 C°			Custody Seals Intact? Yes (circled) No		

3460 Rev. 7/30/01

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

Lancaster Laboratories

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

916-677-3407

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1030697. Samples arrived at the laboratory on Friday, March 23, 2007. The PO# for this group is 92960 and the release number is MTI.

Client Description			Lancaster Labs Number
B-10-W-20-070321	Grab	Water	5012880
B-10-W-28-070321	Grab	Water	5012881
B-11-W-17-070321	Grab	Water	5012882
B-11-W-28-070321	Grab	Water	5012883
B-12-W-32-070321	Grab	Water	5012884

ELECTRONIC COPY TO Cambria Environmental Attn: Jami Shaffer

Lancaster Laboratories

Analysis Report

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Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Marla S. Lord
Senior Specialist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5012880

B-10-W-20-070321 Grab Water
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-10
Collected:03/21/2007 10:12 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/04/2007 at 15:20
Discard: 05/05/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

GW100

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	35,000.	500.	ug/l	10
	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.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	3.	ug/l	5
02011	di-Isopropyl ether	108-20-3	N.D.	3.	ug/l	5
02013	Ethyl t-butyl ether	637-92-3	N.D.	3.	ug/l	5
02014	t-Amyl methyl ether	994-05-8	N.D.	3.	ug/l	5
02015	t-Butyl alcohol	75-65-0	130.	10.	ug/l	5
05401	Benzene	71-43-2	1,500.	25.	ug/l	50
05402	1,2-Dichloroethane	107-06-2	7.	3.	ug/l	5
05407	Toluene	108-88-3	44.	3.	ug/l	5
05412	1,2-Dibromoethane	106-93-4	N.D.	3.	ug/l	5
05415	Ethylbenzene	100-41-4	2,500.	25.	ug/l	50
06310	Xylene (Total)	1330-20-7	6,300.	25.	ug/l	50

The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 4.

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	03/29/2007 18:24	Linda C Pape	10
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/02/2007 08:16	Dawn M Harle	5
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/02/2007 08:37	Dawn M Harle	50
01146	GC VOA Water Prep	SW-846 5030B	1	03/29/2007 18:24	Linda C Pape	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/02/2007 08:16	Dawn M Harle	5

Lancaster Laboratories Sample No. WW 5012880

B-10-W-20-070321 Grab Water
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-10
Collected:03/21/2007 10:12 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/04/2007 at 15:20
Discard: 05/05/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

GW100

01163	GC/MS VOA Water Prep	SW-846 5030B	2	04/02/2007 08:37	Dawn M Harle	50

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Analysis Report

Lancaster Laboratories Sample No. WW 5012881

B-10-W-28-070321 Grab Water
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-10
Collected:03/21/2007 10:41 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/04/2007 at 15:20
Discard: 05/05/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

GW108

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	1,700.	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.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	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	3.	2.	ug/l	1
05401	Benzene	71-43-2	23.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	2.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	76.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	260.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	03/29/2007 20:45	Linda C Pape	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/02/2007 08:57	Dawn M Harle	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/29/2007 20:45	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/02/2007 08:57	Dawn M Harle	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5012882

B-11-W-17-070321 Grab Water
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-11
Collected:03/21/2007 11:57 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/04/2007 at 15:20
Discard: 05/05/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

GW117

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	67,000.	2,500.	ug/l	50
	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.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	10.	ug/l	20
02011	di-Isopropyl ether	108-20-3	N.D.	10.	ug/l	20
02013	Ethyl t-butyl ether	637-92-3	N.D.	10.	ug/l	20
02014	t-Amyl methyl ether	994-05-8	N.D.	10.	ug/l	20
02015	t-Butyl alcohol	75-65-0	460.	40.	ug/l	20
05401	Benzene	71-43-2	6,600.	50.	ug/l	100
05402	1,2-Dichloroethane	107-06-2	N.D.	10.	ug/l	20
05407	Toluene	108-88-3	8,700.	50.	ug/l	100
05412	1,2-Dibromoethane	106-93-4	N.D.	10.	ug/l	20
05415	Ethylbenzene	100-41-4	2,900.	10.	ug/l	20
06310	Xylene (Total)	1330-20-7	13,000.	50.	ug/l	100

The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 3.

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	03/29/2007 19:06	Linda C Pape	50
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/02/2007 09:18	Dawn M Harle	20
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/02/2007 09:38	Dawn M Harle	100
01146	GC VOA Water Prep	SW-846 5030B	1	03/29/2007 19:06	Linda C Pape	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/02/2007 09:18	Dawn M Harle	20

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Analysis Report

Lancaster Laboratories Sample No. WW 5012882

B-11-W-17-070321 Grab Water
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-11
Collected:03/21/2007 11:57 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/04/2007 at 15:20
Discard: 05/05/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

GW117

01163	GC/MS VOA Water Prep	SW-846 5030B	2	04/02/2007 09:38	Dawn M Harle	100

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5012883

B-11-W-28-070321 Grab Water
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-11
Collected:03/21/2007 12:27 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/04/2007 at 15:20
Discard: 05/05/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

GW118

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	4,200.	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.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	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	15.	2.	ug/l	1
05401	Benzene	71-43-2	100.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	4.	0.5	ug/l	1
05407	Toluene	108-88-3	130.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	100.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	480.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	03/29/2007 21:15	Linda C Pape	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/02/2007 09:59	Dawn M Harle	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/29/2007 21:15	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/02/2007 09:59	Dawn M Harle	1

Lancaster Laboratories

2425 New Holland Pike. PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 5012884

B-12-W-32-070321 Grab Water
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-12
Collected:03/21/2007 14:04 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/04/2007 at 15:20
Discard: 05/05/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

GW122

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. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 4.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	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.	2.	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
	The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 4.					

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5012884

B-12-W-32-070321 Grab Water
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-12
Collected:03/21/2007 14:04 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/04/2007 at 15:20
Discard: 05/05/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

GW122

01728	TPH-GRO - Waters	SW-846 8015B modified	1	03/29/2007 22:17	Linda C Pape	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/02/2007 10:19	Dawn M Harle	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/29/2007 22:17	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/02/2007 10:19	Dawn M Harle	1

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Analysis Report

Quality Control Summary

Client Name: Chevron c/o Cambria
Reported: 04/04/07 at 03:20 PM

Group Number: 1030697

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07088A54A	Sample number(s): 5012880-5012884							
TPH-GRO - Waters	N.D.	50.	ug/l	117	117	75-135	0	30
Batch number: D070921AA	Sample number(s): 5012880-5012884							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	109		73-119		
di-Isopropyl ether	N.D.	0.5	ug/l	91		70-123		
Ethyl t-butyl ether	N.D.	0.5	ug/l	105		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	110		79-113		
t-Butyl alcohol	N.D.	2.	ug/l	99		69-127		
Benzene	N.D.	0.5	ug/l	91		78-119		
1,2-Dichloroethane	N.D.	0.5	ug/l	120		77-132		
Toluene	N.D.	0.5	ug/l	90		85-115		
1,2-Dibromoethane	N.D.	0.5	ug/l	100		81-114		
Ethylbenzene	N.D.	0.5	ug/l	94		82-119		
Xylene (Total)	N.D.	0.5	ug/l	94		83-113		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07088A54A	Sample number(s): 5012880-5012884 UNSPK: P012867								
TPH-GRO - Waters	97		63-154						
Batch number: D070921AA	Sample number(s): 5012880-5012884 UNSPK: P012239								
Methyl Tertiary Butyl Ether	108	108	69-127	0	30				
di-Isopropyl ether	89	89	68-129	0	30				
Ethyl t-butyl ether	103	103	78-119	0	30				
t-Amyl methyl ether	108	109	72-125	0	30				
t-Butyl alcohol	70	93	64-130	29	30				
Benzene	94	94	83-128	0	30				
1,2-Dichloroethane	122	123	70-143	1	30				
Toluene	92	94	83-127	3	30				
1,2-Dibromoethane	95	98	78-120	3	30				
Ethylbenzene	95	97	82-129	2	30				
Xylene (Total)	90	90	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.

Quality Control Summary

Client Name: Chevron c/o Cambria
Group Number: 1030697
Reported: 04/04/07 at 03:20 PM

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO - Waters
Batch number: 07088A54A

	Trifluorotoluene-F
5012880	124
5012881	89
5012882	98
5012883	117
5012884	87
Blank	90
LCS	98
LCSD	98
MS	122
Limits:	63-135

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: D070921AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5012880	105	89	94	107
5012881	110	90	97	108
5012882	104	86	93	102
5012883	106	88	93	102
5012884	107	90	92	98
Blank	109	92	92	99
LCS	108	91	95	104
MS	111	95	93	106
MSD	106	86	90	102
Limits:	80-116	77-113	80-113	78-113

*- 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.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

A1L

Acct. #: 11997 — For Lancaster Laboratories use only — Sample #: 5012880-84 — SCR#:

MTI# 61H-1904

G#1030697

Facility #: Chevron # 9-2960
Site Address: 2416 GROVE WAY, CASTRO VALLEY
Chevron PM: Dana Thurman — Lead Consultant: CAMBRIA
Consultant/Office: Roseville
Consultant Prj. Mgr.: David Herzog
Consultant Phone #: 916.677.3407 — Fax #: 916.677.3687
Sampler: R.Rone
Service Order #: ☐ Non SAR:

Matrix: Soil, Water (☐ Potable ☐ NPDES), Oil ☐ Air ☐

Analyses Requested / Preservation Codes: BTEX + MTBE 8260 ☒ 8021 ☐; TPH 8015 MOD GRO; TPH 8015 MOD DRO ☐ Silica Gel Cleanup; 8260 full scan; Oxygenates (7 per David Herzog A. Miller 3/26/07); Lead 7420 ☐ 7421 ☐

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil/Air	Total Number of Containers	BTEX + MTBE	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead
B-10 @ 20	070321	1012	X			X		3	X	X			X	
B-10 @ 28	070321	1041	X			X		3	X	X			X	
B-11 @ 17	070321	1157	X			X		3	X	X			X	
B-11 @ 28	070321	1227	X			X		3	X	X			X	
B-12 @ 32	070321	1404	X			X		3	X	X			X	

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

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

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

Comments / Remarks
~~6~~ 7 A. Miller 3/26/07 oxys: ETBE, TAME, DIPE, TBA, EDB, 1,2-DCA.

Turnaround Time Requested (TAT) (please circle)
(STD. TAT) 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I — Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

Relinquished by:	Date	Time	Received by:	Date	Time
R. Rone	3/22/07	1330			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS (FedEx) Other ____			Received by: [signature]	3/23/07	1000

Temperature Upon Receipt 2.6 C° Custody Seals Intact? (Yes) No

3460 Rev. 7/30/01

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ATTACHMENT E

Standard Field Procedures for GEOPROBE® Soil and Groundwater Sampling

CAMBRIA

STANDARD FIELD PROCEDURES FOR GEOPROBE® SOIL AND GROUNDWATER SAMPLING

This document describes Cambria Environmental Technology's standard field methods for GeoProbe® soil and ground water sampling. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor odor or staining, estimate ground water depth and quality and to submit samples for chemical analysis.

Soil Classification/Logging

All soil samples are classified according to the Unified Soil Classification System by a trained geologist or engineer working under the supervision of a California Professional Geologist (PG) or a Certified Engineering Geologist (CEG). The following soil properties are noted for each soil sample:

- Principal and secondary grain size category (i.e., sand, silt, clay or gravel)
- Approximate percentage of each grain size category,
- Color,
- Approximate water or separate-phase hydrocarbon saturation percentage,
- Observed odor and/or discoloration,
- Other significant observations (i.e., cementation, presence of marker horizons, mineralogy), and
- Estimated permeability.

Soil Sampling

GeoProbe® soil samples are collected from borings driven using hydraulic push technologies. A minimum of one and one half ft of the soil column is collected for every five ft of drilled depth. Additional soil samples can be collected near the water table and at lithologic changes. Samples are collected using samplers lined with polyethylene or brass tubes driven into undisturbed sediments at the bottom of the borehole. The ground surface immediately adjacent to the boring is used as a datum to measure sample depth. The horizontal location of each boring is measured in the field relative to a permanent on-site reference using a measuring wheel or tape measure.

Drilling and sampling equipment is steam-cleaned or washed prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Storage, Handling and Transport

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon® tape and plastic end caps. Soil samples are labeled and stored at or below 4°C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

Field Screening

After a soil sample has been collected, soil from the remaining tubing is placed inside a sealed plastic bag and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable GasTech® or photoionization detector measures volatile hydrocarbon vapor concentrations in the bag's headspace, extracting the vapor through a slit in the plastic bag. The measurements are used along with the field observations, odors, stratigraphy and ground water depth to select soil samples for analysis.

Grab Ground Water Sampling

Ground water samples are collected from the open borehole using bailers, advancing disposable Tygon® tubing into the borehole and extracting ground water using a diaphragm pump, or using a hydro-punch style sampler with a bailer or tubing. The ground water samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4° C, and transported under chain-of-custody to the laboratory.

Discrete Depth Soil and Ground Water Sampling

Soil and groundwater samples are collected for lithologic and chemical analysis using a direct driven, dual tube soil coring system. A hydraulic hammer drives sampling rods into he ground to collect continuous soil cores. Two nested sampling rods are driven at the same time: a larger diameter outer rod to act as a temporary drive casing and a smaller inner rod to retrieve soil cores. As the rods are advanced the soil is driven into a sample barrel that is attached to the end of the inner rod. The outer rod ensures that the sample is collected from the desired interval by preventing sloughing of the overlying material. After reaching the desired depth the inner rods are removed from the boring and the sleeves containing the soil sample are removed from the inner sample barrel. Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon® tape and plastic end caps. Soil samples are labeled and stored at or below 4°C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

When collecting groundwater samples, the sample barrel and inner rods are removed from the boring once the targeted water bearing zone has been reached. The drive casing is pulled up from 0.5 to 5 feet to allow groundwater to enter the borehole. Small diameter well casing and screen is then installed in the borehole to facilitate sample collection. The drive casing is then pulled up sufficiently to expose the desired length of screen and samples are collected using a bailer, peristaltic, bladder or inertial pump. The ground water samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4° C, and transported under chain-of-custody to the laboratory.

Duplicates and Blanks

Blind duplicate water samples are usually collected only for monitoring well sampling programs, at a rate of one blind sample for every 10 wells sampled. Laboratory-supplied trip blanks accompany samples collected for all sampling programs to check for cross-contamination caused by sample handling and transport. These trip blanks are analyzed if the internal laboratory quality assurance/quality control (QA/QC) blanks contain the suspected field contaminants. An equipment blank may also be analyzed if non-dedicated sampling equipment is used.

Grouting

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.