STID 1777

February 15, 1996

Ms. Susan Hugo
Alameda County Health Care
Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Re: 1150 Park Avenue, Emeryville, CA
STID #1777

Dear Ms. Hugo:

Enclosed is the 4th Quarter 1995 status report for the subject New Century Beverage Co. ground water investigation. This report addresses occurrences beneath the subject property in the vicinity of two former fuel tanks operated by the New Century Beverage Co., as discussed in Weiss Associates' January 27, 1995 Remedial Action Plan. Two other hydrocarbon occurrences in ground water beneath the facility have been shown to be the responsibility of other parties. Pursuant to your August 7, 1995 letter, we will submit quarterly status reports on site activities for these two occurrences in the future.

I certify under penalty of perjury that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true and accurate, and I am in agreement with the conclusions and/or recommendations in the report. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Please call Jim Ponton or Jeff Root of Weiss Associates at (510) 450-6000 if you have any questions or comments on the enclosed technical work plan.

Sincerely,
New Century Beverage Co.

Jerry Tidwell

Enc.
JT/jdp

cc: Mr. Paul Morici, Pepsi-Cola Corp.
Paul Milmed, Esq., White & Case
Mr. Ray Plock, Raymond Plock & Associates

Raymond Plock
Raymond Plock and Associates
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Weiss Associates *Environmental and Geologic Services*

5500 Shellmound Street, Emeryville, CA 94608-2411 *FAX: 510-547-5043 Phone: **510-450-6000***

TRANSMITTAL

DATE: February 13, 1996 **PROJECT #:** 1140307-19

TO: Ms. Susan Hugo **PHONE:** (510) 567-6780

COMPANY: Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502 **FAX:** (510) 337-9335

FROM: Jim D. Ponton, (510) 450-6130

ENCLOSED PLEASE FIND: **4th Quarter 1995 Status Report for the New Century Beverage Co., 1150 Park Avenue, Emeryville, CA**

VIA:	FAX:	AS:	FOR:
☐ Fax	# of pages: _____ (including this cover)	☐ Per our phone call	☑ Your information
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☐ UPS (Surface)		☐ We believe you may be interested	☐ Your review & comments
☑ Courier			

Please call (510) 450-6000 if there are any problems with transmission.

Dear Susan:

Attached please find a copy of the 4th Quarter 1995 Ground Water Status Report for the New Century Beverage Company, located at 1150 Park Avenue, Emeryville, California.

Please call me at (510) 450-6130 if you have any questions or comments regarding this report.

Sincerely,

James D. Ponton

James D. Ponton

DOCUMENT2

Weiss Associates Environmental and Geologic Services

5500 Shellmound Street, Emeryville, CA 94608-2411 Fax: 510-547-5043 Phone: **510-450-6000**

February 12, 1996

Mr. Jerry Tidwell
New Century Beverage Company
1150 Park Avenue
Emeryville, California 94608

Re: **Fourth Quarter 1995 Status Report**
1150 Park Avenue, Emeryville, CA
WA Project # 14-0307-09

Dear Mr. Tidwell:

This report documents the Fourth Quarter 1995 (October 1995 - December 1995) ground water monitoring activities conducted by Weiss Associates (WA) for the New Century Beverage Company, 1150 Park Avenue, Emeryville, California (Figure 1). In December 1995, WA measured water levels in all site wells and collected ground water samples from selected site wells for hydrocarbon analysis. These activities are described below and a schedule for First Quarter 1996 activities is also provided.

During the reporting period, ground water elevations and flow direction were generally consistent with historical data. Hydrocarbon concentrations in shallow ground water samples for this period are generally consistent with historical trends, and ranged from not detected (ND) in monitoring wells MW-7, -8, -10, and -11, to 6.19 parts per million (ppm) total extractable hydrocarbons (TEH) in MW-5, and 4.5 ppm total volatile hydrocarbons (TVH) in MW-13.

Benzene was detected in ground water samples collected from monitoring wells MW-5, MW-12, and MW-13 and appears to remain isolated to the small area around these three wells.

Water Level Measurements

On December 20, 1995, WA measured water levels in all onsite monitoring wells with the exception of monitoring well MW-6. The upper one foot of well casing in MW-6 was damaged in early December during excavation of the former diesel tank pit and was therefore not included in the December 20th round of water level measurements and ground water sampling. The monitoring well MW-6 casing was repaired on January 5, 1996.

Historical water level measurements and calculated ground water elevations are shown on Table 1, and ground water elevation contours and estimated flow direction are shown on Figure 2. Ground water level elevations increased between about 0.17 ft to 2.61 ft in all site monitoring

wells as compared to Third Quarter 1995 ground water level elevations. Fourth Quarter 1995 ground water elevation data indicate that shallow ground water flowed generally southwestward on December 20, 1995. This southwestward ground water flow direction is consistent with historical data for the site.

Ground Water Sampling and Analysis

On December 20, 1995, WA collected ground water samples for chemical analysis from monitoring wells MW-5, -7, -8, -10, -11, -12, -13, and -14. At least three well volumes of ground water were purged from each well that did not purge dry, using dedicated PVC bailers. In these wells, the ground water pH, temperature and electrical conductivity were monitored until stabilization to ensure that a representative sample was collected. The samples were decanted from the dedicated PVC bailers into appropriate containers, and immediately refrigerated for shipment to Curtis and Tompkins, Ltd., a State-certified laboratory located in Berkeley, California. A blind duplicate sample from monitoring well MW-13 was submitted for analysis as a quality control measure.

Ground water samples were analyzed for:

- Total volatile hydrocarbons as gasoline (TVH-G) for wells MW-5, -7, -8, -10, -11, -12, -13, and -14 using the California Department of Health Services (DHS) Leaking Underground Fuel Tank (LUFT) Method (modified EPA Method 8015);
- Total extractable hydrocarbons (TEH) for wells MW-5, -7, -8,-10, -11, -12, -13, and -14 using the DHS LUFT Method (modified EPA Method 8015);
- Benzene, toluene, ethyl benzene, and total xylenes (BTEX) for wells MW-5, -7, -8, -10, -11, -12, -13, and -14 using EPA Method 8020 (Purgeable Aromatic Compounds), and
- Methyl Tertiary Butyl Ether (MTBE) for well MW-7 using EPA Method 8020.

Analytic results are presented in Table 2 along with historical results for the monitoring wells. Figure 3 shows benzene isoconcentration contours for December 20, 1995.

Analytic Results and Discussion

No hydrocarbons were detected in wells MW-8, downgradient of former Tank No. 1, or in well MW-10 downgradient of former Tank No. 2. TVH-G were detected in monitoring wells MW-12, -13 and -14. Low concentrations of TEH were detected in monitoring wells MW-5, -12, -13, and -14. BTEX were detected in monitoring wells MW-5, -12, and -13. Benzene concentrations exceeding the 0.001 ppm maximum contaminant level (MCL) remain isolated to a

small area encompassing monitoring wells MW-5, -12 and -13 (Figure 3). No MTBE was reported in well MW-7.

SCHEDULED FIRST QUARTER 1996 ACTIVITIES

WA will conduct the First Quarter 1996 ground water sampling on or about March 21, 1996. First Quarter 1996 activities will be reported by May 15, 1996.

The field work presented in this report was conducted under the supervision of Jim D. Ponton, the Weiss Associates project manager for the New Century Beverage Company Emeryville, California, site.

Weiss Associates appreciates the opportunity to provide environmental consulting services to the New Century Beverage Company. Please call Jim D. Ponton or Jeff Root at (510) 450-6000 if you have any questions or comments regarding this report.

Sincerely,
Weiss Associates

James D. Ponton, R.G.
Project Geologist

J. Jeffrey Root, R.E.A.
Senior Project Manager

Attachments:
Figure 1. Site Location Map
Figure 2. Ground Water Elevation Contours and Estimated Flow Direction - December 20, 1995
Figure 3. Benzene Isoconcentration Contour - December 20, 1995
Table 1: Historical Ground Water Elevations
Table 2: Ground Water Analytical Results
Attachment A - Analytical Reports and Chain-of-Custody

cc:
Paul Morici, Pepsi-Cola Corporation, 1 Pepsi Way, MD 850, Somers, NY 10589
Raymond Plock, Raymond Plock & Associates, 28 Craig Avenue, Piedmont, CA 94611
Indrajit Obeysekere, Esq., Kaiser Foundation Hospitals, Inc., 1950 Franklin Street, 17th Floor, Oakland, CA 94612
David Harnish, ENVIRON, 5820 Shellmound Street, Suite 700, Emeryville, CA 94608

JDP/JJR:sjh
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FIGURES

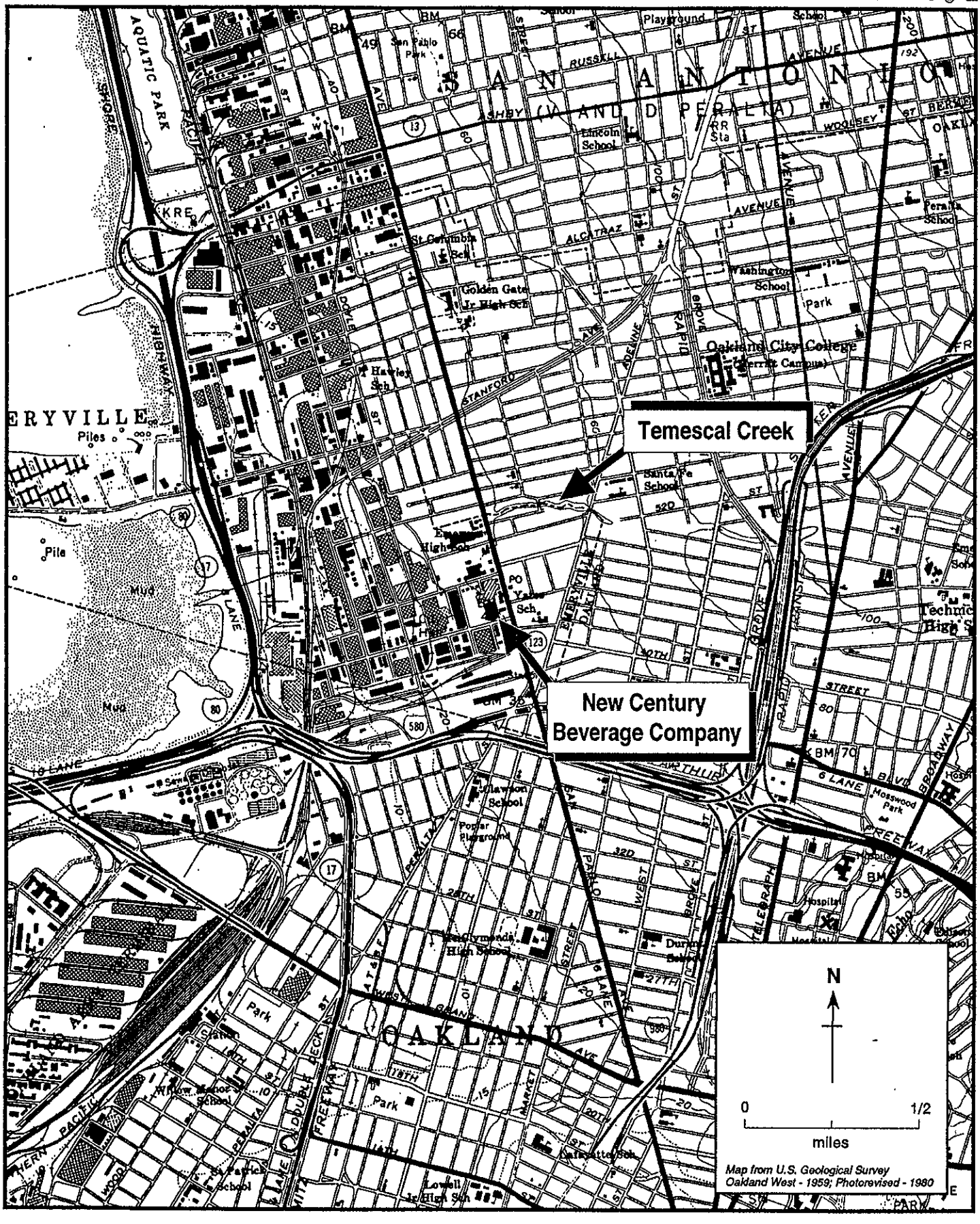

Figure 1. Site Vicinity Map - New Century Beverage Company, 1150 Park Avenue, Emeryville, California

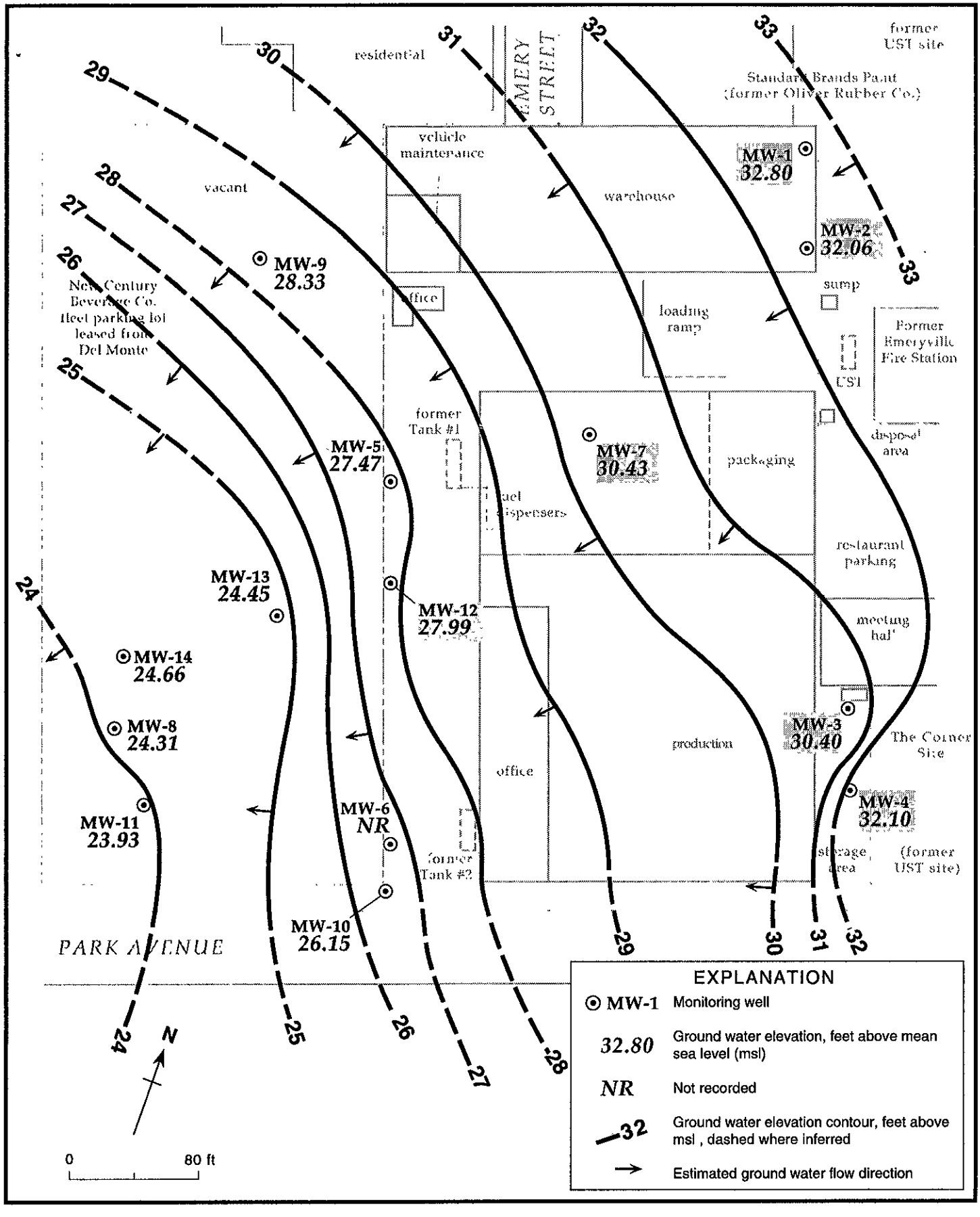

Figure 2. Ground Water Elevation Contours and Estimated Flow Direction - December 20, 1995 - New Century Beverage Company, 1150 Park Avenue, Emeryville, California

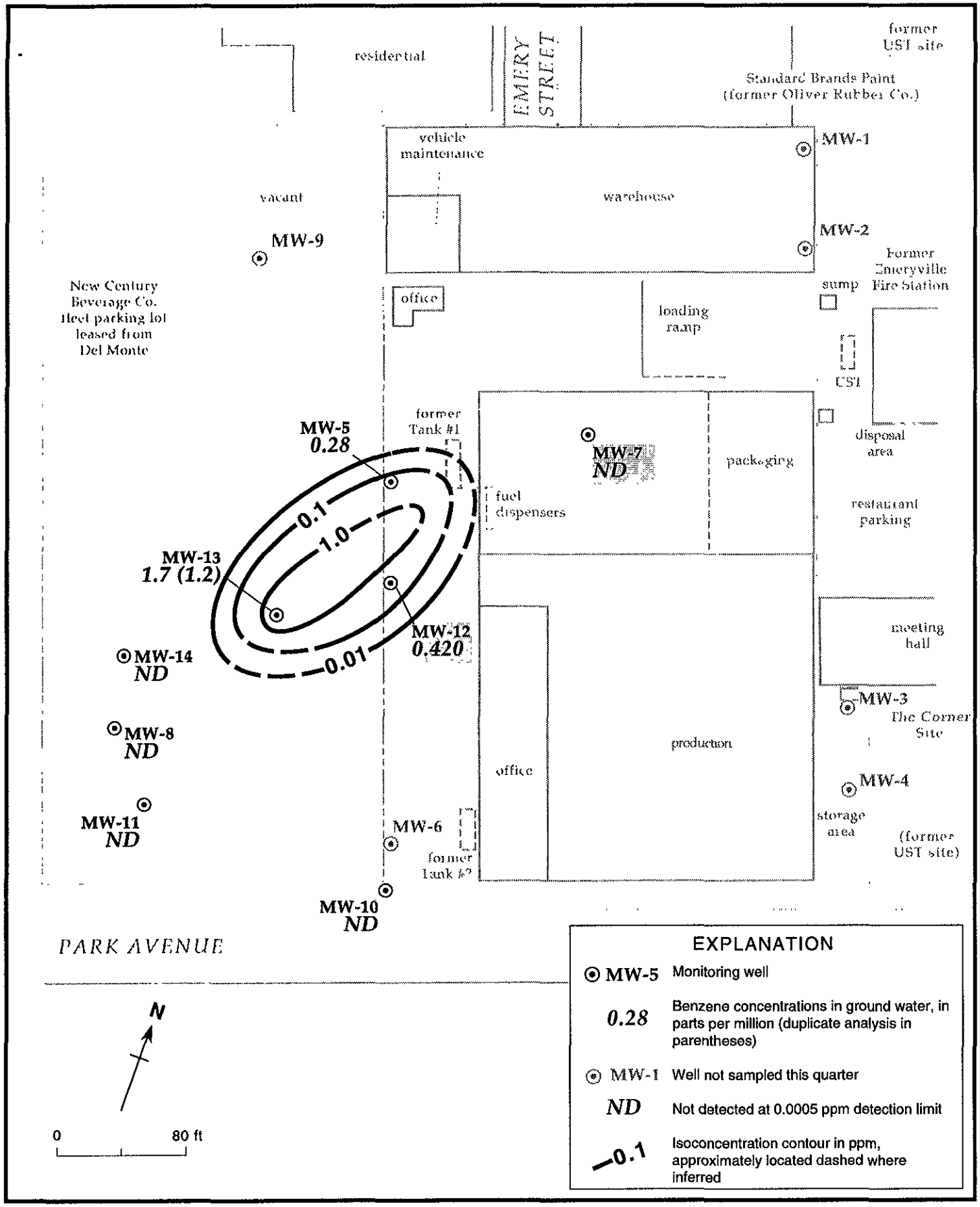

Figure 3. Benzene Isoconcentration Contours in Ground Water - December 20, 1995 - New Century Beverage Company, 1150 Park Avenue, Emeryville, California

TABLES

Table 1. Historical Ground Water Elevations - New Century Beverage Co., 1150 Park Avenue, Emeryville, California

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft)	Ground Water Elevation (ft above msl)
MW-1	03/27/94	38.74	5.90	32.84
	03/29/94		5.89	32.85
	04/15/94		6.24	32.50
	05/20/94		5.79	32.95
	02/28/95		5.13	33.61
	06/27/95		7.69	31.05
	09/21/95		8.25	30.19
	12/20/95		**5.94**	**32.80**
MW-2	03/27/94	38.87	6.57	32.30
	03/29/94		6.58	32.29
	04/15/94		6.86	32.01
	05/20/94		6.45	32.42
	02/28/95		5.64	33.23
	06/27/95		7.34	31.53
	09/21/95		8.80	30.07
	12/20/95		**6.81**	**32.06**
MW-3	03/27/94	40.79	10.75	30.04
	03/29/94		10.69	30.10
	04/15/94		10.90	29.89
	05/20/94		10.81	29.98
	02/28/95		10.35	30.44
	06/27/95		10.43	30.36
	09/21/95		10.65	30.14
	12/20/95		**10.39**	**30.40**
MW-4	03/27/94	40.15	8.23	31.92
	03/29/94		8.21	31.94
	04/15/94		8.78	31.37
	05/20/94		8.54	31.61
	02/28/95		7.71	32.44
	06/27/95		7.90	32.25
	09/21/95		8.50	31.65
	12/20/95		**8.05**	**32.10**
MW-5	03/27/94	36.49	8.02	28.47
	03/29/94		7.93	28.56
	04/15/94		8.10	28.39
	05/20/94		7.88	28.61
	10/20/94		9.45	27.04
	02/28/95		7.57	28.92
	06/27/95		8.99	27.50
	09/21/95		9.56	26.91
	12/20/95		**9.02**	**27.47**
MW-6	03/27/94	35.52	9.60	25.92
	03/29/94		9.59	25.93
	04/15/94		9.64	25.88
	05/20/94		9.47	26.05

Table 1. Historical Ground Water Elevations - New Century Beverage Co., 1150 Park Avenue, Emeryville, California

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft)	Ground Water Elevation (ft above msl)
	10/20/94		10.51	25.01
	02/28/95	35.53[1]	8.54	26.99
	06/27/95		10.02	25.51
	09/21/95		10.47	25.05
	12/20/95[a]		**----**	**----**
MW-7	03/27/94	37.53	7.25	30.28
	03/29/94		7.27	30.26
	04/15/94		7.47	30.06
	05/20/94		7.25	30.28
	10/20/94		8.87	28.66
	02/28/95		6.89	30.64
	06/27/95		7.90	29.63
	09/21/95		8.81	28.72
	12/20/95		**7.10**	**30.43**
MW-8	04/05/94	33.11	9.03	24.08
	04/15/94		8.94	24.17
	05/20/94		8.70	24.41
	10/20/94		10.00	23.11
	02/28/95		8.48	24.63
	06/27/95		9.64	23.47
	09/21/95		9.83	23.28
	12/20/95		**8.80**	**24.31**
MW-9	04/05/94	36.06	7.60	28.46
	04/15/94		7.60	28.46
	05/20/94		7.39	28.67
	02/28/95		6.85	29.21
	06/27/95		8.31	27.75
	09/21/95		8.75	27.31
	12/20/95		**7.73**	**28.33**
MW-10	10/20/94	35.03	10.14	24.89
	02/28/95		8.98	26.05
	06/27/95		9.59	25.44
	09/21/95		10.00	25.03
	12/20/95		**8.88**	**26.15**
MW-11	10/20/94	32.74	9.71	23.03
	02/28/95		7.66	25.08
	06/27/95		8.86	23.88
	09/21/95		9.44	23.30
	12/20/95		**8.81**	**23.93**
MW-12	10/20/94	36.18	12.66	23.52
	02/28/95		7.60	28.58
	06/27/95		9.56	26.62
	09/21/95		10.17	26.01
	12/20/95		**8.19**	**27.99**
MW-13	02/28/95	34.65	8.72	25.93

Table 1. Historical Ground Water Elevations - New Century Beverage Co., 1150 Park Avenue, Emeryville, California

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft)	Ground Water Elevation (ft above msl)
	06/27/95		8.99	25.66
	09/21/95		10.37	24.28
	12/20/95		**10.20**	**24.45**
MW-14	06/27/95	33.68	9.88	23.80
	09/21/95		10.07	23.61
	12/20/95		**9.02**	**24.66**

Notes:

[1]Resurveyed 3/13/95

[2]Well MW-6 damaged by excavation therefore, no water level was taken at MW-6 on 12/20/95. Well MW-6 repaired 1/05/96.

Table 2. Ground Water Analytical Results - New Century Beverage Co., 1150 Park Avenue, Emeryville, California

Well/ Boring ID	Date Sampled	TVH-G	TEH	Benzene	Toluene	Ethyl-benzene	Xylenes	1,2-DCA	PCE	Other HVOCs	MTBE
		< parts per million (mg/L) >									
MW-1	03/29/94	ND	ND (1)	ND	ND	ND	ND	ND	ND	ND	---
	05/20/94	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
MW-2	03/29/94	2.4	37 (D)	0.017	ND (0.001)	0.005	0.015	ND	ND	ND	---
	05/20/94	1.9	6.7	0.021	0.0086	0.0061	0.0059	ND	ND	ND	---
MW-3	03/29/94	ND	ND (1)	ND	ND	ND	ND	ND	ND	ND	---
	05/20/94	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
MW-4	03/29/94	0.13	ND (1)	ND	ND	ND	ND	ND	ND	0.017 CB 0.004 1,2-DCB	---
	05/20/94	0.22	[b]	0.0006	0.0015	0.0011	0.0035	ND	ND	0.017 CB 0.005 1,2-DCB	---
	06/01/94	---	ND	---	---	---	---	---	---	---	---
MW-5	03/29/94	2.1	30 (K)	0.39	ND (0.003)	ND (0.003)	0.18	ND	ND	ND	---
	05/20/94	2.3	2.7 (D)	0.49	0.005	0.033	0.23	ND	ND	ND	---
	10/20/94	0.77	9(K)	0.23	ND(0.001)	0.019	0.077	---	---	---	---
split[d]	10/20/94	---	ND	---	---	---	---	---	---	---	---
	02/28/95	1.2	3.6 (D)	0.33	0.0016	0.041	0.013	---	---	---	---
	06/27/95	0.72	2.1 (D)	0.28	ND	ND	ND	---	---	---	ND
	09/21/95	0.71	3.5[g]	0.24	0.0021	0.045[j]	ND	---	---	---	---
	12/20/95	**0.86**	**6.10[g]**	**0.28**	**0.003**	**0.039**	**0.0059**	---	---	---	---
MW-6	03/29/94	ND	5 (D)	ND	ND	ND	ND	ND	ND	ND	---
	05/20/94	ND	2.4 (D)	ND	ND	ND	ND	ND	ND	ND	---
	10/20/94	0.055	ND	ND	ND	0.0021	0.0024	---	---	---	---
split[e]	10/20/94	---	0.27 (D)	---	---	---	---	---	---	---	---
	02/28/95	---	0.78 (D)	ND	ND	ND	ND	---	---	---	---
	06/27/95	ND	0.51 (D)	ND	ND	ND	ND	---	---	---	ND
	09/21/95	---	0.96[g,h]	ND	ND	ND	ND	---	---	---	---
	12/20/95[k]										

Table 2. Ground Water Analytical Results - New Century Beverage Co., 1150 Park Avenue, Emeryville, California (continued)

Well/ Boring ID	Date Sampled	TVH-G	TEH	Benzene	Toluene	Ethyl-benzene	Xylenes	1,2-DCA	PCE	Other HVOCs	MTBE
		<---------- parts per million (mg/L) ---------->									
MW-7	03/29/94	0.16	ND (1)	ND	ND	ND	ND	ND	ND	ND	---
dup	03/29/94	ND	ND (1)	ND	ND	ND	ND	ND	ND	ND	---
	05/20/94	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
split[a]	05/20/94	ND	ND	ND	ND	ND	ND	ND (0.0005)	ND (0.0005)	ND	---
dup	05/20/94	ND	[b]	ND	ND	ND	ND	ND	ND	ND	---
dup	06/01/94	---	ND	---	---	---	---	---	---	---	---
	10/20/94	ND	ND	ND	ND	ND	ND	---	---	---	---
	02/28/95	ND	ND	ND	ND	ND	ND	---	---	---	---
	06/27/95	ND	ND	ND	ND	ND	ND	---	---	---	ND
	09/21/95	ND	0.110[g]	ND	ND	ND	ND	---	---	---	ND
	~~12/20/95~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	---	---	---	---
MW-8	04/05/94	ND	ND (1)	ND	ND	ND	ND	ND	ND	ND	---
split[a]	04/05/94	ND(0.01)	ND (1)	ND(0.0003)	0.0004	ND(0.0003)	ND(0.0003)	ND	ND	ND	---
	05/20/94	ND	ND[c]	ND	ND	ND	ND	ND	ND	ND	---
	10/20/94	ND	ND	ND	ND	ND	ND	---	---	---	---
split[e]	10/20/94	---	ND	---	---	---	---	---	---	---	---
	02/28/95	ND	ND	ND	ND	ND	ND	---	---	---	---
	06/27/95	ND	ND	ND	ND	ND	ND	---	---	---	ND
	09/21/95	ND	ND	ND	ND	ND	ND	---	---	---	---
	~~12/20/95~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	---	---	---	---
MW-9	04/05/94	ND	ND (1)	ND	ND	ND	ND	ND	ND	ND	---
	05/20/94	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
MW-10	10/20/94	ND	ND	ND	ND	ND	ND	---	---	---	---
split[e]	10/20/94	---	ND	---	---	---	---	---	---	---	---
	02/28/95	---	ND	ND	ND	ND	ND	---	---	---	---
	06/27/95	ND	ND	ND	ND	ND	ND	---	---	---	ND
	09/21/95	---	ND	ND	ND	ND	ND	---	---	---	---
	~~12/20/95~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	---	---	---	---

Table 2. Ground Water Analytical Results - New Century Beverage Co., 1150 Park Avenue, Emeryville, California (continued)

Well/ Boring ID	Date Sampled	TVH-G	TEH	Benzene	Toluene	Ethyl-benzene	Xylenes	1,2-DCA	PCE	Other HVOCs	MTBE
		< parts per million (mg/L) >									
MW-11	10/20/94	ND	ND	ND	ND	ND	ND	---	---	---	---
split[d]	10/20/94	ND	ND	ND(0.0003)	ND(0.0003)	ND(0.0003)	ND	---	---	---	---
	02/28/95	ND	ND	ND	ND	ND	ND	---	---	---	---
	06/27/95	ND	ND	ND	ND	ND	ND	---	---	---	ND
	09/21/95	ND	0.10[g,i]	ND	ND	ND	ND	---	---	---	---
	12/20/95	ND	ND	ND	ND	ND	ND	---	---	---	---
MW-12	10/20/94	0.087	0.13(K)	0.0063	ND	0.0014	0.0027	---	---	---	---
split[d]	10/20/94	0.057	ND	0.0073	ND(0.0003)	0.0016	0.0029	---	---	---	---
	02/28/95	0.16	0.077 (K)	0.018	ND	0.0028	0.0027	---	---	---	---
	06/27/95	ND	0.16 (K)	0.011	ND	ND	0.0009	---	---	---	ND
	09/21/95	ND	0.140[g,i]	0.0015	ND	ND	ND	---	---	---	---
	12/20/95	2.8	0.610[g,i]	0.420	0.018	0.170	0.500	---	---	---	---
MW-13	02/28/95	5.8	1.0 (K)	0.76	0.021	0.049	0.58	---	---	---	---
dup	02/28/95	6.3	0.74 (K)	0.77	0.013	0.058	0.58	---	---	---	---
	06/27/95	4.7	0.35 (K)	1.6	0.010	0.26	0.40	---	---	---	ND (0.036)
dup	06/27/95	3.8	0.32 (K)	2.0	ND (0.018)	0.27	0.39	---	---	---	ND (0.072)
	09/21/95	4.1	0.340[g,i]	1.1	0.0034	0.15	0.123	---	---	---	---
	09/21/95	3.7	0.400[g,i]	1.1	0.008	0.130	0.158	---	---	---	---
	12/20/95	4.5	0.150[g]	1.7	0.012	0.160	0.273	---	---	---	---
dup	12/20/95	3.5	0.590[g,i]	1.2	0.013	0.086	0.258	---	---	---	---
MW-14	06/27/95	ND	ND	ND	ND	ND	ND	---	---	---	ND
	09/21/95	ND	ND	ND	ND	ND	ND	---	---	---	---
	12/20/95	ND	0.120[g]	ND	ND	ND	ND	---	---	---	---
Travel Blank	03/29/94	ND	---	ND	ND	ND	ND	ND	ND	ND	---
	04/05/94	ND	---	ND	ND	ND	ND	ND	ND	ND	---
	05/20/94	ND	---	ND	ND	ND	ND	ND	ND	ND	---
	10/20/94	ND	---	ND	ND	ND	ND	---	---	---	---
split[d]	10/20/94	ND	---	ND(0.0003)	ND(0.0003)	ND(0.0003)	ND	---	---	---	---
split[e]	10/20/94	ND	---	ND	ND	ND	ND	---	---	---	---

Table 2. Ground Water Analytical Results - New Century Beverage Co., 1150 Park Avenue, Emeryville, California (continued)

Well/ Boring ID	Date Sampled	TVH-G	TEH	Benzene	Toluene	Ethyl-benzene	Xylenes	1,2-DCA	PCE	Other HVOCs	MTBE
		<---------- parts per million (mg/L) ---------->									
Bailer Blank	03/29/94	ND	ND (1)	ND	ND	ND	ND	ND	ND	ND	---
	04/05/94	ND	ND (1)	ND	ND	ND	ND	ND	ND	ND	---
	05/20/94	ND	0.42[b]	ND	ND	ND	ND	ND	ND	ND	---
	02/28/95	ND	ND	ND	ND	ND	ND	---	---	---	---
	06/27/95	ND	ND	ND	ND	ND	ND	--	---	---	ND
		0.05	0.05 (K,D)	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001-0.02	0.002
MCL		NE	NE	0.001	0.1[f]	0.68	1.75	0.0005	0.005	0.13 1,2-DCB[f] 0.03 CB	NE

Table 2. Ground Water Analytical Results - New Century Beverage Co., 1150 Park Avenue, Emeryville, California (continued)

Abbreviations:

TVH-G = Total volatile hydrocarbons as gasoline detected by EPA Method 8015, modified by DHS note: Mineral spirits were also screened with this method for analyses prior to 10/20/94, however, all detectable TVH was characterized as gasoline.

TEH = Total extractable hydrocarbons [kerosene (K) and diesel (D)] detected by EPA Method 8015, modified per DHS notes: Hydraulic oil and motor oil were also screened with this method for analyses prior to 10/20/94, however, all detected TEH was characterized as kerosene or diesel. All reported kerosene-range TEH was characterized as a fraction of gasoline compounds by the analytical laboratory.

BTEX = Benzene, toluene, ethylbenzene, and xylenes.

HVOCs = Halogenated volatile organic compounds detected by EPA Method 8010

MTBE = Methyl-tert-butyl ether by EPA Method 8020

ND = Not detected at standard detection limit specified on the last row of the table

ND(**n**) = Not detected at detection limit of **n** ppm, due to dilution of sample prior to analysis

--- = Not analyzed

MCL = Maximum Contaminant Level for Drinking Water established by the California Department of Toxic Substances Control

NE = Not established

Notes:

Benzene, toluene, ethylbenzene, xylenes and MTBE were analyzed by EPA Method 8020.

Analyses performed by Curtis & Tompkins, Ltd. of Berkeley, CA except as noted (CA DHS certification # 1459)

a. Split duplicate analysis performed by GTEL Environmental Laboratories, Inc. of Concord, CA (CA DHS certification # E1075)
b. TEH as diesel was detected at 0.42 ppm in the bailer blank collected on 5/20/94, and similar concentrations were reported in well MW-4 (0.31 ppm) and MW-7 (0.45 ppm) samples. Since no TEH was detected in earlier MW-4 and MW-7 samples, this indicated the samples were contaminated with the sampling equipment. Samples were collected in wells MW-4 and MW-7 again on 6/01/94, and no TEH was detected in either sample, consistent with the 3/94 results.
c. Although no TEH as diesel, kerosene or motor oil was reported, the laboratory reported a single peak on the gas chromatogram that was identified as pentatriacontane (a nonhazardous alkane or paraffin organic compound C36H74) using EPA Method 8270 (Gas chromatography with Mass spectrometry)
d. Split duplicate analysis performed by WEST Laboratory of Sacramento, CA (CA DHS certification #1346)
e. Split duplicate analysis performed by Superior Precision Analytical Laboratories, Inc. of Martinez, CA (CA DHS certification #1542)
f. DTSC Recommended Action Level - no MCL established
g. Sample exhibits fuel pattern that does not resemble standard
h. Heavier hydrocarbons than indicated standard
i. Lighter hydrocarbons than indicated standard
j. Presence of this compound confirmed by second column; however, the confirmation concentration differed from the reported result by more than a factor of two
k. Well MW-6 damaged by excavation. Not sampled 12/20/95. Repaired 1/5/96.
l. Sample exhibits single unknown peak or peaks.

ATTACHMENT A

LABORATORY ANALYTIC REPORTS AND CHAIN-OF-CUSTODY FORMS
DECEMBER 20, 1995

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710. Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

Weiss Associates
5500 Shellmound Street
Emeryville, CA 94608

Date: 05-JAN-96
Lab Job Number: 123814
Project ID: 14-0307-09
Location: N/A

Reviewed by: _____

Reviewed by: _____

TVH-Total Volatile Hydrocarbons

Client: Weiss Associates
Project#: 14-0307-09

Analysis Method: CA LUFT (EPA 8015M)
Prep Method: EPA 5030

Sample #	Client ID		Batch #	Sampled	Extracted	Analyzed	Moisture
123814-001	4Q307-05	MW-5	25027	12/20/95	12/28/95	12/28/95	
123814-002	4Q307-07	MW-7	25027	12/20/95	12/28/95	12/28/95	
123814-003	4Q307-08	MW-8	25027	12/20/95	12/28/95	12/28/95	
123814-004	4Q307-10	MW-10	25027	12/20/95	12/28/95	12/28/95	

Analyte Diln Fac:	Units	123814-001 1		123814-002 1	123814-003 1	123814-004 1
Gasoline	ug/L	860		<50	<50	<50
Surrogate						
Trifluorotoluene	%REC	93		87	90	89
Bromobenzene	%REC	153	*	87	98	96

* Values outside of QC limits

BTXE

Client: Weiss Associates
Project#: 14-0307-09

Analysis Method: EPA 8020
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
123814-001	4Q307-05 MW-5	25027	12/20/95	12/28/95	12/28/95	
123814-002	4Q307-07 MW-7	25027	12/20/95	12/28/95	12/28/95	
123814-003	4Q307-08 MW-8	25027	12/20/95	12/28/95	12/28/95	
123814-004	4Q307-10 MW-10	25027	12/20/95	12/28/95	12/28/95	

Analyte	Units	123814-001	123814-002	123814-003	123814-004
Diln Fac:		1	1	1	1
Benzene	ug/L	280	<0.5	<0.5	<0.5
Toluene	ug/L	3	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	39	<0.5	<0.5	<0.5
m,p-Xylenes	ug/L	<0.5	<0.5	<0.5	<0.5
o-Xylene	ug/L	5.9	<0.5	<0.5	<0.5
Surrogate					
Trifluorotoluene	%REC	88	83	84	87
Bromobenzene	%REC	109	77	86	85

TVH-Total Volatile Hydrocarbons

Client: Weiss Associates
Project#: 14-0307-09

Analysis Method: CA LUFT (EPA 8015M)
Prep Method: EPA 5030

Sample #	Client ID		Batch #	Sampled	Extracted	Analyzed	Moisture
123814-005	4Q307-11	MW-11	25027	12/20/95	12/28/95	12/28/95	
123814-006	4Q307-12	MW-12	25035	12/20/95	12/28/95	12/28/95	
123814-007	4Q307-13	MW-13	25076	12/20/95	12/29/95	12/29/95	
123814-008	4Q307-14	MW-14	25027	12/20/95	12/28/95	12/28/95	

Analyte Diln Fac:	Units	123814-005 1	123814-006 3	123814-007 10	123814-008 1
Gasoline	ug/L	<50	2800	4500	<50
Surrogate					
Trifluorotoluene	%REC	92	86	86	93
Bromobenzene	%REC	97	102	100	107

BTXE

Client: Weiss Associates
Project#: 14-0307-09

Analysis Method: EPA 8020
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
123814-005	4Q307-11 MW-11	25027	12/20/95	12/28/95	12/28/95	
123814-006	4Q307-12 MW-12	25035	12/20/95	12/28/95	12/28/95	
123814-007	4Q307-13 MW-13	25076	12/20/95	12/29/95	12/29/95	
123814-008	4Q307-14 MW-14	25027	12/20/95	12/28/95	12/28/95	

Analyte Diln Fac:	Units	123814-005 1	123814-006 3	123814-007 10	123814-008 1
Benzene	ug/L	<0.5	420	1700	<0.5
Toluene	ug/L	<0.5	18	12	<0.5
Ethylbenzene	ug/L	<0.5	170	160	<0.5
m,p-Xylenes	ug/L	<0.5	360	230	<0.5
o-Xylene	ug/L	<0.5	140	43	<0.5
Surrogate					
Trifluorotoluene	%REC	85	87	89	88
Bromobenzene	%REC	85	91	96	96

TVH-Total Volatile Hydrocarbons

Client: Weiss Associates
Project#: 14-0307-09

Analysis Method: CA LUFT (EPA 8015M)
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
123814-009	4Q307-15 MW-13 DUP	25035	12/20/95	12/28/95	12/28/95	

Analyte Diln Fac:	Units	123814-009 5
Gasoline	ug/L	3500
Surrogate		
Trifluorotoluene	%REC	84
Bromobenzene	%REC	94

BTXE

Client: Weiss Associates
Project#: 14-0307-09

Analysis Method: EPA 8020
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
123814-009	4Q307-15 MW-3 dup	25035	12/20/95	12/28/95	12/28/95	

Analyte	Units	123814-009
Diln Fac:		5
Benzene	ug/L	1200
Toluene	ug/L	13
Ethylbenzene	ug/L	86
m,p-Xylenes	ug/L	220
o-Xylene	ug/L	38
Surrogate		
Trifluorotoluene	%REC	85
Bromobenzene	%REC	87

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 123814
CLIENT: WEISS ASSOCIATES
PROJECT ID: 14-0307-09

DATE SAMPLED: 12/20/95
DATE RECEIVED: 12/21/96
DATE ANALYZED: 12/28/95
DATE ORDERED: 01/16/96
DATE REPORTED: 01/16/96
DATE REVISED: 01/29/96

ANALYSIS: MTBE
ANALYSIS METHOD: MOD 8015

LAB ID	SAMPLE ID	RESULT	UNITS	REPORTING LIMIT
123814-002	4Q307-07	ND	ug/L	2.0
METHOD BLANK	N/A	ND	ug/L	2.0

ND = Not detected at or above reporting limit.

Curtis & Tompkins, Ltd.

Lab #: 123814 BATCH QC REPORT

TVH-Total Volatile Hydrocarbons	
Client: Weiss Associates	Analysis Method: CA LUFT (EPA 8015M)
Project#: 14-0307-09	Prep Method: EPA 5030
METHOD BLANK	
Matrix: Water	Prep Date: 12/27/95
Batch#: 25027	Analysis Date: 12/27/95
Units: ug/L	
Diln Fac: 1	

MB Lab ID: QC11577

Analyte	Result	
Gasoline	<50	
Surrogate	**%Rec**	**Recovery Limits**
Trifluorotoluene	82	69-120
Bromobenzene	83	70-122

Curtis & Tompkins, Ltd.

Lab #: 123814 BATCH QC REPORT

BTXE	
Client: Weiss Associates	Analysis Method: EPA 8020
Project#: 14-0307-09	Prep Method: EPA 5030
METHOD BLANK	
Matrix: Water	Prep Date: 12/27/95
Batch#: 25027	Analysis Date: 12/27/95
Units: ug/L	
Diln Fac: 1	

MB Lab ID: QC11577

Analyte	Result
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylenes	<0.5
o-Xylene	<0.5

Surrogate	%Rec	Recovery Limits
Trifluorotoluene	83	58-130
Bromobenzene	82	62-131

Curtis & Tompkins, Ltd.

Lab #: 123814 BATCH QC REPORT

TVH-Total Volatile Hydrocarbons	
Client: Weiss Associates	Analysis Method: CA LUFT (EPA 8015M)
Project#: 14-0307-09	Prep Method: EPA 5030

METHOD BLANK

Matrix:	Water	Prep Date:	12/28/95
Batch#:	25035	Analysis Date:	12/28/95
Units:	ug/L		
Diln Fac:	1		

MB Lab ID: QC11612

Analyte	Result	
Gasoline	<50	
Surrogate	**%Rec**	**Recovery Limits**
Trifluorotoluene	86	69-120
Bromobenzene	83	70-122

Curtis & Tompkins, Ltd.

Lab #: 123814 BATCH QC REPORT

BTXE	
Client: Weiss Associates	Analysis Method: EPA 8020
Project#: 14-0307-09	Prep Method: EPA 5030

METHOD BLANK	
Matrix: Water	Prep Date: 12/28/95
Batch#: 25035	Analysis Date: 12/28/95
Units: ug/L	
Diln Fac: 1	

MB Lab ID: QC11612

Analyte	Result
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylenes	<0.5
o-Xylene	<0.5

Surrogate	%Rec	Recovery Limits
Trifluorotoluene	85	58-130
Bromobenzene	80	62-131

Curtis & Tompkins, Ltd.

Lab #: 123814 BATCH QC REPORT

TVH-Total Volatile Hydrocarbons	
Client: Weiss Associates	Analysis Method: CA LUFT (EPA 8015M)
Project#: 14-0307-09	Prep Method: EPA 5030
METHOD BLANK	
Matrix: Water	Prep Date: 12/29/95
Batch#: 25076	Analysis Date: 12/29/95
Units: ug/L	
Diln Fac: 1	

MB Lab ID: QC11779

Analyte	Result	
Gasoline	<50	
Surrogate	**%Rec**	**Recovery Limits**
Trifluorotoluene	82	69-120
Bromobenzene	83	70-122

Curtis & Tompkins, Ltd.

Lab #: 123814 BATCH QC REPORT

BTXE	
Client: Weiss Associates	Analysis Method: EPA 8020
Project#: 14-0307-09	Prep Method: EPA 5030

METHOD BLANK

Matrix: Water	Prep Date: 12/29/95
Batch#: 25076	Analysis Date: 12/29/95
Units: ug/L	
Diln Fac: 1	

MB Lab ID: QC11779

Analyte	Result
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylenes	<0.5
o-Xylene	<0.5

Surrogate	%Rec	Recovery Limits
Trifluorotoluene	85	58-130
Bromobenzene	83	62-131

TVH-Total Volatile Hydrocarbons	
Client: Weiss Associates	Analysis Method: CA LUFT (EPA 8015M)
Project#: 14-0307-09	Prep Method: EPA 5030
LABORATORY CONTROL SAMPLE	
Matrix: Water	Prep Date: 12/27/95
Batch#: 25027	Analysis Date: 12/27/95
Units: ug/L	
Diln Fac: 1	

LCS Lab ID: QC11575

Analyte	Result	Spike Added	%Rec #	Limits
Gasoline	2199	2006	110	80-120
Surrogate	**%Rec**	**Limits**		
Trifluorotoluene	93	69-120		
Bromobenzene	97	70-122		

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 1 outside limits

Curtis & Tompkins, Ltd.

Lab #: 123814 BATCH QC REPORT

BTXE	
Client: Weiss Associates	Analysis Method: EPA 8020
Project#: 14-0307-09	Prep Method: EPA 5030
LABORATORY CONTROL SAMPLE	
Matrix: Water	Prep Date: 12/27/95
Batch#: 25027	Analysis Date: 12/27/95
Units: ug/L	
Diln Fac: 1	

LCS Lab ID: QC11576

Analyte	Result	Spike Added	%Rec #	Limits
Benzene	19.6	20	98	80-120
Toluene	20.4	20	102	80-120
Ethylbenzene	19.9	20	100	80-120
m,p-Xylenes	40.7	40	102	80-120
o-Xylene	21	20	105	80-120

Surrogate	%Rec	Limits
Trifluorotoluene	84	58-130
Bromobenzene	82	62-131

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 5 outside limits

Curtis & Tompkins, Ltd.

Lab #: 123814 BATCH QC REPORT

TVH-Total Volatile Hydrocarbons			
Client:	Weiss Associates	Analysis Method:	CA LUFT (EPA 8015M)
Project#:	14-0307-09	Prep Method:	EPA 5030
LABORATORY CONTROL SAMPLE			
Matrix:	Water	Prep Date:	12/28/95
Batch#:	25035	Analysis Date:	12/28/95
Units:	ug/L		
Diln Fac:	1		

LCS Lab ID: QC11610

Analyte	Result	Spike Added	%Rec #	Limits
Gasoline	2214	2006	110	80-120
Surrogate	**%Rec**	**Limits**		
Trifluorotoluene	99	69-120		
Bromobenzene	104	70-122		

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 1 outside limits

Curtis & Tompkins, Ltd.

Lab #: 123814 BATCH QC REPORT

BTXE	
Client: Weiss Associates	Analysis Method: EPA 8020
Project#: 14-0307-09	Prep Method: EPA 5030
LABORATORY CONTROL SAMPLE	
Matrix: Water	Prep Date: 12/28/95
Batch#: 25035	Analysis Date: 12/28/95
Units: ug/L	
Diln Fac: 1	

LCS Lab ID: QC11611

Analyte	Result	Spike Added	%Rec #	Limits
Benzene	19.8	20	99	80-120
Toluene	20.3	20	102	80-120
Ethylbenzene	20.5	20	103	80-120
m,p-Xylenes	40.9	40	102	80-120
o-Xylene	21.2	20	106	80-120

Surrogate	%Rec	Limits
Trifluorotoluene	92	58-130
Bromobenzene	86	62-131

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 5 outside limits

Curtis & Tompkins, Ltd.

Lab #: 123814 BATCH QC REPORT

TVH-Total Volatile Hydrocarbons	
Client: Weiss Associates	Analysis Method: CA LUFT (EPA 8015M)
Project#: 14-0307-09	Prep Method: EPA 5030
LABORATORY CONTROL SAMPLE	
Matrix: Water	Prep Date: 12/29/95
Batch#: 25076	Analysis Date: 12/29/95
Units: ug/L	
Diln Fac: 1	

LCS Lab ID: QC11777

Analyte	Result	Spike Added	%Rec #	Limits
Gasoline	2000	2006	100	80-120
Surrogate	**%Rec**	**Limits**		
Trifluorotoluene	93	69-120		
Bromobenzene	92	70-122		

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 1 outside limits

Curtis & Tompkins, Ltd.

Lab #: 123814 BATCH QC REPORT

BTXE	
Client: Weiss Associates	Analysis Method: EPA 8020
Project#: 14-0307-09	Prep Method: EPA 5030
LABORATORY CONTROL SAMPLE	
Matrix: Water	Prep Date: 12/29/95
Batch#: 25076	Analysis Date: 12/29/95
Units: ug/L	
Diln Fac: 1	

LCS Lab ID: QC11778

Analyte	Result	Spike Added	%Rec #	Limits
Benzene	17.3	20	87	80-120
Toluene	17.8	20	89	80-120
Ethylbenzene	17.7	20	88	80-120
m,p-Xylenes	35.9	40	90	80-120
o-Xylene	18.4	20	92	80-120
Surrogate	**%Rec**	**Limits**		
Trifluorotoluene	84	58-130		
Bromobenzene	78	62-131		

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 5 outside limits

Curtis & Tompkins, Ltd.

Lab #: 123814 BATCH QC REPORT

TVH-Total Volatile Hydrocarbons	
Client: Weiss Associates	Analysis Method: CA LUFT (EPA 8015M)
Project#: 14-0307-09	Prep Method: EPA 5030

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID:	ZZZZZZ	Sample Date:	12/27/95
Lab ID:	123851-001	Received Date:	12/27/95
Matrix:	Water	Prep Date:	12/27/95
Batch#:	25027	Analysis Date:	12/27/95
Units:	ug/L		
Diln Fac:	1		

MS Lab ID: QC11588

Analyte	Spike Added	Sample	MS	%Rec #	Limits
Gasoline	2006	54	2346	114	75-125
Surrogate	**%Rec**	**Limits**			
Trifluorotoluene	92	69-120			
Bromobenzene	102	70-122			

MSD Lab ID: QC11589

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
Gasoline	2006	2546	124	75-125	8	<20
Surrogate	**%Rec**	**Limits**				
Trifluorotoluene	96	69-120				
Bromobenzene	103	70-122				

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

TEH-Tot Ext Hydrocarbons

Client: Weiss Associates
Project#: 14-0307-09

Analysis Method: CA LUFT (EPA 8015M)
Prep Method: LUFT

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
123814-001	4Q307-05 MW-5	25048	12/20/95	12/28/95	12/30/95	
123814-002	4Q307-07 MW-7	25048	12/20/95	12/28/95	12/30/95	
123814-003	4Q307-08 MW-8	25048	12/20/95	12/28/95	12/30/95	
123814-004	4Q307-10 MW-10	25048	12/20/95	12/28/95	12/30/95	

Analyte Diln Fac:	Units	123814-001 1	123814-002 1	123814-003 1	123814-004 1
Diesel Range	ug/L	6100 Y	<50	<50	<50
Surrogate					
Hexacosane	%REC	94	95	86	95

Y: Sample exhibits fuel pattern which does not resemble standard

TEH-Tot Ext Hydrocarbons

Client: Weiss Associates
Project#: 14-0307-09

Analysis Method: CA LUFT (EPA 8015M)
Prep Method: LUFT

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
123814-005	4Q307-11 MW-11	25048	12/20/95	12/28/95	12/30/95	
123814-006	4Q307-12 MW-12	25048	12/20/95	12/28/95	12/30/95	
123814-007	4Q307-13 MW-13	25048	12/20/95	12/28/95	12/30/95	
123814-008	4Q307-14 MW-14	25048	12/20/95	12/28/95	12/30/95	

Analyte Diln Fac:	Units	123814-005 1	123814-006 1	123814-007 1	123814-008 1
Diesel Range	ug/L	<50	610 YZ	150 Y	120 Y
Surrogate					
Hexacosane	%REC	88	89	87	90

Y: Sample exhibits fuel pattern which does not resemble standard
Z: Sample exhibits unknown single peak or peaks

TEH-Tot Ext Hydrocarbons

Client: Weiss Associates
Project#: 14-0307-09

Analysis Method: CA LUFT (EPA 8015M)
Prep Method: LUFT

Sample #	Client ID		Batch #	Sampled	Extracted	Analyzed	Moisture
123814-009	4Q307-15	MW-13 Dup	25048	12/20/95	12/28/95	12/30/95	

Analyte Diln Fac:	Units	123814-009 1
Diesel Range	ug/L	590 YZ
Surrogate		
Hexacosane	%REC	90

Y: Sample exhibits fuel pattern which does not resemble standard
Z: Sample exhibits unknown single peak or peaks

Curtis & Tompkins, Ltd.

Lab #: 123814

BATCH QC REPORT

TEH-Tot Ext Hydrocarbons	
Client: Weiss Associates	Analysis Method: CA LUFT (EPA 8015M)
Project#: 14-0307-09	Prep Method: 3520
METHOD BLANK	
Matrix: Water	Prep Date: 12/28/95
Batch#: 25048	Analysis Date: 12/29/95
Units: ug/L	
Diln Fac: 1	

MB Lab ID: QC11665

Analyte	Result	
Diesel Range	<50	
Surrogate	%Rec	Recovery Limits
Hexacosane	92	60-140

Curtis & Tompkins, Ltd.

Lab #: 123814 BATCH QC REPORT

TEH-Tot Ext Hydrocarbons	
Client: Weiss Associates	Analysis Method: CA LUFT (EPA 8015M)
Project#: 14-0307-09	Prep Method: 3520
BLANK SPIKE/BLANK SPIKE DUPLICATE	
Matrix: Water	Prep Date: 12/28/95
Batch#: 25048	Analysis Date: 12/30/95
Units: ug/L	
Diln Fac: 1	

BS Lab ID: QC11666

Analyte	Spike Added	BS	%Rec #	Limits
Diesel Range	2565	2589	101	60-140
Surrogate	%Rec	Limits		
Hexacosane	91	60-140		

BSD Lab ID: QC11667

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
Diesel Range	2565	2639	103	60-140	2	<35
Surrogate	%Rec	Limits				
Hexacosane	89	60-140				

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

12381

Weiss Associates
Environmental and Geologic Services
5500 Shellmound Street, Emeryville, CA 94608
Phone: 510-450-6000 Fax: 510-547-5043
AquaTerra Associates Incorporated, DBA

Please send analytic results and a copy of the signed chain of custody form to:
Jim Ponton
Project ID: 14-0307-09

Lab Personnel:

☐ PLEASE INCLUDE QA/QC DATA IF BOX IS CHECKED.

1) Specify analytic method and detection limit in report.
2) Notify us if there are any anomalous peaks in GC or other scans.
3) ANY QUESTIONS/CLARIFICATIONS: CALL US.

CHAIN-OF-CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

Sampled by: Anni Kreml, Paul Cardoza Laboratory Name: Curtis & Tompkins

	No. of Containers	Sample ID	Container Type	Sample Date	Vol[2]	Fil[3]	Ref[4]	Preservative (specify)	Analyze for	Analytic Method	Turn[5]	COMMENTS
-1	3	4Q307-05	W/V	12/20/95	40ml	N	Y	HCl	TVH-G/BTEX	LUFT/8020	N	
-2		-07										
-3		-08										
-4		-10										
-5		-11										
-6		-12										
-7		-13										
-8		-14										
-9		-15										
-10		-16										Analyze for BTEX only if BTEX is detected in sample no. 307-07, 307-08, or 307-14.

1 Anni Kreml 12/21/95
Released by (Signature), Date

1 Weiss
Affiliation

2 MR 12/21/95 @ 1025 HB
Received by (Signature), Date

2
Affiliation

3 MR 12/21/95 @ 1025 HB
Released by (Signature), Date

3
Affiliation

4
Shipping Carrier, Method, Date

4
Affiliation

5
Released by (Signature), Date

5
Affiliation

6
Received by Lab Personnel, Date

6
Affiliation, Telephone

X
Seal intact?

1 Sample Type Codes: W = Water, S = Soil, Describe Other; Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B - Clear/Brown Glass, Describe Other; Cap Codes: PT = Plastic, Teflon Lined 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 Turnaround [N = Normal, W = 1 Week, R = 24 Hour, HOLD (write out)]
ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

Secured overnight

123814

Weiss Associates
Environmental and Geologic Services
5500 Shellmound Street, Emeryville, CA 94608
Phone: 510-450-6000 Fax: 510-547-5043
AguaTierra Associates Incorporated, DBA

Please send analytic results and a copy of the signed chain of custody form to: JIM PONTON

Project ID: 14-0307-09

Lab Personnel: PLEASE INCLUDE QA/QC DATA IF BOX IS CHECKED.

1) Specify analytic method and detection limit in report.
2) Notify us if there are any anomalous peaks in GC or other scans.
3) ANY QUESTIONS/CLARIFICATIONS: CALL US.

CHAIN-OF-CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

Sampled by: ANNI KREML/PAUL CARDOZA

Laboratory Name: CURTIS & TOMPKINS

No.	No. of Containers	Sample ID	Container Type[1]	Sample Date	Vol[2]	Fil[3]	Ref[4]	Preservative (specify)	Analyze for	Analytic Method	Turn[5]	COMMENTS
1	1	40307-05	W/A	12/20/95	1L	N	Y	NONE	TEH-D	LUFT	N	
2		-07										
3		-08										
4		-10										
5		-11										
6		-12										
7		-13										
8		-14										
9		-15										

1 Anni Kreml 12/21/95
Released by (Signature), Date

1 WEISS
Affiliation

2 MR 12/21/95 @1025HRS
Received by (Signature), Date

2 _____
Affiliation

3 _____
Released by (Signature), Date

3 _____
Affiliation

4 _____
Shipping Carrier, Method, Date

4 _____
Affiliation

5 _____
Released by (Signature), Date

5 _____
Affiliation

6 _____
Received by Lab Personnel, Date

6 _____
Affiliation, Telephone

x _____
Seal intact?

1 Sample Type Codes: W = Water, S = Soil, Describe Other; Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B - Clear/Brown Glass, Describe Other; Cap Codes: PT = Plastic, Teflon Lined 2 = Volume per container; 3 = Filtered YY/N); 4 = Refrigerated (Y/N)

5 Turnaround [N = Normal, W = 1 Week, R = 24 Hour, HOLD (write out)]

X:\OFFICE\FORMS\CHAINOC.DOC

Secured overnight