First Quarter 2006 Groundwater Monitoring and Remediation System O&M Report

Blue Lake Belting and Leather Works
Case No. 12012

Prepared for:

Blue Lake Belting and Leather Works

Consulting Engineers & Geologists, Inc.

812 W. Wabash Ave.
Eureka, CA 95501-2138
707/441-8855

May 2006
097309

CONSULTING ENGINEERS & GEOLOGISTS, INC.
812 W. Wabash • Eureka, CA 95501-2138 • 707-441-8855 • Fax 707-441-8877 • info@shn-eureka.com

Reference: 097309

May 31, 2006

Mr. Mark Verhey
Humboldt County Division of Environmental Health
100 H Street, Suite 100
Eureka, CA 95501

Subject: First Quarter 2006 Groundwater Monitoring and Remediation System O&M Report, Blue Lake Belting and Leather Works, 411 Railroad Avenue, Blue Lake, California; Case No. 12012

Dear Mr. Verhey:

The attached report presents the results of groundwater monitoring and remediation system operation and maintenance activities conducted during the first quarter 2006, at the Blue Lake Belting and Leather Works. Quarterly monitoring of wells MW-101 through MW-106 and Blue Lake Market well MW-3 occurred on March 16, 2006. SHN Consulting Engineers & Geologists, Inc. (SHN) performed this work on behalf of Blue Lake Belting and Leather Works. Site monitoring activities at the Blue Lake Market, conducted by LACO Associates, during the first quarter 2006 occurred on March 30, 2006.

Please call me at 707-441-8855 if you have any questions.

Sincerely,

SHN Consulting Engineers & Geologists, Inc.

for

Roland M. Rueber, P.G.
Project Manager

RMR:lms

Enclosure: 1st Quarter 2006 Monitoring Report
copy w/encl: Chuck Huntzinger, BLB&LW

Reference: 097309

First Quarter 2006 Groundwater Monitoring and Remediation System O&M Report

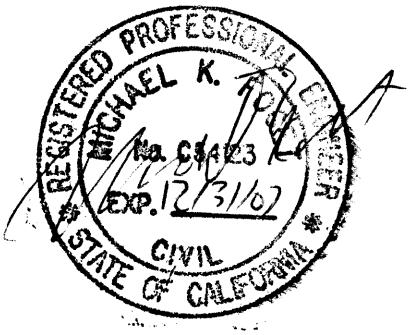
Blue Lake Belting and Leather Works
Case No. 12012

Prepared for:

Blue Lake Belting and Leather Works

Consulting Engineers & Geologists, Inc.
812 West Wabash Avenue
Eureka, CA 95501-2138
707-441-8855

May 2006



QA/QC: MKF___

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Abbreviations and Acronyms

<	denotes a value that is "less than" the method detection limit
kWhr	kilowatt hour
mg/L	milligrams per Liter
mg/L $CaCO_3$	milligrams per Liter of Calcium Carbonate
mV:	millivolts
ppm	parts per million
psi	pounds per square inch
scfh	standard cubic feet per hour
ug/L	micrograms per Liter
BGS	Below Ground Surface
BLB&LW	Blue Lake Belting and Leather Works
BTEX	Benzene, Toluene, Ethylbenzene, and total Xylenes
DCO_2	Dissolved Carbon Dioxide
DIPE	Diisopropyl Ether
DO	Dissolved Oxygen
EC	Electrical Conductivity
EPA	U.S. Environmental Protection Agency
ETBE	Ethyl Tertiary-Butyl Ether
LACO	LACO Associates
MTBE	Methyl Tertiary-Butyl Ether
MW-#	Monitoring Well-#
NA	Not Analyzed/Not Applicable/Not Available
NS	Not Sampled
OBS-#	Observation Well-#
ORP	Oxidation-Reduction Potential
SHN	SHN Consulting Engineers & Geologists, Inc.
SW-#	Sparge Well-#
TAME	Tertiary-Amyl Methyl Ether
TBA	Tertiary-Butyl Alcohol
TPHG	Total Petroleum Hydrocarbons as Gasoline
UST	Underground Storage Tank

1.0 Introduction

This report presents the results of groundwater monitoring activities completed during the first quarter of 2006 at the Blue Lake Belting and Leather Works (BLB&LW). The site is located at 411 Railroad Avenue in Blue Lake, California (Figure 1). SHN Consulting Engineers & Geologists, Inc. (SHN) conducted the quarterly groundwater-monitoring event on March 16, 2006.

1.1 Background

The BLB&LW parcel (Figure 2) was previously used as an automobile service station with three underground fuel storage tanks located on site:

- One 650-gallon gasoline Underground Storage Tank (UST) is located beneath the floor of what is presently the BLB&LW shop area.
- One 1,000-gallon UST was located in the sidewalk along G Street.
- One 750-gallon UST was previously located along the fueling island (Subsurface Investigation Work Plan, Blue Lake Market, LACO, April 1992).

The 650-gallon UST passed a pressure test conducted by Precision Tank Testing Company, and, under approval from the Humboldt County Division of Environmental Health, was abandoned in-place and subsequently filled with concrete. This tank has since received regulatory closure and is not a part of the current site investigation.

1.2 Previous Site Activities

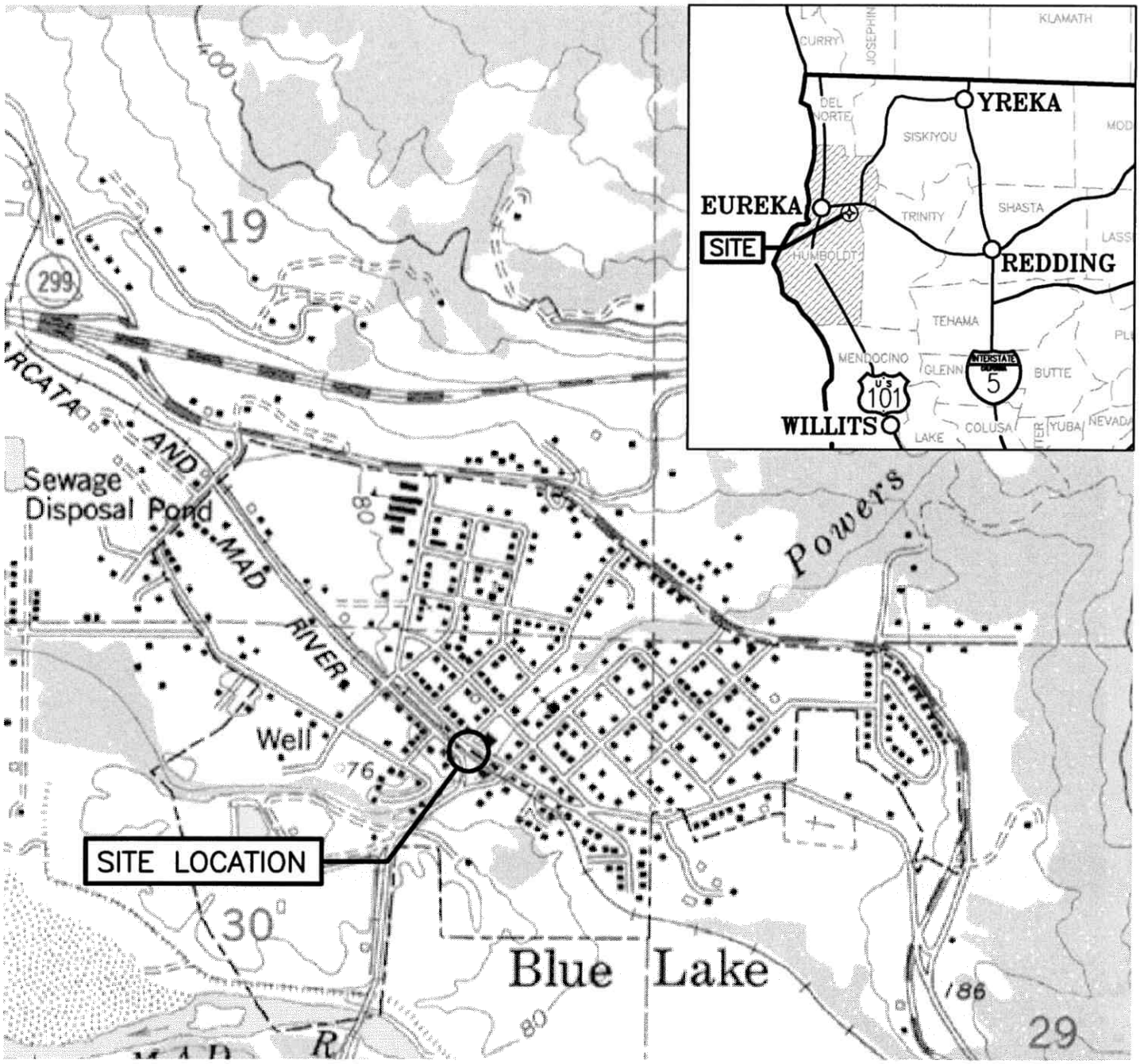
In January 1995, soil samples collected adjacent to the location of the former USTs indicated the presence of petroleum hydrocarbon constituents in soil. Subsequent site investigations and quarterly groundwater monitoring conducted at BLB&LW indicated that elevated levels of petroleum hydrocarbons were present in soil and groundwater in the vicinity of monitoring wells MW-103, MW-104, and MW-105 (SHN, 2000).

Since groundwater monitoring commenced in 1999, Methyl Tertiary-Butyl Ether (MTBE) has not been detected in any of the groundwater samples submitted for laboratory analysis. In addition, the former USTs were taken out of service before MTBE was commonly used in motor fuel. Therefore, laboratory analysis for this constituent was discontinued after the third quarter 2003 groundwater-monitoring event.

In August 2003, SHN conducted an air sparge pilot test at the site. Based on the results of the pilot test, SHN recommended that an ozone sparge system be installed to remediate petroleum hydrocarbons in groundwater at the site (SHN, 2003).

In July 2004, SHN installed nine ozone sparge wells in addition to the single sparge well that was previously installed for the air sparge pilot test. Construction of the system followed and the ozone sparge system became operational on December 21, 2004.

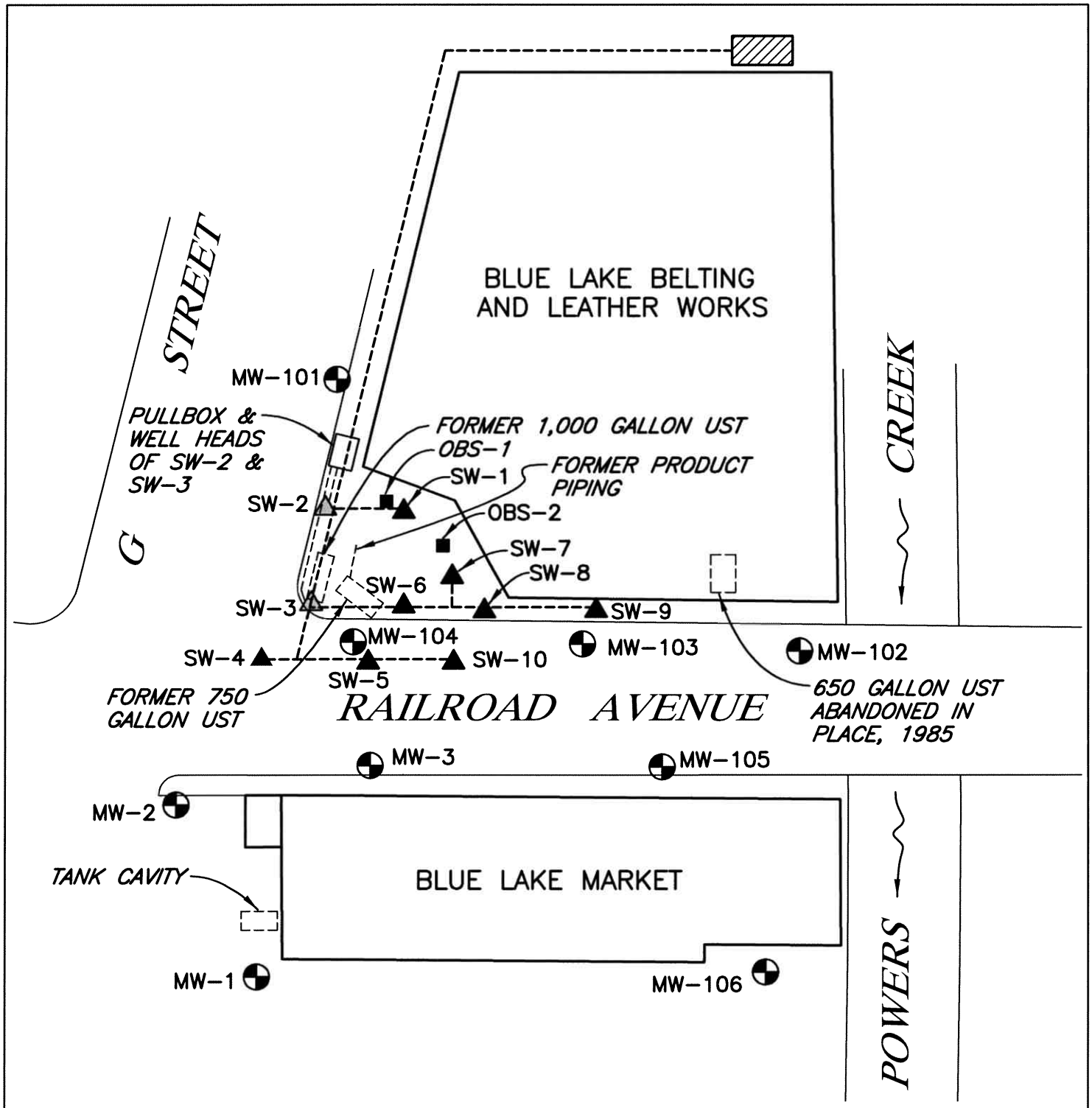
Table 1 summarizes the well construction details of all wells on the site.



SOURCE: BLUE LAKE USGS 7.5 MINUTE QUADRANGLE

1"=1000'±

SHN Consulting Engineers & Geologists, Inc.	Blue Lake Belting and Leather Works Blue Lake, California	Site Location Map SHN 097309
	April, 2006	097309-LOCATION	Figure 1



EXPLANATION

MW-101 MONITORING WELL LOCATION AND DESIGNATION

SW-1 SPARGE WELL LOCATION AND DESIGNATION

OBS-1 OBSERVATION WELL LOCATION AND DESIGNATION

FORMER UST LOCATION

OZONE SPARGE TRAILER

OZONE SPARGE PIPING

SW-2 SPARGE WELL LOCATION AND DESIGNATION. SPARGE WELL HEAD LOCATED UNDER SIDEWALK

1"=30'

0 30

SHN Consulting Engineers & Geologists, Inc.	Blue Lake Belting and Leather Works Blue Lake, California		Site Plan SHN 097309
	April, 2006	097309-SPARGE	Figure 2

Table 1 Site Well Specifications Blue Lake Belting and Leather Works, Blue Lake, California						
Well ID	**Total Depth (feet)**	**Screened Interval (feet BGS[1])**	**Casing Diameter (inches)**	**Date Installed**	**Status**	**Operation**
Monitoring Wells						
MW-101	15	5-15	2	10/27/99	In use	MW[2]
MW-102	20	5-20	2	10/27/99	In use	MW
MW-103	19	6-19	2	10/27/99	In use	MW
MW-104	17	5-17	2	10/28/99	In use	MW
MW-105	15	5-15	2	10/28/99	In use	MW
MW-106	15	5-15	2	10/28/99	In use	MW
Sparge Wells						
SW-1	17	15-17	1	7/2/03	In use	Ozone Sparge
SW-2	19	17-19	1	7/6/04	In use	Ozone Sparge
SW-3	19	17-19	1	7/6/04	In use	Ozone Sparge
SW-4	18.9	16.9-18.9	1	7/6/04	In use	Ozone Sparge
SW-5	19	17-19	1	7/6/04	In use	Ozone Sparge
SW-6	19	17-19	1	7/6/04	In use	Ozone Sparge
SW-7	19	17-19	1	7/6/04	In use	Ozone Sparge
SW-8	19	17-19	1	7/6/04	In use	Ozone Sparge
SW-9	19	17-19	1	7/6/04	In use	Ozone Sparge
SW-10	18.7	16.7-18.7	1	7/6/04	In use	Ozone Sparge
Observation Wells						
OBS-1	10	5-10	1	7/2/03	In use	Observation
OBS-2	10	5-10	1	7/2/03	In use	Observation
1. BGS: Below Ground Surface			2. MW: Monitoring Well			

SHN is continuing quarterly groundwater monitoring in wells MW-101 through MW-106. Additionally, since the first quarter of 2005, SHN has assumed quarterly groundwater monitoring of Blue Lake Market well MW-3. These wells are monitored for Total Petroleum Hydrocarbons as Gasoline (TPHG); Benzene, Toluene, Ethylbenzene and Xylenes (BTEX); and select field measured indicators of bioremediation.

2.0 Field Activities

As part of the groundwater-monitoring program, monitoring wells MW-101 through MW-106 and Blue Lake Market well MW-3 were purged and sampled at the BLB&LW site. All work was conducted in accordance with the approved work plan and site safety plan developed for this project. Monitoring activities at the site are coordinated in conjunction with the current groundwater investigation at the nearby Blue Lake Market site, performed by LACO Associates

(LACO; wells MW-1 and MW-2; Figure 2). In conjunction with the current investigation at the BLB&LW, LACO performed groundwater monitoring at the Blue Lake Market on March 30, 2006, during the first quarter 2006, and that information is included in this report.

2.1 Monitoring Well Sampling

On March 16 and 17, 2006, SHN conducted quarterly groundwater monitoring of wells MW-101 through MW-106 and Blue Lake Market well MW-3. Prior to purging, each groundwater monitoring well was measured for depth to water, checked for the presence of floating product, and monitored for Dissolved Oxygen (DO), Oxidation-Reduction Potential (ORP), and Dissolved Carbon Dioxide (DCO_2). DO and ORP were measured using portable instrumentation, and DCO_2 was measured using a field test kit.

Purging operations included bailing three casing volumes of water from each monitoring well. During purging, each well was monitored for Electrical Conductivity (EC), temperature, and pH using portable instrumentation. Each groundwater sample was collected using disposable polyethylene bailers and transferred into laboratory-supplied containers. The water samples were then labeled, stored in an iced cooler, and transported to the laboratory under proper chain-of-custody documentation. Field notes from the March 2006 groundwater-monitoring event are included in Appendix A.

2.2 Laboratory Analysis

All of the groundwater samples collected by SHN during the first quarter 2006 monitoring event were analyzed for the following:

- TPHG in accordance with U.S. Environmental Protection Agency (EPA) Method No. 5030/GCFID/8015B.
- BTEX in accordance with EPA Method No. 5030/8021B.

North Coast Laboratories, Ltd., a State of California-certified laboratory located in Arcata, California, conducted all analyses.

2.3 Equipment Decontamination Procedures

All monitoring and sampling equipment was cleaned prior to being transported to the site and prior to purging each well. All small equipment was cleaned using the triple wash system. The equipment was initially washed in a water solution containing Liquinox® cleaner, followed by two distilled water rinses.

2.4 Investigation-Derived Waste Management

All rinse water used for decontaminating field-sampling equipment and well purge water was contained in 50-gallon plastic drums. The water was then transported to the SHN purge water storage tank located at 812 West Wabash Avenue in Eureka, California, for temporary storage. Approximately 74 gallons of water was generated during the March 16 and 17, 2006, monitoring

event, and were discharged, under permit, to the City of Eureka Municipal Sewer System. A discharge receipt for the 74 gallons of water generated during the first quarter 2006 monitoring event is included in Appendix A.

3.0 Groundwater Monitoring Results

3.1 Hydrogeology

SHN collected depth-to-water measurements in the BLB&LW monitoring wells on March 16, 2006. These measurements are shown in Table 2. On March 30, 2006, LACO collected depth-to-water measurements from Blue Lake Market wells MW-1 and MW-2, which are located adjacent to BLB&LW site. During this monitoring event, groundwater flow beneath the BLB&LW site was to the south with an approximate gradient of 0.010. The groundwater elevation contours on March 16, 2006, are shown on Figure 3 (LACO wells MW-1 and MW-2 were not used in determining contours). Historic groundwater elevation data are presented in Appendix B, Table B-1.

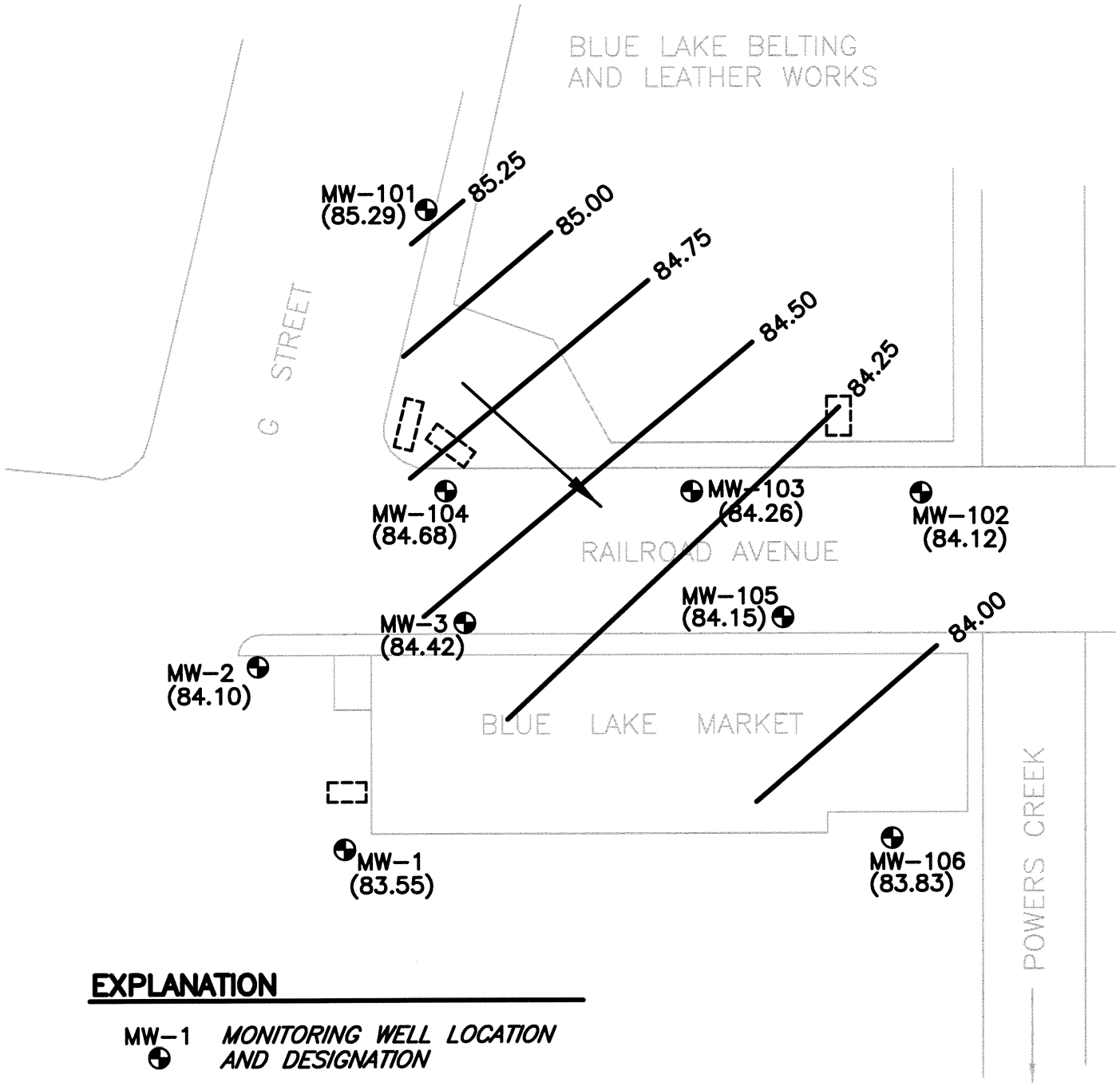
Table 2
Groundwater Elevations, March 16, 2006
Blue Lake Belting & Leather Works, Blue Lake, California

Sample Location	Top of Casing Elevation[1] (feet)	Depth to Water[2] (feet)	Groundwater Elevation[1] (feet)
MW-101	92.27	6.98	85.29
MW-102	91.19	7.07	84.12
MW-103	91.57	7.31	84.26
MW-104	91.48	6.80	84.68
MW-105	91.32	7.17	84.15
MW-106	88.88	5.05	83.83
MW-1[3]	89.45	5.90	83.55
MW-2[3]	91.29	7.19	84.10
MW-3	91.63	7.21	84.42

1. All wells referenced to relative top of casing of Blue Lake Market well MW-1
2. Below top of casing
3. Blue Lake Market wells MW-1 and MW-2 were gauged by LACO Associates on March 30, 2006.

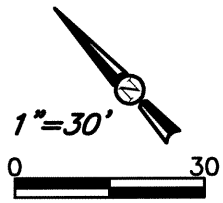
3.2 Groundwater Analytical Results

The laboratory analytical results from the groundwater samples collected on March 16 and 17, 2006, are summarized in Table 3.



EXPLANATION

MW-1	*MONITORING WELL LOCATION AND DESIGNATION*
	FORMER UST LOCATION
(85.68)	*GROUNDWATER ELEVATION IN FEET ABOVE MSL*
84.00	*GROUNDWATER CONTOUR*
	APPROXIMATE GROUNDWATER FLOW DIRECTION



NOTE: BLUE LAKE MARKET WELLS MW-1 AND MW-2 WERE MEASURED FOR DEPTH TO WATER ON 03/30/06 AND WERE NOT USED IN CREATING CONTOURS.

SHN Consulting Engineers & Geologists, Inc.	Blue Lake Belting and Leather Works Blue Lake, California	Groundwater Contours March 16, 2006 SHN 097309
	April, 2006	097309-GWC-MAR-06	Figure 3

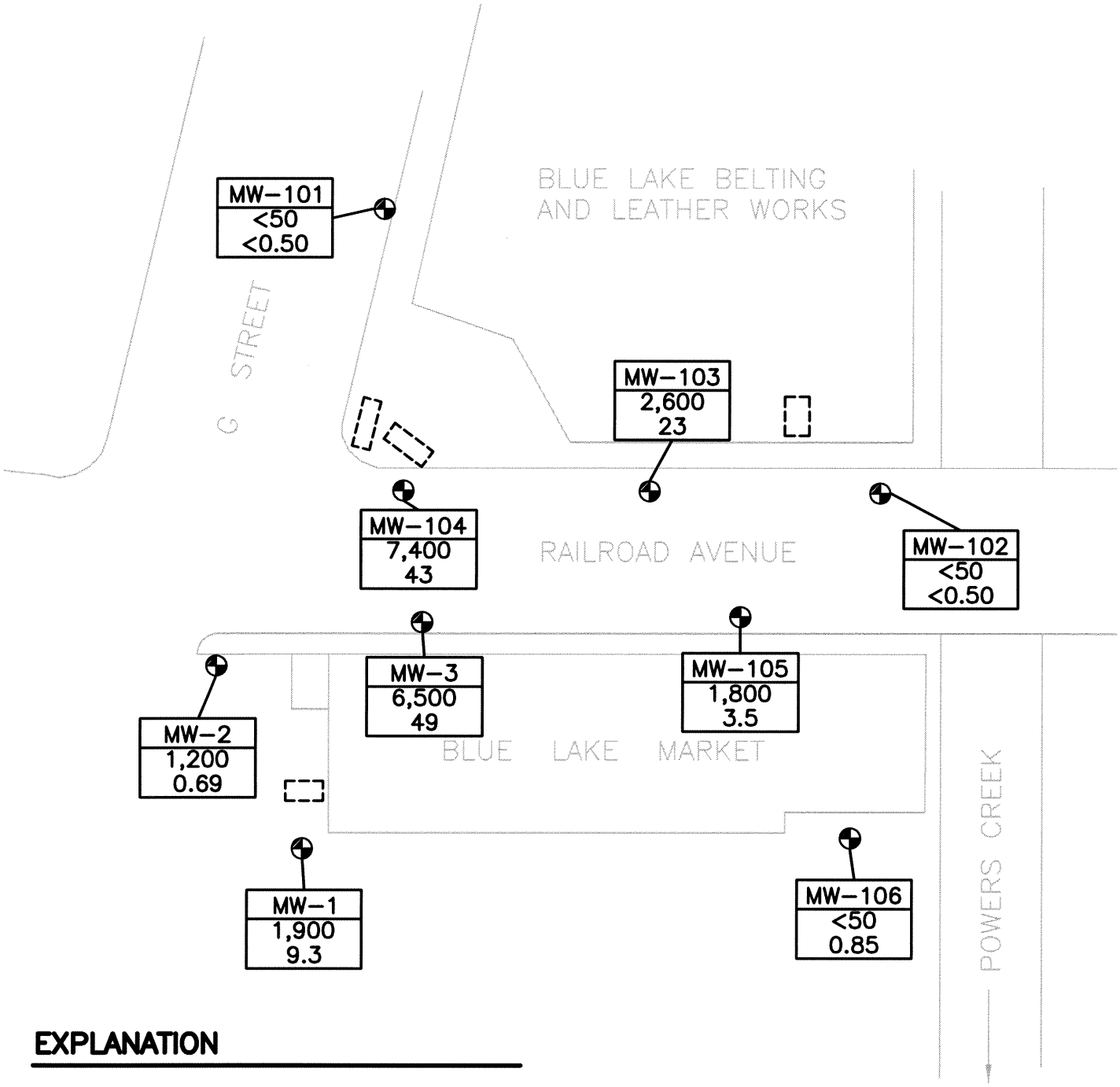
Table 3 Groundwater Analytical Results, March 16, 2006 Blue Lake Belting & Leather Works, Blue Lake, California (in ug/L)[1]						
Sample Location	**TPHG[2]**	**Benzene**	**Toluene**	**Ethylbenzene**	**m,p-xylene**	**o-xylene**
MW-101	<50[3]	<0.50	<0.50	<0.50	<0.50	<0.50
MW-102	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-103	**2,600[4]**	**23**	**26**	**36**	**21**	**9.1**
MW-104	**7,400[4]**	**43**	**75**	**130**	**230**	**37**
MW-105	**1,800[4]**	**3.5**	<60[5]	**6.7**	**2.3**	**1.0**
MW-106	<50	**0.85**	**0.58**	<0.50	<0.50	<0.50
Blue Lake Market Wells						
MW-1[6]	**1,900**	**9.3**	**1.6**	**4.1**	**3.2**	**0.64**
MW-2[6]	**1,200**	**0.69**	<0.50	**8.0**	**15**	**2.1**
MW-3	**6,500[4]**	**49**	**250**	**140**	**360**	**120**

1. ug/L: micrograms per Liter
2. TPHG: Total Petroleum Hydrocarbons as Gasoline
3. <: Denotes a value that is "less than" the method detection limit.
4. Sample appears to be similar to gasoline but certain peak ratios are not that of a fresh gasoline standard. The reported results represent the amount of material in the gasoline range.
5. Reporting limits were raised due to matrix interference.
6. Data from MW-1 and MW-2 provided by LACO Associates. Samples were collected on March 30, 2006.

The concentrations of TPHG and benzene present in the groundwater monitoring wells on March 16 and 17, 2006, are shown on Figure 4. The complete laboratory analytical reports and corresponding chain-of-custody documentation are included in Appendix C. Historic groundwater analytical data are presented in Appendix B, Table B-2.

3.3 Groundwater Parameters

Three groundwater parameters (DO, DCO_2, and ORP) were measured using field instrumentation in groundwater monitoring wells MW-101 through MW-106 and MW-3 prior to sampling, and are summarized in Table 4. Historic groundwater parameters are presented in Appendix B, Table B-3.



EXPLANATION

MONITORING WELL LOCATION

MW-106	MONITORING WELL DESIGNATION
<50	TPHG ug/L
<0.50	BENZENE ug/L

FORMER UST LOCATION

NOTE: MW-1 AND MW-2 WERE SAMPLED ON 3/30/06

SHN Consulting Engineers & Geologists, Inc.	Blue Lake Belting and Leather Works Blue Lake, California	Summary of Groundwater Analytical Results, March 16 and 17, 2006 SHN 097309	
	April, 2006	097309-GAR-MAR-06	Figure 4

Table 4 DO, DCO_2, and ORP Measurement Results, March 16, 2006 Blue Lake Belting & Leather Works, Blue Lake, California			
Sample Location	**DO[1] (ppm)[2]**	**DCO_2[3] (ppm)**	**ORP[4] (millivolts)**
MW-101	5.39	20	164
MW-102	3.02	20	172
MW-103	1.39	25	-31
MW-104	9.10	15	109
MW-105	1.25	95	-78
MW-106	1.26	200	186
MW-3	1.27	25	-16

1. DO: Dissolved Oxygen, measured with field instrumentation
2. ppm: parts per million
3. DCO_2: Dissolved Carbon Dioxide, measured with field instrumentation
4. ORP: Oxidation-Reduction Potential, measured with field instrumentation

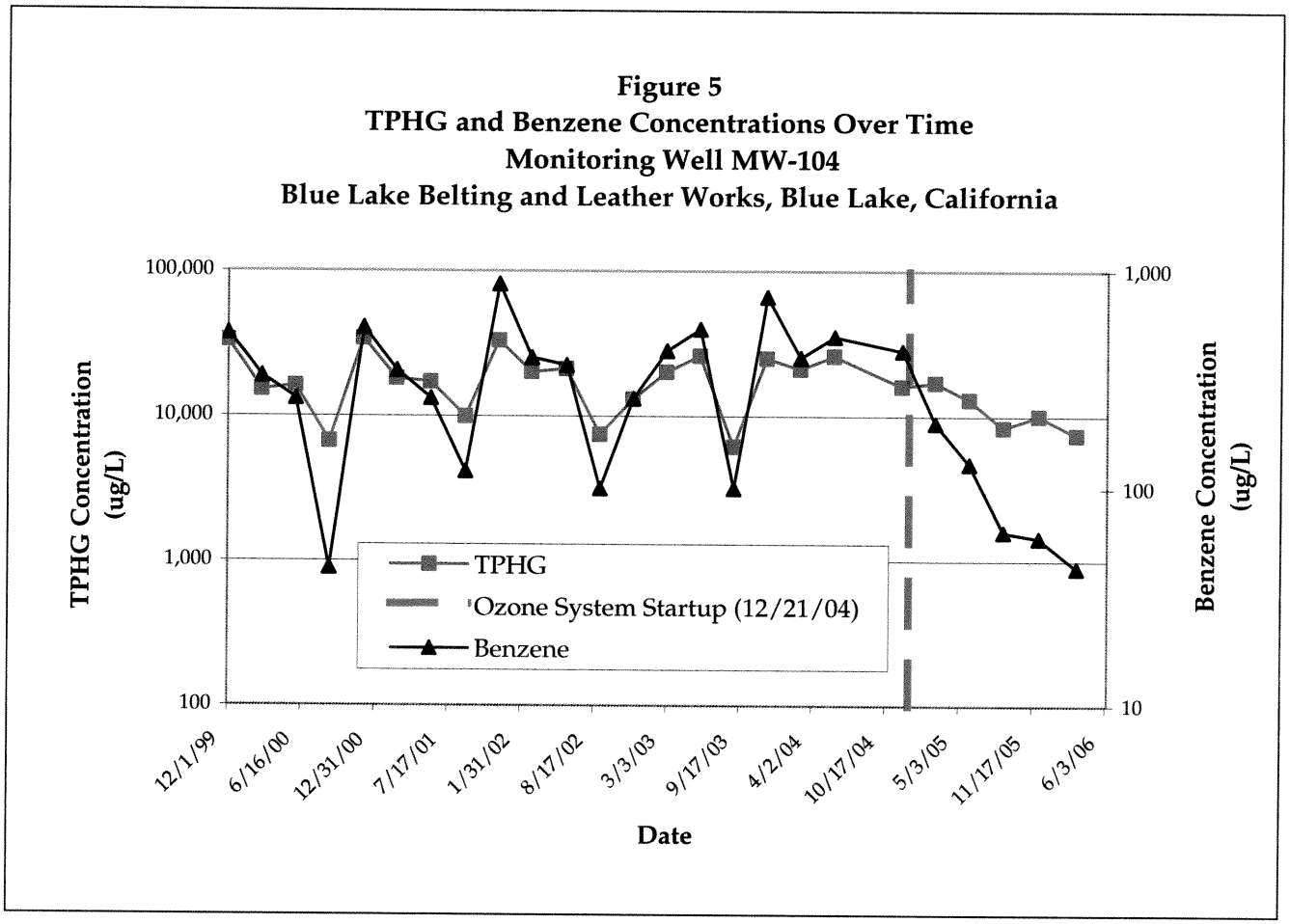
4.0 Remediation System Operation & Maintenance

The ozone sparge system was started up on December 21, 2004. During the initial month of operation, the ozone sparge system was monitored weekly to ensure proper operation and adjustments were made as needed. After the initial one-month break-in period, site visits were conducted monthly. Ozone system operation and maintenance site visits will be conducted monthly for the remainder of the system's operation. Standard operation consists of monitoring the flows and pressures of various system components, checking the condition of wellheads, checking for leaks and wear on the ozone system, changing areas of ozone sparging based on groundwater monitoring results, and recording the system operating parameters. Standard maintenance consists of replacing air filters as needed and rebuilding air compressors as needed.

During the first quarter of 2006, site visits were conducted. The field notes are included in Appendix A. Historic ozone system monitoring results are presented in Appendix B, Table B-4.

5.0 Discussion and Recommendations

Information collected during this and previous site investigations continues to indicate that petroleum hydrocarbons are present in groundwater in the vicinity of site wells MW-103, MW-104, MW-105, and MW-106. The groundwater sample collected from well MW-104 had the highest concentrations of petroleum hydrocarbons. The concentrations of TPHG and benzene over time for groundwater monitoring well MW-104 are shown on Figure 5. This figure illustrates that TPHG and Benzene concentrations have steadily declined in the source area since the ozone sparge system start up.



SHN recommends that quarterly monitoring be continued in conjunction with the operation of the ozone sparge system. Information collected during this monitoring event and the ongoing monitoring program will be used to assess the effectiveness of the remediation system. The next sampling event at the site is scheduled for Thursday, June 8, 2006. SHN will continue to coordinate with LACO for groundwater monitoring activities.

6.0 References Cited

LACO Associates. (April 1992). *Subsurface Work Plan, Blue Lake Market*. Eureka: LACO.

SHN Consulting Engineers & Geologists, Inc. (September 8, 2000). *Corrective Action Plan, Blue Lake Belting and Leather Works, 411 Railroad Avenue, Blue Lake; California, LOP # 12012*. Eureka: SHN.

---. (November 24, 2003). *Remedial Action Pilot Study Report of Findings, Blue Lake Belting and Leather Works, Case No. 12012*. Eureka: SHN.

Appendix A

Field Notes

CONSULTING ENGINEERS & GEOLOGISTS, INC.
480 Hemsted Drive • Redding, CA 96002• Tel: 530.221.5424 • FAX: 530.221.0135 •E-mail: shninfo@shn-redding.com
812 W. Wabash • Eureka, CA 95501 • Tel: 707.441.8855 • FAX: 707.441.8877 •E-mail: shninfo@shn-engr.com

DAILY FIELD REPORT

JOB NO 097309
Page of

PROJECT NAME: Blue Lake Belting & Leather	CLIENT/OWNER: Charles Huntzinger	DAILY FIELD REPORT SEQUENCE NO	
GENERAL LOCATION OF WORK: Blue Lake Ca.	OWNER/CLIENT REPRESENTATIVE: Charles Huntzinger	DATE: 3/16/06	DAY OF WEEK: Thur
TYPE OF WORK: Sampling	WEATHER: Rain	PROJECT ENGINEER/ SUPERVISOR: Mike Foget	
SOURCE & DESCRIPTION OF FILL MATERIAL	KEY PERSONS CONTACTED	TECHNICIAN: Dustin Tibbets	

DESCRIBE EQUIPMENT USED FOR HAULING, SPREADING, WATERING, CONDITIONING, & COMPACTING

0905	On site. Open up all wells taking water levels and DO readings.	
1240	Purging MW-106 with a disposable bailer. All purge water was caught in 5gal. buckets.	
1325	Sampled MW-106 with it's bailer. Locked up well.	MW-106
1338	Purging MW-101 with a disposable bailer. All purge water was caught in 5gal. buckets.	
1410	Sampled MW-101 with it's bailer. Locked up well.	MW-101
1415	Purging MW-102 with a disposable bailer. All purge water was caught in 5 gal. buckets.	
1445	Sampled MW-102 with it's bailer. Locked up well.	MW-102
1457	Purging MW-105 with a disposable bailer. All purge water was caught in 5gal. buckets.	
1525	Sampled MW-105 with it's bailer. ~~All purge water was caught in 5gal. buckets.~~ Locked up well.	MW-105
1534	Purging MW-103 with a disposable bailer. All purge water was caught in 5 gal. buckets.	
1605	Sampled MW-103 with it's bailer. Locked up well.	MW-103
1610	Clean and loaded up.	
1625	Off site.	
0912	3/17/06 On site, set up.	
0928	Purging MW-3 with a disposable bailer. All purge water was caught in 5gal. buckets.	
0955	Sampled MW-3 with its bailer. Locked up well.	MW-3
1006	Purging MW-104 with a disposable bailer. All purge water was caught in 5gal. buckets.	
1035	Sampled MW-104 with it's bailer. Locked up well.	MW-104
1047	Taking readings from Ozone system.	
1112	Off site. Note: All purge and decon water was ~~caught.~~ transported to SHN's P.W.S.T. located at 812 W Wabash Ave. 74 gal. total.	

COPY GIVEN TO:

REPORTED BY: Dustin Tibbets

CONSULTING ENGINEERS & GEOLOGISTS, INC.
480 Hemsted Drive • Redding, CA 96002• Tel: 530.221.5424 • FAX: 530.221.0135 •E-mail: shninfo@shn-redding.com
812 W. Wabash • Eureka, CA 95501 • Tel: 707.441.8855 • FAX: 707.441.8877 •E-mail: shninfo@shn-engr.com

DAILY FIELD REPORT

JOB NO 097309

Page of

PROJECT NAME: Blue Lake Belting & Leather	CLIENT/OWNER: Charles Huntzinger	DAILY FIELD REPORT SEQUENCE NO
GENERAL LOCATION OF WORK: Blue Lake Ca.	OWNER/CLIENT REPRESENTATIVE: Charles Huntzinger	DATE: 3/16-17/06 / DAY OF WEEK: Thur - Fri
TYPE OF WORK: Sampling	WEATHER: Rain	PROJECT ENGINEER/ SUPERVISOR: Mike Foget
SOURCE & DESCRIPTION OF FILL MATERIAL	KEY PERSONS CONTACTED	TECHNICIAN

DESCRIBE EQUIPMENT USED FOR HAULING, SPREADING, WATERING, CONDITIONING, & COMPACTING

	Purge	Sampled
MW-101	Yes	Yes
MW-102	↓	↓
MW-103	↓	↓
MW-104	↓	↓
MW-105	↓	↓
MW-106	↓	↓
MW-3	↓	↓

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REPORTED BY: Dustin Sibley

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EQUIPMENT CALIBRATION SHEET

Name: Dustin Tibbets

Project Name: Blue Lake Belting & Leather

Reference No.: 097309

Date: 3/16-17/06

Equipment: [X] pH & EC [ ] PID [ ] $GTCO_2$ [ ] GTLEL
[ ] Turbidity [X] Other Dissolved Oxygen Meter

Description of Calibration Procedure and Results:

pH & EC meter calibrated using a 2 buffer method with a pH 7.00 and 4.01, meter was set exactly to 7.00 and 4.01 and conductivity was set at 700 umhos.

DO meter is self calibrating with the Altimeter set at 0

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Groundwater Elevations

Job No.: 097309 Name: Dustin Tibbets

Client: CHARLES HUNTZINGER Date: 3/16/06

Location: BLUE LAKE, CA Weather: Rain

Sample Location	Time of Reading	Top of Casing Elevation (feet)	Depth To Water (feet)	Water Surface Elevation (feet)
MW101	1004	92.27	6.98	85.29
MW-102	1005	91.19	7.07	84.12
MW-103	1037	91.57	7.31	84.26
MW-104	1039	91.48	6.80	84.68
MW-105	1036	91.32	7.17	84.15
MW-106	1002	88.88	5.05	83.83
MW-3	1041	91.63	7.21	84.42
OBS-1	1042	89.45	6.96	82.49
OBS-2	1045	91.29	7.51	83.78

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Water Sampling Data Sheet

Project Name: Blue Lake Belting + Leather
Date/Time: 3/16/06
Project No.: 097309
Sampler Name: Dustin Tibbets
Location: Blue Lake Ca.
Sample Type: Water
Well #: MW-101
Weather: Rain
Hydrocarbon Thickness/Depth (feet):
Key Needed: Dolphin

Total Well Depth (feet)	-	Initial Depth to Water (feet)	=	Height of Water Column (feet)	x	0.163 gal/ft (2-inch well) / 0.653 gal/ft (4-inch well)	=	1 Casing Volume (gal)
13.00	-	6.98	=	6.02	x	.163	=	.96 X 3 = 2.89

Time	DO (ppm)	CO_2 (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
~~1143~~ 1122	~~3025.39~~						0 gal.	
1341		20	164				.25 gal.	
1344				129	54.7°	5.93	1 gal	
1347	No flow			136	54.8°	6.19	2 gal	
1351	thru cell			133	54.9°	6.34	3 gal.	
1354				130	55.2°	6.41	4 gal.	
1357				135	55.1°	6.50	5 gal.	

Purge Method: Bailer
Total Volume Removed: 5 (gal)

Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
MW-101	3	HCL	NCL	TPHG/BTEX

Well Condition:

Remarks:

Recharge to 6.55 at sample time. - 1410

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Water Sampling Data Sheet

Project Name: Blue Lake Belting & Leather
Date/Time: 3/16/06
Project No.: 097309
Sampler Name: Dustin Tibbets
Location: Blue Lake Ca.
Sample Type: Water
Well #: MW-102
Weather: Rain
Hydrocarbon Thickness/Depth (feet):
Key Needed: Dolphin

Total Well Depth (feet)	-	Initial Depth to Water (feet)	=	Height of Water Column (feet)	x	0.163 gal/ft (2-inch well) / 0.653 gal/ft (4-inch well)	=	1 Casing Volume (gal)
19.50	-	7.07	=	12.43	x	.163	=	1.99 x 3 = 5.97

Time	15.4 DO (ppm)	CO_2 (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
1113	302						0 gal.	
1423		20	172				.5 gal.	
1427				107	54.1°	6.55	2 gal.	
1431	No flow			107	54.1°	6.58	4 gal.	
1436	thru cell			106	54.1°	6.64	6 gal.	

Purge Method: Bailer
Total Volume Removed: 6 (gal)

Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
MW-102	3	HCL	NCL	TPHG/BTEX

Well Condition:

Remarks:

Recharge to 6.65 at sample time. - 1445

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Water Sampling Data Sheet

Project Name: Blue Lake Belting + Leather
Date/Time: 3/16/06
Project No.: 097309
Sampler Name: Dustin Tibbets
Location: Blue Lake Ca.
Sample Type: Water
Well #: MW-103
Weather: Rain
Hydrocarbon Thickness/Depth (feet):
Key Needed: Dolphin

Total Well Depth (feet)	-	Initial Depth to Water (feet)	=	Height of Water Column (feet)	x	0.163 gal/ft (2-inch well) / 0.653 gal/ft (4-inch well)	=	1 Casing Volume (gal)
18.65	-	7.31	=	11.34	x	~~.163~~ .653	=	7.41 X 3 = 22.22

Time	DO (ppm)	CO_2 (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
1137	1.39						0 gal.	
1541		25	-31				.25 gal.	
1546				100	55.3°	6.65	8 gal.	
1551	No flow			104	57.1°	6.59	15 gal.	
1556	flow cell			115	57.2°	6.61	22.5 gal.	

Purge Method: Bailer
Total Volume Removed: 22.5 (gal)

Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
MW-103	3	HCL	NCL	TPHG/BTEX

Well Condition:
Remarks:
Recharge to 6.68 at sample time. - 16.05

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Water Sampling Data Sheet

Project Name: Blue Lake Belting & Leather
Date/Time: 3/16/06
Project No.: 097309
Sampler Name: Dustin Tibbets
Location: Blue Lake Ca.
Sample Type: Water
Well #: MW-104
Weather: Rain
Hydrocarbon Thickness/Depth (feet):
Key Needed: Dolphin

Total Well Depth (feet)	-	Initial Depth to Water (feet)	=	Height of Water Column (feet)	x	0.163 gal/ft (2-inch well) / 0.653 gal/ft (4-inch well)	=	1 Casing Volume (gal)
16.55	-	6.80	=	9.75	x	.653	=	6.37 X 3 = 19.10

Time	DO (ppm)	CO_2 (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
1151	9.10						0 gal.	
1010		15	109				~~25 gal.~~	100 gal.
1015				127	58.2°	6.92	6 gal.	
1019	No flow			131	58.3°	6.82	8 gal	
1026	flow cell			133	58.4°	6.83	20 gal.	

Purge Method: Bailer
Total Volume Removed: 20 (gal)

Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
MW-104	3	HCL	NCL	TPHg/BTEX

Well Condition:
Remarks:
Recharge to 7.23 at sample time. - 1035

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Water Sampling Data Sheet

Project Name: Blue Lake Belting + Leather
Date/Time: 3/16/06
Project No.: 097309
Sampler Name: Dustin Tibbets
Location: Blue Lake Ca.
Sample Type: Water
Well #: MW-105
Weather: Rain
Hydrocarbon Thickness/Depth (feet):
Key Needed: Dolphin

Total Well Depth (feet)	-	Initial Depth to Water (feet)	=	Height of Water Column (feet)	x	0.163 gal/ft (2-inch well) / 0.653 gal/ft (4-inch well)	=	1 Casing Volume (gal)
15.10	-	7.17	=	7.93	x	.163	=	1.27 x 3 = 3.81

Time	12.4 DO (ppm)	CO_2 (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
1139	1.25						0 gal.	
1457		95	-78				.25 gal.	
1501				230	55.1°	6.22	1.5 gal	
1505	No flow			236	55.2°	8.*	2.75 gal	
1511	thru cell			224	55.2°	6.52	4 gal.	
1515				215	55.2°	6.57	5.25 gal	

Purge Method: Bailer
Total Volume Removed: 5.25 (gal)

Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
MW-105	3	HCL	NCL	TPHG/BTEX

Well Condition:

* Remarks: Ph is sticking
Recharge to . at sample time.- 1525

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Water Sampling Data Sheet

Project Name: Blue Lake Belting & Leather
Date/Time: 3/16/06
Project No.: 097309
Sampler Name: Dustin Tibbets
Location: Blue Lake Ca.
Sample Type: Water
Well #: MW-106
Weather: Rain
Hydrocarbon Thickness/Depth (feet):
Key Needed: Dolphin

Total Well Depth (feet)	-	Initial Depth to Water (feet)	=	Height of Water Column (feet)	x	0.163 gal/ft (2-inch well) / 0.653 gal/ft (4-inch well)	=	1 Casing Volume (gal)
15.00	-	5.05	=	9.95	x	.163	=	1.59 X 3 = 4.78

Time	11.7 DO (ppm)	CO_2 (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
1105	1.26						0 gal.	
1250		200	186				.25 gal.	
1255				128	53.8°	5.97	1.75 gal.	
1300	No flow			118	52.8°	6.31	3.5 gal.	
1304	thru cell			115		6.43	5 gal.	
1308				117	53.5°	6.50	6.5 gal.	
1314				115	53.3°	6.61	8 gal.	

Purge Method: Bailer
Total Volume Removed: 8 (gal)

Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
MW-106	3	HCL	NCL	TPHg/BTEX

Well Condition:

Remarks:

Recharge to 4.70 at sample time. - 1325

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Water Sampling Data Sheet

Project Name: Blue Lake Belting & Leather
Date/Time: 3/~~13/06~~ 3/13/06
Project No.: 097309
Sampler Name: Dustin Tibbets
Location: Blue Lake Ca.
Sample Type: Water
Well #: MW-3
Weather: Rain
Hydrocarbon Thickness/Depth (feet):
Key Needed: Dolphin

Total Well Depth (feet)	-	Initial Depth to Water (feet)	=	Height of Water Column (feet)	x	0.163 gal/ft (2-inch well) / 0.653 gal/ft (4-inch well)	=	1 Casing Volume (gal)
14.70	-	7.21	=	7.49	x	.163	=	1.20X323.60

Time	DO (ppm)	CO_2 (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
1143	1.27						0 gal.	
0930		25	-16				.25 gal.	
0933				141	55.6°	6.20	1.25 gal	
0936	No flow			143	57.5°	6.35	2.5 gal	
0941	thru cell			143	55.9	6.48	3.75 gal	
0945				138	56.6°	6.43	5 gal.	

Purge Method: Bailer
Total Volume Removed: 5 (gal)

Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
MW-3	3	HCL	NCL	TPHg/BTEX

Well Condition:
Remarks:
Recharge to 6.90 at sample time. - 0955

LACO ASSOCIATES
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Project Name: BLUE LAKE MARKET
Project No.: 3888.01
Date: 3-30-06
Golbal ID No.: T0602300170
PM: CSM

Tech: RLD
Mob/Demob time: 50/1.50
Travel time: 1.0
Time on site: 10:15
Time off site: 1:15
Mileage: 34

WELL No.	MW1		MW2		MW4		MW5		MW3	
DIAMETER (in)	2.0		2.0		1.5		1.5		2.0	
SCREENED INTERVAL (ft)	5-15		4-14		10-15		10-15		5-15	
DEPTH TO WATER (ft)	5.90		7.19		6.93		6.07		7.65	
	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL
FIELD INTRINSICS: pH										
FIELD INTRINSICS: TEMP (°C)										
FIELD INTRINSICS: Ecw (µmohs)										
FIELD INTRINSICS: ORP (mV)	-95	ur	-97	-72	-94	ur	ur	ur		
FIELD INTRINSICS: DO (mg/L)	2.31	0.79	1.75	0.47	1.78	1.15	2.28	110		
FIELD INTRINSICS: OTHER (units)	—		—		—		—			
PURGE: TIME	12:29	12:35	12:03	12:11	11:23	11:31	11:43	11:51		
PURGE: METHOD (DHP/CB/B)	DHP		DHP		DHP		DHP			
PURGE: RATE (Lpm)	0.25		0.25		0.19		0.19			
PURGE: VOLUME (L)	1.5		2.0		1.5		1.5			
PURGE: COLOR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLOUDY CLEAR	CLOUDY CLEAR		
PURGE: ODOR	LIGHT RUBBER LIGHT FUEL LIGHT SULFUR		LIGHT RUBBER MED SULFUR		LIGHT FUEL MED SULFUR		MED-SULFUR LIGHT FUEL			
PURGE: INTAKE DEPTH (FEET)	10.0		10.5		12.5		12.5			
SAMPLE: TIME	12:37		12:13		11:33		11:53			
SAMPLE: METHOD (DHP/CB/B)	DHP		DHP		DHP		DHP			
SAMPLE: ANALYTES	TPHg/BTEX		TPHg/BTEX		TPHg/BTEX		TPHg/BTEX		MEASURE ONLY	
SAMPLE: TOTAL DRAWDOWN (FEET)	0.53		0.31		0.06		—			
SAMPLE: REMARKS	NEW LOCKING CAP 2"		—		—		—			
WELL CONDITION	LOCKING CAP STRIPPED ~~GOOD~~		GOOD		GOOD		GOOD		GOOD	
WASTE DRUMS										

DEPTH MEASUREMENTS ARE REFERENCED TO TOP OF CASING

DHP=DOWN HOLE PUMP CB=CHECK BALL B=BAILER FD=FIELD DUPLICATE MB=METHOD BLANK FF=FIELD FILTERED

LACO ASSOCIATES
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21 West Fourth Street, Eureka, CA 95501
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FAX 707.443.0553

Project Name: BLUE LAKE MARKET
Project No.: 3888.01
Tech: RLD
Date: 3-30-06

METER ACCURACY RANGE

	+/- 0.2 pH	+/- 0.5 °C	+/- 20 µmohs	+/- 2 mv	+/- 0.3 mg/L

WELL ID: MW5

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)
11:45	—	—	—	ur	1.41
11:47	—	—	—	ur	1.30
11:49	—	—	—	ur	1.18
11:51	—	—	—	ur	1.10

WELL ID: MW4

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)
11:25	—	—	—	ur	1.64
11:27	—	—	—	ur	1.54
11:29	—	—	—	ur	1.33
11:31	—	—	—	ur	1.15

WELL ID: MW2

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)
12:05	—	—	—	-81	0.91
12:07	—	—	—	-72	0.96
12:09	—	—	—	-71	0.46
12:11	—	—	—	-72	0.47

WELL ID: MW1

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)
12:31	—	—	—	ur	1.25
12:33	—	—	—	ur	1.14
12:35	—	—	—	ur	0.79

WELL ID: —

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)

WELL ID: —

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)

REVISED:7/21/2005

LACO ASSOCIATES
CONSULTING ENGINEERS

21 West Fourth Street, Eureka, CA 95501
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Project Name: BLUE LAKE MARKET

Project No.: 3988.01

Tech: RLD

Date: 3-30-06

WELL ID: MW1		WELL ID: MW2		WELL ID: MW3		WELL ID: MW4		WELL ID: MW5		WELL ID:	
TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)
10:20	5.90	10:25	7.19	10:30	7.65	10:40	6.93	10:50	6.97		
11:00	5.90	11:05	7.19	10:55	7.65	11:10	6.93	11:15	6.97		

WELL ID:		WELL ID:		WELL ID:		WELL ID:		WELL ID:		WELL ID:	
TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)

WELL ID:		WELL ID:		WELL ID:		WELL ID:		WELL ID:		WELL ID:	
TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)

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DAILY FIELD REPORT

Job No. 097309

Page of

Project Name: Blue Lake Belting & Leather	Client/Owner	Daily Field Report Sequence No	
General Location Of Work	Owner/Client Representative	Date: 1/2/06	Day Of Week: Fri.
General Contractor	Grading Contractor	Project Engineer: Mike Foget	
Type Of Work: O&M	Grading Contractor, Superintendent, Or Foreman	Supervisor	
Source & Description Of Fill Material	Weather: Rain	Technician: Dustin Tibbets	
	Key Persons Contacted (Civil Engr, Architect, Developer, Etc)		

Describe Equipment Used For Hauling, Spreading, Watering, Conditioning, & Compacting

1248 On site.
Taking readings from the Ozone system.
1325 Off site.

Copy given to:

Reported By: Dustin Tibbets

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Blue Lake Belting & Leather Works
097309
Ozone System Monitoring Form

Technician: DCT	Date: 1/20/06
Weather: Rain	Time Onsite: 1245 Offsite: 1325
Electric Meter:	Ozone Badge: Positive -or- Negative

- ☐ Don ozone badge and activate,
- ☐ Inspect overall system for leaks, wear, etc.
- ☐ Inspect vaults of monitoring wells, observation wells, sparge wells, and pull box,
- ☐ Inspect air filters (clean or replace),
- ☐ Complete system readings,
- ☐ Inspect ozone badge for positive or negative exposure.

System Readings	
Ozone Generator Flow (scfh)	9
Ozone Generator Pressure (psi)	4
Ozone Output (%)	100
Auto Drain Valve	On: 1 (sec) Off: 45 (min)
System Run Time (hr:min)	8936.4

Well	Flow (scfm)	Pressure (psi)	Total Run Time (hr:min)	Programmed Run Time (minutes)	Observations
SP-1	1.1	9	526:46	5	
SP-2	1.1	11	526:3	5	
SP-3	1.1	10	166:58	10	
SP-4	1	11	165:47	10	
SP-5	1.1	11	165:13	10	
SP-6	.95	12	164:48	10	
SP-7	1	12	525:3	5	
SP-8	1.2	6	525:5	5	
SP-9	1.15	8	524:52	5	
SP-10	1.05	10	163:44	10	

Comments: Light on Ozone generator not on?

Blue Lake Belting & Leather Works
097309
Ozone System Monitoring Form

Technician: C. Fisher	Date: 1st Feb '06
Weather: Rainy	Time Onsite: 1530 Offsite: 1800
Electric Meter: 10258	Ozone Badge: Positive -or- Negative

- ☑ Don ozone badge and activate,
- ☑ Inspect overall system for leaks, wear, etc.
- ☑ Inspect vaults of monitoring wells, observation wells, sparge wells, and pull box,
- ☑ Inspect air filters (clean or replace),
- ☑ Complete system readings,
- ☑ Inspect ozone badge for positive or negative exposure.

System Readings		
Ozone Generator Flow (scfh)	9.5	
Ozone Generator Pressure (psi)	10.0	
Ozone Generator Indicator Lights	Left: On Off	Right: On Off
Ozone Output (%)	100%	
Auto Drain Valve	On: 2 (sec)	Off: 45 (min)
System Run Time ~~(hr:min)~~	9078.9 hours	

Well	Flow (scfm)	Pressure (psi)	~~Total~~ Run Time (hr:min)	Programmed Run Time (minutes)	Observations
SP-1	1.1	5	536:45	5	OK
SP-2	1.1	7	535:57	5	OK
SP-3	1.1	6	186:26	10	OK
SP-4	1.1	7	184:44	10	OK
SP-5	1.1	6	184:00	10	OK
SP-6	1.0	9	183:31	10	OK
SP-7	1.1	7	534:23	5	OK
SP-8	1.4	2	534:27	5 → Ø	Well head leak
SP-9	1.3	3	534:09	5 → Ø	Well head leak
SP-10	1.1	7	182:24	10	OK

Comments: – Rebuilt ozone booster compressor
↳ Replaced main diaphram
↳ Cleaned cylinder head
↳ Replaced check valves (2 ples)
↳ Re-assembled compressor
– Cleaned Air intake filters on ozone unit cooling fans

Supplimental Air Compressor Model # 688CE44-59A (Thompson)
– Disabled Well # SP-8 & SP-9 due to well head leaks

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JOB 097309 - BLB & LW
SHEET NO. 1 OF 1
CALCULATED BY C. Fisher DATE 8th Feb '06
CHECKED BY DATE
SCALE

Field Notes

- Site Safety Meeting
  - Vehicle Traffic Hazards — C. Fisher
  - Ozone exposure Don O_3 Badge — A. Melody
  - Pressurized piping
  - Slip, Trips & Falls
  - Petroleum Hazard
- Replaced Tee's @ all well-heads
- Secured all SW lids
- System Start-up
- System operating normally
- Off site

Independent Business Forms Inc.
(530) 221-0611. FAX (530) 221-6671. (800) 729-3700

Blue Lake Belting & Leather Works
097309
Ozone System Monitoring Form

Technician: C. Fisher	Date: 8th Feb '06
Weather: Sunny	Time Onsite: 1500 Offsite: 1745
Electric Meter: 10431	Ozone Badge: Positive –or- Negative

- ☑ Don ozone badge and activate,
- ☑ Inspect overall system for leaks, wear, etc.
- ☑ Inspect vaults of monitoring wells, observation wells, sparge wells, and pull box,
- ☑ Inspect air filters (clean or replace),
- ☑ Complete system readings,
- ☑ Inspect ozone badge for positive or negative exposure.

System Readings		
Ozone Generator Flow (scfh)	10	
Ozone Generator Pressure (psi)	10	
Ozone Generator Indicator Lights	Left: On Off	Right: On Off
Ozone Output (%)	100 %	
Auto Drain Valve	On: 2 (sec)	Off: 45 (min)
System Run Time (hr:min)	9220 hours	

Well	Flow (scfm)	Pressure (psi)	Total Run Time (hr:min)	Programmed Run Time (minutes)	Observations
SP-1	1.2	5	1:45	5	
SP-2	1.1	7	0:43	5	
SP-3	1.1	6	208:16	5	
SP-4	1.1	6	206:27	5	
SP-5	1.0	8	205:34	5	
SP-6	1.1	7	205:11	5	
SP-7	1.0	8	545:23	5	
SP-8	1.0	10	534:31	5	
SP-9	1.1	6	534:13	5	
SP-10	1.1	6	204:19	5	

Comments: System restarted after well-head repairs

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JOB
SHEET NO. OF
CALCULATED BY DATE
CHECKED BY DATE
SCALE

- Site Safety Meeting C. Fisher A. Melody A. D. Melody
  - Vehicle Traffic (, use cones, vest, be observante)
  - Ozone inhalation Hazard
  - Pressurized piping
  - Trip Hazard

Valve	Run Time
#1	5
2	5
3	10
4	10
5	10
6	10
7	5
8	5
9	5
10	10

- Checking wellheads for leaks
- SW-4 - broken T @ wellhead
- SW-5 - broken T @ wellhead
- SW-10 - No leaks @ wellhead
- SW-9 - broken T @ wellhead
- SW-8 - broken T @ wellhead
- SW-6 - No leaks @ well head
- SW-7 - No leaks @ well head
- SW-1 - No leaks @ well head
- SW-2 - No leaks @ well head
- SW-3 - No leaks @ well head

- Need to repair broken well head

- Need to confirm that conveyance piping from O_3 system to well heads is correct

- Negative O_3 Badge exposure
  - C. Fisher
  - A. Melody

- Off-Site

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DAILY FIELD REPORT

Job No. 097309

Page of

Project Name: Blue Lake Belting & Leather	Client/Owner	Daily Field Report Sequence No
General Location Of Work	Owner/Client Representative	Date: 2/10/04 — Day Of Week: Fri.
General Contractor	Grading Contractor	Project Engineer: Mike Foget
Type Of Work: O&M	Grading Contractor, Superintendent, Or Foreman	Supervisor
Source & Description Of Fill Material	Weather: Clear	Technician: Dustin Tibbets
	Key Persons Contacted (Civil Engr, Architect, Developer, Etc)	

Describe Equipment Used For Hauling, Spreading, Watering, Conditioning, & Compacting

1300 On site Taking readings
check for leak's at all well boxes.
1420 Off site.

Copy given to:

Reported By: Dustin Tibbets

Blue Lake Belting & Leather Works
097309
Ozone System Monitoring Form

Technician: DcT	Date: 2/10/06
Weather: Clear	Time Onsite: 1300 Offsite: 1420
Electric Meter:	Ozone Badge: Positive -or- Negative

- ☐ Don ozone badge and activate,
- ☐ Inspect overall system for leaks, wear, etc.
- ☐ Inspect vaults of monitoring wells, observation wells, sparge wells, and pull box,
- ☐ Inspect air filters (clean or replace),
- ☐ Complete system readings,
- ☐ Inspect ozone badge for positive or negative exposure.

System Readings		
Ozone Generator Flow (scfh)	9	
Ozone Generator Pressure (psi)	12.5	
Ozone Generator Indicator Lights	Left: On Off	Right: On Off
Ozone Output (%)	100 %	
Auto Drain Valve	On: 1 (sec)	Off: 45 (min)
System Run Time (hr:min)	9264 7/10	

Well	Flow (scfm)	Pressure (psi)	Total Run Time (hr:min)	Programmed Run Time (minutes)	Observations
SP-1	1.2	4	6 4	5	
SP-2	1.1	6	5 4	5	
SP-3	1.1	5	212 38	5	
SP-4	1.1	6	210 52	5	
SP-5	.95	10	209 59	5	leak at well Box/ Took off
SP-6	1	10	209 35	5	leak at well Box/ Took off
SP-7	1	9	3 36	5	
SP-8	1	10	538 51	5	
SP-9	1.1	6	538 33	5	
SP-10	1.1	6	208 39	5	leak at well Box

Comments:

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DAILY FIELD REPORT

JOB NO 097309

Page 1 of 1

PROJECT NAME: BLUE LAKE BELTING	CLIENT/OWNER	DAILY FIELD REPORT SEQUENCE NO: 1	
GENERAL LOCATION OF WORK: BLUE LAKE	OWNER/CLIENT REPRESENTATIVE	DATE: 2-14-00	DAY OF WEEK: TUES
TYPE OF WORK: WELL REPAIR	WEATHER: CLEAR COOL	PROJECT ENGINEER/ SUPERVISOR: M FOGET	
SOURCE & DESCRIPTION OF FILL MATERIAL	KEY PERSONS CONTACTED	TECHNICIAN: A. RUSSEL / PETER DUNN	

DESCRIBE EQUIPMENT USED FOR HAULING, SPREADING, WATERING, CONDITIONING, & COMPACTING

830	ON-SITE SET UP CONES -
	DIG SOIL @ SW-5, 10, & 6 - MIX CONCRETE
	TO SEAL AROUND WELL BOX - NO BENTONITE @
	SW-6 - SET CONCRETE - - PUT EXTRA AROUND
	WELL @ SW-7
1100	OFFSITE

COPY GIVEN TO:

REPORTED BY:

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JOB 097309- BLB&LW
SHEET NO. 1 OF 1
CALCULATED BY C. Fisher DATE 14th Feb '06
CHECKED BY P. Dunn DATE
SCALE

Field Notes

Site Safety Meeting

Traffic - wear vests, Remain Alert

Pressurized Pipes

Trip & Slip Hazards

Haz Mats - Ozone gas IDLH = 5 ppm

ozone Badges on

Electrical - System Components

Slips + trips + Falls - ramp

C. Fisher - [signature]
P. Dunn - [signature]
R. Rueber - [signature]

- Donned O_3 Badges
- General Site overview
- Instructed Peter on O_3 System Operation
- Inspected O_3 System
  - Operating Normally
- Reuber on-site with equipment to seal vault bottom of SW-5, 6, & 10.
- Off-Site

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JOB 097309- BLR2LW
SHEET NO. 1 OF 1
~~CALCULATED~~ BY C. Fisher DATE 24th Feb'06
CHECKED BY DATE
SCALE

Field Notes

- Changed programmed run times of SW-5, 6, & 10 to 5 minutes each.
- All Sparge Wells set for 5 minute run times
- System operating normally
- Adjusted O_3 Generator
  Flow = 10 scfh
  Pressure = 12 psi
- Locked-up & off-site

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Daily Field Report

Job No. 097309		
Page 1 of		
Project Name: Blue Lake Belt & Leather Works	Client/Owner	Daily Field Report Sequence No
General Location of Work	Owner/Client Representative	Date: 03-06-06 / Day of Week: Mon
General Contractor	Grading Contractor	Project Engineer
Type of Work	Grading Contractor, Superintendent, Or Foreman	Supervisor
Source & Description of Fill Material	Weather	Technician
	Key Persons Contacted (Civil Engr, Architect, Developer, Etc)	
Describe Equipment Used For Hauling, Spreading, Watering, Conditioning, & Compacting		

4:10 On site, open trailer, system looks OK

4:15 Start checking sparge wells for Ozone leakage

well #	O_3^- conc.
4	0.01
5	0.01
6	0.00
7	0.00
8	0.00
9	0.00
10	0.00
1	0.01
2	0.00
3	?

- well 3 is not where map says it is
All other wells located & tested

Looks like road drainage / sidewalk work was done recently

5:10 Disabled well 3

5:15 Lockup, off site.

	Copy given to:	Reported By: Peter Dunn

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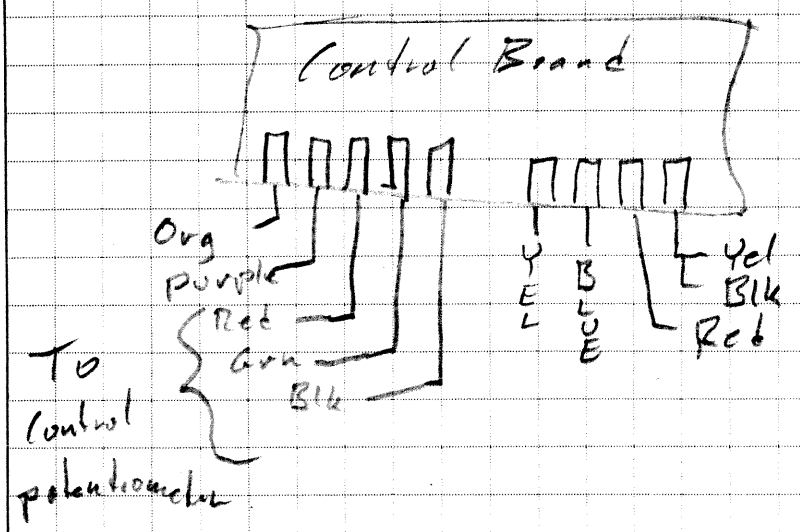
JOB 097309- BLB&LW
SHEET NO. 1 OF 1
CALCULATED BY C. Fisher DATE 16th Mar '06
CHECKED BY DATE
SCALE

Field Notes

- Evaluating O_3 system
- O_3 output will not reach maximum output by using level control dial
- Disconnected blue wire from controller & FEB inside O_3 generator
- O_3 generator will operate @ full output with blue wire disconnected from controller board



- Contact H_2O Engr & Eric Barber stated that there is no problem operating system with blue wire disconnected
- Check potentiometer at control board - checks OK
- Placed order for new control board
- System operating normally & at full O_3 production

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DAILY FIELD REPORT

Job No. 097309

Page of

Project Name: Blue Lake Belting & Leather	Client/Owner	Daily Field Report Sequence No	
General Location Of Work	Owner/Client Representative	Date: ~~10~~ 3/17/06	Day Of Week: Fri.
General Contractor	Grading Contractor	Project Engineer: Mike Foget	
Type Of Work: O&M	Grading Contractor, Superintendent, Or Foreman	Supervisor	
Source & Description Of Fill Material	Weather: Rain	Technician: Dustin Tibbets	
	Key Persons Contacted (Civil Engr, Architect, Developer, Etc)		

Describe Equipment Used For Hauling, Spreading, Watering, Conditioning, & Compacting

1049 On site taking reading's from Ozone system.
1112 Off site.

Copy given to:

Reported By: Dustin Tibbets

G:\FORMS\DAILY FIELD REPORT.doc

Blue Lake Belting & Leather Works
097309
Ozone System Monitoring Form

Technician:	Dustin Tibbets	Date:	3/17/06
Weather:	Rain	Time Onsite: 1049	Offsite: 1112
Electric Meter:	11450	Ozone Badge: Positive -or- Negative	

- ☐ Don ozone badge and activate,
- ☐ Inspect overall system for leaks, wear, etc.
- ☐ Inspect vaults of monitoring wells, observation wells, sparge wells, and pull box,
- ☐ Inspect air filters (clean or replace),
- ☐ Complete system readings,
- ☐ Inspect ozone badge for positive or negative exposure.

System Readings				
Ozone Generator Flow (scfh)	8.5			
Ozone Generator Pressure (psi)	12			
Ozone Generator Indicator Lights	Left: On Off		Right: On Off	
Ozone Output (%) Min.				
Auto Drain Valve	On: 1 (sec)		Off: 45 (min)	
System Run Time (hr:min)	10068.1			

Well	Flow (scfm)	Pressure (psi)	Total Run Time (hr:min)	Programmed Run Time (minutes)	Observations
SP-1	1	4	102 27	5	
SP-2	.95	5	101 8	5	
SP-3	1	4	252 44	5	
SP-4	~~1~~ .95	5	306 43	5	
SP-5	.90	5	259 34	5	
SP-6	.95	5	259 36	5	
SP-7	.85	6	99 38	5	
SP-8	.85	5	88 20	5	
SP-9	.95	5	88 7	5	
SP-10	.95	5	270 1	5	

Comments: All PSI. seem low?

Client Name: **BLUE LAKE BELTING & LEATHER WORKS**

The water from your site: **411 RAILROAD AVE, BLUE LAKE, CA; LOP #12012**

SHN ref # **097309** Collected On: **3/17/2006**

Has been tested and certified as acceptable to be discharged into the City of Eureka municipal sewer system.

Amount Discharged: **74 GALLONS**

Date Discharged: **4/25/2006**

Certified by: **AARON MELODY**

SHN CONSULTING ENGINEERS & GEOLOGISTS, INC.

City of Eureka Wastewater Discharge Permit #65

Appendix B

Historic Monitoring Data

Table B-1
Historic Groundwater Elevations
Blue Lake Belting & Leather Works, Blue Lake, California

Location	Date	Top of Casing Elevation (feet)[1]	Depth to Water (feet)[2]	Groundwater Elevation (feet)[3]
MW-101	12/01/99	91.89	6.24	85.65
	03/01/00		6.49	85.40
	06/01/00		7.89	84.00
	09/01/00		13.57	78.32
	12/01/00		7.57	84.32
	03/01/01		7.59	84.30
	06/01/01		9.70	82.19
	09/04/01		13.64	78.25
	12/03/01		5.84	86.05
	03/01/02		7.18	84.71
	06/03/02		9.13	82.76
	09/03/02		13.66	78.23
	12/02/02		13.16	78.73
	03/03/03		7.38	84.51
	06/02/03		7.81	84.08
	09/02/03		13.50	78.39
	12/01/03		7.31	84.58
	03/01/04		6.60	85.29
	06/01/04		7.94	83.95
	09/02/04		13.40	78.49
	12/01/04		7.96	83.93
	03/01/05	92.27	7.80	84.47
	06/01/05		8.01	84.26
	09/01/05		dry	
	12/05/05		7.05	85.22
	03/16/06		6.98	85.29
MW-102	12/01/99	91.19	7.23	83.96
	03/01/00		7.23	83.96
	06/01/00		8.12	83.07
	09/01/00		13.48	77.71
	12/01/00		7.83	83.36
	03/01/01		7.92	83.27
	06/01/01		10.43	80.76
	09/04/01		13.68	77.51
	12/03/01		6.83	84.36
	03/01/02		7.56	83.63
	06/03/02		9.87	81.32
	09/03/02		13.73	77.46
	12/02/02		13.21	77.98
	03/03/03		7.62	83.57
	06/02/03		8.02	83.17
	09/02/03		13.40	77.79

Table B-1
Historic Groundwater Elevations
Blue Lake Belting & Leather Works, Blue Lake, California

Location	Date	Top of Casing Elevation (feet)[1]	Depth to Water (feet)[2]	Groundwater Elevation (feet)[3]
MW-102 (cont'd)	12/01/03	91.19	7.65	83.54
	03/01/04		7.23	83.96
	06/01/04		8.29	82.90
	09/02/04		13.43	77.76
	12/01/04		8.02	83.17
	03/01/05		7.66	83.53
	06/01/05		7.80	83.39
	09/01/05		12.87	78.32
	12/05/05		7.23	83.96
	03/16/06		7.07	84.12
MW-103	12/01/99	91.57	7.41	84.16
	03/01/00		7.48	84.09
	06/01/00		8.44	83.13
	09/01/00		13.77	77.80
	12/01/00		8.09	83.48
	03/01/01		8.21	83.36
	06/01/01		10.71	80.86
	09/04/01		13.99	77.58
	12/03/01		6.99	84.58
	03/01/02		7.89	83.68
	06/03/02		10.23	81.34
	09/03/02		14.06	77.51
	12/02/02		13.50	78.07
	03/03/03		7.97	83.60
	06/02/03		8.38	83.19
	09/02/03		13.65	77.92
	12/01/03		7.93	83.64
	03/01/04		7.54	84.03
	06/01/04		8.60	82.97
	09/02/04		13.73	77.84
	12/01/04		8.32	83.25
	03/01/05		7.91	83.66
	06/01/05		8.09	83.48
	09/01/05		13.12	78.45
	12/05/05		7.44	84.13
	03/16/06		7.31	84.26
MW-104	12/01/99	91.48	6.58	84.90
	03/01/00		6.76	84.72
	06/01/00		8.03	83.45
	09/01/00		13.48	78.00
	12/01/00		7.63	83.85
	03/01/01		7.74	83.74

Table B-1 Historic Groundwater Elevations Blue Lake Belting & Leather Works, Blue Lake, California				
Location	Date	Top of Casing Elevation (feet)[1]	Depth to Water (feet)[2]	Groundwater Elevation (feet)[3]
MW-104 (cont'd)	06/01/01	91.48	9.94	81.54
	09/04/01		13.67	77.81
	12/03/01		6.15	85.33
	03/01/02		7.35	84.13
	06/03/02		9.40	82.08
	09/03/02		13.80	77.68
	12/02/02		13.01	78.47
	03/03/03		7.51	83.97
	06/02/03		7.93	83.55
	09/02/03		13.30	78.18
	12/01/03		7.36	84.12
	03/01/04		6.76	84.72
	06/01/04		8.05	83.43
	09/02/04		13.29	78.19
	12/01/04		8.01	83.47
	03/01/05		7.51	83.97
	06/01/05		7.72	83.76
	09/01/05		12.68	78.8
	12/05/05		6.79	84.69
	03/16/06		6.80	84.68
MW-105	12/01/99	91.32	7.25	84.07
	03/01/00		7.30	84.02
	06/01/00		8.25	83.07
	09/01/00		13.64	77.68
	12/01/00		7.91	83.41
	03/01/01		8.04	83.28
	06/01/01		10.57	80.75
	09/04/01		13.85	77.47
	12/03/01		6.84	84.48
	03/01/02		7.69	83.63
	06/03/02		10.01	81.31
	09/03/02		13.91	77.41
	12/02/02		13.39	77.93
	03/03/03		7.75	83.57
	06/02/03		8.17	83.15
	09/02/03		13.58	77.74
	12/01/03		7.76	83.56
	03/01/04		7.35	85.97
	06/01/04		8.44	82.88
	09/02/04		13.61	77.71

Table B-1 Historic Groundwater Elevations Blue Lake Belting & Leather Works, Blue Lake, California				
Location	Date	Top of Casing Elevation (feet)[1]	Depth to Water (feet)[2]	Groundwater Elevation (feet)[3]
MW-105 (cont'd)	12/01/04	91.32	8.15	83.17
	03/01/05		7.76	83.56
	06/01/05		7.94	83.38
	09/01/05		13.05	78.27
	12/05/05		7.31	84.01
	03/16/06		7.17	84.15
MW-106	12/01/99	88.88	5.30	83.58
	03/01/00		5.22	83.66
	06/01/00		6.09	82.79
	09/01/00		11.68	77.20
	12/01/00		5.81	83.07
	03/01/01		5.91	82.97
	06/01/01		8.45	80.43
	09/04/01		11.92	76.96
	12/03/01		4.96	83.92
	03/01/02		5.59	83.29
	06/03/02		7.91	80.97
	09/03/02		11.99	76.89
	12/02/02		11.43	77.45
	03/03/03		5.64	83.24
	06/02/03		6.04	82.84
	09/02/03		11.58	77.30
	12/01/03		5.71	83.17
	03/01/04		5.24	83.64
	06/01/04		6.27	82.61
	09/02/04		11.65	77.23
	12/01/04		5.98	82.90
	03/01/05		5.62	83.26
	06/01/05		5.79	83.09
	09/01/05		11.03	77.85
	12/05/05		5.14	83.74
	03/16/06		5.05	83.83
MW-1	12/01/99	89.45 [4]	5.05	84.40
	03/01/00		5.11	84.34
	06/01/00		6.64	82.81
	09/01/00		NA[5]	NA
	12/01/00		7.45	82.00
	03/01/01		6.40	83.05
	12/03/01		4.47	84.98
	03/01/02		4.93	84.52
	06/05/02		8.45	81.00
	09/03/02		12.01	77.44

Table B-1
Historic Groundwater Elevations
Blue Lake Belting & Leather Works, Blue Lake, California

Location	Date	Top of Casing Elevation (feet)[1]	Depth to Water (feet)[2]	Groundwater Elevation (feet)[3]
MW-1 (cont'd)	01/02/03	89.45 [4]	4.56	84.89
	03/03/03		NA	NA
	06/02/03		6.65	82.80
	09/11/03		NA	NA
	12/01/03		5.54	83.91
	03/01/04		5.68	83.77
	09/02/04		11.73	77.72
	12/01/04		6.58	82.87
	03/01/05		5.96	83.49
	06/01/05		6.47	82.98
	09/01/05		10.91	78.54
	12/01/05		3.61	85.84
	03/30/06		5.90	83.55
MW-2	12/01/99	91.29 [4]	6.25	85.04
	03/01/00		6.43	84.86
	06/01/00		7.82	83.47
	09/01/00		NA	NA
	12/01/00		6.09	85.20
	03/01/01		7.54	83.75
	12/03/01		5.74	85.55
	03/01/02		6.44	84.85
	06/05/02		9.32	81.97
	09/03/02		12.90	78.39
	01/02/03		5.78	85.51
	03/03/03		7.37	83.92
	06/02/03		7.81	83.48
	09/11/03		NA	NA
	12/01/03		7.01	84.28
	03/01/04		6.95	84.34
	09/02/04		13.81	77.48
	12/01/04		7.88	83.41
	03/01/05		7.33	83.96
	06/01/05		7.62	83.67
	09/01/05		12.33	78.96
	12/01/05		4.91	86.38
	03/30/06		7.19	84.10
MW-3	12/01/99	91.63 [4]	7.29	84.34
	03/01/00		7.25	84.38
	06/01/00		8.36	83.27
	09/01/00		NA	NA
	12/01/00		8.07	83.56
	03/01/01		8.36	83.27

Table B-1
Historic Groundwater Elevations
Blue Lake Belting & Leather Works, Blue Lake, California

Location	Date	Top of Casing Elevation (feet)[1]	Depth to Water (feet)[2]	Groundwater Elevation (feet)[3]
MW-3 (cont'd)	12/03/01	91.63 [4]	6.78	84.85
	03/01/02		7.33	84.30
	06/05/02		10.23	81.40
	09/03/02		13.88	77.75
	01/02/03		6.95	84.68
	03/03/03		7.95	83.68
	06/02/03		8.42	83.21
	09/11/03		NA	NA
	12/01/03		7.83	83.80
	03/01/04		7.61	84.02
	09/02/04		13.68	77.95
	12/01/04		8.39	83.24
	03/01/05		7.84	83.79
	06/01/05		8.07	83.56
	09/01/05		12.92	78.71
	12/05/05		7.31	84.32
	03/16/06		7.21	84.42

1. Referenced to top of casing elevation of Blue Lake Market well MW-1
2. Below top of casing
3. In feet, relative to Blue Lake Market well MW-1 top of casing elevation
4. Top of casing elevation surveyed relative mean sea level
5. NA: Not Available

Table B-2
Historic Groundwater Analytical Data
Blue Lake Belting & Leather Works, Blue Lake, California
(in ug/L)[1]

Well Location	Sampling Date	TPHG[2]	Benzene	Toluene	Ethyl-Benzene	m,p-Xylene	o-Xylene	Dissolved Lead	MTBE[3]	TBA[3]	DIPE[3]	ETBE[3]	TAME[3]
MW-101	12/1/99	<50[4]	<0.50	<0.50	<0.50	<0.50	<0.50	NA[5]	<0.50	<10	<1.0	<1.0	<1.0
	3/1/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	6/1/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	NA	NA	NA	NA
	9/1/00	NS[6]	NS	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	12/1/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	3/1/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	6/1/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	9/4/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/3/01	**160**	<0.50	<4.0	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	3/1/02	<50	<0.50	<4.0	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	6/3/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	9/3/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	12/2/02	**64**	<0.50	<2.8	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	3/3/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	6/2/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	9/2/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/03	<50	<0.50	<1.4	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	3/1/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	6/1/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	9/2/04	**90**	<0.50	<3.0	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	12/1/04	**Not Sampled**											
	3/1/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	6/1/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	9/1/05	**Not Sampled**											
	12/5/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	3/16/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
MW-102	12/1/99	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<10	<1.0	<1.0	<1.0
	3/1/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	6/1/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	NA	NA	NA	NA
	9/1/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA
	12/1/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA

Table B-2
Historic Groundwater Analytical Data
Blue Lake Belting & Leather Works, Blue Lake, California
(in ug/L)[1]

Well Location	Sampling Date	TPHG[2]	Benzene	Toluene	Ethyl-Benzene	m,p-Xylene	o-Xylene	Dissolved Lead	MTBE[3]	TBA[3]	DIPE[3]	ETBE[3]	TAME[3]
MW-102 (cont'd)	3/1/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	6/1/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	9/4/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	12/3/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	3/1/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	6/3/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	9/3/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	12/2/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	3/3/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	<3.0	NA	NA	NA
	6/2/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	9/2/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<3.0	NA	NA	NA	NA
	12/1/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	3/1/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	6/1/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	9/2/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	12/1/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	3/1/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	6/1/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	9/1/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	12/5/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	3/16/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
MW-103	12/1/99	**2,200**	**27**	**14**	**26**	**47**	**11**	NA	<1.0	<20	<2.0	<2.0	<2.0
	3/1/00	**3,200**[7]	**47**	**93**	**55**	**130**	**47**	NA	<30	NA	NA	NA	NA
	6/1/00	**2,200**	**12**	**7.3**	**24**	**30**	**12**	<20	<0.50	NA	NA	NA	NA
	9/1/00	**2,300**	**23**	**2.8**	**18**	**12**	**1.2**	NA	<0.50	NA	NA	NA	NA
	12/1/00	**4,900**	**43**	**48**	**50**	**73**	**14**	<80	NA	NA	NA	NA	NA
	3/1/01	**2,900**	**27**	**37**	**35**	**49**	**14**	NA	<60	NA	NA	NA	NA
	6/1/01	**3,200**	**42**	<80	**16**	**21**	**9.4**	NA	<30	NA	NA	NA	NA
	9/4/01	**1,300**	**18**	<40	**7.9**	**5.4**	<3.0	NA	<32	NA	NA	NA	NA
	12/3/01	**5,700**	**150**	**160**	**95**	**180**	**39**	NA	<150	NA	NA	NA	NA
	3/1/02	**5,700**	**100**	**170**	**83**	**260**	**120**	NA	<150	NA	NA	NA	NA

Table B-2
Historic Groundwater Analytical Data
Blue Lake Belting & Leather Works, Blue Lake, California
(in ug/L)[1]

Well Location	Sampling Date	TPHG[2]	Benzene	Toluene	Ethyl-Benzene	m,p-Xylene	o-Xylene	Dissolved Lead	MTBE[3]	TBA[3]	DIPE[3]	ETBE[3]	TAME[3]
MW-103 (cont'd)	6/3/02	13,900	25	<110	35	33	17	NA	<3.0	NA	NA	NA	NA
	9/3/02	1,600	21	<35	11	7	<5.0	NA	<30	NA	NA	NA	NA
	12/2/02	5,700	280	110	190	300	36	NA	<120	NA	NA	NA	NA
	3/3/03	4,400	47	<200	74	170	59	NA	NA	NA	NA	NA	NA
	6/2/03	2,400	14	<70	15	12	5.3	NA	<30	NA	NA	NA	NA
	9/2/03	1,500	18	<45	13	9.5	<5.0	<10	<30	NA	NA	NA	NA
	12/1/03	3,500	49	<90	48	49	9.6	NA	NA	NA	NA	NA	NA
	3/1/04	5,800	100	160	130	260	83	NA	NA	NA	NA	NA	NA
	6/1/04	2,100	15	<110	32	26	14	NA	NA	NA	NA	NA	NA
	9/2/04	3,700	55	49	140	150	18	NA	NA	NA	NA	NA	NA
	12/1/04	2,400	42	40	41	39	8.4	NA	NA	NA	NA	NA	NA
	3/1/05	3,700	58	82	67	92	33	NA	NA	NA	NA	NA	NA
	6/1/05	2,700	33	47	46	66	13	NA	NA	NA	NA	NA	NA
	9/1/05	7,400	130	110	230	410	36	NA	NA	NA	NA	NA	NA
	12/5/05	3,900	70	81	87	110	46	NA	NA	NA	NA	NA	NA
	3/16/06	2,600	23	26	36	21	9.1	NA	NA	NA	NA	NA	NA
MW-104	12/1/99	33,000	520	590	1,500	4,300	350	NA	<25.0	<500	<50.0	<50.0	<50.0
	3/1/00	15,000	330	460	770	2,100	210	NA	<300	NA	NA	NA	NA
	6/1/00	16,000	260	490	770	1,900	200	<20	<10	NA	NA	NA	NA
	9/1/00	6,600	43	45	190	260	19	NA	<1.0	NA	NA	NA	NA
	12/1/00	34,000	550	440	1,300	3,400	200	<300	NA	NA	NA	NA	NA
	3/1/01	18,000	350	440	740	1,700	170	NA	<600	NA	NA	NA	NA
	6/1/01	17,000	260	320	540	1,400	110	NA	<300	NA	NA	NA	NA
	9/4/01	9,800	120	<200	330	510	36	NA	<400	NA	NA	NA	NA
	12/3/01	33,000	870	520	1600	4,400	250	NA	<900	NA	NA	NA	NA
	3/1/02	20,000	400	450	930	2,300	180	NA	<650	NA	NA	NA	NA
	6/3/02	21,000	370	880	890	2,300	310	NA	<80	NA	NA	NA	NA
	9/3/02	7,400	100	<200	270	320	41	NA	<150	NA	NA	NA	NA
	12/2/02	13,000	260	210	630	1,100	91	NA	<320	NA	NA	NA	NA
	3/3/03	20,000	430	560	950	2,100	230	NA	NA	NA	NA	NA	NA
	6/2/03	26,000	540	1,100	1,300	3,100	530	NA	<600	NA	NA	NA	NA

Table B-2
Historic Groundwater Analytical Data
Blue Lake Belting & Leather Works, Blue Lake, California
(in ug/L)[1]

Well Location	Sampling Date	TPHG[2]	Benzene	Toluene	Ethyl-Benzene	m,p-Xylene	o-Xylene	Dissolved Lead	MTBE[3]	TBA[3]	DIPE[3]	ETBE[3]	TAME[3]
MW-104	9/2/03	**6,100**	**100**	**110**	**260**	**420**	**59**	<10	<300	NA	NA	NA	NA
(cont'd)	12/1/03	**25,000**	**760**	**520**	**1,300**	**2,500**	**200**	NA	NA	NA	NA	NA	NA
	3/1/04	**21,000**	**400**	**460**	**1,000**	**1,800**	**210**	NA	NA	NA	NA	NA	NA
	6/1/04	**26,000**	**500**	**680**	**1,200**	**2,100**	**320**	NA	NA	NA	NA	NA	NA
	12/1/04	**16,000**	**430**	**460**	**990**	**1,900**	**190**	NA	NA	NA	NA	NA	NA
	3/1/05	**17,000**	**200**	**350**	**590**	**1,100**	**180**	NA	NA	NA	NA	NA	NA
	6/1/05	**13,000**	**130**	**230**	**490**	**870**	**140**	NA	NA	NA	NA	NA	NA
	9/1/05	**8,300**	**63**	**88**	**270**	**480**	**39**	NA	NA	NA	NA	NA	NA
	12/5/05	**10,000**	**59**	**100**	**280**	**500**	**53**	NA	NA	NA	NA	NA	NA
	3/17/06	**7,400**	**43**	**75**	**130**	**230**	**37**	NA	<160	NA	NA	NA	NA
MW-105	12/1/99	**2,000**	**4.0**	**1.7**	**12**	**2.1**	<0.50	NA	<0.50	<10	<1.0	<1.0	<1.0
	3/1/00	**610**[7]	<3.0	<15	<3.0	<2.0	<1.0	NA	<3.0	NA	NA	NA	NA
	6/1/00	**460**	<0.50	<0.50	**0.65**	<0.50	<0.50	<20	<0.50	NA	NA	NA	NA
	9/1/00	**830**	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA
	12/1/00	**3,100**[7]	<12	<25	**8.0**	**3.0**	**0.71**	<20	NA	NA	NA	NA	NA
	3/1/01	**890**	<3.0	<10[8]	**2.0**	<2.0[8]	<0.50	NA	<20	NA	NA	NA	NA
	6/1/01	**430**	<0.50	<7.0	<1.2	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	9/4/01	**650**	<4.0	<9.0	<1.5	<1.2	<1.0	NA	<13	NA	NA	NA	NA
	12/3/01	**4,700**	**11**	<40	**18**	**6.3**	**1.8**	NA	<100	NA	NA	NA	NA
	3/1/02	**260**	**1.7**	<6.0	<0.50	<0.50	<0.50	NA	<6.0	NA	NA	NA	NA
	6/3/02	**140**[7]	<0.50	<3.0[9]	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	9/3/02	**360**[7]	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	12/2/02	**680**	**6.0**	<11	**2.1**	**0.82**	<2.0	NA	<13	NA	NA	NA	NA
	3/3/03	**280**	<1.5	<5.5	<1.0	<1.0	<0.50	NA	NA	NA	NA	NA	NA
	6/2/03	**210**	<0.50	<5.5	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	9/2/03	**250**	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<3.0	NA	NA	NA	NA
	12/1/03	**1,500**	<5.0	<40	**3.8**	**1.6**	<1.5	NA	NA	NA	NA	NA	NA
	3/1/04	**390**	<2.0	<17	**0.93**	**0.53**	<0.5	NA	NA	NA	NA	NA	NA
	6/1/04	**210**	<0.50	<12	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	9/2/04	**210**	<0.50	<9	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	12/1/04	**590**	<2.0	<18	**1.3**	**0.73**	<1.0	NA	NA	NA	NA	NA	NA

Table B-2
Historic Groundwater Analytical Data
Blue Lake Belting & Leather Works, Blue Lake, California
(in ug/L)[1]

Well Location	Sampling Date	TPHG[2]	Benzene	Toluene	Ethyl-Benzene	m,p-Xylene	o-Xylene	Dissolved Lead	MTBE[3]	TBA[3]	DIPE[3]	ETBE[3]	TAME[3]
MW-105	3/1/05	**680**	<2.5	<30	<2.0	<1.5	<1.0	NA	NA	NA	NA	NA	NA
(cont'd)	6/1/05	**510**	**1.7**	**9.8**	**0.50**	**0.57**	<0.50	NA	NA	NA	NA	NA	NA
	9/1/05	**470**	**8.2**	**<15**	**3.60**	**0.95**	1.2	NA	NA	NA	NA	NA	NA
	12/5/05	**2,600**	**7.2**	<70	**8.3**	**4.6**	**<3.5**	NA	NA	NA	NA	NA	NA
	3/16/06	**1,800**	**3.5**	<60	**6.7**	**2.3**	**1.0**	NA	NA	NA	NA	NA	NA
MW-106	12/1/99	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<10	<1.0	<1.0	<1.0
	3/1/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	6/1/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	NA	NA	NA	NA
	9/1/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA
	12/1/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	3/1/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	6/1/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	9/4/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	12/3/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	3/1/02	<50	**0.74**	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	6/3/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	9/3/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	12/2/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	3/3/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	6/2/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	9/2/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<3.0	NA	NA	NA	NA
	12/1/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	3/1/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	6/1/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	9/2/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	12/1/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	3/1/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	6/1/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	9/1/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	12/5/05	**110**	**4.4**	**3.7**	**1.6**	**1.1**	<0.50	NA	NA	NA	NA	NA	NA
	3/16/06	<50	**0.85**	**0.58**	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA

Table B-2
Historic Groundwater Analytical Data
Blue Lake Belting & Leather Works, Blue Lake, California
(in ug/L)[1]

Well Location	Sampling Date	TPHG[2]	Benzene	Toluene	Ethyl-Benzene	m,p-Xylene	o-Xylene	Dissolved Lead	MTBE[3]	TBA[3]	DIPE[3]	ETBE[3]	TAME[3]
MW-1[10]	12/3/01	**71**	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<1.0	NA	NA	NA	NA
	3/1/02	**420**	**11**	<0.50	**5.4**	**3.8**	<0.50	NA	<27	NA	NA	NA	NA
	6/3/02	**2,400** [7]	**63**	**32**	**49**	**30**	**9**	NA	<70	NA	NA	NA	NA
	9/3/02	**3,800** [7]	**210**	<70	**29**	<25	<12	NA	<110	NA	NA	NA	NA
	1/2/03	**400**	<2.0	<4.0		<0.50	<1.0	NA	<10	NA	NA	NA	NA
	3/3/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<3.0	NA	NA	NA	NA
	6/2/03	**1,300**	**43**	<30	**29**	**9.6**	<8.0	NA	<30	NA	NA	NA	NA
	9/11/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/03	**1,500**	**38**	<20	**19**	**14**	<4.0	NA	<80	NA	NA	NA	NA
	3/1/04	Data Not Available											
	6/7/04	Data Not Available											
	9/2/04	**1,000**	**37**	<19	<5.0	<3.0 [11]	<3.0 [11]	NA	<40	NA	NA	NA	NA
	12/1/04	**330**	**4.8**	<4.0	**1.7**	**0.91**	<1.0	NA	NA	NA	NA	NA	NA
	3/1/05	**990**	<10	<15	<15	<7.0	<3.0	NA	<35	NA	NA	NA	NA
	6/1/05	**2,600**	**27**	<30	**18**	**10**	<5.0	NA	<80	NA	NA	NA	NA
	9/1/05	**1,700**	**24**	<25	**<10**	**<10**	<10	NA	<60	NA	NA	NA	NA
	12/1/05	**1,300**	**9.1**	<15	3.4	2.4	<4.0	NA	<50	NA	NA	NA	NA
	3/30/06	**1,900**	**9.3**	**1.6**	**4.1**	**3.2**	**0.64**	NA	<50	NA	NA	NA	NA
MW-2[10]	12/3/01	**4,700**	**7.3**	**42**	**110**	**500**	**150**	NA	<1.0	NA	NA	NA	NA
	3/1/02	**15,000**	**29**	**290**	**640**	**2,000**	**600**	NA	<70	NA	NA	NA	NA
	6/3/02	**3,400** [7]	**9.8**	**21**	**87**	**190**	**63**	NA	<11	NA	NA	NA	NA
	9/3/02	NS	NS	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	1/2/03	**12,000**	<25	**97**	**470**	**1,700**	**210**	NA	<150	NA	NA	NA	NA
	3/3/03	**270**	<0.50	<5.5	**2.4**	**8.1**	**4.2**	NA	<3.0	NA	NA	NA	NA
	6/2/03	**860**	**0.75**	**6.6**	**28**	**63**	**12**	NA	<3.0	NA	NA	NA	NA
	9/11/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/03	**6,700**	**14**	**52**	**330**	**970**	**160**	NA	<30	NA	NA	NA	NA
	3/1/04	Data Not Available											
	6/7/04	Data Not Available											
	9/2/04	**2,600**	**16**	**26**	**92**	**258** [11]	**258** [11]	NA	<3.0	NA	NA	NA	NA
	12/1/04	**2,200**	**5.2**	**15**	**110**	**270**	**21**	NA	NA	NA	NA	NA	NA
	3/1/05	**1,100**	<2.0	**10**	**19**	**48**	**7.9**	NA	<3.0	NA	NA	NA	NA

Table B-2
Historic Groundwater Analytical Data
Blue Lake Belting & Leather Works, Blue Lake, California
(in ug/L)[1]

Well Location	Sampling Date	TPHG[2]	Benzene	Toluene	Ethyl-Benzene	m,p-Xylene	o-Xylene	Dissolved Lead	MTBE[3]	TBA[3]	DIPE[3]	ETBE[3]	TAME[3]
MW-2[10] (cont'd)	6/1/05	**970**	**1.1**	<15	**9**	**17**	**4.1**	NA	<3.0	NA	NA	NA	NA
	9/1/05	**3,200**	**19**	57	**130**	**380**	**30**	NA	<30	NA	NA	NA	NA
	12/1/05	**1,500**	<5.0	**6.9**	**63**	**160**	**7**	NA	<30	NA	NA	NA	NA
	3/30/06	**1,200**	**0.69**	<0.50	**8**	**15**	**2.1**	NA	<1.0	NA	NA	NA	NA
MW-3[10]	12/3/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<1.0	NA	NA	NA	NA
	3/1/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/3/02	**8,100**	**28**	<140	**69**	**130**	**17**	NA	<250	NA	NA	NA	NA
	9/3/02	NS	NS	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	1/2/03	**23,000**	**390**	**2,700**	**810**	**3,000**	**1,000**	NA	<150	NA	NA	NA	NA
	3/3/03	**7,500**	**32**	<180	**62**	**360**	**55**	NA	<200	NA	NA	NA	NA
	6/2/03	**5,600**	**36**	<110	**86**	**160**	**20**	NA	<170	NA	NA	NA	NA
	9/11/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/03	**10,000**	**77**	**120**	**200**	**540**	**54**	NA	<400	NA	NA	NA	NA
	3/1/04	Data Not Available											
	6/7/04	Data Not Available											
	9/2/04	**4,500**	**59**	**50**	**73**	**109** [11]	**109** [11]	NA	<140	NA	NA	NA	NA
	12/1/04	**7,500**	**120**	**340**	**180**	**470**	**84**	NA	NA	NA	NA	NA	NA
	3/1/05	**11,000**	**160**	**690**	**370**	**790**	**220**	NA	NA	NA	NA	NA	NA
	6/1/05	**10,000**	**120**	**480**	**340**	**650**	**170**	NA	NA	NA	NA	NA	NA
	9/1/05	**6,700**	**68**	**160**	**110**	**180**	**28**	NA	NA	NA	NA	NA	NA
	12/5/05	**14,000**	**180**	**1600**	**480**	**1400**	**500**	NA	NA	NA	NA	NA	NA
	3/17/06	**6,500**	**49**	**250**	**140**	**360**	**120**	NA	NA	NA	NA	NA	NA

1. ug/L: micrograms per Liter
2. TPHG: Total Petroleum Hydrocarbons as Gasoline
3. MTBE: Methyl Tertiary-Butyl Ether; TBA: Tertiary-Butyl Alcohol; DIPE: Diisopropyl Ether; ETBE: Ethyl Tertiary-Butyl Ether; TAME: Tertiary-Amyl Methyl Ether
4. <: Denotes a value that is "less than" the method detection limit.
5. NA: Not Applicable/Analyzed/Available
6. NS: Not Sampled
7. Samples do not have the typical pattern of fresh gasoline. However, the results represent the amount of material in the gasoline range.
8. Results for samples are reported ND with a dilution due to matrix interference.
9. Reporting limits raised due to matrix interference.
10. Well sampled by LACO Associates for Blue Lake Market.
11. Analytical result represents total xylenes.

Table B-3
Historic Natural Attenuation Parameters
Blue Lake Belting & Leather Works, Blue Lake, California

Well Location	Sampling Date	DO[1] (ppm)[2]	DCO_2[3] (ppm)	ORP[4] (mV)[5]	Alkalinity (mg/L $CaCO_3$) [6]	Dissolved Methane (ug/L)[7]	Dissolved Iron (ug/L)	Sulfate (mg/L)[8]	Nitrate (mg/L)	Dissolved Manganese (ug/L)
MW-101	12/01/99	1.98	40	0	NA[9]	27.1	380	15	0.97	NA
	03/01/00	3.67	40	280	55	<7.89[10]	<100	13	1.5	28
	06/01/00	1.15	40	235	45	<7.89	<100	10	1.3	16
	09/01/00	0.55	NA	NA	NA	NA	NA	NA	NA	NA
	12/01/00	0.83	40	165	NA	NA	NA	NA	NA	NA
	03/01/01	1.35	25	97	NA	NA	NA	NA	NA	NA
	06/01/01	0.38	30	112	NA	NA	NA	NA	NA	NA
	09/04/01	0.49	NA	90	NA	NA	NA	NA	NA	NA
	12/03/01	0.74	30	106	NA	NA	NA	NA	NA	NA
	03/01/02	1.23	30	172	NA	NA	NA	NA	NA	NA
	06/03/02	0.86	30	117	NA	NA	NA	NA	NA	NA
	09/03/02	1.34	NA	164	NA	NA	NA	NA	NA	NA
	12/02/02	0.73	50	175	NA	NA	NA	NA	NA	NA
	03/03/03	1.21	25	242	NA	NA	NA	NA	NA	NA
	06/02/03	1.52	40	240	NA	NA	NA	NA	NA	NA
	09/02/03	1.47	45	203	NA	NA	NA	NA	NA	NA
	12/01/03	1.75	30	251	NA	NA	NA	NA	NA	NA
	03/01/04	2.39	15	270	NA	NA	NA	NA	NA	NA
	06/01/04	0.98	30	191	NA	NA	NA	NA	NA	NA
	09/02/04	1.12	35	117	NA	NA	NA	NA	NA	NA
	12/01/04	1.95	NA	NA	NA	NA	NA	NA	NA	NA
	03/01/05	6.08	25	132	NA	NA	NA	NA	NA	NA
	06/01/05	5.11	15	164	NA	NA	NA	NA	NA	NA
	09/01/05	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/05/05	7.81	20	264	NA	NA	NA	NA	NA	NA
	03/16/06	5.39	20	164	NA	NA	NA	NA	NA	NA
MW-102	12/01/99	3.40	30	13	NA	<7.89	<100	11	1.3	NA
	03/01/00	4.16	20	305	32	<7.89	<100	7.5	1.4	<2.0
	06/01/00	3.20	20	245	31	<7.89	<100	7	0.74	<2.0

Table B-3
Historic Natural Attenuation Parameters
Blue Lake Belting & Leather Works, Blue Lake, California

Well Location	Sampling Date	DO[1] (ppm)[2]	DCO_2[3] (ppm)	ORP[4] (mV)[5]	Alkalinity (mg/L $CaCO_3$) [6]	Dissolved Methane (ug/L)[7]	Dissolved Iron (ug/L)	Sulfate (mg/L)[8]	Nitrate (mg/L)	Dissolved Manganese (ug/L)
MW-102 (cont'd)	09/01/00	1.72	30	155	NA	<7.89	<15	5.8	0.77	NA
	12/01/00	4.08	30	165	NA	NA	NA	NA	NA	NA
	03/01/01	3.08	20	55	NA	NA	NA	NA	NA	NA
	06/01/01	2.96	30	158	NA	NA	NA	NA	NA	NA
	09/04/01	1.63	20	97	NA	NA	NA	NA	NA	NA
	12/03/01	3.18	20	NA	NA	NA	NA	NA	NA	NA
	03/01/02	3.84	20	159	NA	NA	NA	NA	NA	NA
	06/03/02	3.49	25	130	NA	NA	NA	NA	NA	NA
	09/03/02	1.64	15	162	NA	NA	NA	NA	NA	NA
	12/02/02	1.35	25	180	NA	NA	NA	NA	NA	NA
	03/03/03	4.10	20	249	NA	NA	NA	NA	NA	NA
	06/02/03	3.91	30	231	NA	NA	NA	NA	NA	NA
	09/02/03	2.04	15	231	NA	NA	NA	NA	NA	NA
	12/01/03	3.37	25	254	NA	NA	NA	NA	NA	NA
	03/01/04	3.46	15	278	NA	NA	NA	NA	NA	NA
	06/01/04	3.18	30	185	NA	NA	NA	NA	NA	NA
	09/02/04	1.46	20	102	NA	NA	NA	NA	NA	NA
	12/01/04	4.64	20	158	NA	NA	NA	NA	NA	NA
	03/01/05	4.51	25	158	NA	NA	NA	NA	NA	NA
	06/01/05	2.93	15	175	NA	NA	NA	NA	NA	NA
	09/01/05	1.61	20	181	NA	NA	NA	NA	NA	NA
	12/05/05	3.59	15	228	NA	NA	NA	NA	NA	NA
	03/16/06	3.02	20	172	NA	NA	NA	NA	NA	NA
MW-103	12/01/99	0.74	40	3	NA	396	2,900	3.8	<0.10	NA
	03/01/00	1.18	30	10	55	377	3,200	3.5	<0.10	390
	06/01/00	0.48	40	15	45	137	2,700	3.2	<0.50	320
	09/01/00	0.47	80	5	NA	133	1,900	2.4	<0.10	NA
	12/01/00	0.71	70	-35	NA	NA	NA	NA	NA	NA
	03/01/01	0.28	30	73	NA	NA	NA	NA	NA	NA

Table B-3
Historic Natural Attenuation Parameters
Blue Lake Belting & Leather Works, Blue Lake, California

Well Location	Sampling Date	DO[1] (ppm)[2]	DCO_2[3] (ppm)	ORP[4] (mV)[5]	Alkalinity (mg/L $CaCO_3$) [6]	Dissolved Methane (ug/L)[7]	Dissolved Iron (ug/L)	Sulfate (mg/L)[8]	Nitrate (mg/L)	Dissolved Manganese (ug/L)
MW-103 (cont'd)	06/01/01	0.12	40	165	NA	NA	NA	NA	NA	NA
	09/04/01	0.15	80	80	NA	NA	NA	NA	NA	NA
	12/03/01	0.34	35	112	NA	NA	NA	NA	NA	NA
	03/01/02	0.72	40	156	NA	NA	NA	NA	NA	NA
	06/03/02	0.35	35	150	NA	NA	NA	NA	NA	NA
	09/03/02	0.23	65	146	NA	NA	NA	NA	NA	NA
	12/02/02	0.49	60	198	NA	NA	NA	NA	NA	NA
	03/03/03	0.78	30	252	NA	NA	NA	NA	NA	NA
	06/02/03	1.30	125	208	NA	NA	NA	NA	NA	NA
	09/02/03	1.09	60	239	NA	NA	NA	NA	NA	NA
	12/01/03	0.98	35	274	NA	NA	NA	NA	NA	NA
	03/01/04	0.72	35	275	NA	NA	NA	NA	NA	NA
	06/01/04	0.55	70	54	NA	NA	NA	NA	NA	NA
	09/02/04	0.54	70	21	NA	NA	NA	NA	NA	NA
	12/01/04	1.43	35	73	NA	NA	NA	NA	NA	NA
	03/01/05	2.74	40	105	NA	NA	NA	NA	NA	NA
	06/01/05	0.80	35	-6	NA	NA	NA	NA	NA	NA
	09/01/05	0.76	40	-11	NA	NA	NA	NA	NA	NA
	12/05/05	2.25	40	224	NA	NA	NA	NA	NA	NA
	03/16/06	1.39	25	-31	NA	NA	NA	NA	NA	NA
MW-104	12/01/99	0.80	60	10	NA	2740	3,600	4.4	<0.10	NA
	03/01/00	0.61	25	215	66	4756	4,700	3.9	<0.10	990
	06/01/00	0.44	30	115	64	1958	4,100	3	<0.50	930
	09/01/00	0.52	40	75	NA	758	3,000	1.8	<0.10	NA
	12/01/00	1.00	60	25	NA	NA	NA	NA	NA	NA
	03/01/01	0.50	40	57	NA	NA	NA	NA	NA	NA
	06/01/01	0.23	40	170	NA	NA	NA	NA	NA	NA
	09/04/01	0.24	50	65	NA	NA	NA	NA	NA	NA
	12/03/01	0.23	50	124	NA	NA	NA	NA	NA	NA

Table B-3
Historic Natural Attenuation Parameters
Blue Lake Belting & Leather Works, Blue Lake, California

Well Location	Sampling Date	DO[1] (ppm)[2]	DCO_2[3] (ppm)	ORP[4] (mV)[5]	Alkalinity (mg/L $CaCO_3$) [6]	Dissolved Methane (ug/L)[7]	Dissolved Iron (ug/L)	Sulfate (mg/L)[8]	Nitrate (mg/L)	Dissolved Manganese (ug/L)
MW-104 (cont'd)	03/01/02	0.35	35	167	NA	NA	NA	NA	NA	NA
	06/03/02	0.51	30	141	NA	NA	NA	NA	NA	NA
	09/03/02	0.26	40	143	NA	NA	NA	NA	NA	NA
	12/02/02	0.48	40	187	NA	NA	NA	NA	NA	NA
	03/03/03	0.75	30	241	NA	NA	NA	NA	NA	NA
	06/02/03	1.25	55	265	NA	NA	NA	NA	NA	NA
	09/02/03	1.13	65	238	NA	NA	NA	NA	NA	NA
	12/01/03	0.56	40	278	NA	NA	NA	NA	NA	NA
	03/01/04	0.79	30	272	NA	NA	NA	NA	NA	NA
	06/01/04	0.62	110	51	NA	NA	NA	NA	NA	NA
	09/02/04	0.58	20	34	NA	NA	NA	NA	NA	NA
	12/01/04	1.60	30	75	NA	NA	NA	NA	NA	NA
	03/01/05	8.12	20	90	NA	NA	NA	NA	NA	NA
	06/01/05	0.74	35	37	NA	NA	NA	NA	NA	NA
	09/01/05	0.76	20	-68	NA	NA	NA	NA	NA	NA
	12/05/05	2.54	10	270	NA	NA	NA	NA	NA	NA
	03/17/06	9.10	15	109	NA	NA	NA	NA	NA	NA
MW-105	12/01/99	0.77	70	5	NA	122	2,100	4.3	<0.10	NA
	03/01/00	1.76	20	320	59	11.2	420	6.6	0.88	470
	06/01/00	1.45	20	265	36	18.9	440	5.9	0.59	160
	09/01/00	0.48	NA	30	NA	43.1	530	3.7	0.25	NA
	12/01/00	0.98	70	-15	NA	NA	NA	NA	NA	NA
	03/01/01	0.77	20	99	NA	NA	NA	NA	NA	NA
	06/01/01	0.94	30	140	NA	NA	NA	NA	NA	NA
	09/04/01	0.21	70	103	NA	NA	NA	NA	NA	NA
	12/03/01	0.42	50	124	NA	NA	NA	NA	NA	NA
	03/01/02	0.95	20	179	NA	NA	NA	NA	NA	NA
	06/03/02	1.19	25	145	NA	NA	NA	NA	NA	NA
	09/03/02	0.28	100	165	NA	NA	NA	NA	NA	NA

Table B-3
Historic Natural Attenuation Parameters
Blue Lake Belting & Leather Works, Blue Lake, California

Well Location	Sampling Date	DO[1] (ppm)[2]	DCO_2[3] (ppm)	ORP[4] (mV)[5]	Alkalinity (mg/L $CaCO_3$) [6]	Dissolved Methane (ug/L)[7]	Dissolved Iron (ug/L)	Sulfate (mg/L)[8]	Nitrate (mg/L)	Dissolved Manganese (ug/L)
MW-105 (cont'd)	12/02/02	0.58	50	202	NA	NA	NA	NA	NA	NA
	03/03/03	1.40	20	252	NA	NA	NA	NA	NA	NA
	06/02/03	1.64	45	254	NA	NA	NA	NA	NA	NA
	09/02/03	1.10	40	232	NA	NA	NA	NA	NA	NA
	12/01/03	3.80	35	273	NA	NA	NA	NA	NA	NA
	03/01/04	0.72	15	278	NA	NA	NA	NA	NA	NA
	06/01/04	1.23	20	183	NA	NA	NA	NA	NA	NA
	09/02/04	0.64	50	75	NA	NA	NA	NA	NA	NA
	12/01/04	1.78	45	45	NA	NA	NA	NA	NA	NA
	03/01/05	0.88	35	165	NA	NA	NA	NA	NA	NA
	06/01/05	0.99	15	162	NA	NA	NA	NA	NA	NA
	09/01/05	0.79	30	-19	NA	NA	NA	NA	NA	NA
	12/05/05	1.61	80	274	NA	NA	NA	NA	NA	NA
	03/16/06	1.25	95	-78	NA	NA	NA	NA	NA	NA
MW-106	12/01/99	0.72	40	2	NA	<7.89	<100	7.9	0.61	NA
	03/01/00	0.77	30	105	48	<7.89	1,100	7.5	0.59	960
	06/01/00	0.55	30	215	36	<7.89	<100	7.3	0.58	270
	09/01/00	0.65	NA	160	NA	<7.89	<15	6.2	0.37	NA
	12/01/00	1.45	60	140	NA	NA	NA	NA	NA	NA
	03/01/01	1.28	30	125	NA	NA	NA	NA	NA	NA
	06/01/01	0.96	30	49	NA	NA	NA	NA	NA	NA
	09/04/01	0.30	25	40	NA	NA	NA	NA	NA	NA
	12/03/01	0.47	35	67	NA	NA	NA	NA	NA	NA
	03/01/02	0.55	30	152	NA	NA	NA	NA	NA	NA
	06/03/02	0.84	30	79	NA	NA	NA	NA	NA	NA
	09/03/02	0.47	35	94	NA	NA	NA	NA	NA	NA
	12/02/02	2.37	35	141	NA	NA	NA	NA	NA	NA
	03/03/03	0.80	30	218	NA	NA	NA	NA	NA	NA
	06/02/03	1.76	35	219	NA	NA	NA	NA	NA	NA

Table B-3
Historic Natural Attenuation Parameters
Blue Lake Belting & Leather Works, Blue Lake, California

Well Location	Sampling Date	DO[1] (ppm)[2]	DCO_2[3] (ppm)	ORP[4] (mV)[5]	Alkalinity (mg/L $CaCO_3$) [6]	Dissolved Methane (ug/L)[7]	Dissolved Iron (ug/L)	Sulfate (mg/L)[8]	Nitrate (mg/L)	Dissolved Manganese (ug/L)
MW-106 (cont'd)	09/02/03	1.91	30	145	NA	NA	NA	NA	NA	NA
	12/01/03	0.90	30	232	NA	NA	NA	NA	NA	NA
	03/01/04	1.46	15	254	NA	NA	NA	NA	NA	NA
	06/01/04	1.42	60	138	NA	NA	NA	NA	NA	NA
	09/02/04	1.25	25	113	NA	NA	NA	NA	NA	NA
	12/01/04	2.23	45	176	NA	NA	NA	NA	NA	NA
	03/01/05	1.43	30	68	NA	NA	NA	NA	NA	NA
	06/01/05	1.34	15	120	NA	NA	NA	NA	NA	NA
	09/01/05	0.92	20	167	NA	NA	NA	NA	NA	NA
	12/05/05	2.32	30	205	NA	NA	NA	NA	NA	NA
	03/16/06	1.26	200	186	NA	NA	NA	NA	NA	NA
MW-3	03/01/05	0.74	45	27	NA	NA	NA	NA	NA	NA
	06/01/05	0.73	30	4	NA	NA	NA	NA	NA	NA
	09/01/05	0.75	40	-48	NA	NA	NA	NA	NA	NA
	12/05/05	1.75	30	259	NA	NA	NA	NA	NA	NA
	03/17/06	1.27	25	-16	NA	NA	NA	NA	NA	NA

1. DO: Dissolved Oxygen, field measured using portable instrumentation
2. ppm: Measurement concentration, in parts per million
3. DCO_2: Dissolved Carbon Dioxide, field measured using a field test kit
4. ORP: Oxidation-Reduction Potential measured using portable instrumentation
5. mV: millivolts
6. mg/L $CaCO_3$: milligrams per Liter of Calcium Carbonate
7. ug/L: micrograms per Liter
8. mg/L: milligrams per Liter
9. NA: Not Measured or Not Available
10. <: Denotes a value that is "less than" the method detection limit

Table B-4
Ozone System
Blue Lake Belting & Leather Works, Blue Lake, California

Date	Total System Run Time[1] (hours)	Ozone Flow (scfh)[2]	Ozone Pressure (psi)[3]	Electric Meter (kWhr)[4]	SW-1 Flow (scfh)	SW-1 Pressure (psi)	SW-1 Field Data (hours)	SW-1 Field Data (minutes)	SW-1 Total Run Time[1] (hours)	SW-1 Programmed Run Time (hours:minutes)
12/21/04	2.87	8	9	0	1.3	8	0	39	0.65	0:00
12/31/04	221.55	5	13	397	1.0	20	0	39	0.65	0:00
01/07/05	389.45	5	12.5	520	NM	22	0	40	0.67	0:00
01/17/05	630.97	5	12.5	830	0.9	16	0	41	0.68	0:00
01/21/05	725.50	5	13	NM	0.9	10	0	43	0.72	0:00
01/28/05	893.18	5	13.5	1286	1.1	7	0	44	0.73	0:00
02/03/05	1,040.80	9.5	9.5	1381	1.1	7	0	49	0.82	0:05
03/01/05	1,655.88	9	8.5	2185	1.2	6.5	41	54	41.90	0:05
04/15/05	2,730.05	5	11	3536	1.2	5	113	27	113.45	0:05
05/12/05	3,365.88	5.5	11	4323	1.2	5	155	49	155.82	0:05
06/03/05	3,885.48	9	8.5	4968	1.2	5	190	31	190.52	0:05
07/08/05	4,724.43	4	12	5968	1.2	4	246	37	246.62	0:05
07/29/05	5,231.20	7	8	6511	1.2	6	280	29	280.48	0:05
08/18/05	5,707.80	9	7	6982	1.2	5	312	15	312.25	0:05
09/13/05	6,179.13	8	9	NM	1.2	6	343	51	343.85	0:05
10/28/05	7,256.35	9	5	8598	1.2	6	415	37	415.62	0:05
11/16/05	7,708.85	9	3.5	8928	1.2	9	445	54	445.90	0:05
12/19/05	8,210.28	9	9	9404	1.1	10	479	50	479.83	0:05
01/20/06	8,914.32	9	4	NM	1.1	9	526	46	526.77	0:05
02/01/06	9,056.77	9.5	10	10258	1.1	5	536	45	536.75	0:05
02/08/06	9,198.37	10	10	10431	1.2	5	1	45	547.75	0:05
02/10/06	9,241.85	9	12.5	NM	1.2	4	6	4	552.07	0:05
03/17/06	10,048.30	8.5	12	11450	1.0	4	102	27	648.45	0:05

1. Total run times are adjusted from the field data sheets to reflect approximate total run time. Solenoid timers roll over at approximately 546 hours.
2. scfh: standard cubic feet per hour
3. psi: pounds per square inch
4. kWhr: kilowatt hour

Table B-4
Ozone System
Blue Lake Belting & Leather Works, Blue Lake, California

	SW-2						SW-3					
Date	Flow (scfh)	Pressure (psi)	Field Data (hours)	Field Data (minutes)	Total Run Time[1] (hours)	Programmed Run Time (hours:minutes)	Flow (scfh)[2]	Pressure (psi)[3]	Field Data (hours)	Field Data (minutes)	Total Run Time[1] (hours)	Programmed Run Time (hours:minutes)
12/21/04	1.0	16		19	0.32	0:00	1.1	14		15	0.25	0:05
12/31/04	0.8	25		19	0.32	0:00	1.3	20	44	15	44.25	0:05
01/07/05	NM	30		20	0.33	0:00	NM	19	77	55	77.92	0:05
01/17/05	0.9	15		21	0.35	0:00	1.1	7	126	10	126.17	0:05
01/21/05	0.9	11		23	0.38	0:00	1.1	5	145	6	145.10	0:05
01/28/05	0.8	17		24	0.40	0:00	1.1	8	178	40	178.67	0:05
02/03/05	0.8	17		26	0.43	0:05	1.1	7	208	32	208.53	0:10
03/01/05	1.1	12	41	28	41.47	0:05	1.2	9	290	31	290.52	0:10
04/15/05	1.2	7	113	30	113.50	0:05	1.2	8	433	41	433.68	0:10
05/12/05	1.1	7	155	29	155.48	0:05	1.1	8	518	32	518.53	0:10
06/03/05	1.1	7.5	190	15	190.25	0:05	1.05	8	41	56	587.93	0:10
07/08/05	1.0	8	246	11	246.18	0:05	1.0	8	153	47	699.78	0:10
07/29/05	1.2	6	280	4	280.07	0:05	1.1	8	221	19	767.32	0:10
08/18/05	1.1	7	311	50	311.83	0:05	1.0	10	285	0	831.00	0:10
09/13/05	1.2	7	343	26	343.43	0:05	1.0	10	348	10	894.17	0:10
10/28/05	1.2	7	415	11	415.18	0:05	1.0	10	491	42	1037.70	0:10
11/16/05	1.1	11	445	27	445.45	0:05	1.1	10	6	7	1098.12	0:10
12/19/05	1.0	10	479	7	479.12	0:05	1.1	10	73	4	1165.07	0:10
01/20/06	1.1	11	526	3	526.05	0:05	1.1	10	166	58	1258.97	0:10
02/01/06	1.1	7	535	57	535.95	0:05	1.1	6	186	26	1278.43	0:10
02/08/06	1.1	7	0	43	546.72	0:05	1.1	6	208	16	1300.27	0:05
02/10/06	1.10	6	5	4	551.07	0:05	1.1	5	212	38	1304.63	0:05
03/17/06	0.95	5	101	8	647.13	0:05	1.0	4	282	44	1374.73	0:05

1. Total run times are adjusted from the field data sheets to reflect approximate total run time. Solenoid timers roll over at approximately 546 hours.
2. scfh: standard cubic feet per hour
3. psi: pounds per square inch

Table B-4
Ozone System
Blue Lake Belting & Leather Works, Blue Lake, California

	SW-4						SW-5					
Date	Flow (scfh)	Pressure (psi)	Field Data (hours)	Field Data (minutes)	Total Run Time[1] (hours)	Programmed Run Time (hours:minutes)	Flow (scfh)[2]	Pressure (psi)[3]	Field Data (hours)	Field Data (minutes)	Total Run Time (hours)	Programmed Run Time (hours:minutes)
12/21/04	1.1	12		16	0.27	0:05	1.1	14		14	0.23	0:05
12/31/04	1.1	20	44	6	44.10	0:05	1.2	20	43	56	43.93	0:05
01/07/05	NM	19	77	37	77.62	0:05	NM	19	77	27	77.45	0:05
01/17/05	1.1	8	125	59	125.98	0:05	1.1	8	125	48	125.80	0:05
01/21/05	1.1	7	144	51	144.85	0:05	1.1	9	144	39	144.65	0:05
01/28/05	1.1	8	178	22	178.37	0:05	1.1	9	178	10	178.17	0:05
02/03/05	1.1	7	207	47	207.78	0:10	1.1	9	207	31	207.52	0:10
03/01/05	1.1	9	289	38	289.63	0:10	1.1	10	289	34	289.57	0:10
04/15/05	1.1	7	432	58	432.97	0:10	1.2	8	432	44	432.73	0:10
05/12/05	1.1	7	517	49	517.82	0:10	1.1	7	517	35	517.58	0:10
06/03/05	1.1	7	41	7	587.12	0:10	1.2	4.5	40	49	586.82	0:10
07/08/05	1.0	7	152	58	698.97	0:10	1.2	4	152	40	698.67	0:10
07/29/05	1.1	8	220	30	766.50	0:10	1.2	7	220	12	766.20	0:10
08/18/05	1.1	9	284	8	830.13	0:10	1.1	8	283	42	829.70	0:10
09/13/05	1.1	8.25	347	1	893.02	0:10	1.1	8	346	33	892.55	0:10
10/28/05	1.1	9	490	43	1036.72	0:10	1.1	9	490	40	1036.67	0:10
11/16/05	1.1	10	5	6	1097.10	0:10	1.1	10	4	31	1096.52	0:10
12/19/05	1.0	11	71	57	1163.95	0:10	1.0	11	71	22	1163.37	0:10
01/20/06	1.0	11	165	47	1257.78	0:10	1.1	11	165	13	1257.22	0:10
02/01/06	1.1	7	184	44	1276.73	0:10	1.1	6	184	0	1276.00	0:10
02/08/06	1.1	6	206	27	1298.45	0:05	1.0	8	205	34	1297.57	0:05
02/10/06	1.10	6	210	52	1302.87	0:05	0.95	10	209	59	1301.98	0:05
03/17/06	0.95	5	306	43	1398.72	0:05	0.90	5	259	34	1351.57	0:05

1. Total run times are adjusted from the field data sheets to reflect approximate total run time. Solenoid timers roll over at approximately 546 hours.
2. scfh: standard cubic feet per hour
3. psi: pounds per square inch

Table B-4
Ozone System
Blue Lake Belting & Leather Works, Blue Lake, California

	SW-6						SW-7					
Date	Flow (scfh)	Pressure (psi)	Field Data (hours)	Field Data (minutes)	Total Run Time (hours)	Programmed Run Time (hours:minutes)	Flow (scfh)[2]	Pressure (psi)[3]	Field Data (hours)	Field Data (minutes)	Total Run Time (hours)	Programmed Run Time (hours:minutes)
12/21/04	1.0	16		11	0.18	0:05	0.9	18		9	0.15	0:00
12/31/04	1.2	20	43	42	43.70	0:05	0.9	22		9	0.15	0:00
01/07/05	NM	19	77	18	77.30	0:05	NM	21		10	0.17	0:00
01/17/05	1.1	8	125	35	125.58	0:05	0.9	15		11	0.18	0:00
01/21/05	1.1	8	144	30	144.50	0:05	0.9	16		12	0.20	0:00
01/28/05	1.1	9	178	1	178.02	0:05	0.9	15		13	0.22	0:00
02/03/05	1.1	9	207	22	207.37	0:10	0.9	17		15	0.25	0:05
03/01/05	1.1	11	289	22	289.37	0:10	1.0	14	41	16	41.27	0:05
04/15/05	1.0	10	432	32	432.53	0:10	1.1	8	112	51	112.85	0:05
05/12/05	0.9	10	517	23	517.38	0:10	1.1	8	155	17	155.28	0:05
06/03/05	1.0	10	40	35	586.58	0:10	1.1	7.5	189	53	189.88	0:05
07/08/05	1.0	9	152	28	698.47	0:10	1.0	8	245	51	245.85	0:05
07/29/05	1.1	9	220	0	766.00	0:10	1.0	11	279	38	279.63	0:05
08/18/05	0.9	11	283	28	829.47	0:10	0.9	11	311	24	311.40	0:05
09/13/05	1.0	9.75	346	14	892.23	0:10	1.1	10	342	45	342.75	0:05
10/28/05	1.0	14	489	44	1035.73	0:10	1.0	12	414	31	414.52	0:05
11/16/05	1.00	14	4	10	1096.17	0:10	1.1	11	444	46	444.77	0:05
12/19/05	0.85	14	70	37	1162.62	0:10	1.0	12	478	7	478.12	0:05
01/20/06	0.95	12	164	48	1256.80	0:10	1.0	12	525	3	525.05	0:05
02/01/06	1.0	9	183	31	1275.52	0:10	1.1	7	534	23	534.38	0:05
02/08/06	1.1	7	205	11	1297.18	0:05	1.0	8	545	23	545.38	0:05
02/10/06	1.0	10	209	35	1301.58	0:05	1.0	9	3	36	549.60	0:05
03/17/06	0.95	5	259	36	1351.60	0:05	0.85	6	99	38	645.63	0:05

1. Total run times are adjusted from the field data sheets to reflect approximate total run time. Solenoid timers roll over at approximately 546 hours.
2. scfh: standard cubic feet per hour
3. psi: pounds per square inch

Table B-4
Ozone System
Blue Lake Belting & Leather Works, Blue Lake, California

	SW-8						SW-9					
Date	Flow (scfh)	Pressure (psi)	Field Data (hours)	Field Data (minutes)	Total Run Time[1] (hours)	Programmed Run Time (hours:minutes)	Flow (scfh)[2]	Pressure (psi)[3]	Field Data (hours)	Field Data (minutes)	Total Run Time[1] (hours)	Programmed Run Time (hours:minutes)
12/21/04	1.1	15		16	0.27	0:00	1.3	7		12	0.20	0:00
12/31/04	0.8	23		16	0.27	0:00	1.2	20		12	0.20	0:00
01/07/05	NM	21		17	0.28	0:00	NM	15		13	0.22	0:00
01/17/05	0.8	16		18	0.30	0:00	1.1	6		14	0.23	0:00
01/21/05	0.9	16		19	0.32	0:00	1.1	6		15	0.25	0:00
01/28/05	1.1	10		20	0.33	0:00	1.2	7		16	0.27	0:00
02/03/05	1.0	14		22	0.37	0:05	1.0	6		18	0.30	0:05
03/01/05	1.0	13	41	23	41.38	0:05	1.2	8	41	18	41.30	0:05
04/15/05	1.3	2.25	112	58	112.97	0:05	1.2	6	112	53	112.88	0:05
05/12/05	1.3	3	155	19	155.32	0:05	1.1	6	155	19	155.32	0:05
06/03/05	1.2	3	190	0	190.00	0:05	1.1	6	189	55	189.92	0:05
07/08/05	1.3	3	245	56	245.93	0:05	1.2	4	245	51	245.85	0:05
07/29/05	1.3	4	279	43	279.72	0:05	1.2	6	279	38	279.63	0:05
08/18/05	1.2	5	311	28	311.47	0:05	1.1	7	311	26	311.43	0:05
09/13/05	1.2	6	342	48	342.80	0:05	1.1	8	342	42	342.70	0:05
10/28/05	1.2	6	414	35	414.58	0:05	1.1	8	414	28	414.47	0:05
11/16/05	1.2	6	444	48	444.80	0:05	1.2	8	444	39	444.65	0:05
12/19/05	1.2	6	478	9	478.15	0:05	1.1	9	478	0	478.00	0:05
01/20/06	1.2	6	525	5	525.08	0:05	1.15	8	524	52	524.87	0:05
02/01/06	1.4	2	534	27	534.45	0:00	1.3	3	534	9	534.15	0:00
02/08/06	1.0	10	534	31	534.52	0:05	1.1	6	534	13	534.22	0:05
02/10/06	1.0	10	538	51	538.85	0:05	1.1	6	538	33	538.55	0:05
03/17/06	0.85	5	88	20	634.33	0:05	0.95	5	88	7	634.12	0:05

1. Total run times are adjusted from the field data sheets to reflect approximate total run time. Solenoid timers roll over at approximately 546 hours.
2. scfh: standard cubic feet per hour
3. psi: pounds per square inch

Table B-4
Ozone System
Blue Lake Belting & Leather Works, Blue Lake, California

Date	SW-10 Flow (scfh)	Pressure (psi)	Field Data (hours)	Field Data (minutes)	Total Run Time[1] (hours)	Programmed Run Time (hours:minutes)
12/21/04	1.1	15		21	0.35	0:05
12/31/04	1.2	20	43	59	43.98	0:05
01/07/05	NM	15	77	30	77.50	0:05
01/17/05	1.1	6	125	41	125.68	0:05
01/21/05	1.1	6	144	32	144.53	0:05
01/28/05	1.1	6	178	1	178.02	0:05
02/03/05	1.1	8	207	26	207.43	0:10
03/01/05	1.1	12	289	29	289.48	0:10
04/15/05	1.2	7	432	29	432.48	0:10
05/12/05	1.1	8	517	21	517.35	0:10
06/03/05	1.0	7.5	40	28	586.47	0:10
07/08/05	1.0	8	152	7	698.12	0:10
07/29/05	1.1	8	219	39	765.65	0:10
08/18/05	1.1	9	283	7	829.12	0:10
09/13/05	1.1	8	345	38	891.63	0:10
10/28/05	1.1	9	489	10	1035.17	0:10
11/16/05	1.0	11	3	23	1095.38	0:10
12/19/05	1.0	11	70	4	1162.07	0:10
01/20/06	1.05	10	163	44	1255.73	0:10
02/01/06	1.1	7	182	24	1274.40	0:10
02/08/06	1.1	6	204	19	1296.32	0:05
02/10/06	1.1	6	208	39	1300.65	0:05
03/17/06	0.95	5	270	1	1362.02	0:05

1. Total run times are adjusted from the field data sheets to reflect approximate total run time. Solenoid timers roll over at approximately 546 hours.
2. scfh: standard cubic feet per hour
3. psi: pounds per square inch

Appendix C

Laboratory Analytical Reports

NORTH COAST LABORATORIES LTD.

April 12, 2006

SHN Consulting Engineers and Geologists
812 West Wabash Avenue
Eureka, CA 95501

Order No.: 0603471
Invoice No.: 57119
PO No.:
ELAP No. 1247-Expires July 2006

Attn: Mike Foget

RE: 097309 Blue Lake Belting and Leather

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	MW-106
02A	MW-101
03A	MW-102
04A	MW-105
05A	MW-103
06A	MW-3
07A	MW-104

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

REPORT CERTIFIED BY

Colleen Blackstone

Laboratory Supervisor(s) QA Unit

Jesse G. Chaney, Jr.
Laboratory Director

5680 West End Road • Arcata California 95521-9202 • 707-822-4649 • FAX 707-822-6831

Printed on Recycled Paper

North Coast Laboratories, Ltd. **Date:** *12-Apr-06*

CLIENT: SHN Consulting Engineers and Geologists
Project: 097309 Blue Lake Belting and Leather
Lab Order: 0603471

CASE NARRATIVE

THIS IS AN AMENDED REPORT

TPH as Gasoline:
Samples MW-105, MW-103, MW-3 and MW-104 appear to be similar to gasoline but certain peak ratios are not that of a fresh gasoline standard. The reported results represent the amount of material in the gasoline range.

BTEX:
Sample MW-105 was diluted and the reporting limits for toluene was raised additionally due to matrix interference.

The surrogate recovery for sample MW-106 was below the lower acceptance limit. The response of the reporting limit standard was such that the analytes would have been detected even with the low recovery; therefore, the data were accepted.

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831
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Date: 12-Apr-06
WorkOrder: 0603471

ANALYTICAL REPORT

Client Sample ID: MW-106 **Received:** 3/17/06 **Collected:** 3/16/06 13:25
Lab ID: 0603471-01A

Test Name: BTEX **Reference:** EPA 5030/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Benzene	0.85	0.50	µg/L	1.0		3/23/06
Toluene	0.58	0.50	µg/L	1.0		3/23/06
Ethylbenzene	ND	0.50	µg/L	1.0		3/23/06
m,p-Xylene	ND	0.50	µg/L	1.0		3/23/06
o-Xylene	ND	0.50	µg/L	1.0		3/23/06
Surrogate: Cis-1,2-Dichloroethylene	83.8	85-115	% Rec	1.0		3/23/06

Test Name: TPH as Gasoline **Reference:** EPA 5030/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	ND	50	µg/L	1.0		3/23/06

Client Sample ID: MW-101 **Received:** 3/17/06 **Collected:** 3/16/06 14:10
Lab ID: 0603471-02A

Test Name: BTEX **Reference:** EPA 5030/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Benzene	ND	0.50	µg/L	1.0		3/23/06
Toluene	ND	0.50	µg/L	1.0		3/23/06
Ethylbenzene	ND	0.50	µg/L	1.0		3/23/06
m,p-Xylene	ND	0.50	µg/L	1.0		3/23/06
o-Xylene	ND	0.50	µg/L	1.0		3/23/06
Surrogate: Cis-1,2-Dichloroethylene	96.2	85-115	% Rec	1.0		3/23/06

Test Name: TPH as Gasoline **Reference:** EPA 5030/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	ND	50	µg/L	1.0		3/23/06

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Date: 12-Apr-06
WorkOrder: 0603471

ANALYTICAL REPORT

Client Sample ID: MW-102 **Received:** 3/17/06 **Collected:** 3/16/06 14:45
Lab ID: 0603471-03A

Test Name: BTEX **Reference:** EPA 5030/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Benzene	ND	0.50	µg/L	1.0		3/23/06
Toluene	ND	0.50	µg/L	1.0		3/23/06
Ethylbenzene	ND	0.50	µg/L	1.0		3/23/06
m,p-Xylene	ND	0.50	µg/L	1.0		3/23/06
o-Xylene	ND	0.50	µg/L	1.0		3/23/06
Surrogate: Cis-1,2-Dichloroethylene	86.5	85-115	% Rec	1.0		3/23/06

Test Name: TPH as Gasoline **Reference:** EPA 5030/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	ND	50	µg/L	1.0		3/23/06

Client Sample ID: MW-105 **Received:** 3/17/06 **Collected:** 3/16/06 15:25
Lab ID: 0603471-04A

Test Name: BTEX **Reference:** EPA 5030/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Benzene	3.5	0.50	µg/L	1.0		3/23/06
Toluene	ND	60	µg/L	20		3/23/06
Ethylbenzene	6.7	0.50	µg/L	1.0		3/23/06
m,p-Xylene	2.3	0.50	µg/L	1.0		3/23/06
o-Xylene	1.0	0.50	µg/L	1.0		3/23/06
Surrogate: Cis-1,2-Dichloroethylene	98.9	85-115	% Rec	20		3/23/06

Test Name: TPH as Gasoline **Reference:** EPA 5030/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	1,800	50	µg/L	1.0		3/23/06

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Date: 12-Apr-06
WorkOrder: 0603471

ANALYTICAL REPORT

Client Sample ID: MW-103 **Received:** 3/17/06 **Collected:** 3/16/06 16:05
Lab ID: 0603471-05A

Test Name: BTEX **Reference:** EPA 5030/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Benzene	23	5.0	µg/L	10		3/23/06
Toluene	26	5.0	µg/L	10		3/23/06
Ethylbenzene	36	5.0	µg/L	10		3/23/06
m,p-Xylene	21	5.0	µg/L	10		3/23/06
o-Xylene	9.1	5.0	µg/L	10		3/23/06
Surrogate: Cis-1,2-Dichloroethylene	111	85-115	% Rec	10		3/23/06

Test Name: TPH as Gasoline **Reference:** EPA 5030/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	2,600	500	µg/L	10		3/23/06

Client Sample ID: MW-3 **Received:** 3/17/06 **Collected:** 3/17/06 9:55
Lab ID: 0603471-06A

Test Name: BTEX **Reference:** EPA 5030/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Benzene	49	5.0	µg/L	10		3/24/06
Toluene	250	50	µg/L	100		3/23/06
Ethylbenzene	140	50	µg/L	100		3/23/06
m,p-Xylene	360	50	µg/L	100		3/23/06
o-Xylene	120	50	µg/L	100		3/23/06
Surrogate: Cis-1,2-Dichloroethylene	101	85-115	% Rec	100		3/23/06

Test Name: TPH as Gasoline **Reference:** EPA 5030/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	6,500	500	µg/L	10		3/24/06

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Date: 12-Apr-06
WorkOrder: 0603471

ANALYTICAL REPORT

Client Sample ID: MW-104 **Received:** 3/17/06 **Collected:** 3/17/06 10:35
Lab ID: 0603471-07A

Test Name: BTEX **Reference:** EPA 5030/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Benzene	43	5.0	µg/L	10		3/23/06
Toluene	75	5.0	µg/L	10		3/23/06
Ethylbenzene	130	50	µg/L	100		3/23/06
m,p-Xylene	230	50	µg/L	100		3/23/06
o-Xylene	37	5.0	µg/L	10		3/23/06
Surrogate: Cis-1,2-Dichloroethylene	107	85-115	% Rec	100		3/23/06

Test Name: TPH as Gasoline **Reference:** EPA 5030/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	7,400	500	µg/L	10		3/23/06

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North Coast Laboratories, Ltd.

Date: 12-Apr-06

CLIENT: SHN Consulting Engineers and Geologists
Work Order: 0603471
Project: 097309 Blue Lake Belting and Leather

QC SUMMARY REPORT

Method Blank

Sample ID **MB-3/22/06** Batch ID: **R40465** Test Code: **BTXEW** Units: **µg/L** Analysis Date **3/23/06 3:58:09 AM** Prep Date
Client ID: Run ID: **ORGC8_060322C** SeqNo: **581393**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.50									
Toluene	ND	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	0.50									
o-Xylene	ND	0.50									
Cis-1,2-Dichloroethylene	0.944	0.10	1.00	0	94.4%	85	115	0			

Sample ID **MB-3/22/06** Batch ID: **R40463** Test Code: **TPHCGW** Units: **µg/L** Analysis Date **3/23/06 3:58:09 AM** Prep Date
Client ID: Run ID: **ORGC8_060322B** SeqNo: **581343**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gas (C6-C14)	ND	50									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 12-Apr-06

CLIENT: SHN Consulting Engineers and Geologists
Work Order: 0603471
Project: 097309 Blue Lake Belting and Leather

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-06185** Batch ID: **R40465** Test Code: **BTXEW** Units: **µg/L** Analysis Date **3/22/06 11:56:11 PM** Prep Date
Client ID: Run ID: **ORGC8_060322C** SeqNo: **581390**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	4.782	0.50	5.00	0	95.6%	85	115	0			
Toluene	5.049	0.50	5.00	0	101%	85	115	0			
Ethylbenzene	5.004	0.50	5.00	0	100%	85	115	0			
m,p-Xylene	10.08	0.50	10.0	0	101%	85	115	0			
o-Xylene	5.140	0.50	5.00	0	103%	85	115	0			
Cis-1,2-Dichloroethylene	1.08	0.10	1.00	0	107%	85	115	0			

Sample ID **LCSD-06185** Batch ID: **R40465** Test Code: **BTXEW** Units: **µg/L** Analysis Date **3/23/06 12:30:49 AM** Prep Date
Client ID: Run ID: **ORGC8_060322C** SeqNo: **581391**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	4.687	0.50	5.00	0	93.7%	85	115	4.78	2.00%	15	
Toluene	4.857	0.50	5.00	0	97.1%	85	115	5.05	3.89%	15	
Ethylbenzene	4.901	0.50	5.00	0	98.0%	85	115	5.00	2.10%	15	
m,p-Xylene	9.892	0.50	10.0	0	98.9%	85	115	10.1	1.88%	15	
o-Xylene	5.048	0.50	5.00	0	101%	85	115	5.14	1.80%	15	
Cis-1,2-Dichloroethylene	1.15	0.10	1.00	0	115%	85	115	1.08	6.55%	15	

Sample ID **LCS-06186** Batch ID: **R40463** Test Code: **TPHCGW** Units: **µg/L** Analysis Date **3/23/06 1:40:05 AM** Prep Date
Client ID: Run ID: **ORGC8_060322B** SeqNo: **581340**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gas (C6-C14)	510.8	50	500	0	102%	85	115	0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SHN Consulting Engineers and Geologists
Work Order: 0603471
Project: 097309 Blue Lake Belting and Leather

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID **LCSD-06186** Batch ID: **R40463** Test Code: **TPHCGW** Units: **µg/L** Analysis Date **3/23/06 2:14:37 AM** Prep Date

Client ID: Run ID: **ORGC8_060322B** SeqNo: **581341**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gas (C6-C14)	502.0	50	500	0	100%	85	115	511	1.75%	15	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

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Chain of Custody

#0603471

LABORATORY NUMBER:

Attention: Mike Foget
Results & Invoice to: SHN
Address: 812 West Wabash Avenue
Eureka, CA 95501
Phone: 441-8855
Copies of Report to:
Sampler (Sign & Print) Dusti Sillitt

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☑ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By: __/__/__
Final Report: FAX ☐ Verbal ☐ By: __/__/__

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

PROJECT INFORMATION
Project Number: 097309
Project Name: Blue lake Belting + leather
Purchase Order Number:

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	CONTAINER	PRESERVATIVE	ANALYSIS
	MW-106	3/16/06	1325	GW	9	b	TPHG/BTEX
	MW-101		1410				
	MW-102		1445				
	MW-105		1525				
	MW-103		1605				
	MW-3	3/17/06	0955				
	MW-104		1035				

SAMPLE CONDITION/SPECIAL INSTRUCTIONS
EDF
cold intact

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
Dusti Sillitt	3/17/06 1120	Kelley Thompson	3/17/06 1120

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

NORTH COAST LABORATORIES LTD.

April 17, 2006

Pvt. cust. paying on pickup

,

Attn: Pat Folkins

RE: 3888.01 Blue Lake Market

Order No.: 0603777
Invoice No.: 57622
PO No.: 3035
ELAP No. 1247-Expires July 2006

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	3888-MW1-W
02A	3888-MW-2-W
03A	3888-MW-4-W
04A	3888-MW-5-W
05A	3888-QCTB-W

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

REPORT CERTIFIED BY

Callum Blackstone — Laboratory Supervisor(s)

T. Sherman — QA Unit

Jesse G. Chaney, Jr.
Laboratory Director

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North Coast Laboratories, Ltd.

Date: *17-Apr-06*

CLIENT: Pvt. cust. paying on pickup
Project: 3888.01 Blue Lake Market
Lab Order: 0603777

CASE NARRATIVE

Gasoline Components/Additives:
Samples 3888-MW-4-W and 3888-MW-5-W appear to be similar to gasoline but certain peak ratios are not that of a fresh gasoline standard. The reported results represent the amount of material in the gasoline range.

The gasoline values for samples 3888-MW-1-W and 3888-MW-2-W include the reported gasoline components and additives in addition to other peaks in the gasoline range.

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Date: 17-Apr-06
WorkOrder: 0603777

ANALYTICAL REPORT

Client Sample ID: 3888-MW1-W **Received:** 3/30/06 **Collected:** 3/30/06 0:00
Lab ID: 0603777-01A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1.0		4/13/06
Benzene	9.3	0.50	µg/L	1.0		4/13/06
Toluene	1.6	0.50	µg/L	1.0		4/13/06
Ethylbenzene	4.1	0.50	µg/L	1.0		4/13/06
m,p-Xylene	3.2	0.50	µg/L	1.0		4/13/06
o-Xylene	0.64	0.50	µg/L	1.0		4/13/06
Surrogate: 1,4-Dichlorobenzene-d4	88.7	80.8-139	% Rec	1.0		4/13/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	1,900	50	µg/L	1.0		4/13/06

Client Sample ID: 3888-MW-2-W **Received:** 3/30/06 **Collected:** 3/30/06 0:00
Lab ID: 0603777-02A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1.0		4/13/06
Benzene	0.69	0.50	µg/L	1.0		4/13/06
Toluene	ND	0.50	µg/L	1.0		4/13/06
Ethylbenzene	8.0	0.50	µg/L	1.0		4/13/06
m,p-Xylene	15	0.50	µg/L	1.0		4/13/06
o-Xylene	2.1	0.50	µg/L	1.0		4/13/06
Surrogate: 1,4-Dichlorobenzene-d4	96.1	80.8-139	% Rec	1.0		4/13/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	1,200	50	µg/L	1.0		4/13/06

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Date: 17-Apr-06
WorkOrder: 0603777

ANALYTICAL REPORT

Client Sample ID: 3888-MW-4-W **Received:** 3/30/06 **Collected:** 3/30/06 0:00
Lab ID: 0603777-03A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1.0		4/13/06
Benzene	19	0.50	µg/L	1.0		4/13/06
Toluene	4.5	0.50	µg/L	1.0		4/13/06
Ethylbenzene	50	0.50	µg/L	1.0		4/13/06
m,p-Xylene	58	0.50	µg/L	1.0		4/13/06
o-Xylene	5.1	0.50	µg/L	1.0		4/13/06
Surrogate: 1,4-Dichlorobenzene-d4	93.1	80.8-139	% Rec	1.0		4/13/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	1,300	50	µg/L	1.0		4/13/06

Client Sample ID: 3888-MW-5-W **Received:** 3/30/06 **Collected:** 3/30/06 0:00
Lab ID: 0603777-04A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1.0		4/13/06
Benzene	110	25	µg/L	50		4/13/06
Toluene	22	0.50	µg/L	1.0		4/13/06
Ethylbenzene	97	25	µg/L	50		4/13/06
m,p-Xylene	140	0.50	µg/L	1.0		4/13/06
o-Xylene	14	0.50	µg/L	1.0		4/13/06
Surrogate: 1,4-Dichlorobenzene-d4	91.1	80.8-139	% Rec	1.0		4/13/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	3,700	50	µg/L	1.0		4/13/06

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Date: 17-Apr-06
WorkOrder: 0603777

ANALYTICAL REPORT

Client Sample ID: 3888-QCTB-W **Received:** 3/30/06 **Collected:** 3/30/06 0:00
Lab ID: 0603777-05A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1.0		4/13/06
Benzene	ND	0.50	µg/L	1.0		4/13/06
Toluene	ND	0.50	µg/L	1.0		4/13/06
Ethylbenzene	ND	0.50	µg/L	1.0		4/13/06
m,p-Xylene	ND	0.50	µg/L	1.0		4/13/06
o-Xylene	ND	0.50	µg/L	1.0		4/13/06
Surrogate: 1,4-Dichlorobenzene-d4	98.6	80.8-139	% Rec	1.0		4/13/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	50	µg/L	1.0		4/13/06

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North Coast Laboratories, Ltd.

Date: 17-Apr-06

CLIENT: Pvt. cust. paying on pickup
Work Order: 0603777
Project: 3888.01 Blue Lake Market

QC SUMMARY REPORT

Method Blank

Sample ID **MB-4/12/06** Batch ID: **R40806** Test Code: **8260OXYW** Units: **µg/L** Analysis Date **4/13/06 1:22:00 AM** Prep Date
Client ID: Run ID: **ORGCMS3_060412A** SeqNo: **586131**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	1.0									
Benzene	ND	0.50									
Toluene	0.08988	0.50									J
Ethylbenzene	ND	0.50									
m,p-Xylene	0.3296	0.50									J
o-Xylene	ND	0.50									
1,4-Dichlorobenzene-d4	0.969	0.10	1.00	0	96.9%	81	139	0			

Sample ID **MB-4/12/06** Batch ID: **R40811** Test Code: **GASW-MS** Units: **µg/L** Analysis Date **4/13/06 1:22:00 AM** Prep Date
Client ID: Run ID: **ORGCMS3_060412B** SeqNo: **586226**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	28.07	50									J

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 17-Apr-06

CLIENT: Pvt. cust. paying on pickup
Work Order: 0603777
Project: 3888.01 Blue Lake Market

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-06227** Batch ID: **R40806** Test Code: **8260OXYW** Units: **µg/L** Analysis Date **4/12/06 11:40:00 AM** Prep Date
Client ID: Run ID: **ORGCMS3_060412A** SeqNo: **586130**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	18.42	1.0	20.0	0	92.1%	80	120	0			
Benzene	19.44	0.50	20.0	0	97.2%	78	117	0			
Toluene	19.96	0.50	20.0	0	99.8%	80	120	0			
Ethylbenzene	19.33	0.50	20.0	0	96.7%	80	120	0			
m,p-Xylene	40.11	0.50	40.0	0	100%	80	120	0			
o-Xylene	21.18	0.50	20.0	0	106%	80	120	0			
1,4-Dichlorobenzene-d4	1.00	0.10	1.00	0	100%	81	139	0			

Sample ID **LCSD-06227** Batch ID: **R40806** Test Code: **8260OXYW** Units: **µg/L** Analysis Date **4/13/06 6:03:00 AM** Prep Date
Client ID: Run ID: **ORGCMS3_060412A** SeqNo: **586141**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	17.20	1.0	20.0	0	86.0%	80	120	18.4	6.87%	20	
Benzene	19.29	0.50	20.0	0	96.4%	78	117	19.4	0.800%	20	
Toluene	20.20	0.50	20.0	0	101%	80	120	20.0	1.21%	20	
Ethylbenzene	19.04	0.50	20.0	0	95.2%	80	120	19.3	1.54%	20	
m,p-Xylene	39.71	0.50	40.0	0	99.3%	80	120	40.1	0.999%	20	
o-Xylene	20.18	0.50	20.0	0	101%	80	120	21.2	4.84%	20	
1,4-Dichlorobenzene-d4	1.04	0.10	1.00	0	104%	81	139	1.00	3.56%	20	

Sample ID **LCS-06228** Batch ID: **R40811** Test Code: **GASW-MS** Units: **µg/L** Analysis Date **4/13/06 12:31:00 PM** Prep Date
Client ID: Run ID: **ORGCMS3_060412B** SeqNo: **586225**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	973.6	50	1,000	0	97.4%	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Pvt. cust. paying on pickup
Work Order: 0603777
Project: 3888.01 Blue Lake Market

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID **LCSD-06228** Batch ID: **R40811** Test Code: **GASW-MS** Units: **µg/L** Analysis Date **4/13/06 6:28:00 AM** Prep Date

Client ID: Run ID: **ORGCMS3_060412B** SeqNo: **586234**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	948.8	50	1,000	0	94.9%	80	120	974	2.58%	20	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

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707-822-4649 Fax 707-822-6831

Chain of Custody

#0603777

LABORATORY NUMBER:

Attention: PAT FOLKINS
Results & Invoice to:
Address: 2020 ARDAGH COURT
EUREKA, CA 95503
Phone:
Copies of Report to: Christine Manhart-LACO
Sampler (Sign & Print): RLD

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☑ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☑ Verbal ☐ By:
Final Report: FAX ☐ Verbal ☐ By:

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

PROJECT INFORMATION

Project Number: 3888.01
Project Name: BLUE LAKE MARKET
Purchase Order Number: task 3035

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	ANALYSIS	CONTAINER	PRESERVATIVE
	3888-MW1-W	3-30-06	AM	GW	TPHg/BTEX	9	b
	3888-MW2-W	↓	↑	↓			
	3888-MW4-W		↓				
	3888-MW5-W						
	3888-QCTB-W	↓	PM	↓			
					3		
					3		
					3		
					3		
					1		

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

GEOTRACKER

cold, in fact

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
	3/30/06		3/30/06 1445

SAMPLE DISPOSAL
☑ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

NORTH COAST LABORATORIES LTD.

April 18, 2006

Pvt. cust. paying on pickup

,

Attn: Pat Folkins

RE: 3888.02, BLUE LAKE MARKET

Order No.: 0604104
Invoice No.: 57659
PO No.: TASK 3035
ELAP No. 1247-Expires July 2006

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	3888-MW6-W
02A	3888-QCTB-W

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

REPORT CERTIFIED BY

Collen Blackstone
Laboratory Supervisor(s)

QA Unit

Jesse G. Chaney, Jr.
Laboratory Director

5680 West End Road • Arcata California 95521-9202 • 707-822-4649 • FAX 707-822-6831

Printed on Recycled Paper

North Coast Laboratories, Ltd. **Date:** *20-Apr-06*

CLIENT: Pvt. cust. paying on pickup
Project: 3888.02, BLUE LAKE MARKET
Lab Order: 0604104

CASE NARRATIVE

BTEX:
The relative percent difference (RPD) for the laboratory control samples was above the acceptance limit for the surrogate, cis-1,2-dichloroethylene. This indicates that the results could be variable. Since there were no detectable levels of analytes in the samples, the data were accepted.

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Date: 20-Apr-06
WorkOrder: 0604104

ANALYTICAL REPORT

Client Sample ID: 3888-MW6-W **Received:** 4/6/06 **Collected:** 4/4/06 0:00
Lab ID: 0604104-01A

Test Name: BTEX **Reference:** EPA 5030/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
MTBE	ND	3.0	µg/L	1.0		4/17/06
Benzene	ND	0.50	µg/L	1.0		4/17/06
Toluene	ND	0.50	µg/L	1.0		4/17/06
Ethylbenzene	ND	0.50	µg/L	1.0		4/17/06
m,p-Xylene	ND	0.50	µg/L	1.0		4/17/06
o-Xylene	ND	0.50	µg/L	1.0		4/17/06
Surrogate: Cis-1,2-Dichloroethylene	101	85-115	% Rec	1.0		4/17/06

Test Name: TPH as Gasoline **Reference:** EPA 5030/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	ND	50	µg/L	1.0		4/17/06

Client Sample ID: 3888-QCTB-W **Received:** 4/6/06 **Collected:** 4/4/06 0:00
Lab ID: 0604104-02A

Test Name: BTEX **Reference:** EPA 5030/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
MTBE	ND	3.0	µg/L	1.0		4/16/06
Benzene	ND	0.50	µg/L	1.0		4/16/06
Toluene	ND	0.50	µg/L	1.0		4/16/06
Ethylbenzene	ND	0.50	µg/L	1.0		4/16/06
m,p-Xylene	ND	0.50	µg/L	1.0		4/16/06
o-Xylene	ND	0.50	µg/L	1.0		4/16/06
Surrogate: Cis-1,2-Dichloroethylene	89.7	85-115	% Rec	1.0		4/16/06

Test Name: TPH as Gasoline **Reference:** EPA 5030/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	ND	50	µg/L	1.0		4/16/06

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Printed on Recycled Paper

North Coast Laboratories, Ltd.

Date: 18-Apr-06

CLIENT: Pvt. cust. paying on pickup
Work Order: 0604104
Project: 3888.02, BLUE LAKE MARKET

QC SUMMARY REPORT

Method Blank

Sample ID **MB-4/16/06** Batch ID: **R40840** Test Code: **BTXEW** Units: **µg/L** Analysis Date **4/16/06 5:26:16 PM** Prep Date
Client ID: Run ID: **ORGC8_060416B** SeqNo: **586642**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	ND	3.0									
Benzene	ND	0.50									
Toluene	0.09431	0.50									J
Ethylbenzene	ND	0.50									
m,p-Xylene	0.1996	0.50									J
o-Xylene	ND	0.50									
Cis-1,2-Dichloroethylene	0.890	0.10	1.00	0	89.0%	85	115	0			

Sample ID **MB-4/16/06** Batch ID: **R40839** Test Code: **TPHCGW** Units: **µg/L** Analysis Date **4/16/06 5:26:16 PM** Prep Date
Client ID: Run ID: **ORGC8_060416A** SeqNo: **586618**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gas (C6-C14)	ND	50									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 18-Apr-06

CLIENT: Pvt. cust. paying on pickup
Work Order: 0604104
Project: 3888.02, BLUE LAKE MARKET

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-06233** Batch ID: **R40840** Test Code: **BTXEW** Units: **µg/L** Analysis Date **4/16/06 2:32:45 PM** Prep Date
Client ID: Run ID: **ORGC8_060416B** SeqNo: **586640**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	39.87	3.0	40.0	0	99.7%	85	115	0			
Benzene	4.893	0.50	5.00	0	97.9%	85	115	0			
Toluene	4.949	0.50	5.00	0	99.0%	85	115	0			
Ethylbenzene	5.012	0.50	5.00	0	100%	85	115	0			
m,p-Xylene	10.04	0.50	10.0	0	100%	85	115	0			
o-Xylene	4.946	0.50	5.00	0	98.9%	85	115	0			
Cis-1,2-Dichloroethylene	1.14	0.10	1.00	0	114%	85	115	0			

Sample ID **LCSD-06233** Batch ID: **R40840** Test Code: **BTXEW** Units: **µg/L** Analysis Date **4/16/06 3:07:47 PM** Prep Date
Client ID: Run ID: **ORGC8_060416B** SeqNo: **586641**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	42.44	3.0	40.0	0	106%	85	115	39.9	6.25%	15	
Benzene	4.960	0.50	5.00	0	99.2%	85	115	4.89	1.37%	15	
Toluene	5.009	0.50	5.00	0	100%	85	115	4.95	1.19%	15	
Ethylbenzene	5.052	0.50	5.00	0	101%	85	115	5.01	0.786%	15	
m,p-Xylene	10.17	0.50	10.0	0	102%	85	115	10.0	1.25%	15	
o-Xylene	5.117	0.50	5.00	0	102%	85	115	4.95	3.39%	15	
Cis-1,2-Dichloroethylene	1.16	0.10	1.00	0	116%	85	115	1.14	1.67%	15	S

Sample ID **LCS-06234** Batch ID: **R40839** Test Code: **TPHCGW** Units: **µg/L** Analysis Date **4/16/06 3:42:31 PM** Prep Date
Client ID: Run ID: **ORGC8_060416A** SeqNo: **586616**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gas (C6-C14)	529.0	50	500	0	106%	85	115	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Pvt. cust. paying on pickup
Work Order: 0604104
Project: 3888.02, BLUE LAKE MARKET

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID **LCSD-06234** Batch ID: **R40839** Test Code: **TPHCGW** Units: **µg/L** Analysis Date **4/16/06 4:17:13 PM** Prep Date

Client ID: Run ID: **ORGC8_060416A** SeqNo: **586617**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gas (C6-C14)	525.4	50	500	0	105%	85	115	529	0.673%	15	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

NORTH COAST LABORATORIES LTD.
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707-822-4649 Fax 707-822-6831

Chain of Custody

LABORATORY NUMBER: 0604104

Attention: PAT FOLKINS
Results & Invoice to:
Address: 2020 ARDAGH COURT
EUREKA, CA 95503
Phone:
Copies of Report to: Christine Manhart-LACO
Sampler (Sign & Print): RLD

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☑ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☒ Verbal ☐ By:
Final Report: FAX ☐ Verbal ☐ By:

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

PROJECT INFORMATION

Project Number: 3888.02
Project Name: BLUE LAKE MARKET
Purchase Order Number: task 3035

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	CONTAINER	PRESERVATIVE	ANALYSIS: TPHg/BTEX/MTBE
		4-4-06	AM	GW	9	b	
	3888-MW6-W						3
	3888-QCTB-W						1

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

GEOTRACKER

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
STEVE DAVIS	4-6-06 1402	NCL	4-6-06 1403

SAMPLE DISPOSAL
☑ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT