

**REPORT OF GROUNDWATER MONITORING  
FIESTA BEVERAGE UST SITE  
966 89th Avenue, Oakland, California**

**CWEC Project Number  
20591-001-01**

**Prepared for:**

**Mr. Ted Walbey  
7402 Hillview Court  
Pleasanton, California**

**Prepared by:**

**Century West Engineering Corporation  
7950 Dublin Blvd., Suite 203  
Dublin, California 94568**

**November 21, 1996**



November 21, 1996

Mr. Barney Chan  
Alameda County Health Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway  
Alameda, California 94502

**Subject: Report of Groundwater Monitoring, Fiesta Beverage UST Site, 966 89th Avenue, Oakland, California, CWEC Project Number 20591-001-01**

Dear Mr. Chan:

Century West Engineering Corporation (CWEC) has prepared this report on behalf of Mr. Ted Walbey of Pleasanton, California. This report presents results and conclusions based on the completion of four quarters of groundwater monitoring performed at the subject site as shown on Figure 1.

#### **Scope Of Work**

On October 16, July 15, April 16, and January 12, 1996 field staff from CWEC purged and sampled three monitoring wells (MW-1, MW-2, and MW-3), at the site as shown on Figure 2.

Purging and sampling was conducted as follows:

- After unlocking the monitoring wells, water levels were measured to the nearest 0.01 foot with an electronic probe.
- Using a disposable PVC bailer, a single bail of groundwater was taken from each well to check for the presence or absence of floating product.



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~~Contra Costa~~ County Health Services Department  
Report of Groundwater Monitoring, Fiesta Beverage

- Each monitoring well was purged of approximately three well volumes using a disposable PVC bailer. During purging, temperature, pH, conductivity, and turbidity of the well water were periodically monitored and recorded on field logs. Groundwater Sampling Records are included in Appendix A.
- After temperature, pH and conductivity had stabilized, groundwater samples were collected in appropriate containers. Each container was then tightly sealed, labeled and placed in cold storage for transport to the analytical laboratory under chain-of-custody.
- All purged water was stored onsite in 55-gallon metal drums.

## Results of Groundwater Monitoring

### *Groundwater Conditions*

Water level measurements performed during four quarters of monitoring indicate that the water table elevation gradient is generally to the north-northwest. The magnitude of the gradient has varied from approximately 0.02 ft./ft. in October to 0.01 ft./ft. in July, April and January. The depth to groundwater during 1996 has ranged from approximately 8 feet in April to 9 feet below ground surface (bgs) in October. Gradient maps for the last four quarters are contained in Appendix B.

### *Analytical Results*

Groundwater samples collected from the monitoring wells were analyzed for total petroleum hydrocarbons quantified as gasoline (TPH-G) by EPA Method 8015 Modified, and for benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8020). These results are summarized in Table 1. Laboratory reports and chain-of-custody records are included as Appendix C.

### Conclusions

Based on historical field monitoring and laboratory analytical results, we conclude the following:

- During four quarters of monitoring, the groundwater gradient has been generally to the north-northwest, with a magnitude that has varied from approximately 0.02 ft./ft. in October to 0.01 ft./ft. in July, April and January.
- Field monitoring since August 6, 1993 indicates increasing levels of BTEX in Monitoring Well MW-1. Benzene increased from 0.0071 mg/L in 1993 to 4.2 mg/L in the most recent event, toluene increased from 0.0084 mg/L to 2.2 mg/L, ethylbenzene increased from 0.0092 mg/L to 0.65 mg/L and total xylenes increased from 0.053 mg/L to 2.6 mg/L. TPH-G concentrations have also increased from 17 mg/L in 1993 to 21 mg/L in the most recent event.
- Low levels of TPH-G ( 0.19 mg/L ), benzene ( 0.048 mg/L ), toluene ( 0.0082 mg/L ), ethylbenzene ( 0.01 mg/L ) and total xylenes ( 0.013 mg/L ) were reported in Monitoring Well MW-2 for the most recent monitoring event. Historical concentrations of TPH-G and BTEX in MW-2 reveal alternative increasing and decreasing trends with successive quarters.
- Moderate levels of TPH-G ( 2 mg/L ) were reported in samples taken from Monitoring Well MW-3 in the latest event. Historical results from samples have yet to indicate a conclusive trend in TPH-G concentrations. Low levels of BTEX were reported in samples taken from MW-3, with benzene being reported at the highest concentration of 0.34 mg/L.

Based on our current knowledge of the site, it appears that chemical concentrations of petroleum hydrocarbons have increased in well MW-1, and have remained relatively consistent in wells MW-2 and MW-3 in four quarters of monitoring. We recommend the following:

- 1) That the three existing monitoring wells on site be used for the introduction of oxygen releasing compound (ORC) on a semi-annual basis. The ORC is intended to accelerate the natural bioattenuation of petroleum hydrocarbons in soil and groundwater.

November 21, 1996  
Contra Costa County Health Services Department  
Report of Groundwater Monitoring, Fiesta Beverage

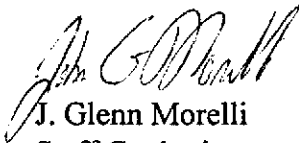
- 2) That one additional groundwater monitoring well be installed downgradient of the existing wells. This well would be sampled on a semi-annual basis to measure the effectiveness of remediation efforts as well as to further characterize the extent of petroleum hydrocarbons downgradient from the site.

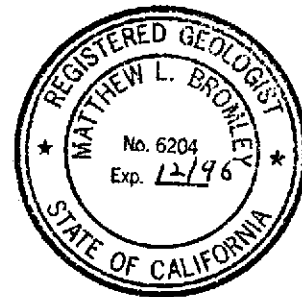
- pet utilizing organisms
- O<sub>2</sub>
- Nitrites

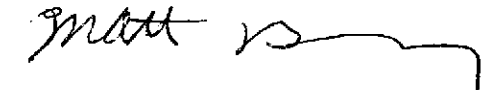
We appreciate the opportunity to present this report for your review. Please contact us if you have questions or require additional information.

Sincerely,

Century West Engineering Corporation

  
J. Glenn Morelli  
Staff Geologist



  
Matthew L. Bromley, R.G.  
Senior Geologist/Division Manager

Enclosures  
Table 1  
Figure 1  
Figure 2  
Appendix A  
Appendix B  
Appendix C

cc: Mr. Ted Walbey, Fiesta Beverage

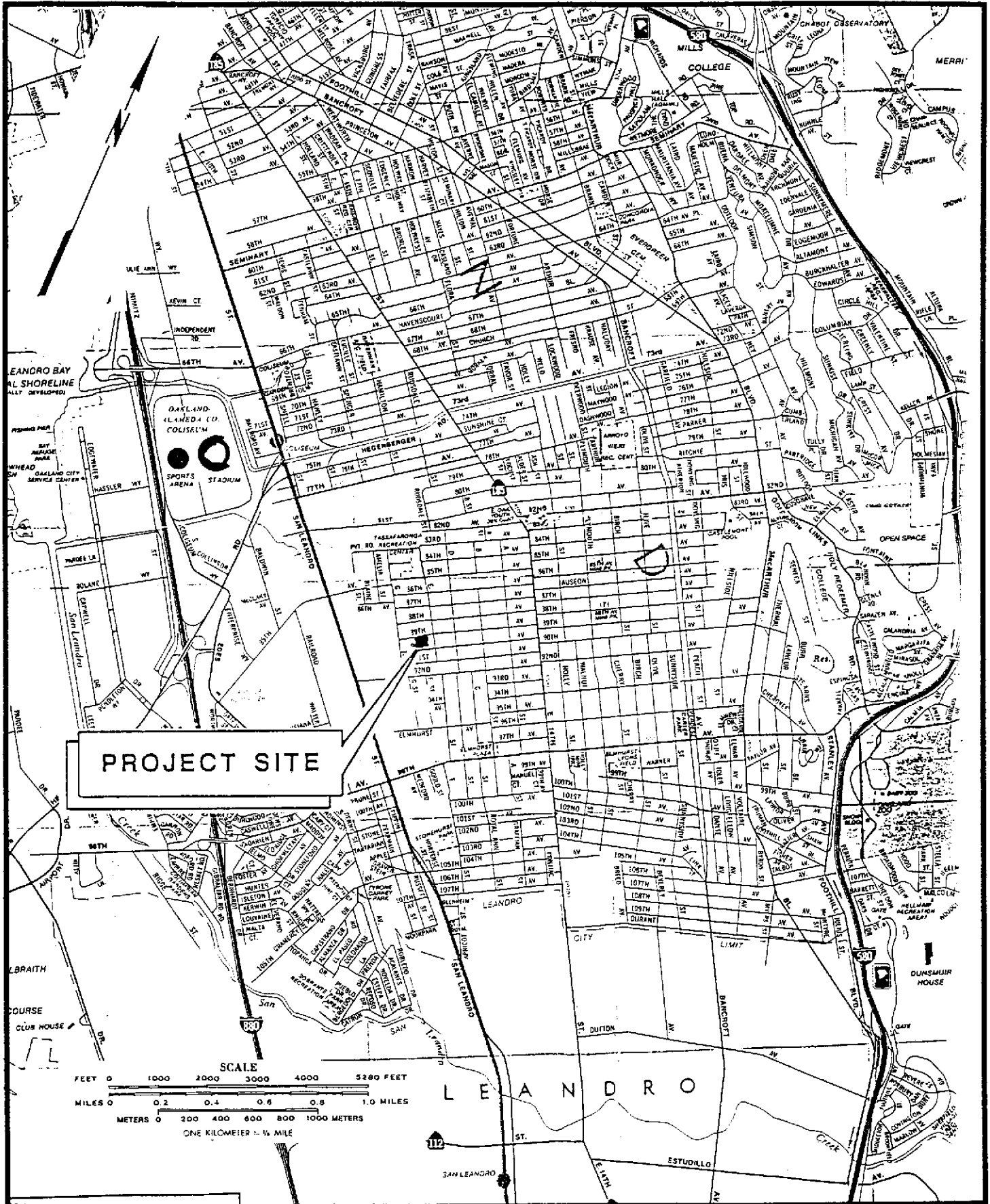
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**Table 1**  
**Summary of Current and Historical Groundwater Sampling Analytical Results**  
**Fiesta Beverages UST Site**  
**966 89th Avenue, Oakland, California**

G.W. Sample ID	Date of Sample	Chemical Concentrations (mg/L)				
		TPH-G	Benzene	Toulene	Ethyl-benzene	Total Xylenes
MW-1	08/06/93	17	0.0071	0.0084	0.0092	0.053
	01/12/96	12	1.9	0.84	0.37	1.1
	04/16/96	3.5	0.7	0.055	0.1	0.18
	07/15/96	11	2.3	0.45	0.35	0.91
	10/16/96	21	ND	2.2	0.65	2.6
MW-2	08/06/93	2.7	0.0013	0.0017	0.002	0.0081
	01/12/96	2.7	0.6	0.31	0.094	0.22
	04/16/96	0.19	0.039	0.011	0.01	0.014
	07/15/96	0.7	0.16	0.033	0.034	0.048
	10/16/96	0.19	0.048	0.0082	0.01	0.013
MW-3	08/06/93	5.2	0.0021	0.0029	0.0036	0.017
	01/12/96	4.5	0.28	0.18	0.12	0.47
	04/16/96	5.4	0.37	0.34	0.16	0.58
	07/15/96	1.8	0.2	0.22	0.066	0.25
	10/16/96	2	0.34	0.14	0.1	0.3

**NOTES**

TPH-G total petroleum hydrocarbons quantified as Gasoline  
mg/L milligrams per liter  
ND not detected above laboratory method detection limit

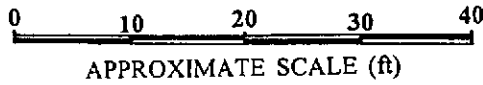
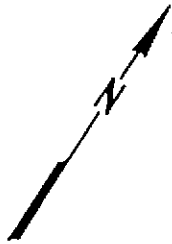
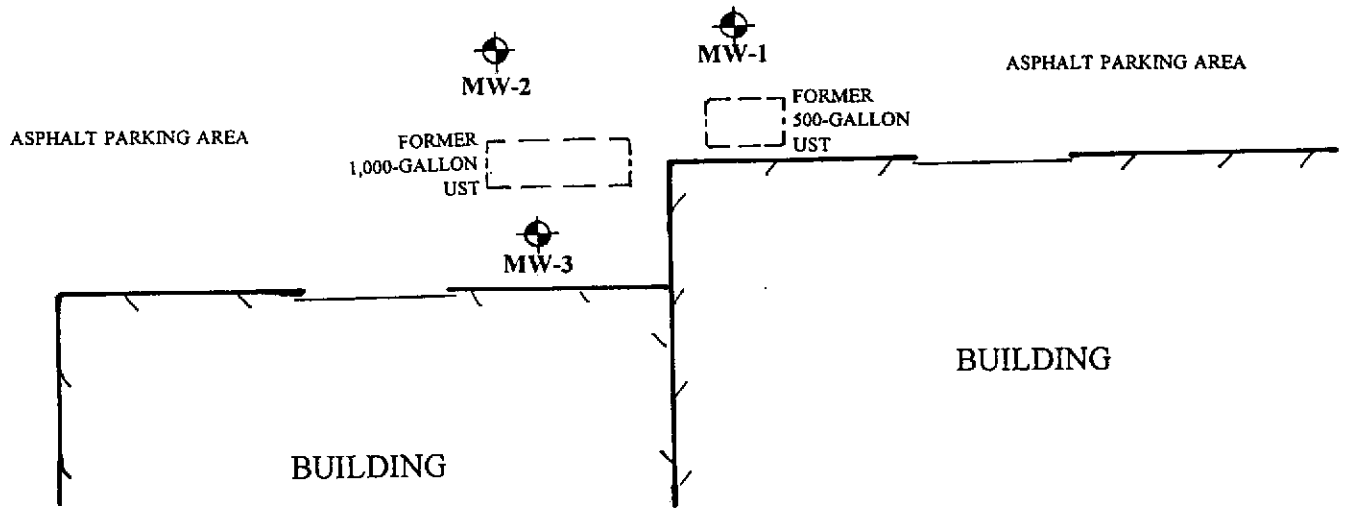



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**FIGURE 1**  
**SITE VICINITY MAP**  
 CWEC: 20591-001-01

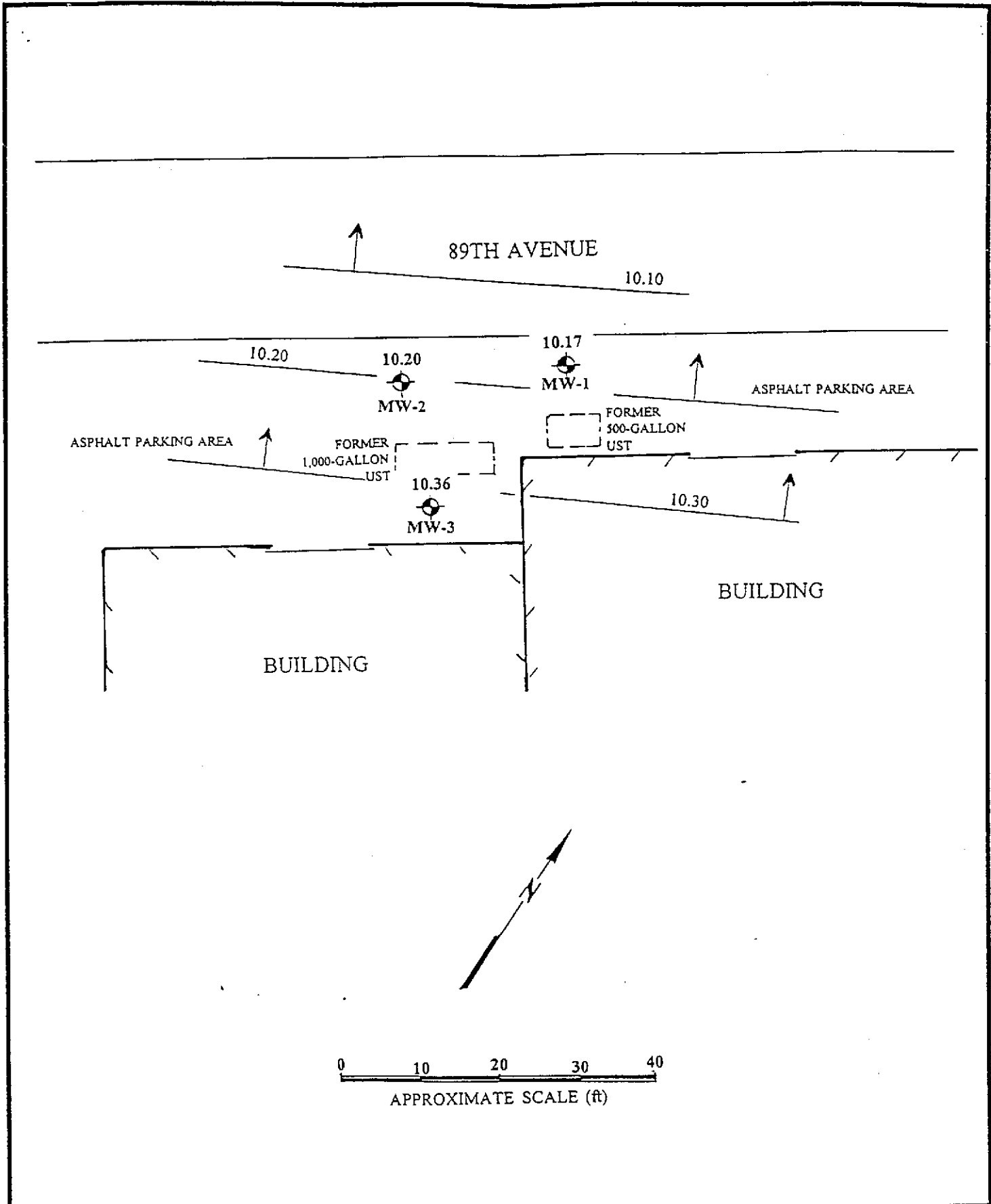
DATE:	FIGURE:
CENTURY WEST  ENGINEERING	


89TH AVENUE



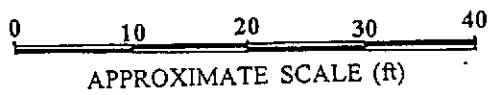
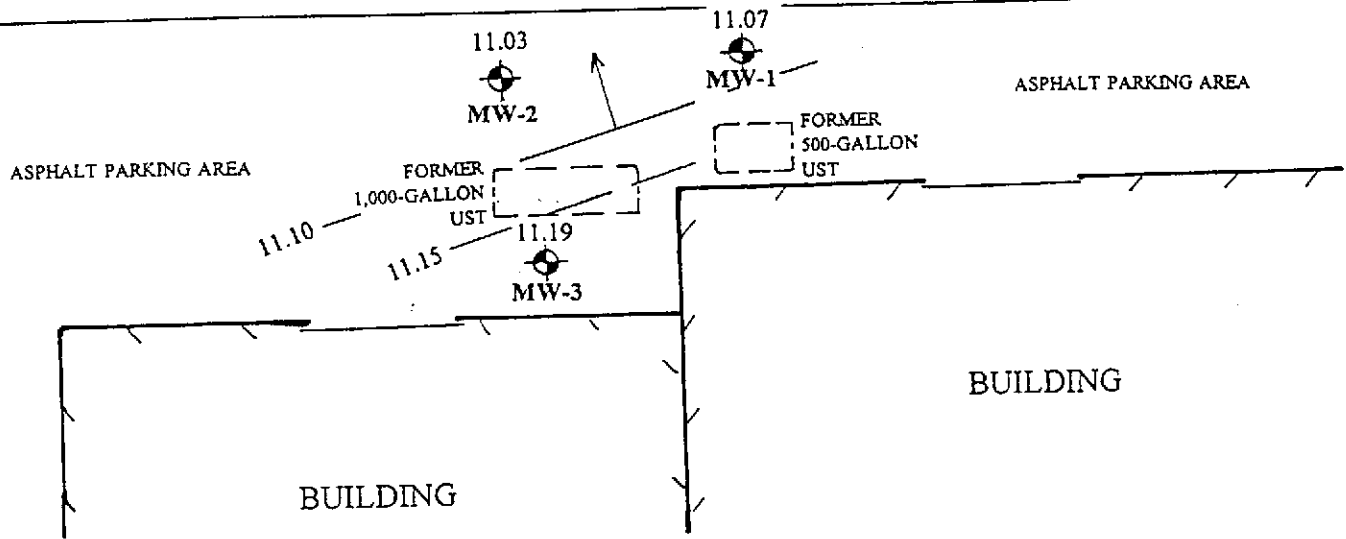
DESIGNED BY:	CHECKED BY:	FIGURE 2 SITE PLAN CWEC: 20591-001-01	DATE:	FIGURE:
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DWG. NO.:				






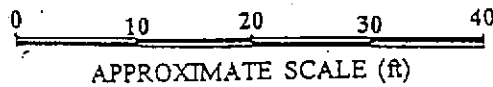
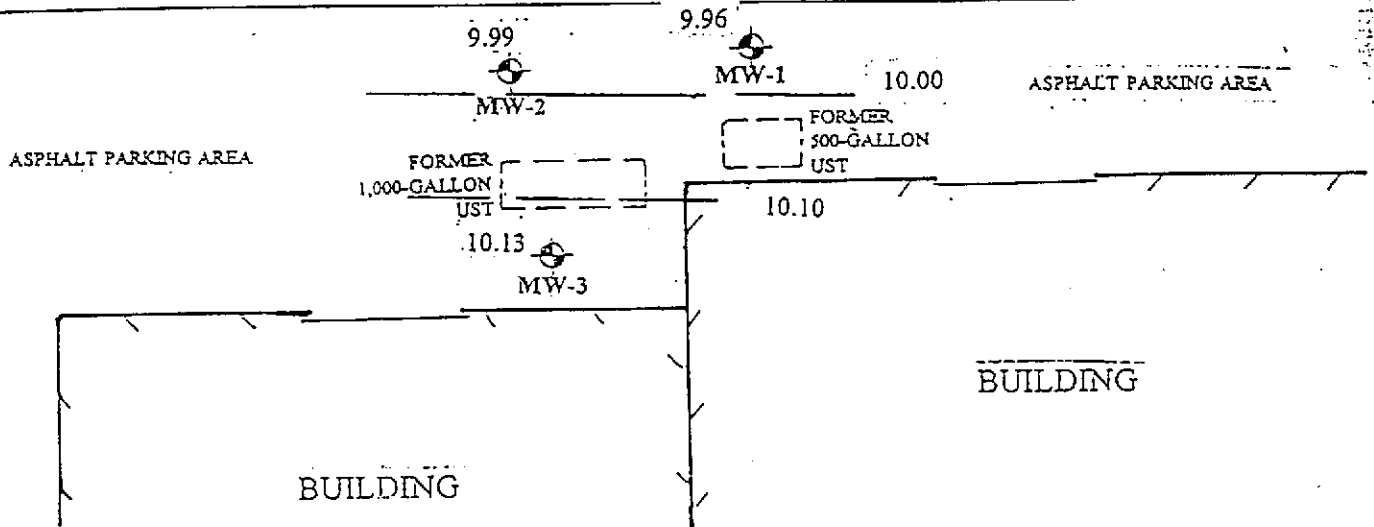
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DWG. NO.:				


89TH AVENUE



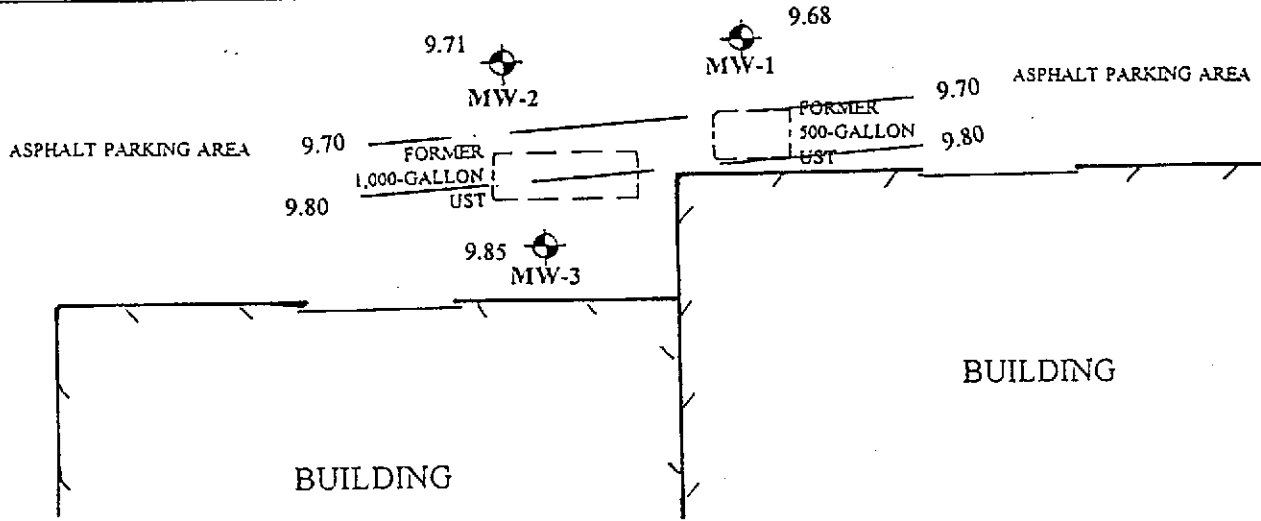
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DRAWN BY:	SCALE:		CENTURY WEST  ENGINEERING	
DWG. NO.:				

89TH AVENUE



DESIGNED BY:	CHECKED BY:	SITE PLAN/GRADIENT MAP (7/15/96) CWEC: 20594-001-01	DATE:	FIGURE:
DRAWN BY:	SCALE:		CENTURY WEST  ENGINEERING	
DWG. NO.:				

89TH AVENUE



0 10 20 30 40  
APPROXIMATE SCALE (ft)

DESIGNED BY:

CHECKED BY:

DATE:

FIGURE:

DRAWN BY:

SCALE:

SITE PLAN/GRADIENT MAP  
(10/16/96)

CENTURY WEST  ENGINEERING

DWG. NO.:

CVEC: 20591-001-01

# CENTURY WEST ENGINEERING

## GROUNDWATER SAMPLING RECORD

\*\*\*\*\*

SAMPLE NO. \_\_\_\_\_ WELL NO. MW-1

PROJECT NAME Cresta Beverages PROJECT NO. \_\_\_\_\_

DATE 1/12/96 TIME \_\_\_\_\_ ELEV. TOP OF CASING \_\_\_\_\_

WELL DIAMETER \_\_\_\_\_ WELL DEPTH \_\_\_\_\_ SCREEN INTERVAL \_\_\_\_\_

H2O LEVEL INIT. \_\_\_\_\_ FIN. \_\_\_\_\_

CALC. PURGE H2O COL. \_\_\_\_\_ FT. (X) \*\* = \_\_\_\_\_ (X) 3 = \_\_\_\_\_ GALS.

LAB ANALYSIS \_\_\_\_\_

LABORATORY \_\_\_\_\_ PURGE/SAMPLE METHOD \_\_\_\_\_

WEATHER CONDITIONS \_\_\_\_\_

\*\*\*\*\*

TIME	VOLUME PUMPED (GALS.)	PUMP RATE (GPM)	TEMP. (C)	COND.	PH	REMARKS (TURBIDITY)
0			53.1	0.67	7.04	clear sl odor / no sil
2			53.0	0.70	7.01	sl. muddy SAME
4			53.7	1.40	7.00	"
6			53.5	1.38	7.01	SAME

SAMPLE CREW MW-1 MW-2 MW-3

REMARKS	<u>18.82</u>	<u>18.44</u>	<u>18.81</u>
	<u>8.55</u>	<u>8.24</u>	<u>8.65</u>
	<u>10.17</u>	<u>10.20</u>	<u>10.36</u>

\*\* (2" = 0.163 GAL/FT) (4" = 0.653 GAL/FT)

# CENTURY WEST ENGINEERING

## GROUNDWATER SAMPLING RECORD

\*\*\*\*\*

SAMPLE NO. MW-2 WELL NO. MW-2

PROJECT NAME Fiesta Revivals PROJECT NO. \_\_\_\_\_

DATE 1/6 TIME \_\_\_\_\_ ELEV. TOP OF CASING \_\_\_\_\_

WELL DIAMETER \_\_\_\_\_ WELL DEPTH \_\_\_\_\_ SCREEN INTERVAL \_\_\_\_\_

H2O LEVEL INIT. \_\_\_\_\_ FIN. \_\_\_\_\_

CALC. PURGE H2O COL. \_\_\_\_\_ FT. (X) \*\* = \_\_\_\_\_ (X) 3 = \_\_\_\_\_ GALS.

LAB ANALYSIS \_\_\_\_\_

LABORATORY \_\_\_\_\_ PURGE/SAMPLE METHOD \_\_\_\_\_

WEATHER CONDITIONS \_\_\_\_\_

\*\*\*\*\*

TIME	VOLUME PUMPED (GALS.)	PUMP RATE (GPM)	TEMP. (C)	COND.	DH	REMARKS (TURBIDITY)
	0		50.5	1.32	7.00	clear & cool / no smell
	2		50.0	1.30	7.00	SAME
	4		49.1	"	"	"
	6		49.2	1.31	"	"

SAMPLE CREW \_\_\_\_\_

REMARKS \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\*\* (2" = 0.163 GAL/FT) (4" = 0.653 GAL/FT)

# CENTURY WEST ENGINEERING

## GROUNDWATER SAMPLING RECORD

\*\*\*\*\*

SAMPLE NO. MW-3 WELL NO. MW-3

PROJECT NAME Fiesta Pajaros PROJECT NO. \_\_\_\_\_

DATE 1/12 TIME \_\_\_\_\_ ELEV. TOP OF CASING \_\_\_\_\_

WELL DIAMETER \_\_\_\_\_ WELL DEPTH \_\_\_\_\_ SCREEN INTERVAL \_\_\_\_\_

H2O LEVEL INIT. \_\_\_\_\_ FIN. \_\_\_\_\_

CALC. PURGE H2O COL. \_\_\_\_\_ FT. (X) \*\* = \_\_\_\_\_ (X) 3 = \_\_\_\_\_ GALS.

LAB ANALYSIS \_\_\_\_\_

LABORATORY \_\_\_\_\_ PURGE/SAMPLE METHOD \_\_\_\_\_

WEATHER CONDITIONS \_\_\_\_\_

\*\*\*\*\*

TIME	VOLUME PUMPED (GALS.)	PUMP RATE (GPM)	TEMP. (C)	COND.	pH	REMARKS (TURBIDITY)
	0		48.1	1.60	7.02	clear <sup>(sl?)</sup> no 0/514
	2		49.5	1.5P	7.00	SAME
	4		50.1	1.6	7.01	"
	6					

SAMPLE CREW \_\_\_\_\_

REMARKS \_\_\_\_\_

\*\* (2" = 0.163 GAL/FT) (4" = 0.653 GAL/FT)

# CENTURY WEST ENGINEERING

## GROUNDWATER SAMPLING RECORD

\*\*\*\*\*

SAMPLE NO. MW-1 WELL NO. MW-1

PROJECT NAME FIRSTA BULKHEAD PROJECT NO. 20591-001-01

DATE 4/16 TIME \_\_\_\_\_ ELEV. TOP OF CASING \_\_\_\_\_

WELL DIAMETER 2" WELL DEPTH \_\_\_\_\_ SCREEN INTERVAL \_\_\_\_\_

H2O LEVEL INIT. 7.64<sup>TD</sup> FIN. 11.08

CALC. PURGE H2O COL. \_\_\_\_\_ FT. (X) \*\* = \_\_\_\_\_ (X) 3 = \_\_\_\_\_ GALS.

LAB ANALYSIS \_\_\_\_\_

LABORATORY \_\_\_\_\_ PURGE/SAMPLE METHOD \_\_\_\_\_

WEATHER CONDITIONS \_\_\_\_\_

\*\*\*\*\*

TIME	VOLUME PUMPED (GALS.)	PUMP RATE (GPM)	TEMP. (C)	COND.	pH	REMARKS (TURBIDITY)
	0		59.5	0.70	7.00	clear - slight odor
	2		60.4	0.72	"	murky/same
	4		61.2	0.66	6.98	"
	6		61.1	0.65	"	SAME

SAMPLE CREW \_\_\_\_\_

REMARKS \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\*\* (2" = 0.163 GAL/FT) (4" = 0.653 GAL/FT)



# CENTURY WEST ENGINEERING

## GROUNDWATER SAMPLING RECORD

\*\*\*\*\*

SAMPLE NO. MW-2 WELL NO. MW-2

PROJECT NAME Fiesta Beverage PROJECT NO. 20591-001-01

DATE 4/16 TIME \_\_\_\_\_ ELEV. TOP OF CASING \_\_\_\_\_

WELL DIAMETER \_\_\_\_\_ WELL DEPTH \_\_\_\_\_ SCREEN INTERVAL \_\_\_\_\_

H2O LEVEL INIT. \_\_\_\_\_ FIN. \_\_\_\_\_

CALC. PURGE H2O COL. \_\_\_\_\_ FT. (X) \*\* = \_\_\_\_\_ (X) 3 = \_\_\_\_\_ GALS.

LAB ANALYSIS \_\_\_\_\_

LABORATORY \_\_\_\_\_ PURGE/SAMPLE METHOD \_\_\_\_\_

WEATHER CONDITIONS \_\_\_\_\_

\*\*\*\*\*

TIME	VOLUME PUMPED (GALS.)	PUMP RATE (GPM)	TEMP. (C)	COND.	PH	REMARKS (TURBIDITY)
		0	64.0	0.79	7.00	murky no good / some
		2	64.0	0.71	7.04	slight good (?) Spike
		4	65.0	0.85	7.04	"
		6	64.7	0.84	7.07	"

WATER LEVEL MEASURED 100 IMM. PRIOR TO SAMPLING.  
 " " DROPPED IN MW-2 DUE TO INFLUENCE FROM  
 PREVIOUSLY SAMPLED WELLS MW-1 & MW-3.

SAMPLE CREW \_\_\_\_\_

REMARKS \_\_\_\_\_

\*\* (2" = 0.163 GAL/FT) (4" = 0.653 GAL/FT)

# CENTURY WEST ENGINEERING

## GROUNDWATER SAMPLING RECORD

\*\*\*\*\*

SAMPLE NO. MW-3 WELL NO. MW-3

PROJECT NAME FIRST GRADE PROJECT NO. 20591-001-01

DATE 4/16/96 TIME \_\_\_\_\_ ELEV. TOP OF CASING 17.01

WELL DIAMETER 2" WELL DEPTH \_\_\_\_\_ SCREEN INTERVAL \_\_\_\_\_

H2O LEVEL INIT. 7.82 FIN. \_\_\_\_\_

CALC. PURGE H2O COL. \_\_\_\_\_ FT. (X) \*\* = \_\_\_\_\_ (X) 3 = \_\_\_\_\_ GALS.

LAB ANALYSIS \_\_\_\_\_

LABORATORY \_\_\_\_\_ PURGE/SAMPLE METHOD \_\_\_\_\_

WEATHER CONDITIONS \_\_\_\_\_

\*\*\*\*\*

TIME	VOLUME PUMPED (GALS.)	PUMP RATE (GPM)	TEMP. (C)	COND.	pH	REMARKS (TURBIDITY)
0			59.8	0.50	6.99	clear no g/s seen
2			60.7	0.54	"	murky sl. odor & silt
4			61.2	0.55	7.00	same
6			60.5	"	7.01	"

3  
MW-2  
18.44  
- 7.41  
11.03

18.44  
 7.54  
 11.03

SAMPLE CREW MW-1 MW-2 MW-3

REMARKS (DC) 18.82 18.44 18.81

- 7.65 7.54 (low) 7.82 ✓ 7.81

11.07 10.90 11.19 = 11.20

\*\* (2" = 0.163 GAL/FT) (4" = 0.653 GAL/FT)

# CENTURY WEST ENGINEERING

## GROUNDWATER SAMPLING RECORD

\*\*\*\*\*

SAMPLE NO. MW-3 WELL NO. MW-3

PROJECT NAME Fiesta Beverages PROJECT NO. 20591-001-01

DATE 7/26/96 TIME 10:00 AM ELEV. TOP OF CASING 19.01

WELL DIAMETER 2" WELL DEPTH ~~8.88~~ <sup>dtw</sup> 8.88 SCREEN INTERVAL           

H2O LEVEL INIT. 8.88 FIN. 10.13

CALC. PURGE H2O COL.            FT. (X) \*\* =            (X) <sup>Calc =</sup> 3 = 6 GALS.

LAB ANALYSIS           

LABORATORY NET PURGE/SAMPLE METHOD           

WEATHER CONDITIONS over cast

\*\*\*\*\*

TIME	VOLUME PUMPED (GALS.)	PUMP RATE (GPM)	TEMP. (C)	COND.	pH	REMARKS (TURBIDITY)
10:4 AM	0		64.4	.47	6.53	clear
	2		63.6	.49	6.32	clear to some murky
	4		63.9	.50	6.32	↓
10:30 AM	6		64.7	.48	6.30	↓

10:35 AM - sample

SAMPLE CREW Glenn Morelli

REMARKS           

\*\* (2" = 0.163 GAL/FT) (4" = 0.653 GAL/FT)



# CENTURY WEST ENGINEERING

## GROUNDWATER SAMPLING RECORD

\*\*\*\*\*

SAMPLE NO. MW-1 WELL NO. MW-1

PROJECT NAME Fiesta Beverages PROJECT NO. 20591-001-01

DATE 7/26/91 TIME 9:20 ELEV. TOP OF CASING 18.72

WELL DIAMETER 2" WELL DEPTH ~~8.00~~ SCREEN INTERVAL

H2O LEVEL INIT. 8.76 FIN. 9.96

CALC. PURGE H2O COL.  FT. (X) \*\* =  (X) <sup>calc.</sup> 3 = 6 GALS.

LAB ANALYSIS

LABORATORY Net PURGE/SAMPLE METHOD

WEATHER CONDITIONS Over cast

\*\*\*\*\*

TIME	VOLUME PUMPED (GALS.)	PUMP RATE (GPM)	TEMP. (C)	COND.	pH	REMARKS (TURBIDITY)
9:20	0		65.1	.62	5.83	clear
	2		63.7	.62	5.90	clear to some murky
	4		63.3	.60	5.90	↓
9:45	6		63.3	.61	5.97	↓

sample - 9:50

SAMPLE CREW Glenn Morelli

REMARKS

\*\* (2" = 0.163 GAL/FT) (4" = 0.653 GAL/FT)

# CENTURY WEST ENGINEERING

## GROUNDWATER SAMPLING RECORD

\*\*\*\*\*

SAMPLE NO. MW-1 WELL NO. MW-1

PROJECT NAME Fresh Beverages PROJECT NO. 20591-001-01

DATE 10/16/96 TIME --- ELEV. TOP OF CASING N/A

WELL DIAMETER 2" WELL DEPTH ~~20ft~~ SCREEN INTERVAL ±10ft

H2O LEVEL INIT. 9.04 FIN. N/A

CALC. PURGE H2O COL. --- FT. (X) \*\* = --- (X) 3 = 6 GALS.

LAB ANALYSIS TPH-6 / BTEX

LABORATORY NET PURGE/SAMPLE METHOD Bailer

WEATHER CONDITIONS ~~Overcast~~ overcast

\*\*\*\*\*

TIME	VOLUME PUMPED (GALS.)	PUMP RATE (GPM)	TEMP. (C)	COND.	pH	REMARKS (TURBIDITY)
2:50	0		65.6	.56	6.87	clear
2:56	2		65.7	.63	6.13	semi murky
3:05	4		65.8	.67	6.42	semi murky
3:12	6		65.1	.61	6.18	semi murky

Sample 3:20

SAMPLE CREW ALM

REMARKS no bubbles

\*\* (2" = 0.163 GAL/FT) (4" = 0.653 GAL/FT)

# CENTURY WEST ENGINEERING

## GROUNDWATER SAMPLING RECORD

\*\*\*\*\*

SAMPLE NO. MW-2 WELL NO. MW-2

PROJECT NAME Fresh Beverages PROJECT NO. 20591-001-01

DATE 10/16/96 TIME \_\_\_\_\_ ELEV. TOP OF CASING N/A

WELL DIAMETER 2" WELL DEPTH ~~200~~ SCREEN INTERVAL ~10ft

H2O LEVEL INIT. 8.10 FIN. N/A

CALC. PURGE H2O COL. \_\_\_\_\_ FT. (X) \*\* = \_\_\_\_\_ (X) 3 = 6 GALS.

LAB ANALYSIS TPH-6 / BTEX

LABORATORY NET PURGE/SAMPLE METHOD baile

WEATHER CONDITIONS ~~overcast~~ overcast

\*\*\*\*\*

TIME	VOLUME PUMPED (GALS.)	PUMP RATE (GPM)	TEMP. (C)	COND.	pH	REMARKS (TURBIDITY)
2:20	0		66.5	.53	7.83	clear
2:24	2		65.2	.53	6.75	Semi murky
2:28	4		65.0	.53	6.72	More murky
2:35	6		65.0	.55	6.69	Semi murky

Sample 2:45

SAMPLE CREW JLM

REMARKS no turbidity

\*\* (2" = 0.163 GAL/FT) (4" = 0.653 GAL/FT)

# CENTURY WEST ENGINEERING

## GROUNDWATER SAMPLING RECORD

\*\*\*\*\*

SAMPLE NO. MW-3 WELL NO. MW-3

PROJECT NAME Fiestk Beverages PROJECT NO. 20591-001-01

DATE 10/16/96 TIME        ELEV. TOP OF CASING NA

WELL DIAMETER 2" WELL DEPTH ~~208~~ SCREEN INTERVAL ±10ft

H2O LEVEL INIT. 4.16 FIN. NA

CALC. PURGE H2O COL.        FT. (X) \*\* =        (X) 3 = 6 GALS.

LAB ANALYSIS TPH-6 / BTEX

LABORATORY NET PURGE/SAMPLE METHOD baile

WEATHER CONDITIONS ~~60°~~ 60° (air)

\*\*\*\*\*

TIME	VOLUME PUMPED (GALS.)	PUMP RATE (GPM)	TEMP. (C)	COND.	pH	REMARKS (TURBIDITY)
1:56 PM	0		69	.62	5.56	clear
2 PM	2		66	.55	6.43	<del>clear</del> semi murky
2:05 PM	4		64.2	.55	6.63	<del>clear</del> ↓
2:10 AM	6		63.6	.54	6.58	<del>clear</del> ↓

Sample 2:15

SAMPLE CREW       

REMARKS no bubbles

\*\* (2" = 0.163 GAL/FT) (4" = 0.653 GAL/FT)





NATIONAL  
ENVIRONMENTAL  
TESTING, INC.

Santa Rosa Division  
3636 North Laughlin Road  
Suite 110  
Santa Rosa, CA 95403-8226  
Tel: (707) 526-7200  
Fax: (707) 541-2333

Jim Gribi  
Century West Engineering  
7950 Dublin Blvd., Ste 210  
Dublin, CA 94568

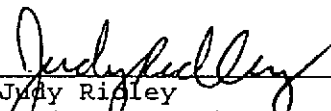
Date: 01/25/1996  
NET Client Acct. No: 75300  
NET Job No: 96.00144  
Received: 01/13/1996

Client Reference Information

Fiesta Beverages/Proj. No. 20591-001-01

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel free to call me at (707) 541-2307.

Submitted by:

  
\_\_\_\_\_  
Judy Ripley  
Project Coordinator

Enclosure (s)





Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.00144

Date: 01/25/1996  
ELAP Cert: 1386  
Page: 2

Ref: Fiesta Beverages/Proj. No. 20591-001-01

SAMPLE DESCRIPTION: MW-1

Date Taken: 01/12/1996

Time Taken:

NET Sample No: 258778

Parameter	Results	Flags	Reporting			Date	Date	Run
			Limit	Units	Method	Extracted	Analyzed	Batch
TPH (Gas/BTXE, Liquid)								
5030/M8015	--						01/23/1996	3494
DILUTION FACTOR*	50						01/23/1996	3494
as Gasoline	12		2	mg/L	5030		01/23/1996	3494
8020 (GC, Liquid)	--						01/23/1996	3494
Benzene	1,900		20	ug/L	8020		01/23/1996	3494
Toluene	840		20	ug/L	8020		01/23/1996	3494
Ethylbenzene	370		20	ug/L	8020		01/23/1996	3494
Xylenes (Total)	1,100		20	ug/L	8020		01/23/1996	3494
SURROGATE RESULTS	--						01/23/1996	3494
Bromofluorobenzene (SURR)	89			% Rec.	5030		01/23/1996	3494

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.00144

Date: 01/25/1996  
ELAP Cert: 1386  
Page: 3

Ref: Fiesta Beverages/Proj. No. 20591-001-01

SAMPLE DESCRIPTION: MW-2

Date Taken: 01/12/1996

Time Taken:

NET Sample No: 258779

Parameter	Results	Flags	Reporting			Method	Date	Date	Run
			Limit	Units	Extracted		Analyzed	Batch	
TPH (Gas/BTXE,Liquid)									
5030/M8015	--						01/23/1996	3494	
DILUTION FACTOR*	10						01/23/1996	3494	
as Gasoline	2.7		0.5	mg/L	5030		01/23/1996	3494	
8020 (GC,Liquid)	--						01/23/1996	3494	
Benzene	600	FD	10	ug/L	8020		01/24/1996	3495	
Toluene	310		5	ug/L	8020		01/23/1996	3494	
Ethylbenzene	94		5	ug/L	8020		01/23/1996	3494	
Xylenes (Total)	220		5	ug/L	8020		01/23/1996	3494	
SURROGATE RESULTS	--						01/23/1996	3494	
Bromofluorobenzene (SURR)	91			% Rec.	5030		01/23/1996	3494	

FD : Compound quantitated at a 20X dilution factor.

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.00144

Date: 01/25/1996  
ELAP Cert: 1386  
Page: 4

Ref: Fiesta Beverages/Proj. No. 20591-001-01

SAMPLE DESCRIPTION: MW-3  
Date Taken: 01/12/1996  
Time Taken:  
NET Sample No: 258780

Parameter	Results	Flags	Reporting			Date	Date	Run
			Limit	Units	Method	Extracted	Analyzed	Batch
TPH (Gas/BTXE, Liquid)								
5030/M8015	--						01/23/1996	3494
DILUTION FACTOR*	10						01/23/1996	3494
as Gasoline	4.5		0.5	mg/L	5030		01/23/1996	3494
8020 (GC, Liquid)	--						01/23/1996	3494
Benzene	280		5	ug/L	8020		01/23/1996	3494
Toluene	180		5	ug/L	8020		01/23/1996	3494
Ethylbenzene	120		5	ug/L	8020		01/23/1996	3494
Xylenes (Total)	470		5	ug/L	8020		01/23/1996	3494
SURROGATE RESULTS	--						01/23/1996	3494
Bromofluorobenzene (SURR)	100			% Rec.	5030		01/23/1996	3494

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.00144

Date: 01/25/1996  
ELAP Cert: 1386  
Page: 5

Ref: Fiesta Beverages/Proj. No. 20591-001-01

## CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV	CCV	CCV	Flags	Units	Date Analyzed	Analyst Initials	Run Batch Number
	Standard % Recovery	Standard Amount Found	Standard Amount Expected					
TPH (Gas/BTXE,Liquid)								
as Gasoline	102.0	0.51	0.50		mg/L	01/23/1996	aal	3494
Benzene	92.2	4.61	5.00		ug/L	01/23/1996	aal	3494
Toluene	91.0	4.55	5.00		ug/L	01/23/1996	aal	3494
Ethylbenzene	96.2	4.81	5.00		ug/L	01/23/1996	aal	3494
Xylenes (Total)	97.3	14.6	15.0		ug/L	01/23/1996	aal	3494
Bromofluorobenzene (SURR)	97.0	97	100		% Rec.	01/23/1996	aal	3494
TPH (Gas/BTXE,Liquid)								
as Gasoline	100.0	0.50	0.50		mg/L	01/24/1996	aal	3495
Benzene	89.6	4.48	5.00		ug/L	01/24/1996	aal	3495
Toluene	87.8	4.39	5.00		ug/L	01/24/1996	aal	3495
Ethylbenzene	93.0	4.65	5.00		ug/L	01/24/1996	aal	3495
Xylenes (Total)	93.3	14.0	15.0		ug/L	01/24/1996	aal	3495
Bromofluorobenzene (SURR)	94.0	94	100		% Rec.	01/24/1996	aal	3495

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.00144

Date: 01/25/1996  
ELAP Cert: 1386  
Page: 6

Ref: Fiesta Beverages/Proj. No. 20591-001-01

## METHOD BLANK REPORT

Parameter	Method	Reporting	Flags	Units	Date	Analyst	Run
	Blank						
	Found						Number
TPH (Gas/BTXE,Liquid)							
as Gasoline	ND	0.05		mg/L	01/23/1996	aal	3494
Benzene	ND	0.5		ug/L	01/23/1996	aal	3494
Toluene	ND	0.5		ug/L	01/23/1996	aal	3494
Ethylbenzene	ND	0.5		ug/L	01/23/1996	aal	3494
Xylenes (Total)	ND	0.5		ug/L	01/23/1996	aal	3494
Bromofluorobenzene (SURR)	89			% Rec.	01/23/1996	aal	3494
TPH (Gas/BTXE,Liquid)							
as Gasoline	ND	0.05		mg/L	01/24/1996	aal	3495
Benzene	ND	0.5		ug/L	01/24/1996	aal	3495
Toluene	ND	0.5		ug/L	01/24/1996	aal	3495
Ethylbenzene	ND	0.5		ug/L	01/24/1996	aal	3495
Xylenes (Total)	ND	0.5		ug/L	01/24/1996	aal	3495
Bromofluorobenzene (SURR)	88			% Rec.	01/24/1996	aal	3495

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Century West Engineering  
 Client Acct: 75300  
 NET Job No: 96.00144

Date: 01/25/1996  
 ELAP Cert: 1386  
 Page: 7

Ref: Fiesta Beverages/Proj. No. 20591-001-01

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike				Matrix Spike				Date Analyzed	Run Batch	Sample Spiked	
	Matrix Spike % Rec.	Matrix Spike Dup % Rec.	RPD	Spike Amount	Sample Spike Conc.	Matrix Spike Dup Conc.	Matrix Spike Dup Conc.	Flags				
5030/8015-M/B020 (Shell)												258873
Purgeable TPH	104.0	106.0	1.9	0.50	ND	0.52	0.53		mg/L	01/23/1996	3494	258873
Benzene	102.2	105.0	2.7	7.24	4.2C	11.6	11.8		ug/L	01/23/1996	3494	258873
Toluene	99.2	99.2	0.0	23.6	ND	23.4	23.4		ug/L	01/23/1996	3494	258873
TPH (Gas/BTXE,Liquid)												259229
as Gasoline	104.0	100.0	3.9	0.50	ND	0.52	0.50		mg/L	01/24/1996	3495	259229
Benzene	101.3	96.6	4.6	4.64	ND	4.70	4.48		ug/L	01/24/1996	3495	259229
Toluene	101.8	93.8	8.1	22.5	ND	22.9	21.1		ug/L	01/24/1996	3495	259229

C : Positive result confirmed by secondary column or GC/MS analysis.

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



## KEY TO ABBREVIATIONS and METHOD REFERENCES

- < : Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
- \* : Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
- ICVS : Initial Calibration Verification Standard (External Standard).
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference,  $100 \text{ [Value 1 - Value 2]}/\text{mean value}$ .
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- umhos/cm : Micromhos per centimeter.

### Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition, APHA, 1989.







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TESTING, INC.

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Bob Bogar  
Century West Engineering  
7950 Dublin Blvd., Ste 210  
Dublin, CA 94568

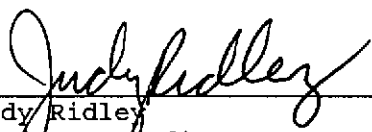
Date: 04/23/1996  
NET Client Acct. No: 75300  
NET Job No: 96.01342  
Received: 04/18/1996

Client Reference Information

Fiesta Beverage/Proj. No. 20591-001-01

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel free to call me at (707) 541-2307.

Submitted by:

  
\_\_\_\_\_  
Judy Ridley  
Project Coordinator

Enclosure (s)



Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.01342

Date: 04/23/1996  
ELAP Cert: 1386  
Page: 2

Ref: Fiesta Beverage/Proj. No. 20591-001-01

SAMPLE DESCRIPTION: MW-1  
Date Taken: 04/16/1996  
Time Taken:  
NET Sample No: 263262

Parameter	Results	Flags	Reporting			Date	Date	Run
			Limit	Units	Method	Extracted	Analyzed	Batch
TPH (Gas/BTXE,Liquid)								
5030/M8015	--						04/19/1996	3627
DILUTION FACTOR*	20						04/19/1996	3627
as Gasoline	3.5		1.0	mg/L	5030		04/19/1996	3627
8020 (GC,Liquid)	--						04/19/1996	3627
Benzene	700		10	ug/L	8020		04/19/1996	3627
Toluene	55		10	ug/L	8020		04/19/1996	3627
Ethylbenzene	100		10	ug/L	8020		04/19/1996	3627
Xylenes (Total)	180		10	ug/L	8020		04/19/1996	3627
SURROGATE RESULTS	--						04/19/1996	3627
Bromofluorobenzene (SURR)	97			µ Rec.	5030		04/19/1996	3627

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.01342

Date: 04/23/1996  
ELAP Cert: 1386  
Page: 3

Ref: Fiesta Beverage/Proj. No. 20591-001-01

SAMPLE DESCRIPTION: MW-2

Date Taken: 04/16/1996

Time Taken:

NET Sample No: 263263

Parameter	Results	Flags	Reporting			Date	Date	Run
			Limit	Units	Method	Extracted	Analyzed	Batch
TPH (Gas/BTXE,Liquid)								
5030/M8015	--						04/19/1996	3627
DILUTION FACTOR*	1						04/19/1996	3627
as Gasoline	0.19		0.050	mg/L	5030		04/19/1996	3627
8020 (GC,Liquid)	--						04/19/1996	3627
Benzene	39		0.50	ug/L	8020		04/19/1996	3627
Toluene	11		0.50	ug/L	8020		04/19/1996	3627
Ethylbenzene	10		0.50	ug/L	8020		04/19/1996	3627
Xylenes (Total)	14		0.50	ug/L	8020		04/19/1996	3627
SURROGATE RESULTS	--						04/19/1996	3627
Bromofluorobenzene (SURR)	98			µ Rec.	5030		04/19/1996	3627

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Century West Engineering

Date: 04/23/1996

Client Acct: 75300

ELAP Cert: 1386

NET Job No: 96.01342

Page: 4

Ref: Fiesta Beverage/Proj. No. 20591-001-01

SAMPLE DESCRIPTION: MW-3

Date Taken: 04/16/1996

Time Taken:

NET Sample No: 263264

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
TPH (Gas/BTXE,Liquid)								
5030/M8015	--						04/19/1996	3627
DILUTION FACTOR*	10						04/19/1996	3627
as Gasoline	5.4		0.50	mg/L	5030		04/19/1996	3627
8020 (GC,Liquid)	--						04/19/1996	3627
Benzene	370		5.0	ug/L	8020		04/19/1996	3627
Toluene	340		5.0	ug/L	8020		04/19/1996	3627
Ethylbenzene	160		5.0	ug/L	8020		04/19/1996	3627
Xylenes (Total)	580		5.0	ug/L	8020		04/19/1996	3627
SURROGATE RESULTS	--						04/19/1996	3627
Bromofluorobenzene (SURR)	101			‡ Rec.	5030		04/19/1996	3627

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.01342

Date: 04/23/1996  
ELAP Cert: 1386  
Page: 5

Ref: Fiesta Beverage/Proj. No. 20591-001-01

## CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV	CCV	Flags	Units	Date Analyzed	Analyst Initials	Run Batch Number
	Standard % Recovery	Standard Amount Found					
TPH (Gas/BTXE,Liquid)							
as Gasoline	100.0	0.50	0.50	mg/L	04/19/1996	aal	3627
Benzene	89.4	4.47	5.00	ug/L	04/19/1996	aal	3627
Toluene	89.0	4.45	5.00	ug/L	04/19/1996	aal	3627
Ethylbenzene	90.8	4.54	5.00	ug/L	04/19/1996	aal	3627
Xylenes (Total)	90.0	13.5	15.0	ug/L	04/19/1996	aal	3627
Bromofluorobenzene (SURR)	87.0	87	100	% Rec.	04/19/1996	aal	3627

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.01342

Date: 04/23/1996  
ELAP Cert: 1386  
Page: 6

Ref: Fiesta Beverage/Proj. No. 20591-001-01

## METHOD BLANK REPORT

Parameter	Method	Reporting	Flags	Units	Date	Analyst	Run
	Blank						
	Found						Number
TPH (Gas/BTEX,Liquid)							
as Gasoline	ND	0.050		mg/L	04/19/1996	aal	3627
Benzene	ND	0.50		ug/L	04/19/1996	aal	3627
Toluene	ND	0.50		ug/L	04/19/1996	aal	3627
Ethylbenzene	ND	0.50		ug/L	04/19/1996	aal	3627
Xylenes (Total)	ND	0.50		ug/L	04/19/1996	aal	3627
Bromofluorobenzene (SURR)	89			% Rec.	04/19/1996	aal	3627

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.01342

Date: 04/23/1996  
ELAP Cert: 1386  
Page: 7

Ref: Fiesta Beverage/Proj. No. 20591-001-01

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike		RPD	Spike Amount	Sample Conc.	Matrix Spike Dup.		Flags	Units	Date Analyzed	Run Batch	Sample Spiked
	% Rec.	% Rec.				Conc.	Conc.					
TPH (Gas/BTXE, Liquid)												263263
as Gasoline	94.0	92.0	2.2	0.50	0.19	0.66	0.65		mg/L	04/19/1996	3627	263263
Benzene	--	--	--	5.90	39	--	--	NI2	ug/L	04/19/1996	3627	263263
Toluene	103.9	101.6	2.2	22.8	11	34.7	34.17		ug/L	04/19/1996	3627	263263
Bromofluorobenzene (SURR)	108.0	108.0	0.0	100	98	108	108		% Rec.	04/19/1996	3627	263263

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



**CHAIN OF CUSTODY RECORD**

103-3

COMPANY CENTURY WEST ENGINEERING  
 ADDRESS 7950 DUBLIN BLVD  
 PHONE (510) 531-7774 FAX -7776  
 PROJECT NAME/LOCATION FIOTIA BRANCH  
 PROJECT NUMBER 20591-001-01  
 PROJECT MANAGER B. BOGAR

REPORT TO: \_\_\_\_\_  
 INVOICE TO: \_\_\_\_\_  
 P.O. NO. \_\_\_\_\_  
 NET QUOTE NO. \_\_\_\_\_

SAMPLED BY Bog  
 (PRINT NAME)  
 (PRINT NAME)

SIGNATURE Bog  
 SIGNATURE

		ANALYSES										COMMENTS	
		[Hatched Area]											
4/16	MW-1	U											ST TA
"	MW-2	U											
"	MW-3	U											

CUSTODY SEALED  
 Date 4/17/96 Time 12:22 Initials AS  
 SEAL INTACT?  Yes  No Initials AS

CONDITION OF SAMPLE: BOTTLES INTACT?  YES  NO  
 FIELD FILTERED?  YES  NO  
 COC SEALS PRESENT AND INTACT?  YES  NO  
 VOLATILES FREE OF HEADSPACE?  YES  NO  
 TEMPERATURE UPON RECEIPT: 0°  
 Bottles supplied by NET?  YES  NO

SAMPLE REMAINDER DISPOSAL: RETURN SAMPLE REMAINDER TO CLIENT VIA \_\_\_\_\_  
 I REQUEST NET TO DISPOSE OF ALL SAMPLE REMAINDERS \_\_\_\_\_ DATE \_\_\_\_\_

RELINQUISHED BY: <u>Bog</u>	DATE/TIME: <u>4/17/96 9:28</u>	RECEIVED BY: <u>Smart</u>	DATE/TIME: <u>4/17/96 9:28</u>	RELINQUISHED BY: <u>Smart</u>	DATE/TIME: <u>4/17/96 17:22</u>	RECEIVED FOR NET BY: <u>J. D. Keene</u>	DATE/TIME: <u>4-18-96 08:00</u>
METHOD OF SHIPMENT: <u>NCS</u>		REMARKS:					

## KEY TO RESULT FLAGS

- \* : RPD between sample duplicates exceeds 30%.
- \*M : RPD between sample duplicates or MS/MSD exceeds 20%.
- + : Correlation coefficient for the Method of Standard Additions is less than 0.995.
- < : Sample result is less than reported value.
- B-I : Value is between Method Detection Limit and Reporting Limit.
- B-0 : Analyte found in blank and sample.
- C : The result confirmed by secondary column or GC/MS analysis.
- CNA : Cr+6 not analyzed; Total Chromium concentration below Cr+6 regulatory level.
- COMP : Sample composited by equal volume prior to analysis.
- D- : The result has an atypical pattern for Diesel analysis.
- D1 : The result for Diesel is an unknown hydrocarbon which consists of a single peak.
- DH : The result appears to be a heavier hydrocarbon than Diesel.
- DL : The result appears to be a lighter hydrocarbon than Diesel.
- DR : Elevated Reporting Limit due to Matrix.
- DS : Surrogate diluted out of range.
- DX : The result for Diesel is an unknown hydrocarbon which consists of several peaks.
- FA : Compound quantitated at a 2X dilution factor.
- FB : Compound quantitated at a 5X dilution factor.
- FC : Compound quantitated at a 10X dilution factor.
- FD : Compound quantitated at a 20X dilution factor.
- FE : Compound quantitated at a 50X dilution factor.
- FF : Compound quantitated at a 100X dilution factor.
- FG : Compound quantitated at a 200X dilution factor.
- FH : Compound quantitated at a 500X dilution factor.
- FI : Compound quantitated at a 1000X dilution factor.
- FJ : Compound quantitated at a greater than 1000x dilution factor.
- FK : Compound quantitated at a 25X dilution factor.
- FL : Compound quantitated at a 250X dilution factor.
- G- : The result has an atypical pattern for Gasoline.
- G1 : The result for Gasoline is an unknown hydrocarbon which consists of a single peak.
- GH : The result appears to be a heavier hydrocarbon than Gasoline.
- GL : The result appears to be a lighter hydrocarbon than Gasoline.
- GX : The result for Gasoline is an unknown hydrocarbon which consists of several peaks.
- HX : Peaks detected within the quantitation range do not match standard used.
- J : Value is estimated.
- MI : Matrix Interference Suspected.
- MSA : Value determined by Method of Standard Additions.
- MSA\* : Value obtained by Method of Standard Additions; Correlation coefficient is <0.995.
- NI1 : Sample spikes outside of QC limits; matrix interference suspected.
- NI2 : Sample concentration is greater than 4X the spiked value; the spiked value is considered insignificant.
- NI3 : Matrix Spike values exceed established QC limits, post digestion spike is in control.
- P7 : pH of sample > 2; sample analyzed past 7 days.
- RSC : Refer to subcontract laboratory report for QC data.
- S2 : Matrix interference confirmed by repeat analysis.
- SCN : Thiocyanate not analyzed separately; total value is below the Reporting Limit for Free Cyanide.
- UMDL : Undetected at the Method Detection Limit.



NATIONAL  
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Glenn Morelli  
Century West Engineering  
7950 Dublin Blvd., Ste 210  
Dublin, CA 94568


Date: 07/31/1996  
NET Client Acct. No: 75300  
NET Job No: 96.02213  
Received: 07/27/1996

Client Reference Information

Fiesta Beverages, Oakland, CA./Proj. No. 20591-001-01

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel free to call me at (707) 541-2307.

Submitted by:

  
\_\_\_\_\_  
Judy Ridley  
Project Coordinator

Enclosure (s)

Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.02213

Date: 07/31/1996  
ELAP Cert: 1386  
Page: 2

Ref: Fiesta Beverages, Oakland, CA./Proj. No. 20591-001-01

SAMPLE DESCRIPTION: MW-1

Date Taken: 07/15/1996

Time Taken: 09:50

NET Sample No: 266456

Parameter	Results	Flags	Reporting			Date	Date	Run
			Limit	Units	Method	Extracted	Analyzed	Batch
TPH (Gas/BTXE,Liquid)								
5030/M8015	--						07/29/1996	3695
DILUTION FACTOR*	100						07/29/1996	3695
as Gasoline	11		5.0	mg/L	5030		07/29/1996	3695
8020 (GC,Liquid)	--						07/29/1996	3695
Benzene	2,300		50	ug/L	8020		07/29/1996	3695
Toluene	450		50	ug/L	8020		07/29/1996	3695
Ethylbenzene	350		50	ug/L	8020		07/29/1996	3695
Xylenes (Total)	910		50	ug/L	8020		07/29/1996	3695
SURROGATE RESULTS	--						07/29/1996	3695
Bromofluorobenzene (SURR)	97			% Rec.	5030		07/29/1996	3695

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.02213

Date: 07/31/1996  
ELAP Cert: 1386  
Page: 3

Ref: Fiesta Beverages, Oakland, CA./Proj. No. 20591-001-01

SAMPLE DESCRIPTION: MW-2

Date Taken: 07/15/1996

Time Taken: 11:20

NET Sample No: 266457

Parameter	Results	Flags	Reporting		Method	Date	Date	Run
			Limit	Units		Extracted	Analyzed	Batch
TPH (Gas/BTXE,Liquid)								
5030/M8015	--						07/29/1996	3695
DILUTION FACTOR*	10						07/29/1996	3695
as Gasoline	0.70		0.50	mg/L	5030		07/29/1996	3695
8020 (GC,Liquid)	--						07/29/1996	3695
Benzene	160		5.0	ug/L	8020		07/29/1996	3695
Toluene	33		5.0	ug/L	8020		07/29/1996	3695
Ethylbenzene	34		5.0	ug/L	8020		07/29/1996	3695
Xylenes (Total)	48		5.0	ug/L	8020		07/29/1996	3695
SURROGATE RESULTS	--						07/29/1996	3695
Bromofluorobenzene (SURR)	89			% Rec.	5030		07/29/1996	3695

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.02213

Date: 07/31/1996  
ELAP Cert: 1386  
Page: 4

Ref: Fiesta Beverages, Oakland, CA./Proj. No. 20591-001-01

SAMPLE DESCRIPTION: MW-3

Date Taken: 07/15/1996

Time Taken: 10:35

NET Sample No: 266458

Parameter	Results	Flags	Reporting			Date	Date	Run
			Limit	Units	Method	Extracted	Analyzed	Batch
TPH (Gas/BTXE,Liquid)								
5030/M8015	--						07/29/1996	3695
DILUTION FACTOR*	10						07/29/1996	3695
as Gasoline	1.8		0.50	mg/L	5030		07/29/1996	3695
8020 (GC,Liquid)	--						07/29/1996	3695
Benzene	200		5.0	ug/L	8020		07/29/1996	3695
Toluene	220		5.0	ug/L	8020		07/29/1996	3695
Ethylbenzene	66		5.0	ug/L	8020		07/29/1996	3695
Xylenes (Total)	250		5.0	ug/L	8020		07/29/1996	3695
SURROGATE RESULTS	--						07/29/1996	3695
Bromofluorobenzene (SURR)	92			µ Rec.	5030		07/29/1996	3695

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.02213

Date: 07/31/1996  
ELAP Cert: 1386  
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Ref: Fiesta Beverages, Oakland, CA./Proj. No. 20591-001-01

## CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV	CCV	CCV	Flags	Units	Date Analyzed	Analyst Initials	Run Batch Number
	Standard % Recovery	Standard Amount Found	Standard Amount Expected					
TPH (Gas/BTXE,Liquid)								
as Gasoline	96.0	0.48	0.50		mg/L	07/29/1996	lss	3695
Benzene	110.3	22.06	20.0		ug/L	07/29/1996	lss	3695
Toluene	109.2	21.84	20.0		ug/L	07/29/1996	lss	3695
Ethylbenzene	110.2	22.03	20.0		ug/L	07/29/1996	lss	3695
Xylenes (Total)	109.5	65.72	60.0		ug/L	07/29/1996	lss	3695
Bromofluorobenzene (SURR)	100.0	100	100		% Rec.	07/29/1996	lss	3695

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.02213

Date: 07/31/1996  
ELAP Cert: 1386  
Page: 6

Ref: Fiesta Beverages, Oakland, CA./Proj. No. 20591-001-01

## METHOD BLANK REPORT

Parameter	Method	Reporting	Flags	Units	Date	Analyst	Run
	Blank						
	Found	Limit					Number
TPH (Gas/BTEX, Liquid)							
as Gasoline	ND	0.050		mg/L	07/29/1996	lss	3695
Benzene	ND	0.50		ug/L	07/29/1996	lss	3695
Toluene	ND	0.50		ug/L	07/29/1996	lss	3695
Ethylbenzene	ND	0.50		ug/L	07/29/1996	lss	3695
Xylenes (Total)	ND	0.50		ug/L	07/29/1996	lss	3695
Bromofluorobenzene (SURR)	100			‡ Rec.	07/29/1996	lss	3695

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Century West Engineering  
 Client Acct: 75300  
 NET Job No: 96.02213

Date: 07/31/1996  
 ELAP Cert: 1386  
 Page: 7

Ref: Fiesta Beverages, Oakland, CA./Proj. No. 20591-001-01

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike				Matrix Spike				Flags	Units	Date Analyzed	Run Batch	Sample Soiked
	Matrix Spike % Rec.	Matrix Spike Dup % Rec.	RPD	Spike Amount	Sample Conc.	Matrix Spike Conc.	Matrix Spike Dup. Conc.						
TPH (Gas/BTXE,Liquid)													266456
as Gasoline	91.6	96.4	5.1	50.0	11	56.8	59.2		mg/L	07/29/1996	3695		266456
Benzene	75.7	83.8	10.2	687	2,300	2,820	2,876		ug/L	07/29/1996	3695		266456
Toluene	93.3	95.1	1.9	4,072	450	4,250	4,323		ug/L	07/29/1996	3695		266456
Bromofluorobenzene (SURR)	99.0	99.0	0.0	100	97	99	99		% Rec.	07/29/1996	3695		266456

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

## KEY TO RESULT FLAGS

- \* : RPD between sample duplicates exceeds 30%.
- \*M : RPD between sample duplicates or MS/MSD exceeds 20%.
- + : Correlation coefficient for the Method of Standard Additions is less than 0.995.
- < : Sample result is less than reported value.
- B-I : Value is between Method Detection Limit and Reporting Limit.
- B-0 : Analyte found in blank and sample.
- C : The result confirmed by secondary column or GC/MS analysis.
- CNA : Cr+6 not analyzed; Total Chromium concentration below Cr+6 regulatory level.
- COMP : Sample composited by equal volume prior to analysis.
- D- : The result has an atypical pattern for Diesel analysis.
- D1 : The result for Diesel is an unknown hydrocarbon which consists of a single peak.
- DH : The result appears to be a heavier hydrocarbon than Diesel.
- DL : The result appears to be a lighter hydrocarbon than Diesel.
- DR : Elevated Reporting Limit due to Matrix.
- DS : Surrogate diluted out of range.
- DX : The result for Diesel is an unknown hydrocarbon which consists of several peaks.
- FA : Compound quantitated at a 2X dilution factor.
- FB : Compound quantitated at a 5X dilution factor.
- FC : Compound quantitated at a 10X dilution factor.
- FD : Compound quantitated at a 20X dilution factor.
- FE : Compound quantitated at a 50X dilution factor.
- FF : Compound quantitated at a 100X dilution factor.
- FG : Compound quantitated at a 200X dilution factor.
- FH : Compound quantitated at a 500X dilution factor.
- FI : Compound quantitated at a 1000X dilution factor.
- FJ : Compound quantitated at a greater than 1000x dilution factor.
- FK : Compound quantitated at a 25X dilution factor.
- FL : Compound quantitated at a 250X dilution factor.
- G- : The result has an atypical pattern for Gasoline.
- G1 : The result for Gasoline is an unknown hydrocarbon which consists of a single peak.
- GH : The result appears to be a heavier hydrocarbon than Gasoline.
- GL : The result appears to be a lighter hydrocarbon than Gasoline.
- GX : The result for Gasoline is an unknown hydrocarbon which consists of several peaks.
- HT : Analysis performed outside of the method specified holding time.
- HTC : Confirmation analyzed outside of the method specified holding time.
- HTP : Prep procedure performed outside of the method specified holding time.
- HX : Peaks detected within the quantitation range do not match standard used.
- J : Value is estimated.
- MI : Matrix Interference Suspected.
- MSA : Value determined by Method of Standard Additions.
- MSA\* : Value obtained by Method of Standard Additions; Correlation coefficient is <0.995.
- NI1 : Sample spikes outside of QC limits; matrix interference suspected.
- NI2 : Sample concentration is greater than 4X the spiked value; the spiked value is considered insignificant.
- NI3 : Matrix Spike values exceed established QC limits, post digestion spike is in control.
- ~P7 : pH of sample > 2; sample analyzed past 7 days.
- RSC : Refer to subcontract laboratory report for QC data.
- S2 : Matrix interference confirmed by repeat analysis.
- SCN : Thiocyanate not analyzed separately; total value is below the Reporting Limit for Free Cyanide.
- UMDL : Undetected at the Method Detection Limit.





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Matt Bromley  
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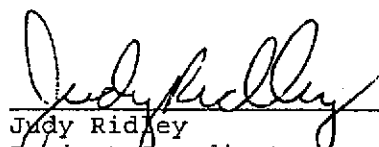
Date: 10/24/1996  
NET Client Acct. No: 75300  
NET Job No: 96.03003  
Received: 10/19/1996

Client Reference Information

Fiesta Beverages/Project No. 20591-001-01

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel free to call me at (707) 541-2307.

Submitted by:

  
\_\_\_\_\_  
Judy Ridley  
Project Coordinator

Enclosure(s)

Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.03003

Date: 10/24/1996  
ELAP Cert: 1386  
Page: 2

Ref: Fiesta Beverages/Project No. 20591-001-01

SAMPLE DESCRIPTION: MW-1  
Date Taken: 10/16/1996  
Time Taken: 15:30  
NET Sample No: 269529

Parameter	Results	Flags	Reporting			Date	Date	Run
			Limit	Units	Method	Extracted	Analyzed	Batch No.
TPH (Gas/BTXE,Liquid)								
5030/M8015	--						10/22/1996	3746
DILUTION FACTOR*	100						10/23/1996	3747
as Gasoline	21		5.0	mg/L	5030		10/23/1996	3747
8020 (GC,Liquid)	--						10/22/1996	3746
Benzene	4,200		50	ug/L	8020		10/22/1996	3746
Toluene	2,200		50	ug/L	8020		10/22/1996	3746
Ethylbenzene	650		50	ug/L	8020		10/22/1996	3746
Xylenes (Total)	2,600		50	ug/L	8020		10/22/1996	3746
SURROGATE RESULTS	--						10/22/1996	3746
Bromofluorobenzene (SURR)	112			% Rec.	5030		10/22/1996	3746

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.03003

Date: 10/24/1996  
ELAP Cert: 1386  
Page: 3

Ref: Fiesta Beverages/Project No. 20591-001-01

SAMPLE DESCRIPTION: MW-2  
Date Taken: 10/16/1996  
Time Taken: 14:45  
NET Sample No: 269530

Parameter	Results	Flags	Reporting		Method	Date	Date	Run Batch No.
			Limit	Units		Extracted	Analyzed	
TPH (Gas/BTXE,Liquid)								
5030/M8015	--						10/23/1996	3746
DILUTION FACTOR*	1						10/23/1996	3746
as Gasoline	0.19		0.050	mg/L	5030		10/23/1996	3746
8020 (GC,Liquid)	--						10/23/1996	3746
Benzene	48		0.50	ug/L	8020		10/23/1996	3746
Toluene	8.2		0.50	ug/L	8020		10/23/1996	3746
Ethylbenzene	10		0.50	ug/L	8020		10/23/1996	3746
Xylenes (Total)	13		0.50	ug/L	8020		10/23/1996	3746
SURROGATE RESULTS	--						10/23/1996	3746
Bromofluorobenzene (SURR)	115			% Rec.	5030		10/23/1996	3746

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.03003

Date: 10/24/1996  
ELAP Cert: 1386  
Page: 4

Ref: Fiesta Beverages/Project No. 20591-001-01

SAMPLE DESCRIPTION: MW-3  
Date Taken: 10/16/1996  
Time Taken: 14:15  
NET Sample No: 269531

Parameter	Results	Flags	Reporting			Date Extracted	Date Analyzed	Run Batch No.
			Limit	Units	Method			
TPH (Gas/BTXE,Liquid)								
5030/M8015	--						10/21/1996	3745
DILUTION FACTOR*	1						10/21/1996	3745
as Gasoline	2.0		0.050	mg/L	5030		10/21/1996	3745
8020 (GC,Liquid)	--						10/21/1996	3745
Benzene	340	FD	10	ug/L	8020		10/23/1996	3746
Toluene	140	FD	10	ug/L	8020		10/23/1996	3746
Ethylbenzene	100	FD	10	ug/L	8020		10/23/1996	3746
Xylenes (Total)	300	FD	10	ug/L	8020		10/23/1996	3746
SURROGATE RESULTS	--						10/21/1996	3745
Bromofluorobenzene (SURR)	116			µ Rec.	5030		10/21/1996	3745

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Ref: Fiesta Beverages/Project No. 20591-001-01

## CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV	CCV	Standard	Standard	Flags	Units	Date	Analyst	Run
	Standard	Standard							
	% Recovery	Found	Expected				Analyzed	Initials	Number
TPH (Gas/BTXE,Liquid)									
as Gasoline	111.4	0.557	0.50			mg/L	10/22/1996	cjy	3746
Benzene	102.9	20.57	20.0			ug/L	10/22/1996	cjy	3746
Toluene	101.6	20.32	20.0			ug/L	10/22/1996	cjy	3746
Ethylbenzene	100.9	20.18	20.0			ug/L	10/22/1996	cjy	3746
Xylenes (Total)	100.1	60.05	60.0			ug/L	10/22/1996	cjy	3746
Bromofluorobenzene (SURR)	101.0	101	100			% Rec.	10/22/1996	cjy	3746
TPH (Gas/BTXE,Liquid)									
as Gasoline	114.0	0.57	0.50			mg/L	10/23/1996	cjy	3747
Benzene	103.0	20.6	20.0			ug/L	10/23/1996	cjy	3747
Toluene	102.0	20.4	20.0			ug/L	10/23/1996	cjy	3747
Ethylbenzene	101.5	20.3	20.0			ug/L	10/23/1996	cjy	3747
Xylenes (Total)	100.5	60.3	60.0			ug/L	10/23/1996	cjy	3747
Bromofluorobenzene (SURR)	114.0	114	100			% Rec.	10/23/1996	cjy	3747

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



Client Name: Century West Engineering  
Client Acct: 75300  
NET Job No: 96.03003

Date: 10/24/1996  
ELAP Cert: 1386  
Page: 6

Ref: Fiesta Beverages/Project No. 20591-001-01

## METHOD BLANK REPORT

Parameter	Method	Reporting	Flags	Units	Date	Analyst	Run
	Blank						
	Found	Limit					Number
TPH (Gas/BTXE,Liquid)							
as Gasoline	ND	0.050		mg/L	10/22/1996	cjy	3746
Benzene	ND	0.50		ug/L	10/22/1996	cjy	3746
Toluene	ND	0.50		ug/L	10/22/1996	cjy	3746
Ethylbenzene	ND	0.50		ug/L	10/22/1996	cjy	3746
Xylenes (Total)	ND	0.50		ug/L	10/22/1996	cjy	3746
Bromofluorobenzene (SURR)	115			% Rec.	10/22/1996	cjy	3746
TPH (Gas/BTXE,Liquid)							
as Gasoline	ND	0.050		mg/L	10/23/1996	cjy	3747
Benzene	ND	0.50		ug/L	10/23/1996	cjy	3747
Toluene	ND	0.50		ug/L	10/23/1996	cjy	3747
Ethylbenzene	ND	0.50		ug/L	10/23/1996	cjy	3747
Xylenes (Total)	ND	0.50		ug/L	10/23/1996	cjy	3747
Bromofluorobenzene (SURR)	116			% Rec.	10/23/1996	cjy	3747

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Century West Engineering  
 Client Acct: 75300  
 NET Job No: 96.03003

Date: 10/24/1996  
 ELAP Cert: 1386  
 Page: 7

Ref: Fiesta Beverages/Project No. 20591-001-01

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike				Sample Conc.	Matrix Spike			Units	Date Analyzed	Run Batch	Sample Spiked
	Matrix Spike	Matrix Dup	RPD	Spike Amount		Matrix Spike	Matrix Dup.	Flags				
TPH (Gas/BTXE,Liquid)												269577
as Gasoline	112.4	112.0	0.4	0.50	ND	0.562	0.560		mg/L	10/22/1996	3746	269577
Benzene	105.0	102.5	2.4	8.16	ND	8.57	8.36		ug/L	10/22/1996	3746	269577
Toluene	102.2	103.3	1.1	37.43	ND	38.26	38.66		ug/L	10/22/1996	3746	269577
Bromofluorobenzene (SURR)	111.0	117.0	5.3	100	105	111	117		% Rec.	10/22/1996	3746	269577
TPH (Gas/BTXE,Liquid)												269675
as Gasoline	102.8	102.6	0.2	5.0	0.35	5.49	5.48		mg/L	10/23/1996	3747	269675
Benzene	110.4	105.5	4.5	81.5	90	180	176	FC	ug/L	10/23/1996	3747	269675
Toluene	94.3	92.4	2.0	384	ND	362	355		ug/L	10/23/1996	3747	269675
Bromofluorobenzene (SURR)	119.0	117.0	1.7	100	120	119	117		% Rec.	10/23/1996	3747	269675

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

## KEY TO RESULT FLAGS

- \* : RPD between sample duplicates exceeds 30%.
- \*M : RPD between sample duplicates or MS/MSD exceeds 20%.
- + : Correlation coefficient for the Method of Standard Additions is less than 0.995.
- < : Sample result is less than reported value.
- B-I : Value is between Method Detection Limit and Reporting Limit.
- B-0 : Analyte found in blank and sample.
- C : The result confirmed by secondary column or GC/MS analysis.
- CNA : Cr+6 not analyzed; Total Chromium concentration below Cr+6 regulatory level.
- COMP : Sample composited by equal volume prior to analysis.
- D- : The result has an atypical pattern for Diesel analysis.
- D1 : The result for Diesel is an unknown hydrocarbon which consists of a single peak.
- DH : The result appears to be a heavier hydrocarbon than Diesel.
- DL : The result appears to be a lighter hydrocarbon than Diesel.
- DR : Elevated Reporting Limit due to Matrix.
- DS : Surrogate diluted out of range.
- DX : The result for Diesel is an unknown hydrocarbon which consists of several peaks.
- FA : Compound quantitated at a 2X dilution factor.
- FB : Compound quantitated at a 5X dilution factor.
- FC : Compound quantitated at a 10X dilution factor.
- FD : Compound quantitated at a 20X dilution factor.
- FE : Compound quantitated at a 50X dilution factor.
- FF : Compound quantitated at a 100X dilution factor.
- FG : Compound quantitated at a 200X dilution factor.
- FH : Compound quantitated at a 500X dilution factor.
- FI : Compound quantitated at a 1000X dilution factor.
- FJ : Compound quantitated at a greater than 1000x dilution factor.
- FK : Compound quantitated at a 25X dilution factor.
- FL : Compound quantitated at a 250X dilution factor.
- G- : The result has an atypical pattern for Gasoline.
- G1 : The result for Gasoline is an unknown hydrocarbon which consists of a single peak.
- GH : The result appears to be a heavier hydrocarbon than Gasoline.
- GL : The result appears to be a lighter hydrocarbon than Gasoline.
- GX : The result for Gasoline is an unknown hydrocarbon which consists of several peaks.
- HT : Analysis performed outside of the method specified holding time.
- HTC : Confirmation analyzed outside of the method specified holding time.
- HTP : Prep procedure performed outside of the method specified holding time.
- HTR : Received after holding time expired, analyzed ASAP after receipt.
- HX : Peaks detected within the quantitation range do not match standard used.
- J : Value is estimated.
- MI : Matrix Interference Suspected.
- MSA : Value determined by Method of Standard Additions.
- MSA\* : Value obtained by Method of Standard Additions; Correlation coefficient is <0.995.
- NI1 : Sample spikes outside of QC limits; matrix interference suspected.
- NI2 : Sample concentration is greater than 4X the spiked value; the spiked value is considered insignificant.
- NI3 : Matrix Spike values exceed established QC limits, post digestion spike is in control.
- P : There is >40% difference between primary and confirmation analysis.
- P7 : pH of sample > 2; sample analyzed past 7 days.
- RSC : Refer to subcontract laboratory report for QC data.
- S2 : Matrix interference confirmed by repeat analysis.
- SCN : Thiocyanate not analyzed separately; total value is below the Reporting Limit for Free Cyanide.
- UMDL : Undetected at the Method Detection Limit.



**NATIONAL ENVIRONMENTAL TESTING, INC.**

**CHAIN OF CUSTODY RECORD**

COMPANY Century West Engineering Corporation  
 ADDRESS 7950 Dublin Blvd.  
 PHONE 510 551-1114 FAX \_\_\_\_\_  
 PROJECT NAME/LOCATION Fiesta Beverages  
 PROJECT NUMBER 20541-001-01  
 PROJECT MANAGER \_\_\_\_\_

REPORT TO: Glenn Morelli  
 INVOICE TO: \_\_\_\_\_  
 P.O. NO. \_\_\_\_\_  
 NET QUOTE NO. \_\_\_\_\_

SAMPLED BY J. Glenn Morelli  
 (PRINT NAME)  
 SIGNATURE [Signature]  
 (PRINT NAME)  
 SIGNATURE \_\_\_\_\_

**ANALYSES**

DATE	TIME	SAMPLE ID/DESCRIPTION	MATRIX	GRAB	COMP	# and Type of Containers					OTHER	
						HCl	NaOH	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>			
10/16	3:30	MW-1 - 2 40ml Vials										TRI-G/BTEX
	↓	↓										
	2:45	MW-2 -										
	↓	↓										
	2:15	MW-3 -										

To assist us in selecting the proper method

Is this work being conducted for regulatory compliance monitoring? Yes \_\_\_ No \_\_\_

Is this work being conducted for regulatory enforcement action? Yes \_\_\_ No \_\_\_

Which regulations apply: RCRA \_\_\_ NPDES Wastewater \_\_\_  
 UST \_\_\_ Drinking Water \_\_\_  
 Other \_\_\_ None \_\_\_

**COMMENTS**

CUSTODY SEALED  
 Date 10/18/96 Time 1730 Initials CS

SEAL INTACT?  
 Yes ✓ No \_\_\_ Initials CS

CONDITION OF SAMPLE: BOTTLES INTACT? YES / NO  
 FIELD FILTERED? YES / NO

COC SEALS PRESENT AND INTACT? YES / NO  
 VOLATILES FREE OF HEADSPACE? YES / NO

TEMPERATURE UPON RECEIPT: 1.10°C  
 Bottles supplied by NET? YES / NO

SAMPLE REMAINDER DISPOSAL: RETURN SAMPLE REMAINDER TO CLIENT VIA \_\_\_\_\_  
 I REQUEST NET TO DISPOSE OF ALL SAMPLE REMAINDERS \_\_\_\_\_ DATE \_\_\_\_\_

RELINQUISHED BY: <u>[Signature]</u>	DATE: <u>10/18</u>	TIME: <u>9:40</u>	RECEIVED BY: <u>[Signature]</u>	DATE: <u>10/18/96</u>	TIME: <u>941</u>	RELINQUISHED BY: <u>[Signature]</u>	DATE: <u>10/18/96</u>	TIME: <u>1730</u>	RECEIVED FOR NET BY: <u>[Signature]</u>
METHOD OF SHIPMENT			REMARKS:			10/19/96 CSAS			

VIA NCS